

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050423.D
 Acq On : 7 Aug 2018 11:38
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 10:47:06 AM

Quant Time: Aug 08 05:36:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	974493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	922726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	510490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	436600	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
35) Dibromofluoromethane	7.59	113	406328	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.09	98	1527607	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.40	95	528532	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	376079	47.84	ug/l	100
3) Chloromethane	2.06	50	451921	48.61	ug/l	100
4) Vinyl Chloride	2.18	62	481069	47.28	ug/l	98
5) Bromomethane	2.56	94	259014	52.49	ug/l	99
6) Chloroethane	2.70	64	292220	46.61	ug/l	99
7) Trichlorofluoromethane	3.01	101	631356	48.04	ug/l	99
8) Diethyl Ether	3.41	74	215823	44.78	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	398867	49.11	ug/l	100
10) Methyl Iodide	3.95	142	188772	52.76	ug/l	99
11) Tert butyl alcohol	4.79	59	139331	183.30	ug/l	100
12) 1,1-Dichloroethene	3.73	96	355555	46.44	ug/l	97
13) Acrolein	3.61	56	197589	202.81	ug/l	98
14) Allyl chloride	4.32	41	560530	45.59	ug/l	98
15) Acrylonitrile	4.99	53	689737	216.63	ug/l	99
16) Acetone	3.82	43	612619	217.05	ug/l	100
17) Carbon Disulfide	4.05	76	1084474	43.56	ug/l	99
18) Methyl Acetate	4.33	43	321202	43.78	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	989144	45.52	ug/l	100
20) Methylene Chloride	4.55	84	416504	48.21	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	387371	46.75	ug/l	100
22) Diisopropyl ether	5.95	45	1223509	48.71	ug/l	99
23) Vinyl Acetate	5.90	43	4219130	235.43	ug/l	100
24) 1,1-Dichloroethane	5.85	63	717432	46.55	ug/l	100
25) 2-Butanone	6.84	43	1013180	216.09	ug/l	100
26) 2,2-Dichloropropane	6.82	77	604212	47.56	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	434694	47.34	ug/l	100
28) Bromochloromethane	7.19	49	346331	48.82	ug/l	100
29) Tetrahydrofuran	7.21	42	522951	208.37	ug/l	99
30) Chloroform	7.37	83	736876	47.83	ug/l	98
31) Cyclohexane	7.65	56	653273	48.14	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	627408	47.42	ug/l	100
36) 1,1-Dichloropropene	7.79	75	570320	53.27	ug/l	99
37) Ethyl Acetate	6.93	43	357161	46.32	ug/l	99
38) Carbon Tetrachloride	7.77	117	562359	50.35	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	640400	54.79	ug/l	99
40) Benzene	8.04	78	1684942	51.19	ug/l	99
41) Methacrylonitrile	7.17	41	181795	44.34	ug/l	87
42) 1,2-Dichloroethane	8.13	62	531462	50.86	ug/l	100
43) Isopropyl Acetate	8.17	43	636149	47.79	ug/l #	87
44) Trichloroethene	8.84	130	442356	50.01	ug/l	100
45) 1,2-Dichloropropane	9.12	63	443063	51.19	ug/l	100
46) Dibromomethane	9.21	93	267050	49.97	ug/l	98
47) Bromodichloromethane	9.40	83	566612	51.19	ug/l	100
48) Methyl methacrylate	9.20	41	323254	48.45	ug/l	99
49) 1,4-Dioxane	9.20	88	89686	872.13	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2277536	237.58	ug/l	99
52) Toluene	10.16	92	1064633	53.84	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	579832	52.17	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	658235	53.07	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	386709	50.09	ug/l	99
56) Ethyl methacrylate	10.43	69	497574	45.70	ug/l	98
57) 1,3-Dichloropropane	10.71	76	646327	51.01	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1236422	243.03	ug/l	100
59) 2-Hexanone	10.75	43	1616432	241.61	ug/l	99
60) Dibromochloromethane	10.90	129	435008	51.15	ug/l	97
61) 1,2-Dibromoethane	11.01	107	386091	50.74	ug/l	98
64) Tetrachloroethene	10.63	164	451649	52.39	ug/l	99
65) Chlorobenzene	11.43	112	1152686	49.83	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	429028	50.96	ug/l	100
67) Ethyl Benzene	11.51	91	2004748	53.61	ug/l	99
68) m/p-Xylenes	11.62	106	1564720	109.92	ug/l	99
69) o-Xylene	11.95	106	733166	53.47	ug/l	100
70) Styrene	11.96	104	1241134	55.66	ug/l	99
71) Bromoform	12.13	173	311952	50.70	ug/l #	100
73) Isopropylbenzene	12.25	105	1982817	51.74	ug/l	99
74) N-amyl acetate	12.07	43	572591	46.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	493781	44.66	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	413528m	44.75	ug/l	
77) Bromobenzene	12.53	156	509406	49.62	ug/l	99
78) n-propylbenzene	12.59	91	2351464	54.21	ug/l	100
79) 2-Chlorotoluene	12.68	91	1358190	50.70	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1679386	53.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	133628	50.81	ug/l	97
82) 4-Chlorotoluene	12.77	91	1412286	52.86	ug/l	100
83) tert-Butylbenzene	12.99	119	1411821	52.03	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1717653	54.51	ug/l	100
85) sec-Butylbenzene	13.17	105	1927695	53.30	ug/l	99
86) p-Isopropyltoluene	13.29	119	1711526	55.22	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	924490	50.56	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	903227	49.47	ug/l	99
89) n-Butylbenzene	13.62	91	1423867	53.96	ug/l	99
90) Hexachloroethane	13.88	117	275382	49.96	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	880843	48.06	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74838	39.87	ug/l	97

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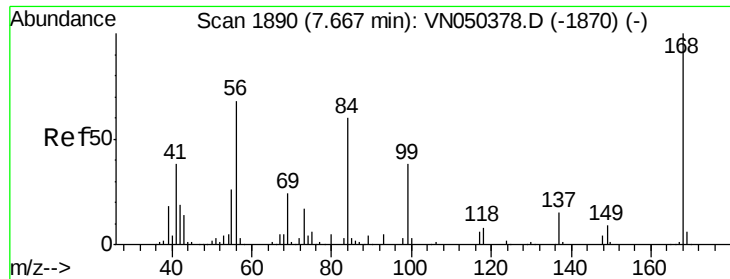
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	484652	51.91	ug/l	98
94) Hexachlorobutadiene	15.01	225	276097	54.28	ug/l	99
95) Naphthalene	15.14	128	1029698	42.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	458260	48.55	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 708192

Ion Ratio Lower Upper

168 100

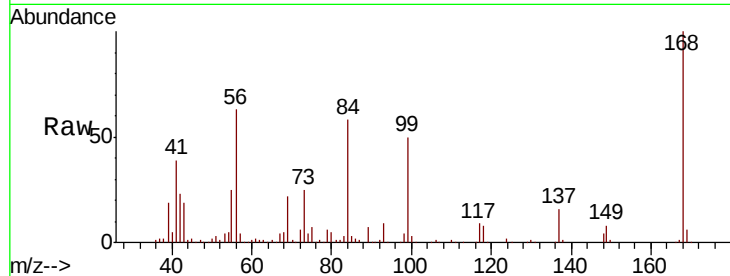
99 49.7 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

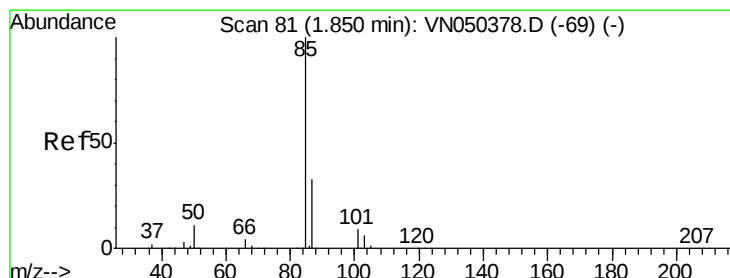
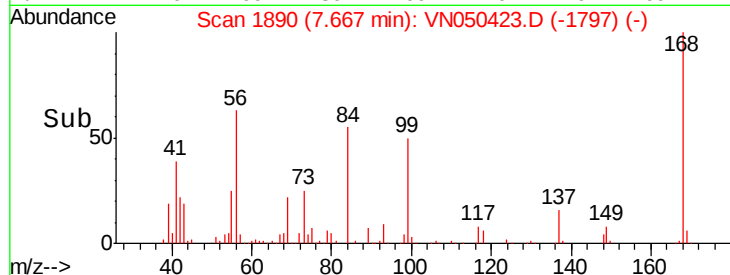
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.84 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050423.D

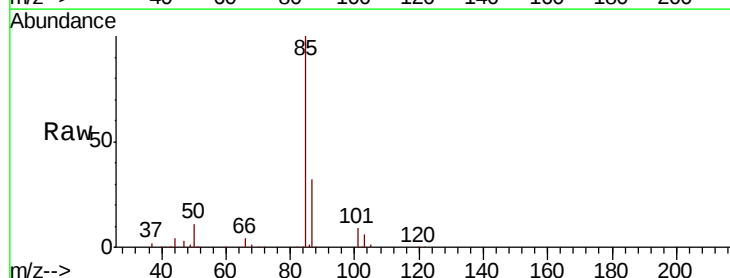
Acq: 7 Aug 2018 11:38

Tgt Ion: 85 Resp: 376079

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

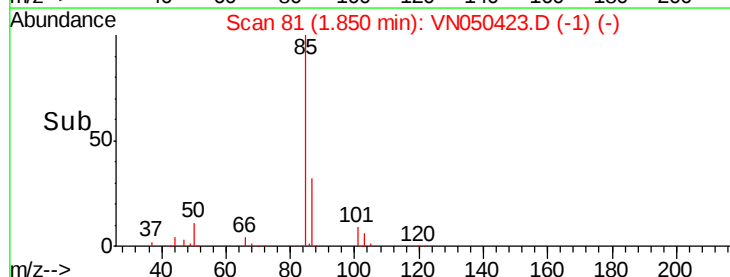
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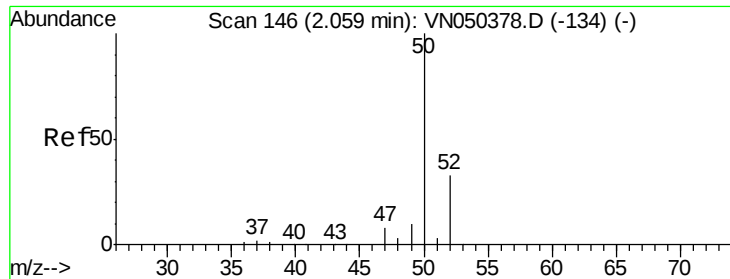
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.61 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 451921

Ion Ratio Lower Upper

50 100

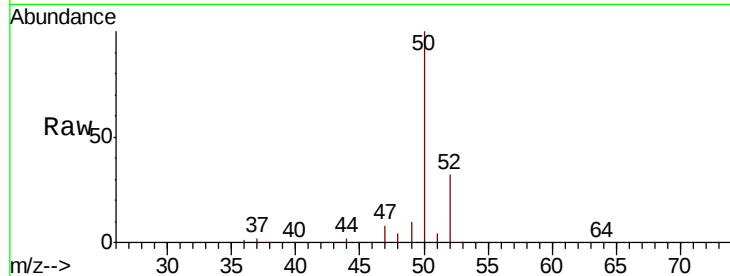
52 32.2 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

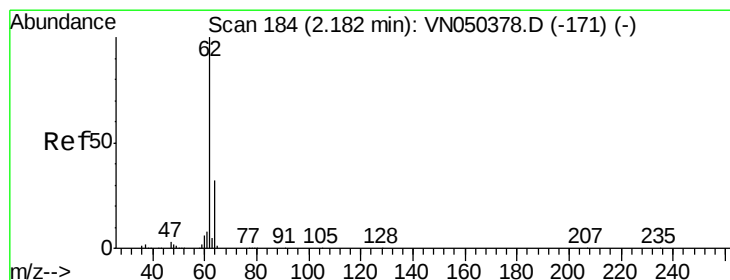
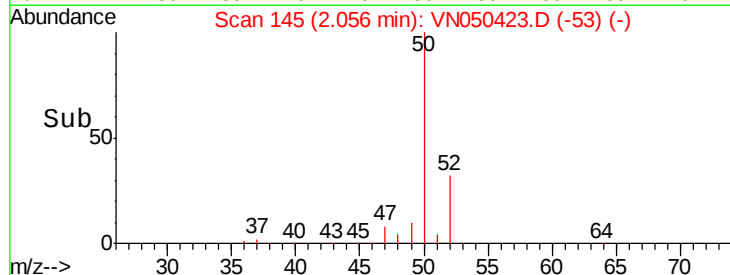
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 47.28 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050423.D

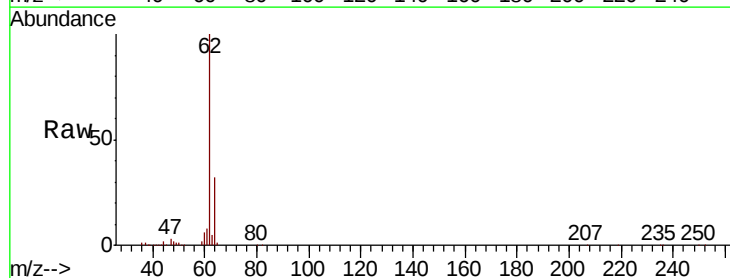
Acq: 7 Aug 2018 11:38

Tgt Ion: 62 Resp: 481069

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

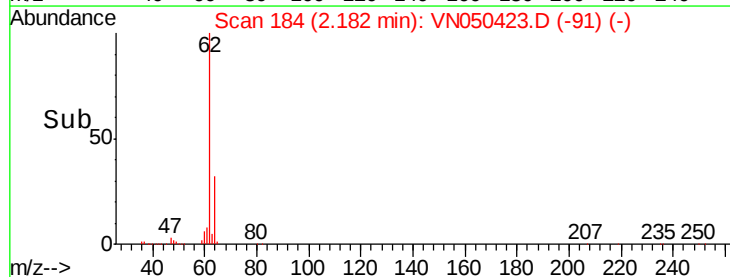
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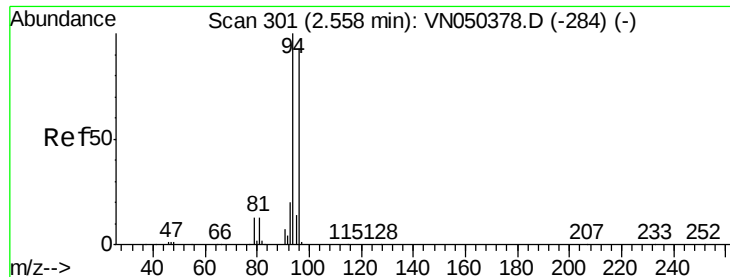
200000

100000

0

Time-->





#5

Bromomethane

Concen: 52.49 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 259014

Ion Ratio Lower Upper

94 100

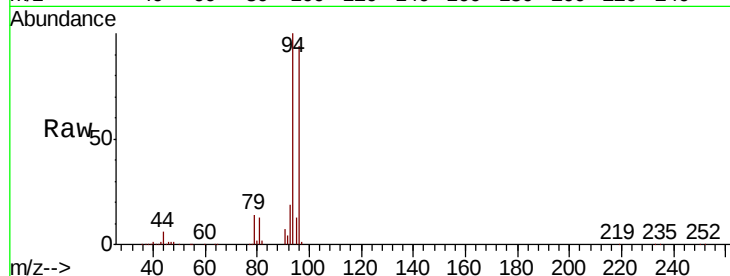
96 94.0 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

150000

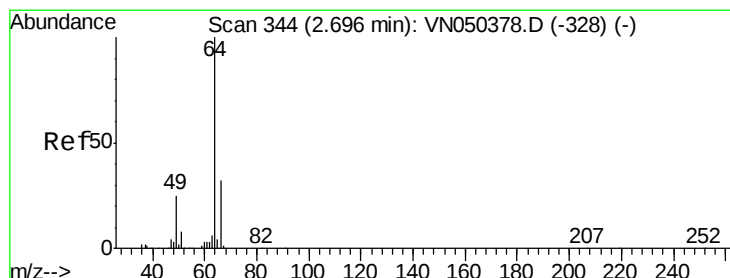
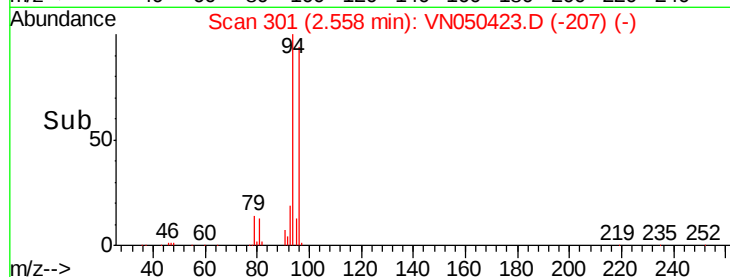
100000

50000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 46.61 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050423.D

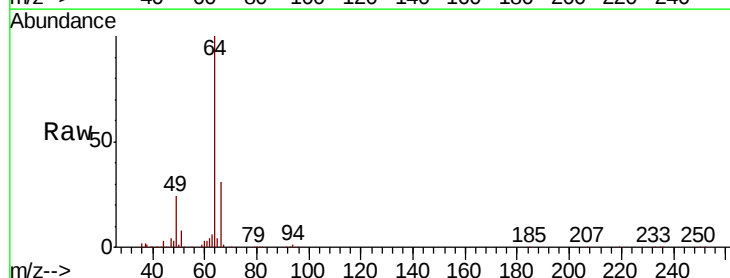
Acq: 7 Aug 2018 11:38

Tgt Ion: 64 Resp: 292220

Ion Ratio Lower Upper

64 100

66 31.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.70

150000

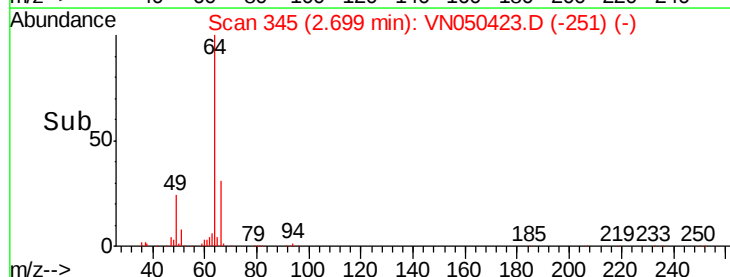
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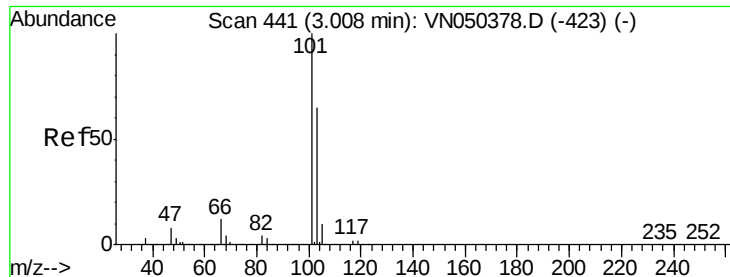
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Time-->

2.60 2.70 2.80





#7

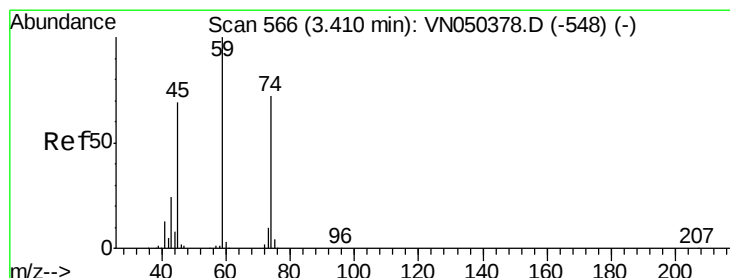
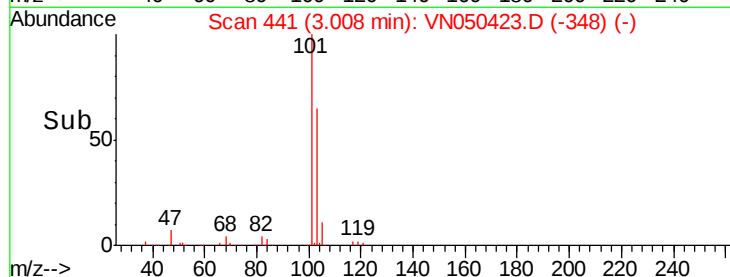
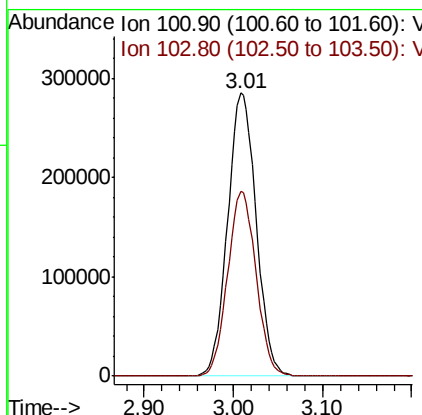
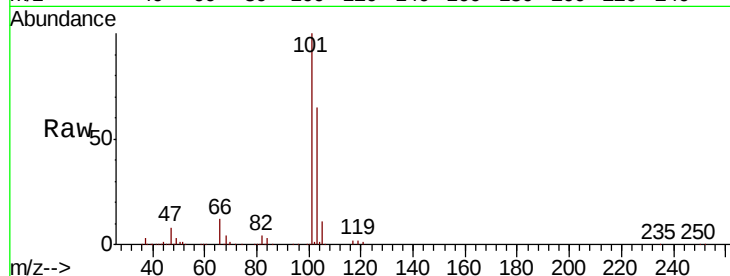
Trichlorofluoromethane
 Concen: 48.04 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050423.D
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.7	77.5

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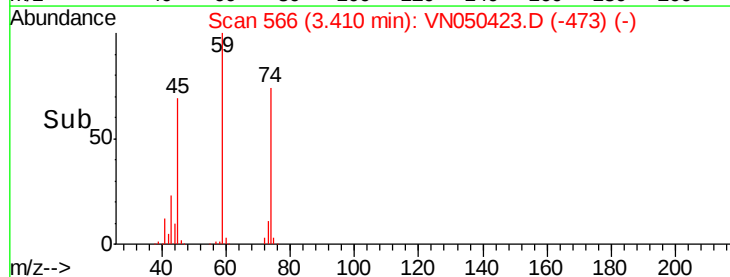
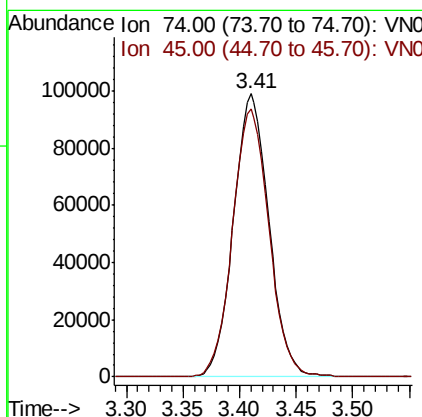
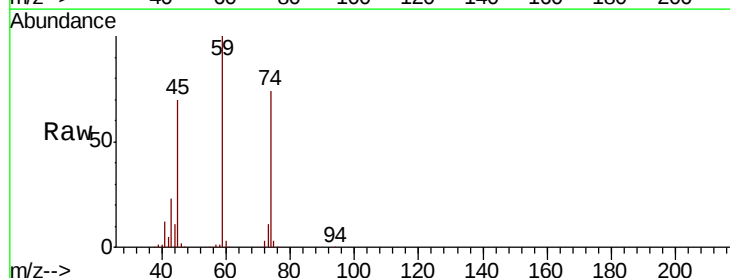
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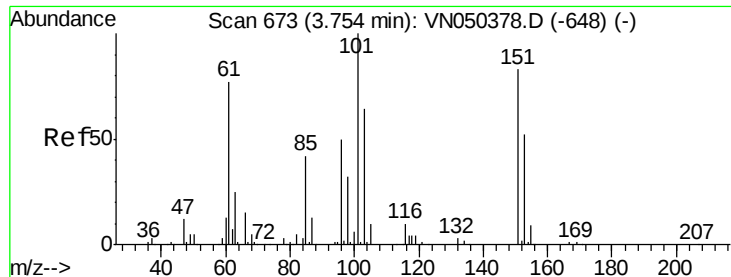


#8

Diethyl Ether
 Concen: 44.78 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.11 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050423.D

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MSVOA_N

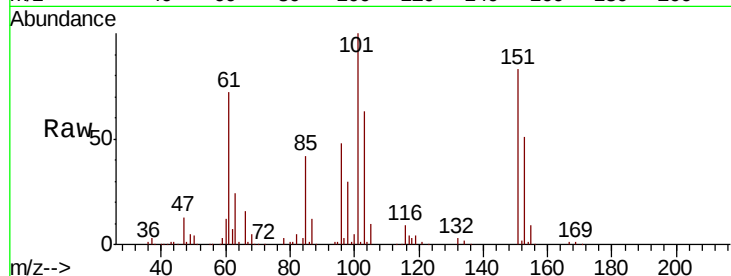
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	398867
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.2
151	82.9	66.3	99.5

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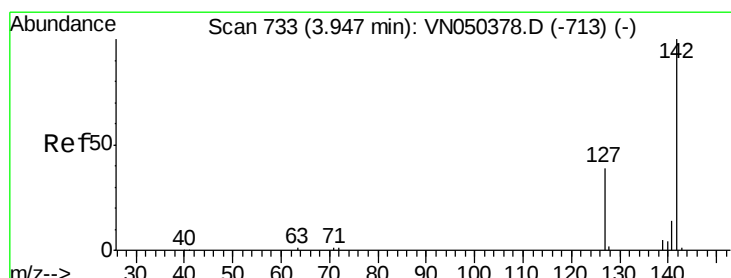
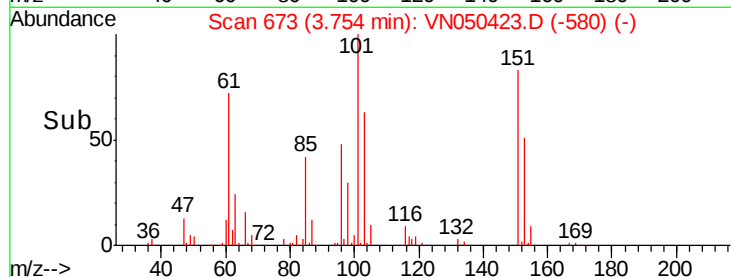
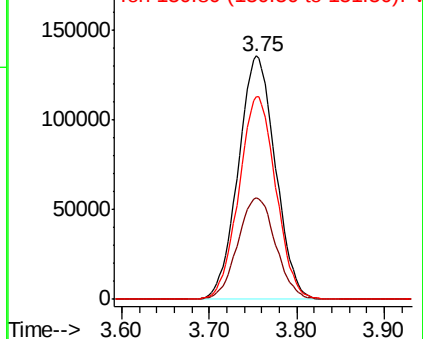
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.76 ug/l

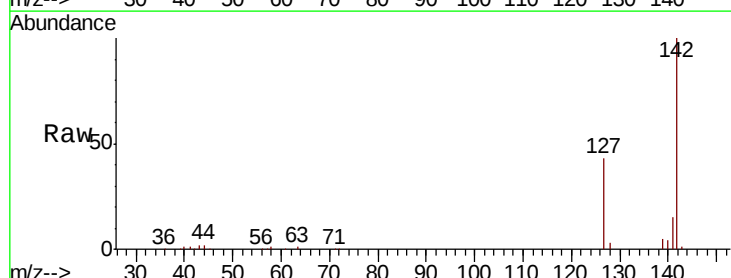
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

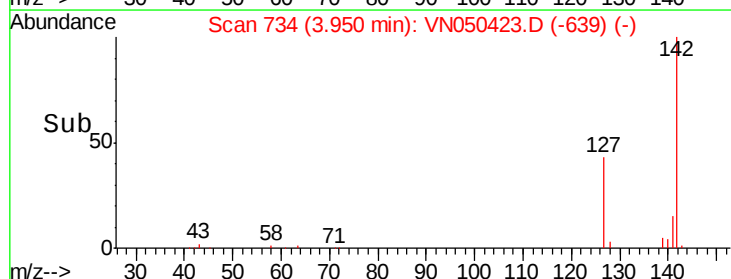
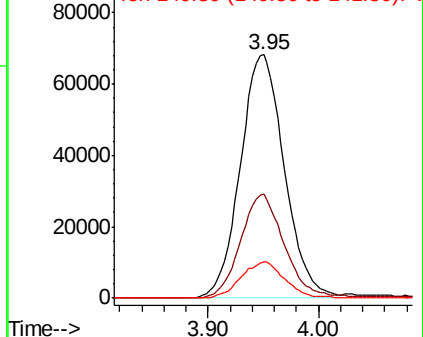
Tgt Ion:	142	Resp:	188772
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.4	50.2
141	14.8	11.6	17.4

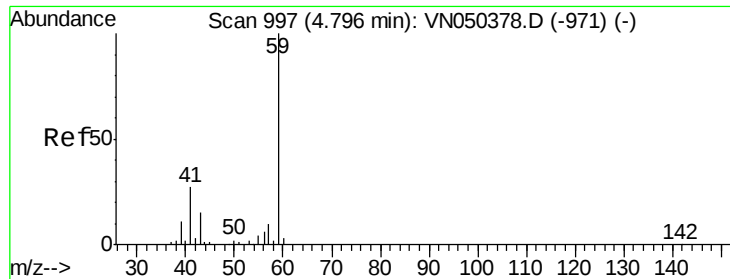


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





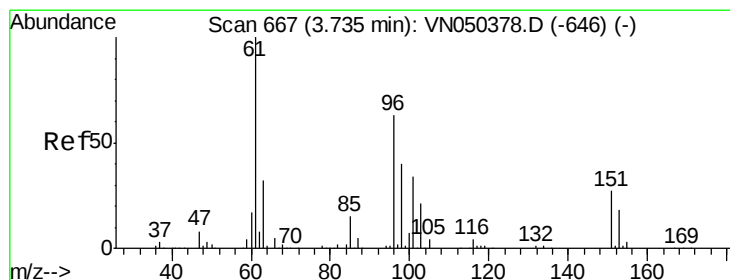
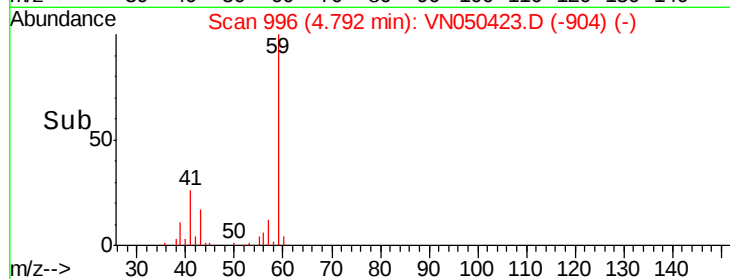
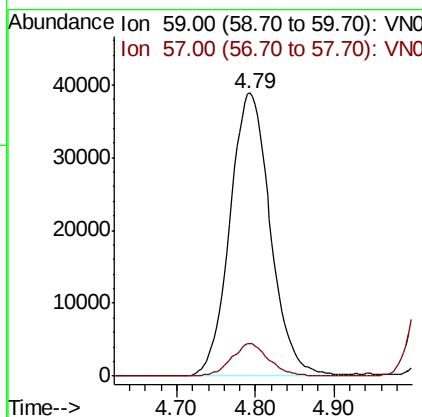
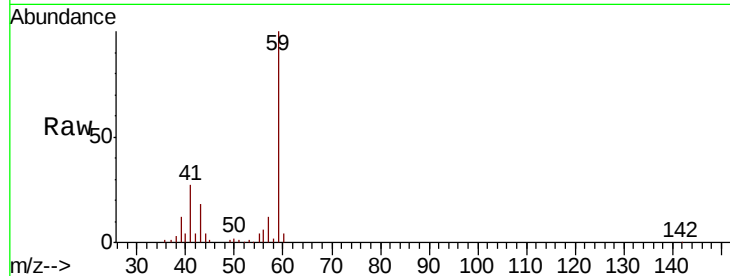
#11
Tert butyl alcohol
Concen: 183.30 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 139331
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

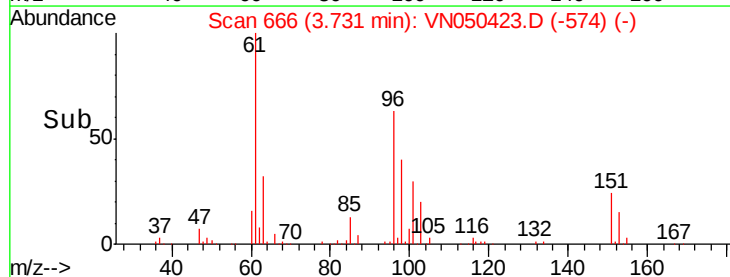
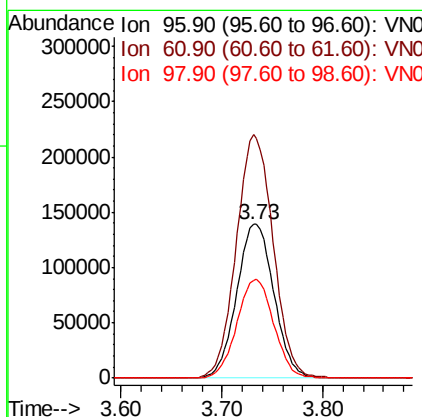
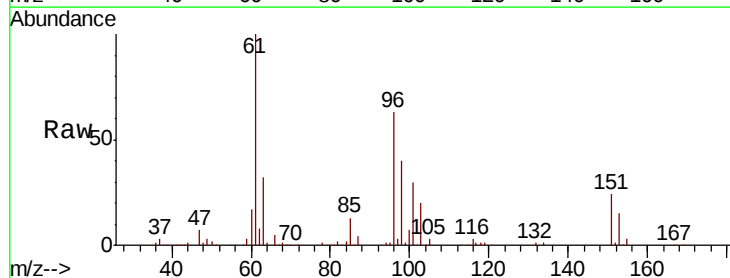
Manual Integrations
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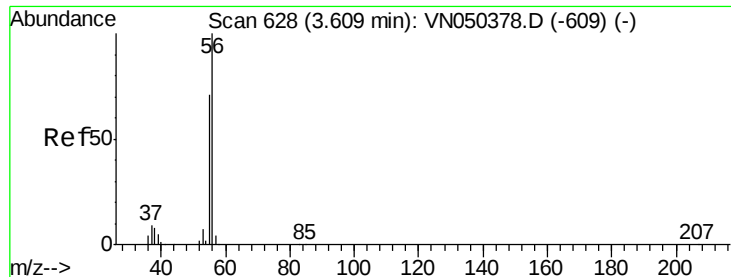
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#12
1,1-Dichloroethene
Concen: 46.44 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 96 Resp: 355555
Ion Ratio Lower Upper
96 100
61 158.2 124.4 186.6
98 63.9 48.3 72.5





#13

Acrolein

Concen: 202.81 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 197589

Ion Ratio Lower Upper

56 100

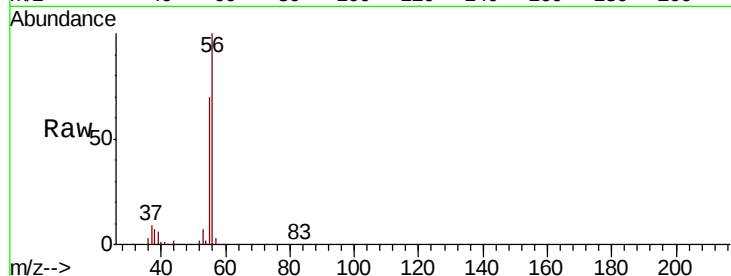
55 71.4 55.8 83.6

Manual Integrations

APPROVED

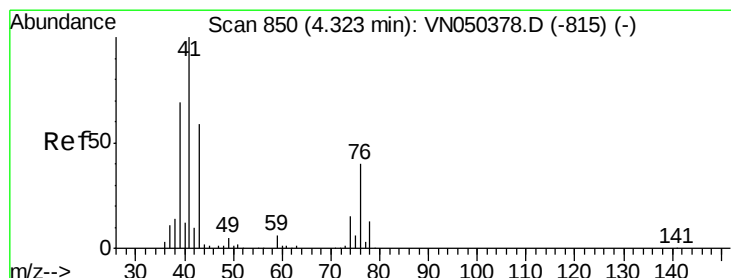
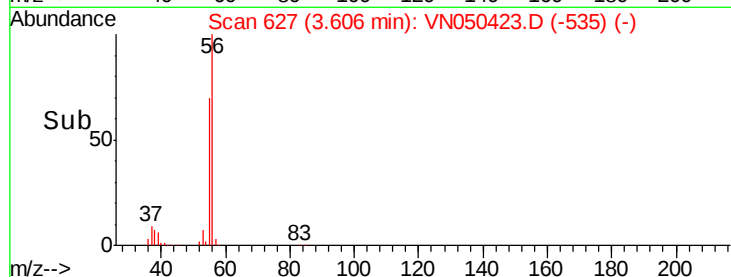
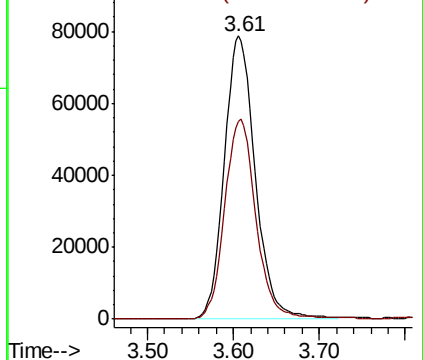
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.59 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

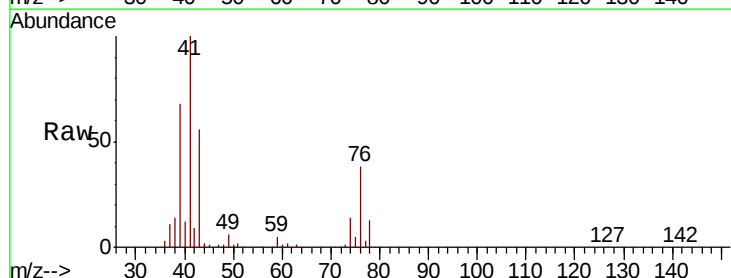
Tgt Ion: 41 Resp: 560530

Ion Ratio Lower Upper

41 100

39 66.0 54.2 81.4

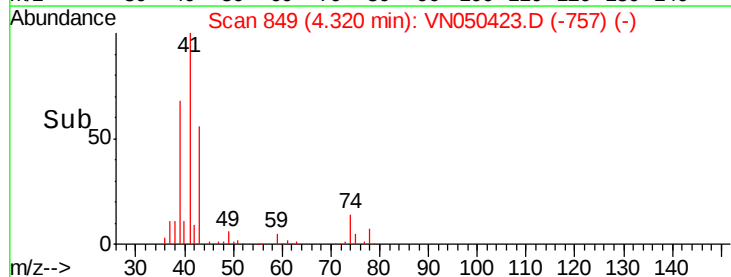
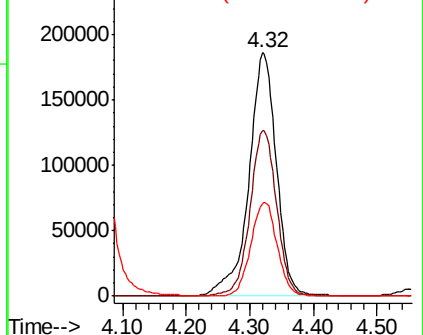
76 36.4 29.0 43.6

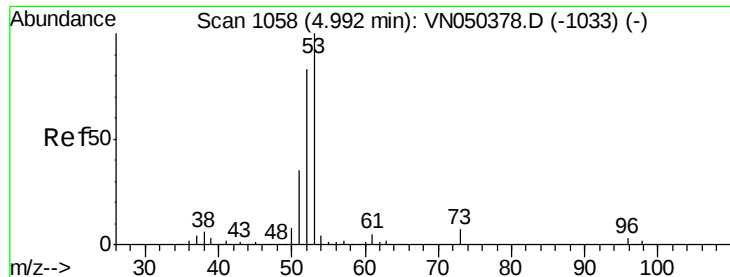


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 216.63 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

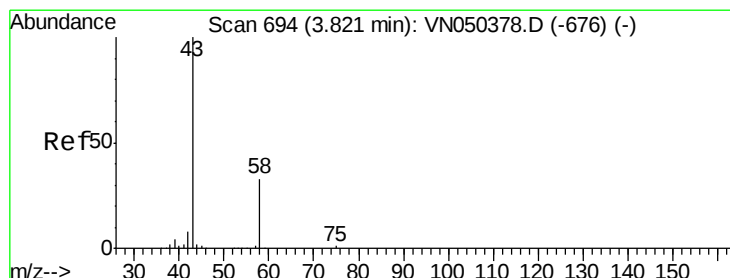
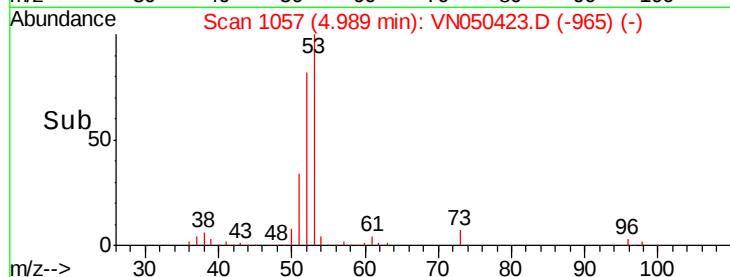
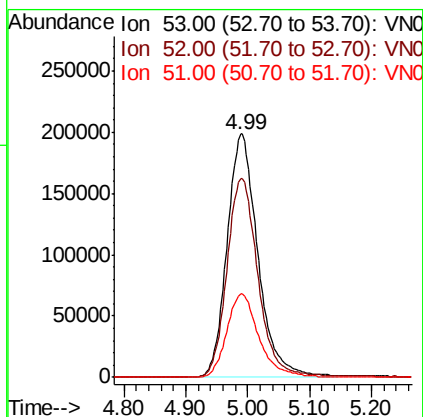
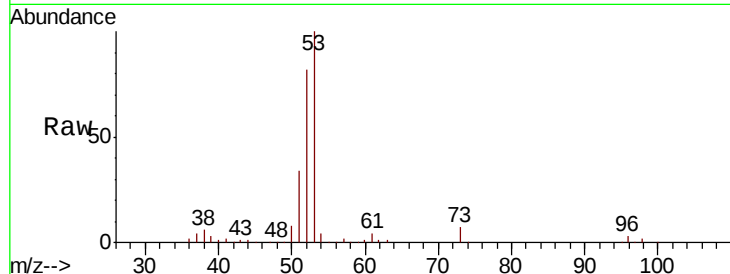
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	689737
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.2
51	35.8	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 217.05 ug/l

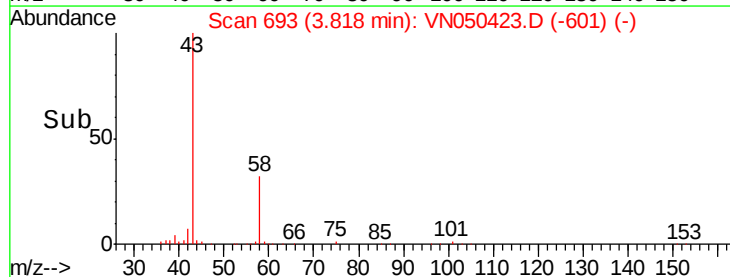
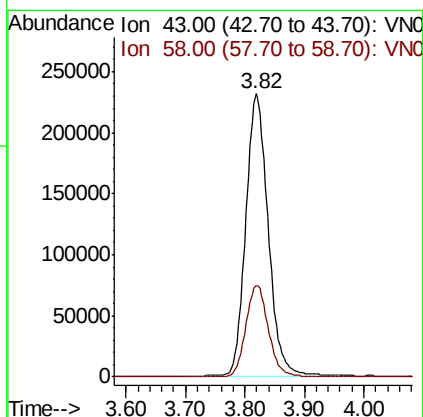
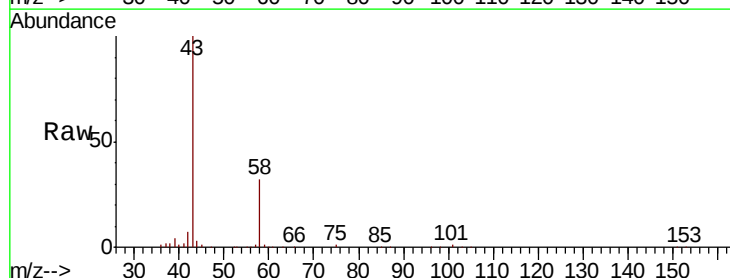
RT: 3.82 min Scan# 693

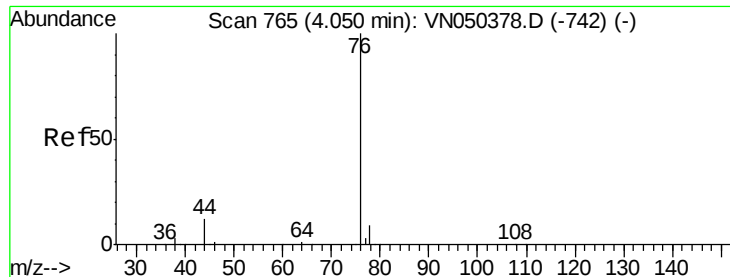
Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Tgt Ion:	43	Resp:	612619
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.8	38.8





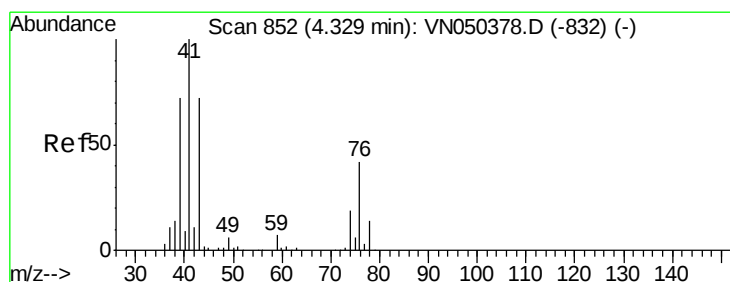
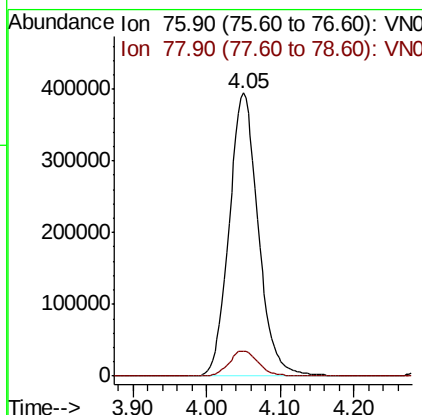
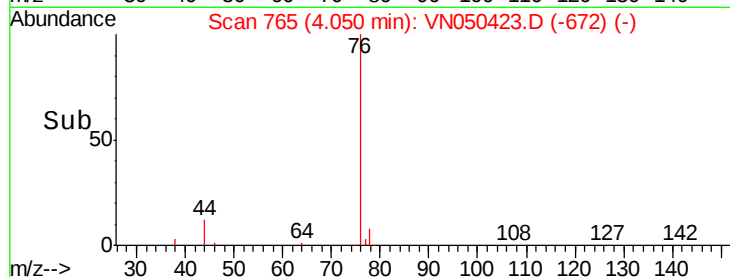
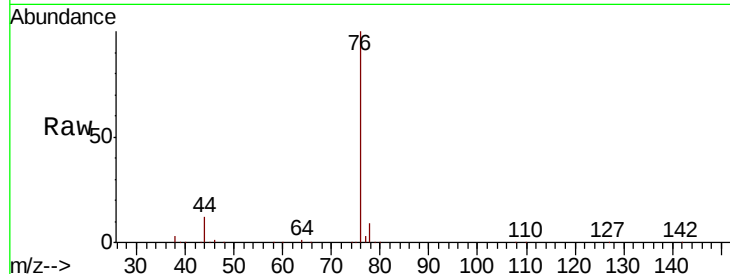
#17
Carbon Disulfide
Concen: 43.56 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1084474
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

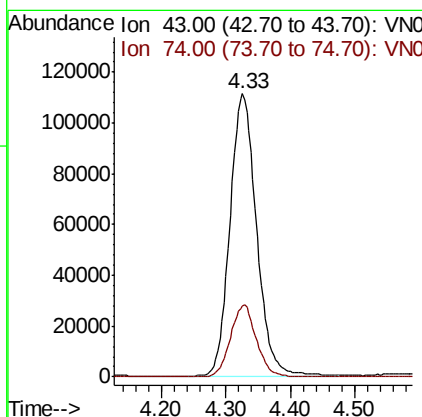
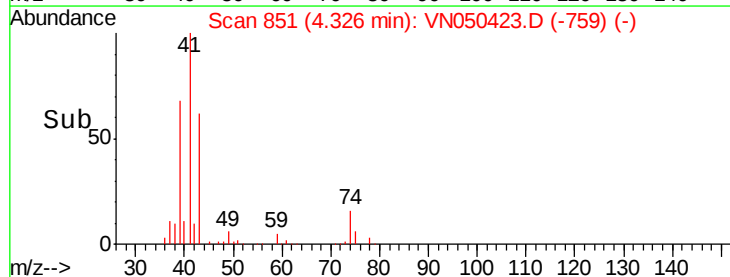
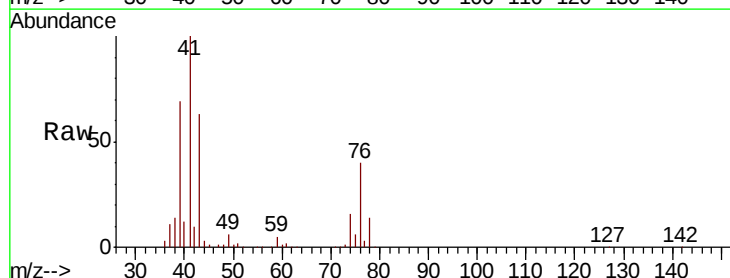
Manual Integrations
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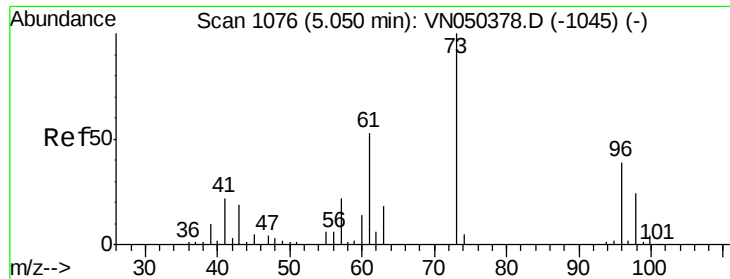
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#18
Methyl Acetate
Concen: 43.78 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 43 Resp: 321202
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8





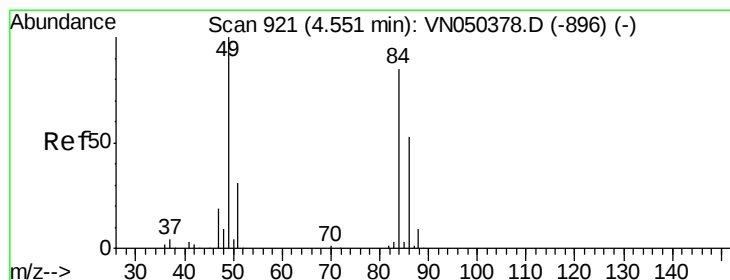
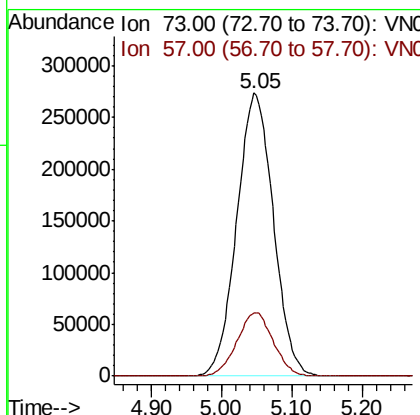
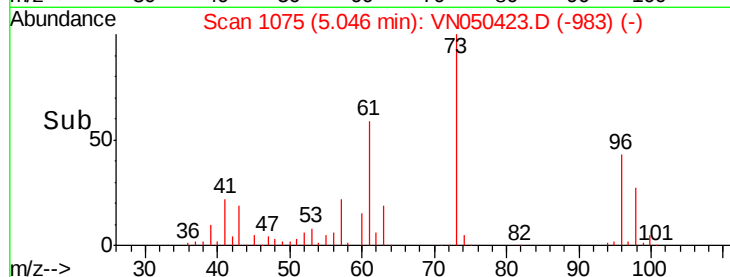
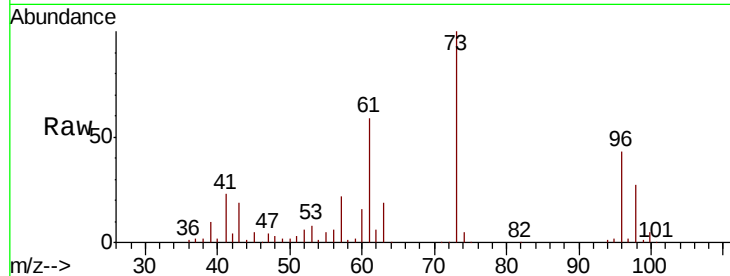
#19
Methvl tert-butvl Ether
Concen: 45.52 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 989144
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0

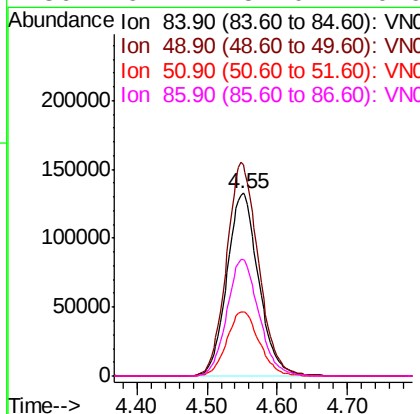
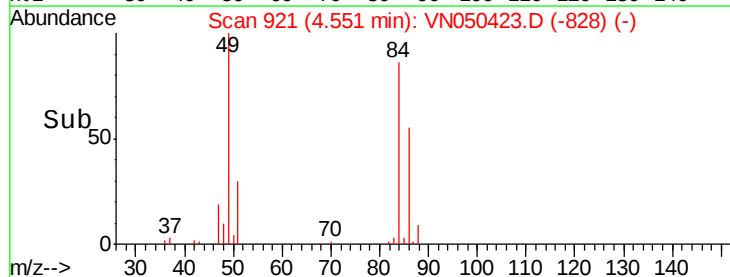
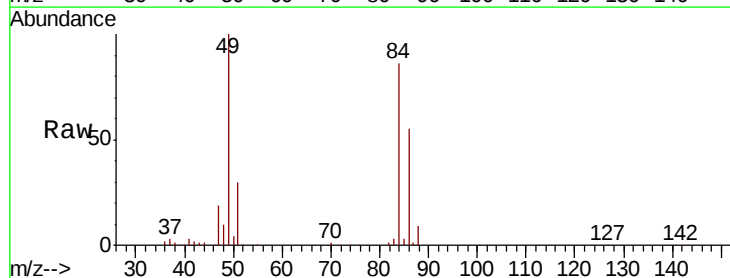
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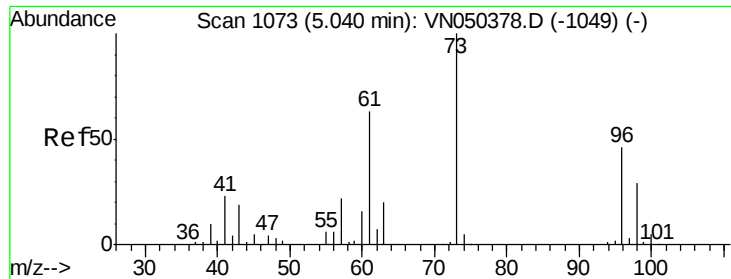
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#20
Methylene Chloride
Concen: 48.21 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 84 Resp: 416504
Ion Ratio Lower Upper
84 100
49 115.5 94.8 142.2
51 35.0 28.3 42.5
86 64.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.75 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 387371

Ion Ratio Lower Upper

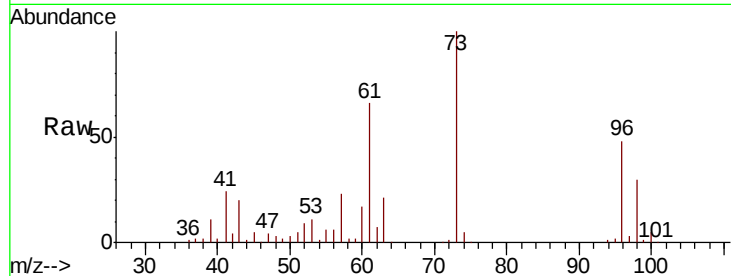
96 100

61 138.4 110.7 166.1

98 63.6 51.6 77.4

Manual Integrations
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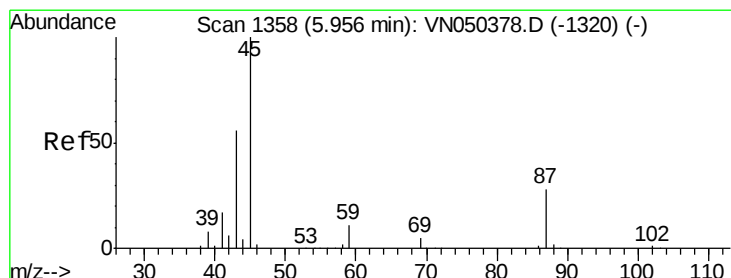
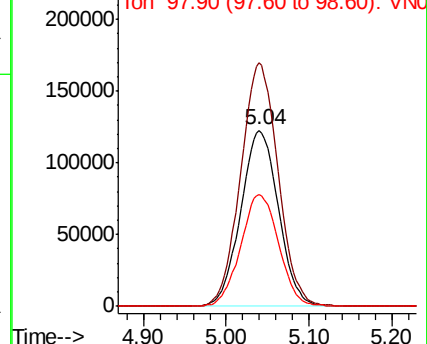
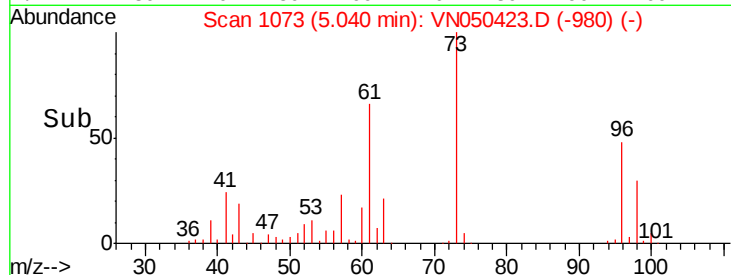
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8/8/2018 10:47:06 AM



Abundance Ion 95.90 (95.60 to 96.60): VN050423.D (-980) (-)

Ion 60.90 (60.60 to 61.60): VN050423.D (-980) (-)

Ion 97.90 (97.60 to 98.60): VN050423.D (-980) (-)



#22

Diisopropyl ether

Concen: 48.71 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Tgt Ion: 45 Resp: 1223509

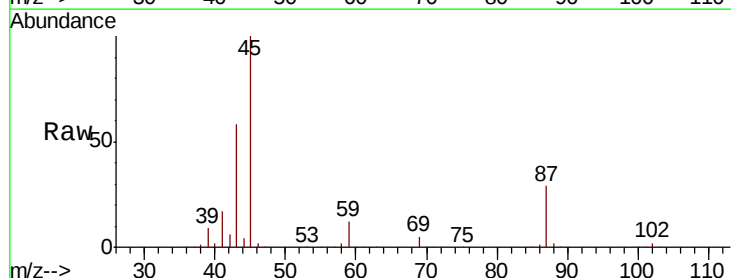
Ion Ratio Lower Upper

45 100

43 57.9 45.7 68.5

87 29.3 22.7 34.1

59 12.1 9.5 14.3

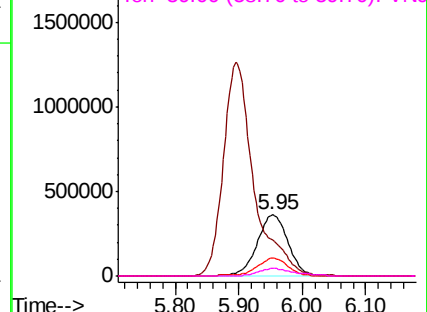
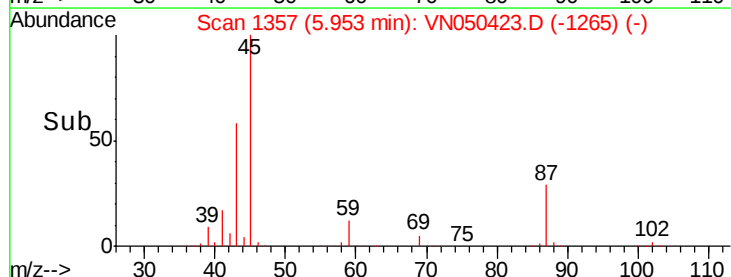


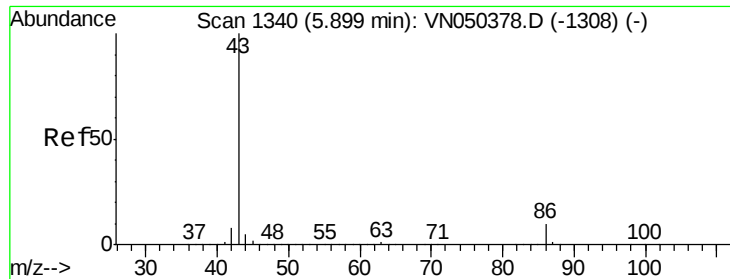
Abundance Ion 45.00 (44.70 to 45.70): VN050423.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN050423.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN050423.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN050423.D (-1265) (-)





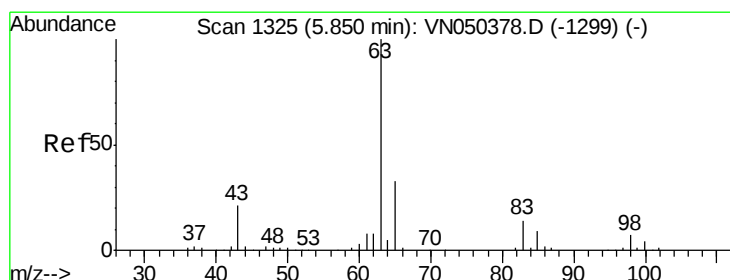
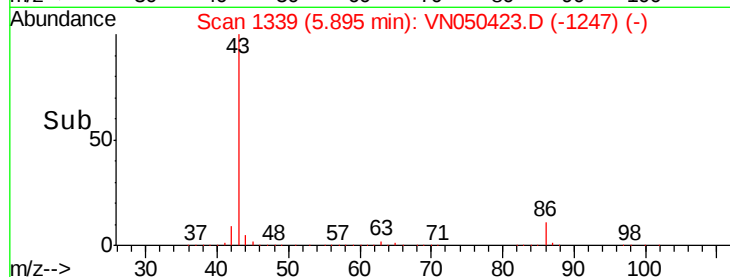
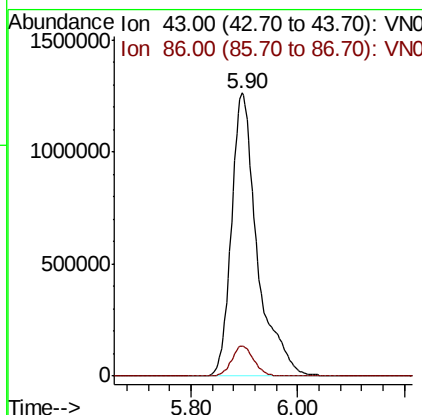
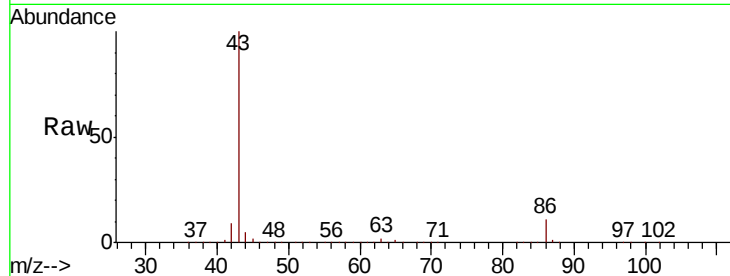
#23
 Vinyl Acetate
 Concen: 235.43 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 4219130
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0

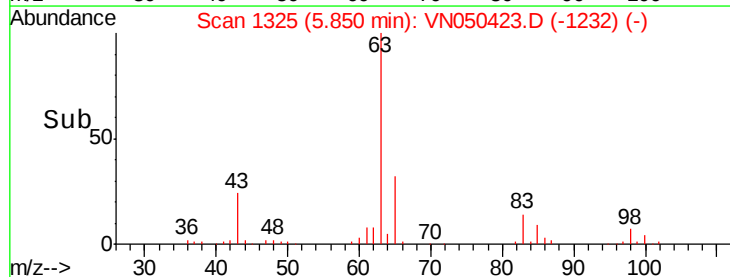
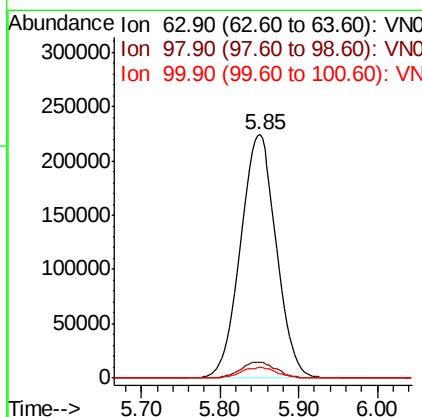
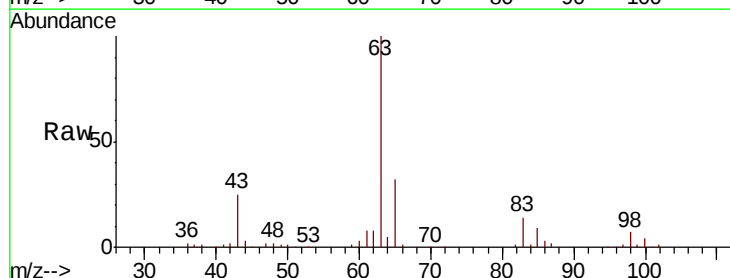
Manual Integrations
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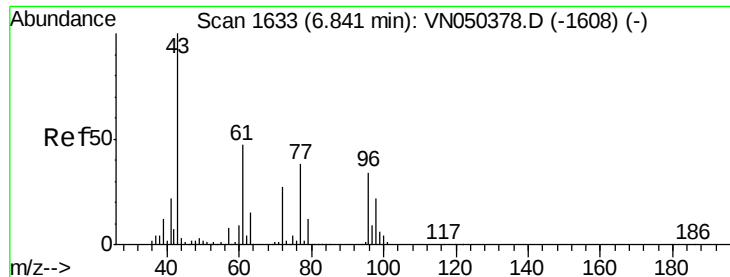
MMDadoda
 8/8/2018 10:47:06 AM



#24
 1,1-Dichloroethane
 Concen: 46.55 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion: 63 Resp: 717432
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 216.09 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1013180

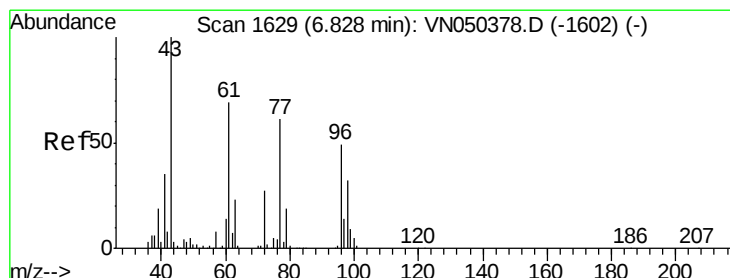
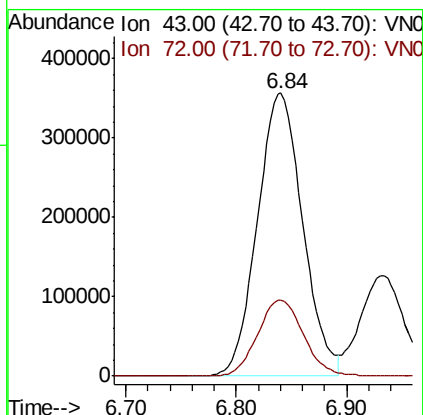
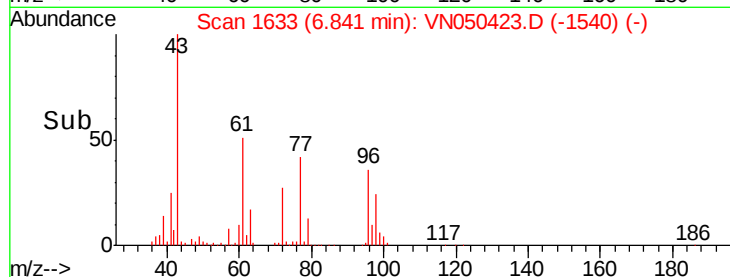
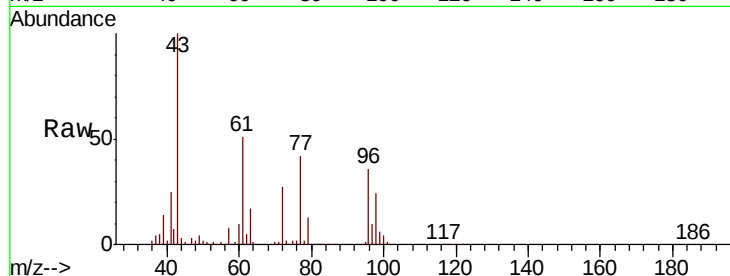
Ion Ratio Lower Upper

43 100

72 27.0 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 47.56 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050423.D

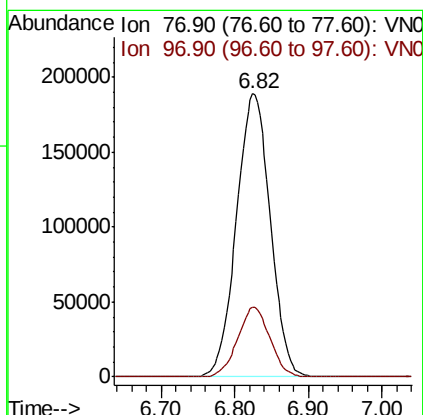
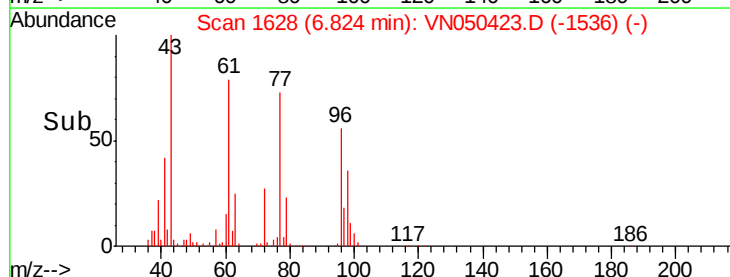
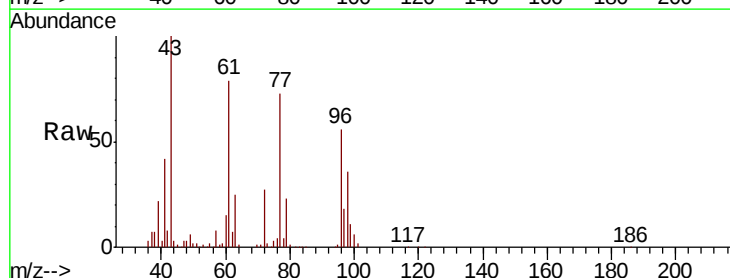
Acq: 7 Aug 2018 11:38

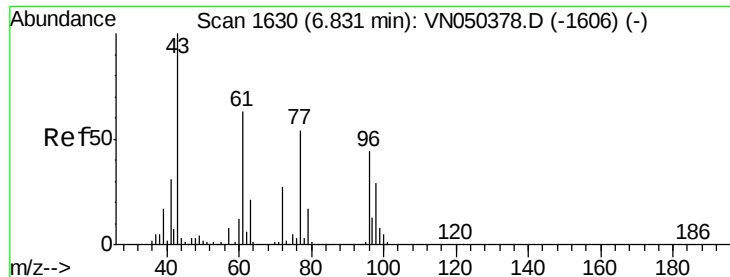
Tgt Ion: 77 Resp: 604212

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3





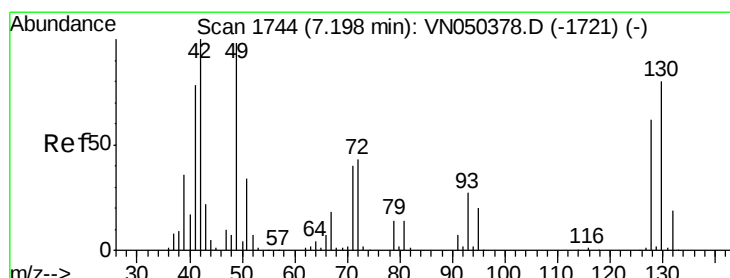
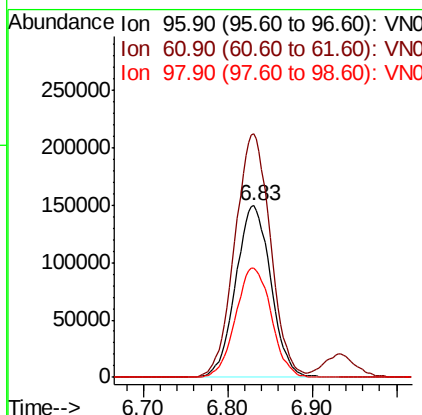
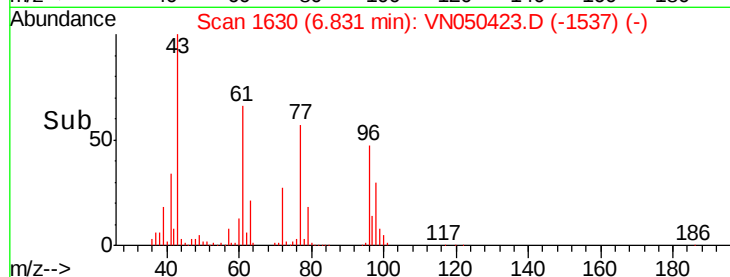
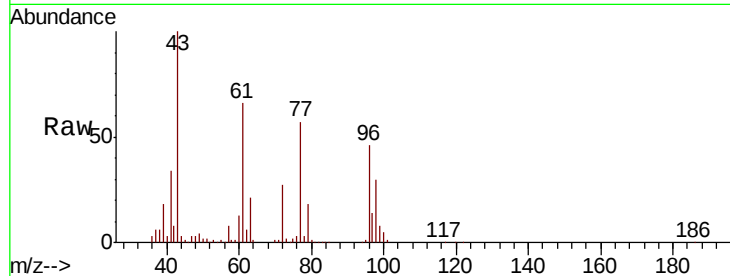
#27
 cis-1,2-Dichloroethene
 Concen: 47.34 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.1	0.0	285.0	
98	64.6	0.0	129.2	

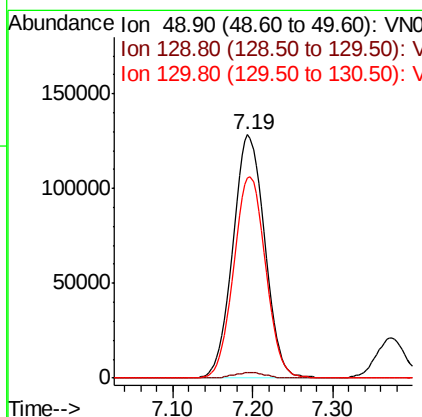
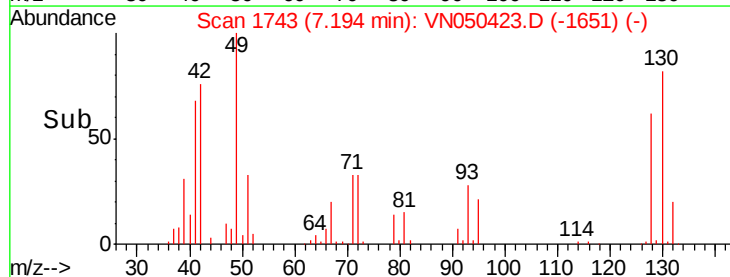
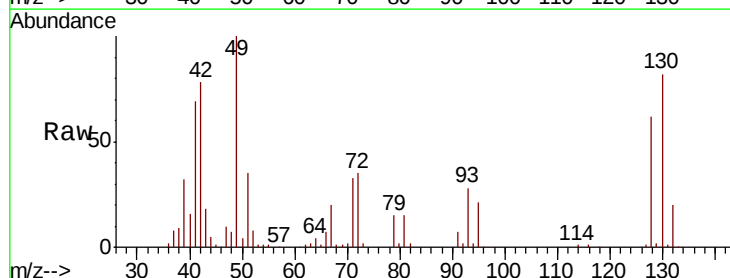
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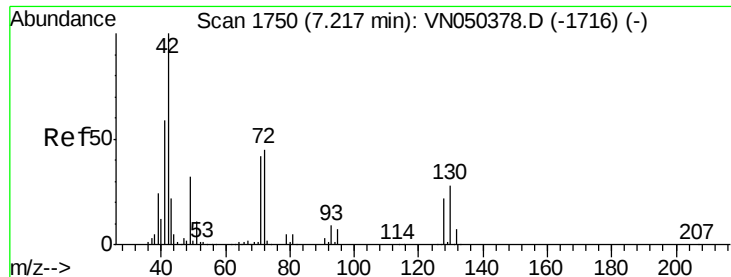
MMDadoda
 8/8/2018 10:47:06 AM



#28
 Bromochloromethane
 Concen: 48.82 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.0	
130	82.8	66.3	99.5	





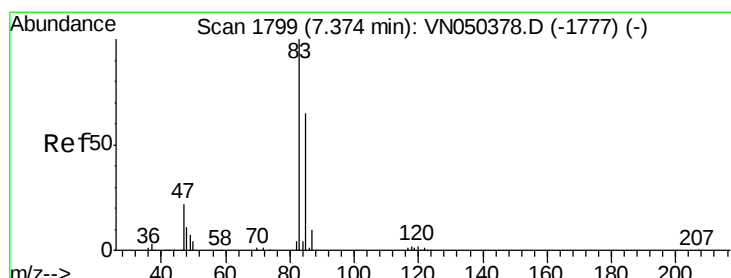
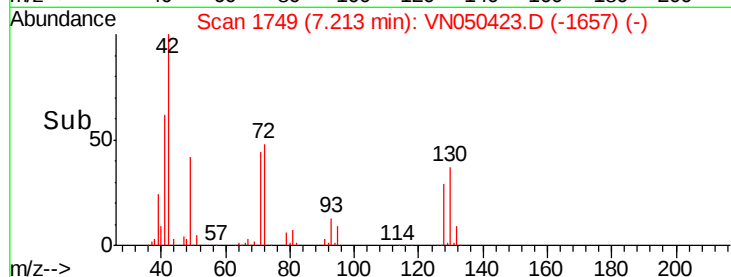
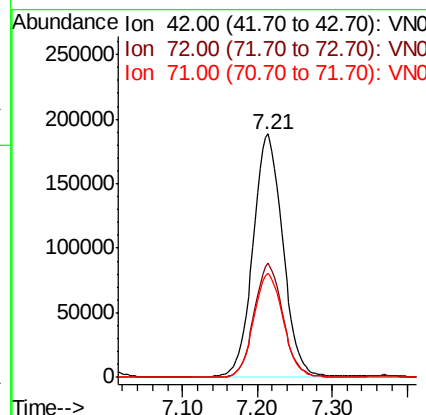
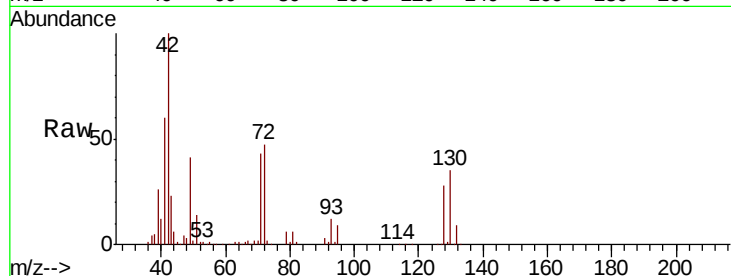
#29
Tetrahydrofuran
Concen: 208.37 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	522951
Ion Ratio		Lower	Upper
42	100		
72	45.2	35.9	53.9
71	42.5	33.7	50.5

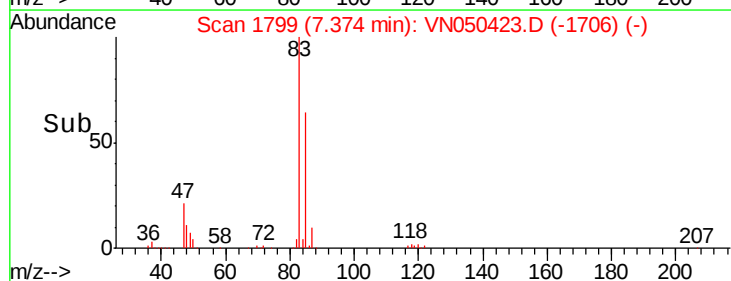
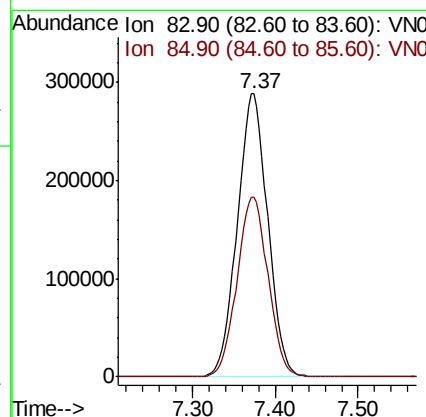
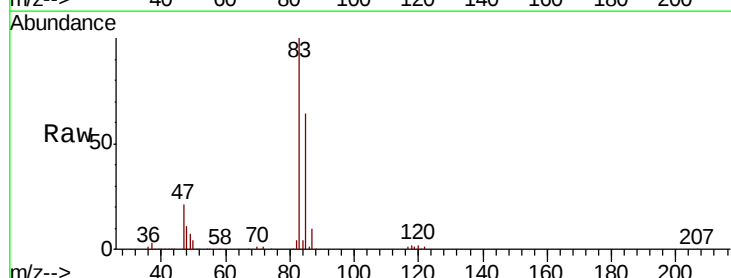
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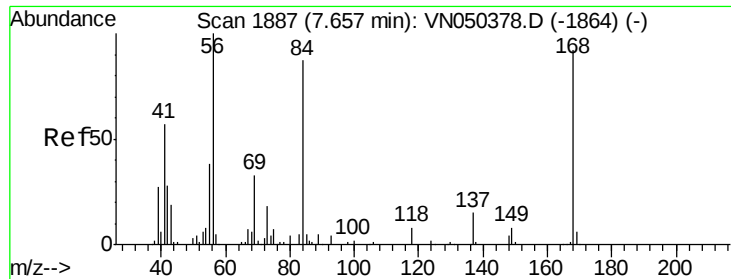
MMDadoda
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#30
Chloroform
Concen: 47.83 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion:	83	Resp:	736876
Ion Ratio		Lower	Upper
83	100		
85	63.7	52.5	78.7





#31

Cyclohexane

Concen: 48.14 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 653273

Ion Ratio Lower Upper

56 100

69 33.0 26.2 39.4

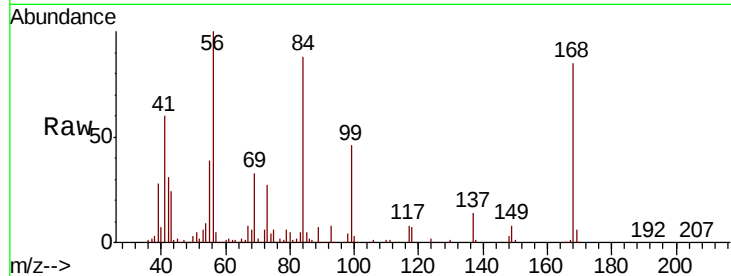
84 86.6 67.4 101.0

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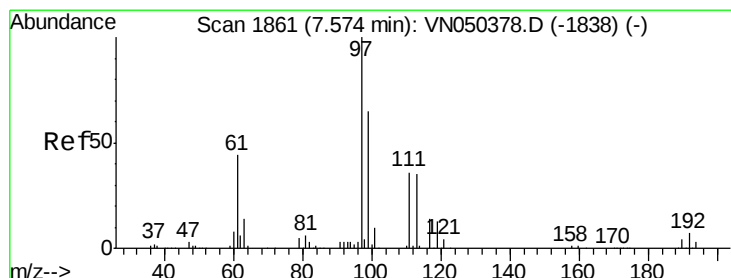
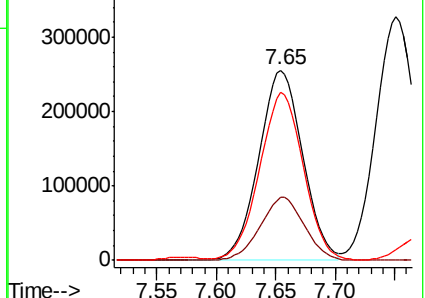
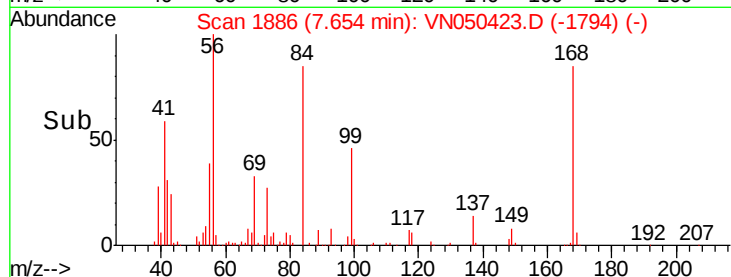
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.42 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

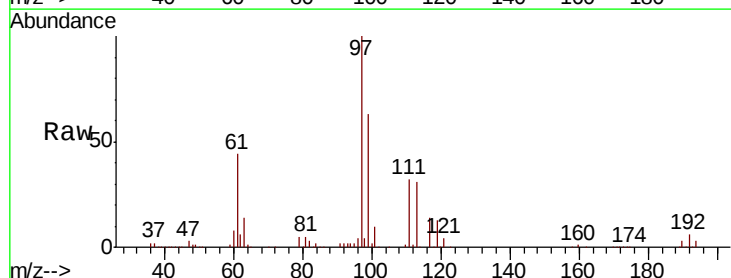
Tgt Ion: 97 Resp: 627408

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

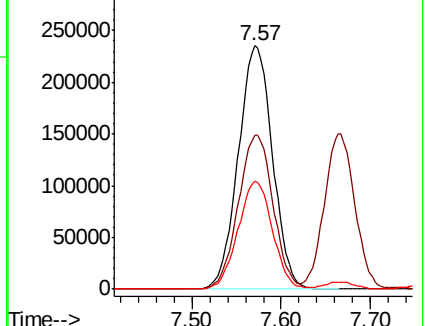
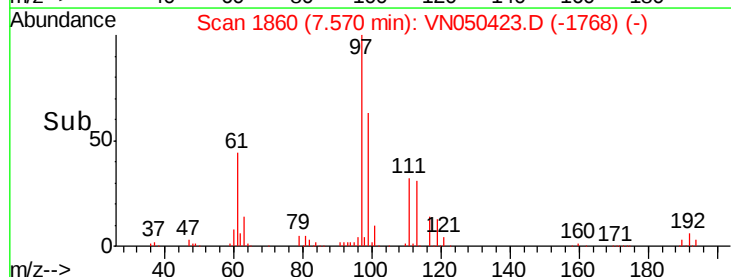
61 44.6 35.4 53.0

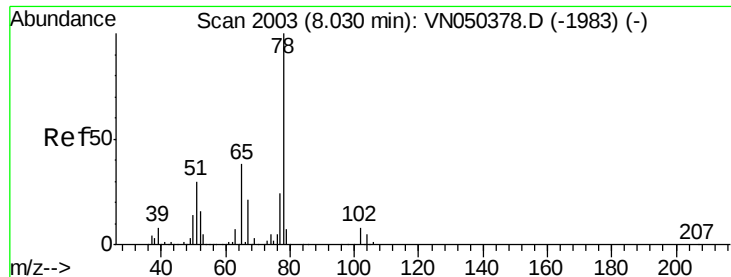


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





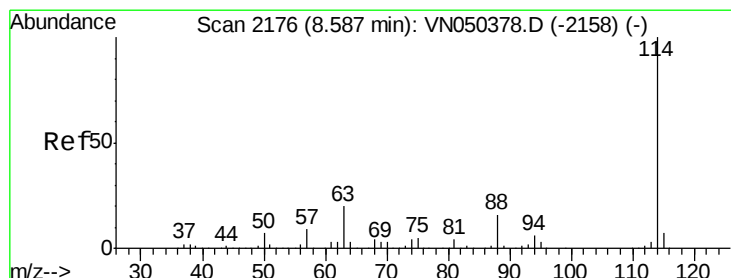
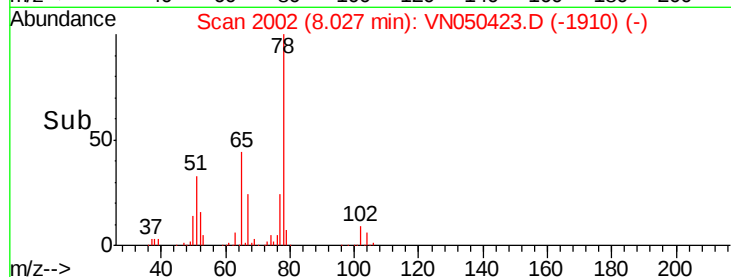
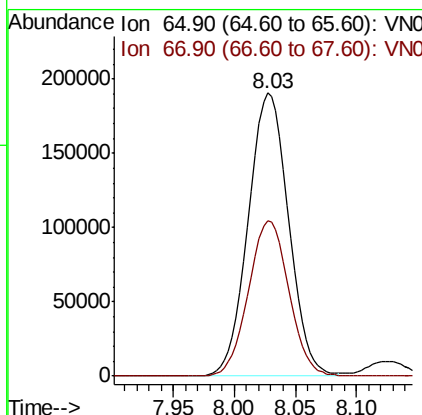
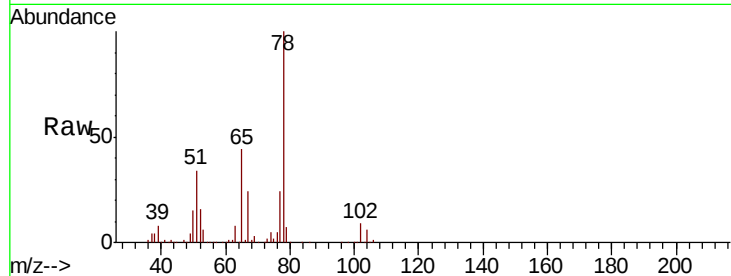
#33
 1,2-Dichloroethane-d4
 Concen: 46.14 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	436600		
67	55.0	0.0	108.4	

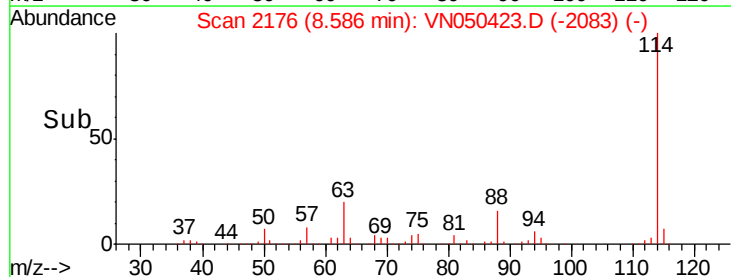
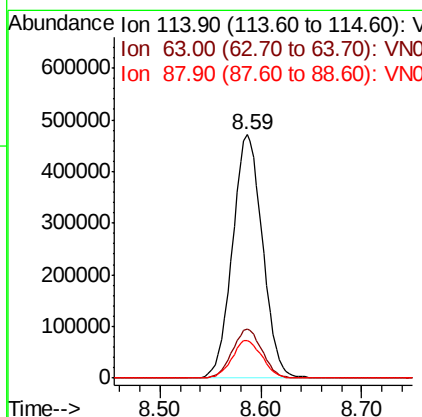
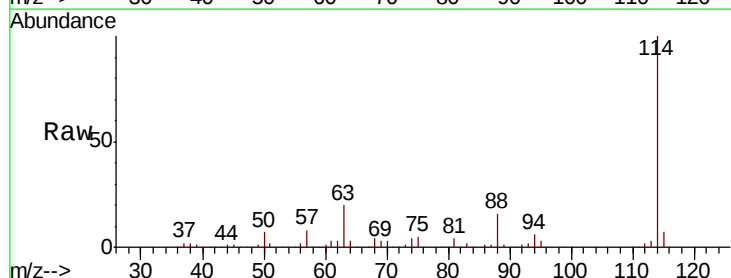
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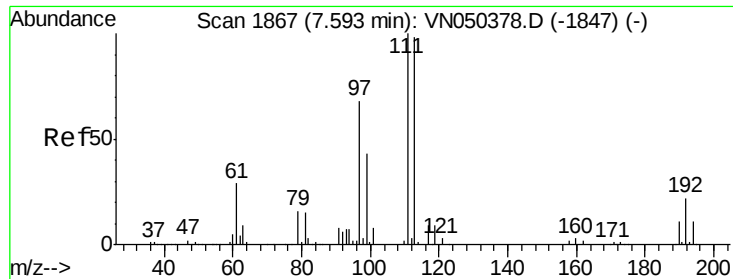
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	974493		
63	20.0	0.0	40.0	
88	15.6	0.0	31.2	





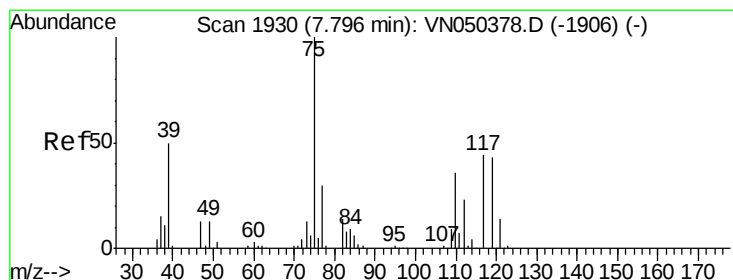
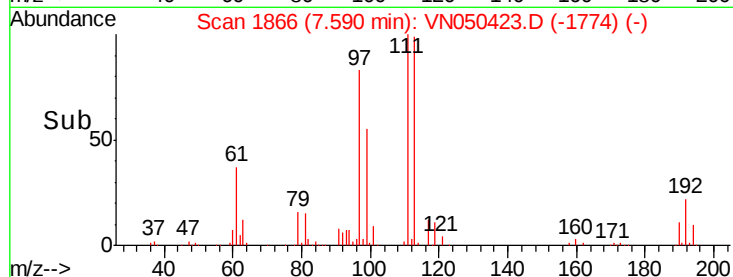
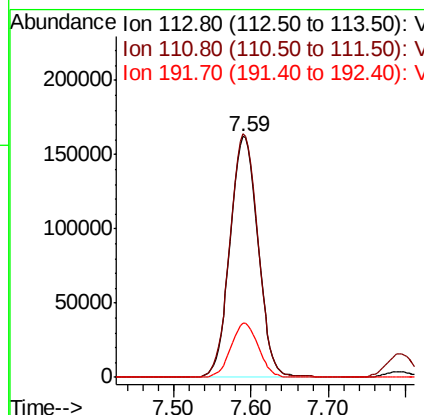
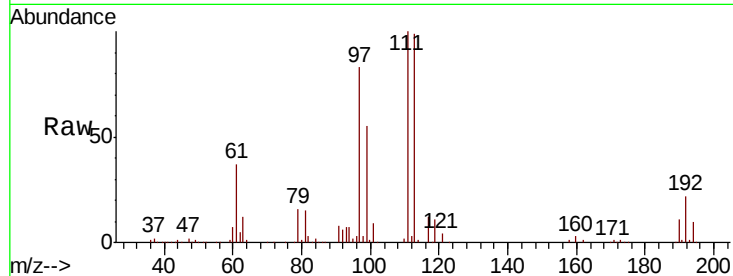
#35
 Dibromofluoromethane
 Concen: 51.97 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	406328		
111	100.8	80.7	121.1	
192	22.1	17.8	26.6	

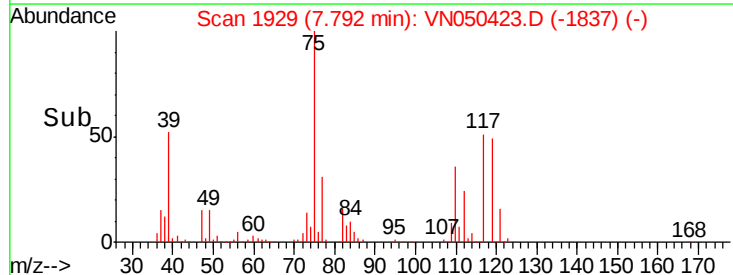
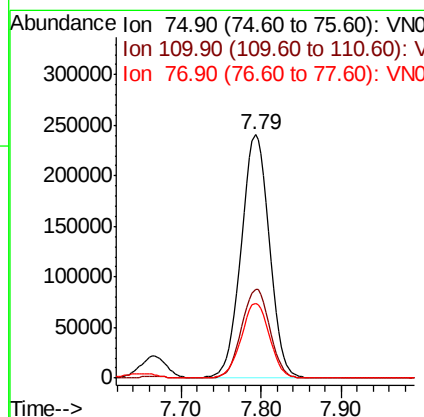
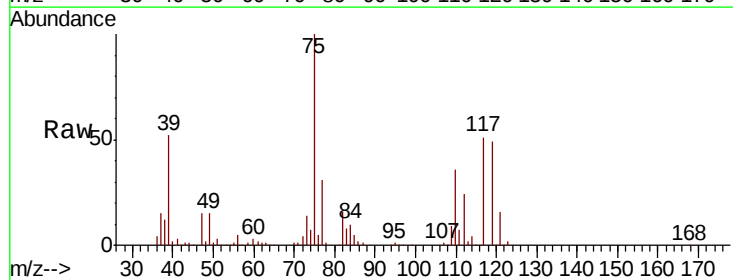
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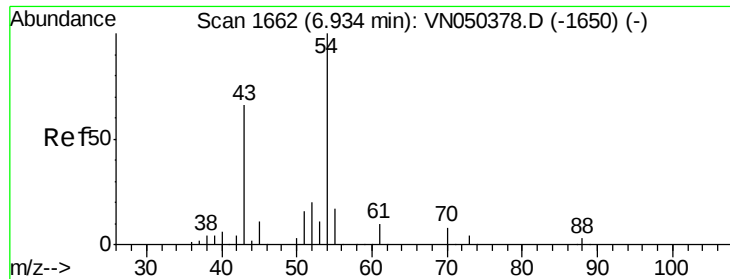
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#36
 1,1-Dichloropropene
 Concen: 53.27 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	570320		
110	36.7	18.4	55.2	
77	31.0	25.3	37.9	





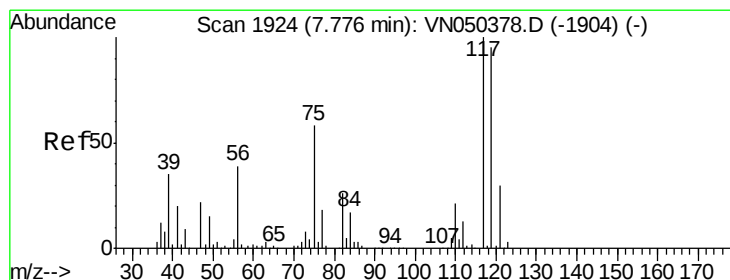
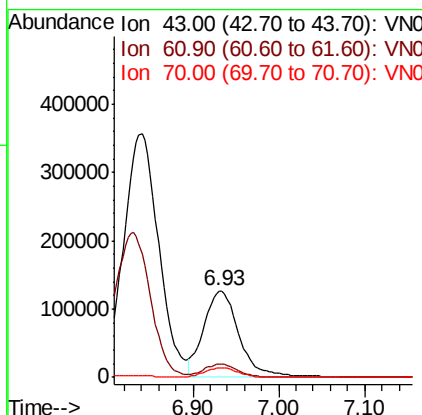
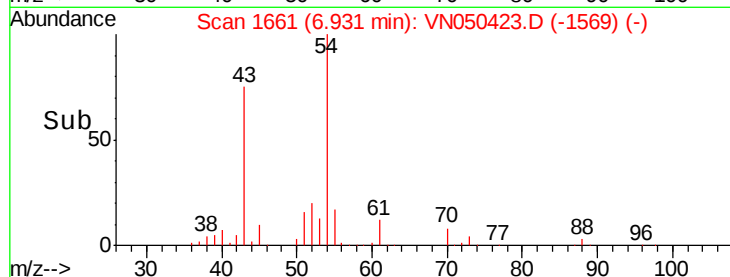
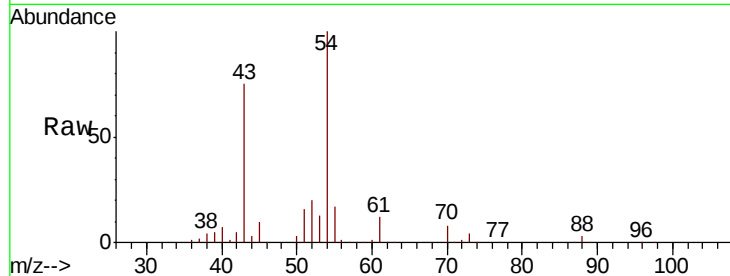
#37
Ethyl Acetate
Concen: 46.32 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.8
70	10.7	8.4	12.6

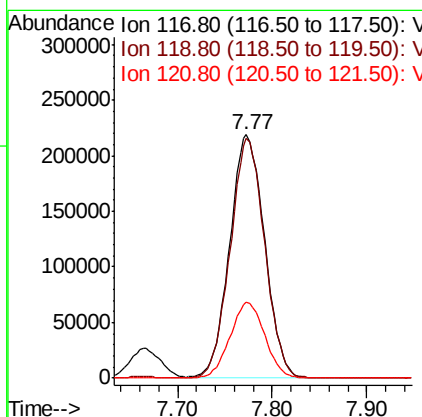
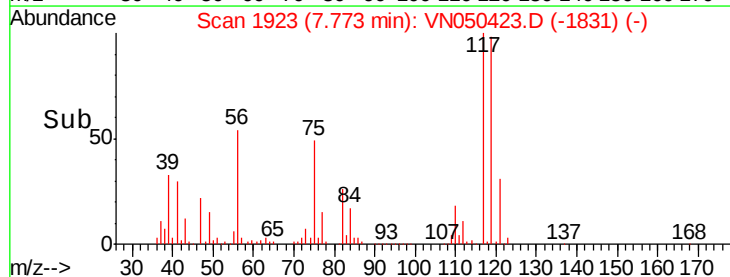
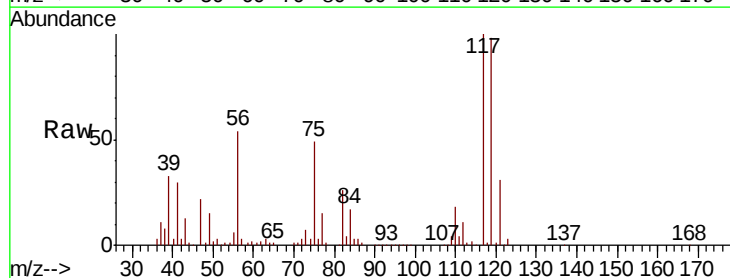
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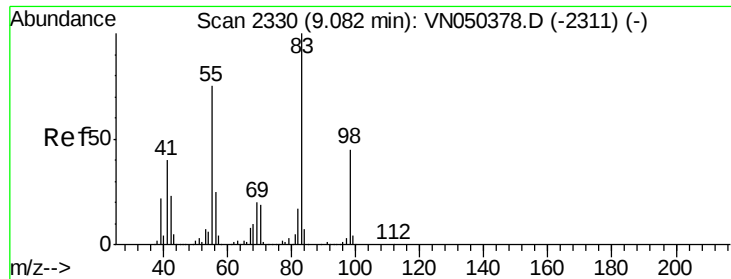
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.35 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.4	116.0
121	31.0	23.9	35.9





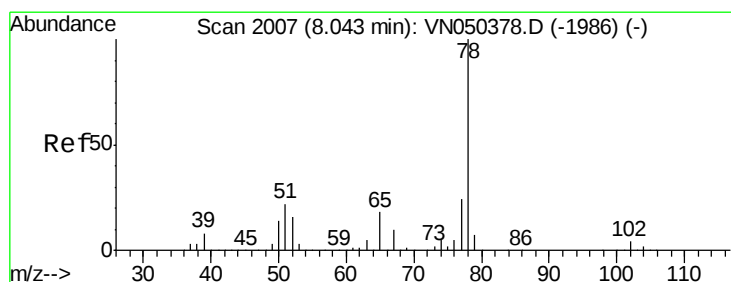
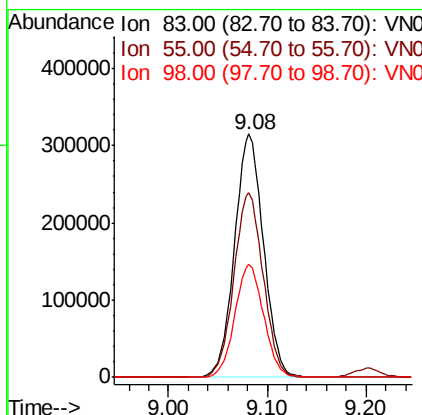
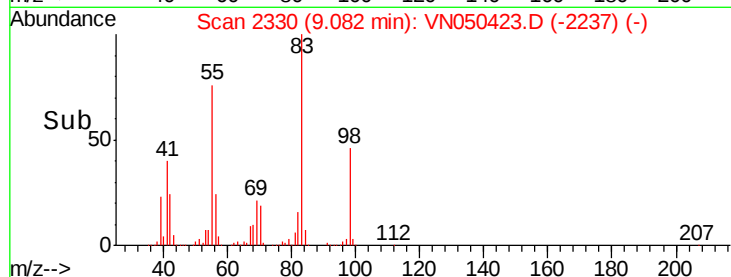
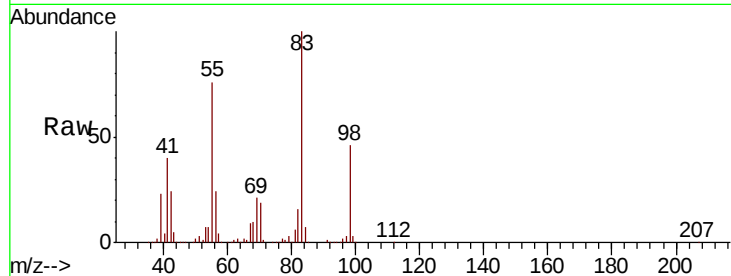
#39
Methvlcvclohexane
Concen: 54.79 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	640400
Ion Ratio	Lower	Upper	
83	100		
55	76.0	61.8	92.8
98	46.2	36.5	54.7

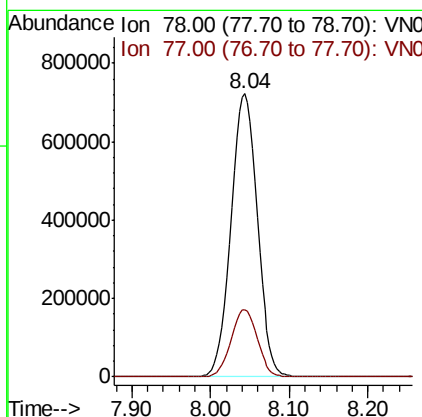
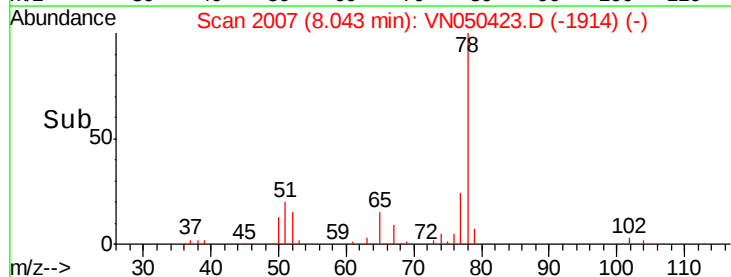
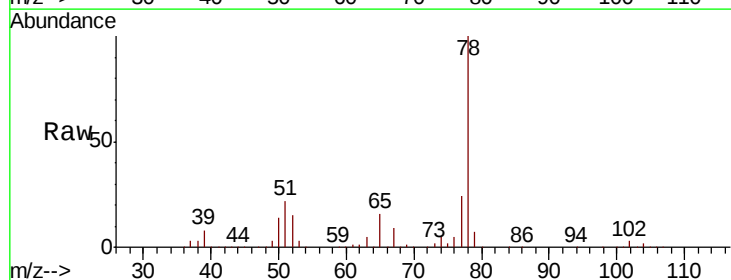
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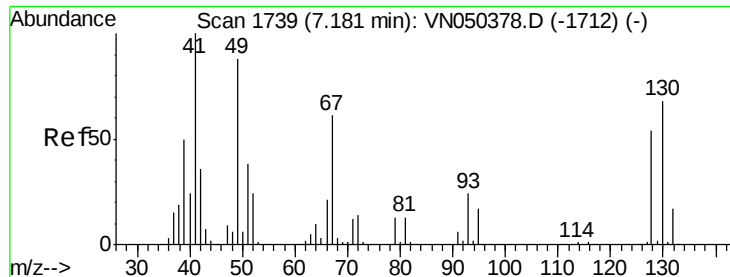
MMDadoda
8/8/2018 10:47:06 AM



#40
Benzene
Concen: 51.19 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	78	Resp	1684942
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.7	28.1





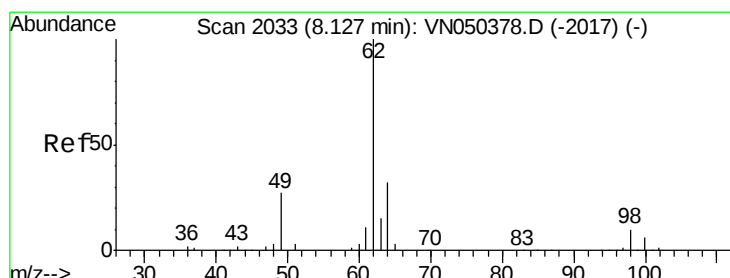
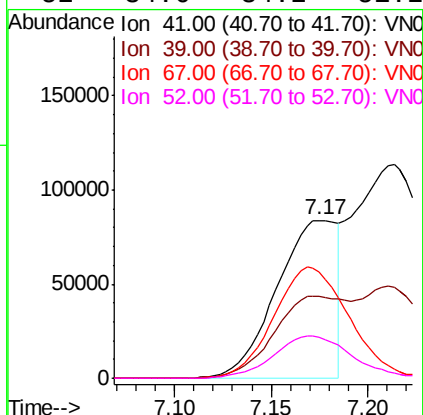
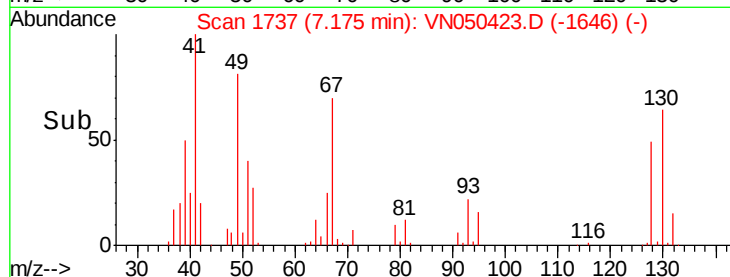
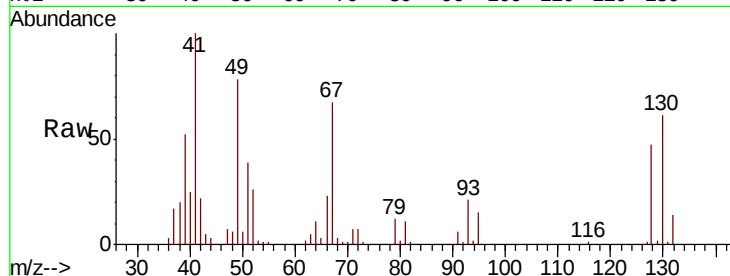
#41
Methacrylonitrile
Concen: 44.34 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.0	55.8	83.6
67	88.6	84.3	126.5
52	34.6	34.2	51.2

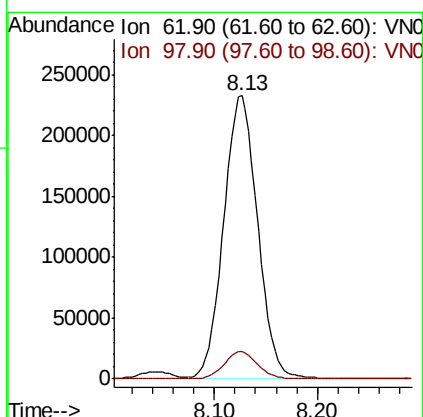
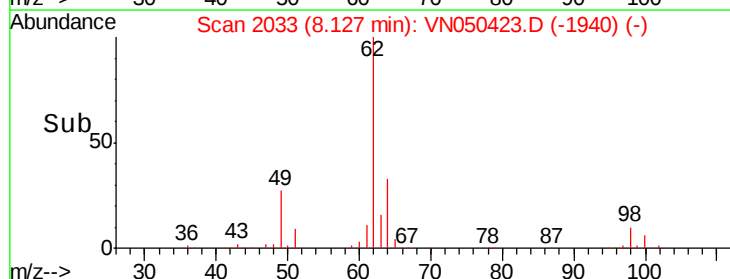
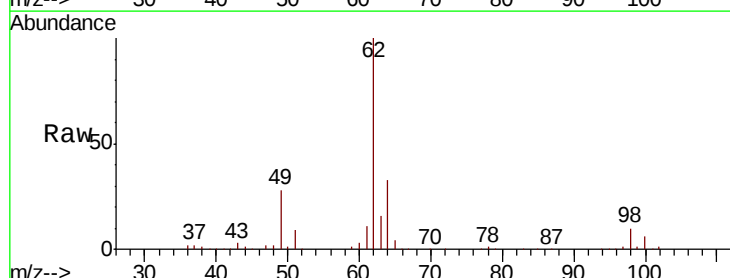
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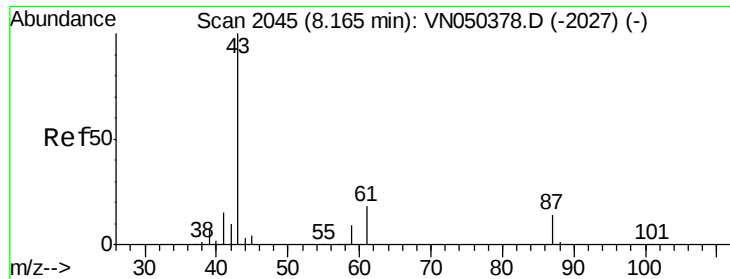
MMDadoda
8/8/2018 10:47:06 AM



#42
1,2-Dichloroethane
Concen: 50.86 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





#43

Isopropyl Acetate

Concen: 47.79 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

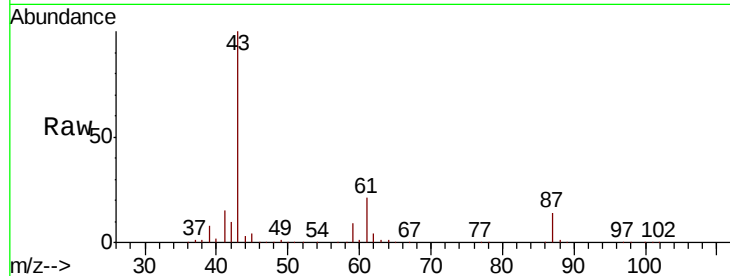
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	636149
Ion	Ratio	Lower	Upper
43	100		
61	29.1	15.8	23.6#
87	13.6	10.3	15.5

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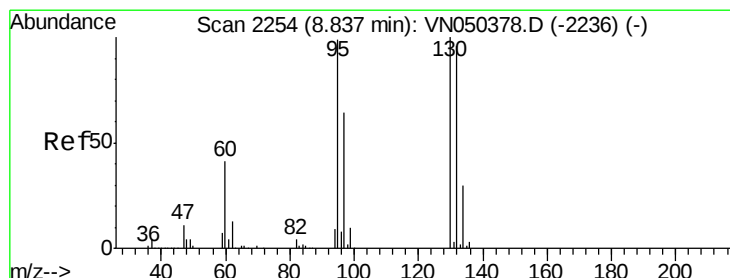
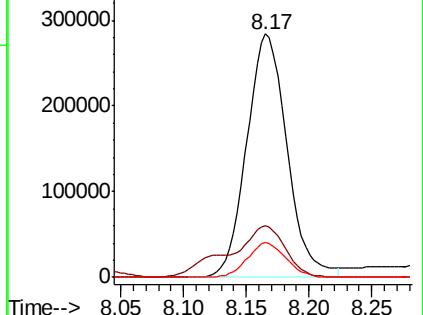
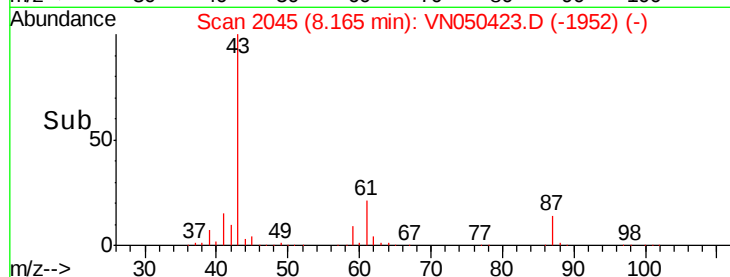


Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)

Time-->



#44

Trichloroethene

Concen: 50.01 ug/l

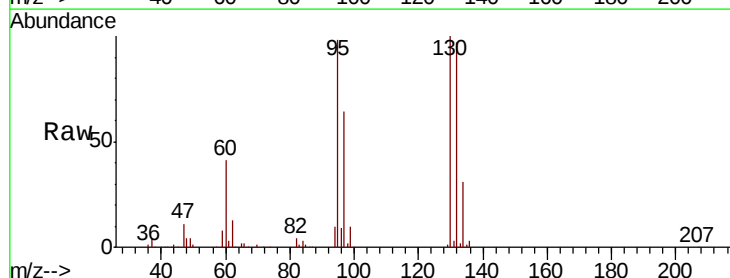
RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

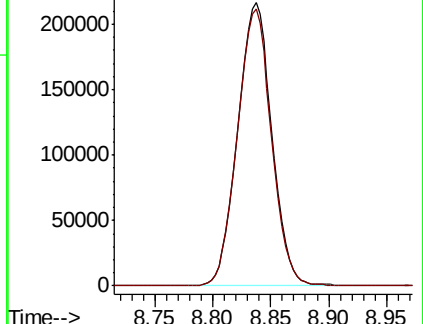
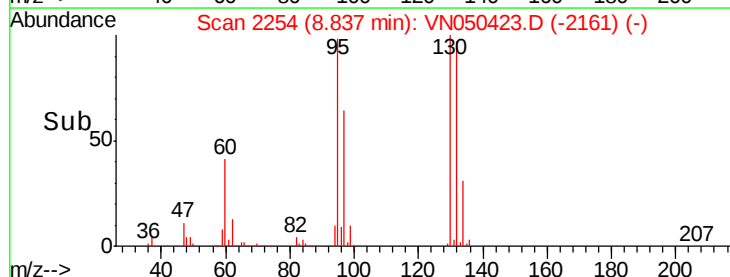
Tgt Ion:	130	Resp:	442356
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	194.6

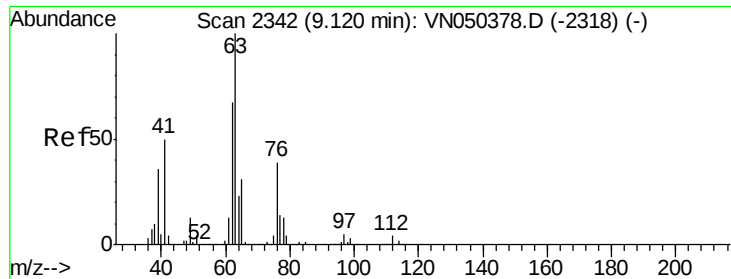


Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 51.19 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 443063

Ion Ratio Lower Upper

63 100

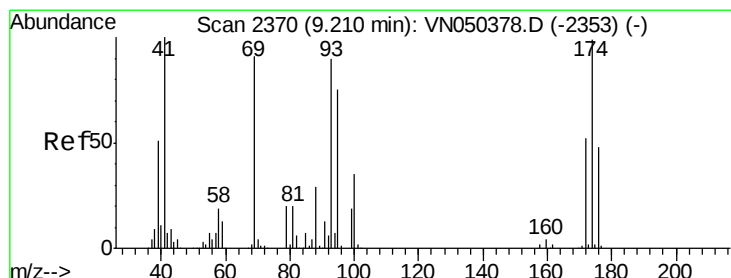
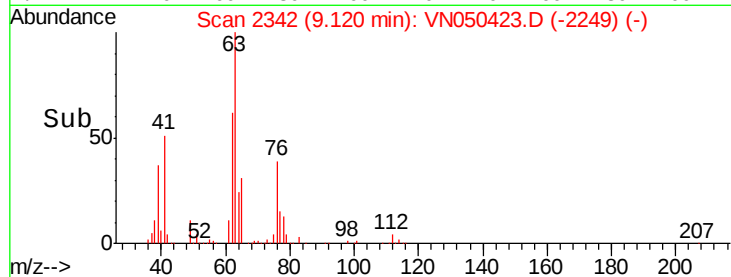
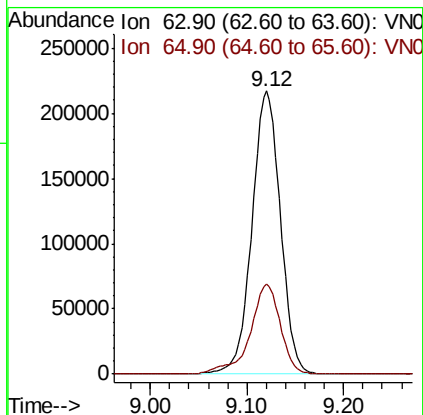
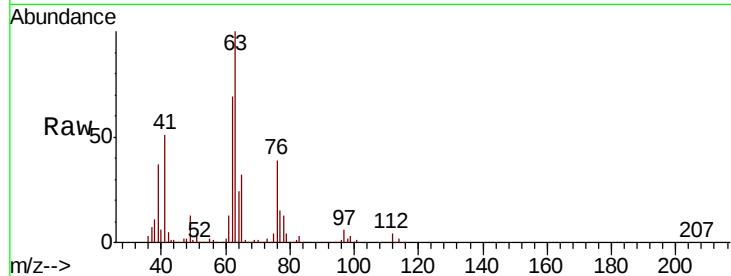
65 31.9 25.5 38.3

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#46

Dibromomethane

Concen: 49.97 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

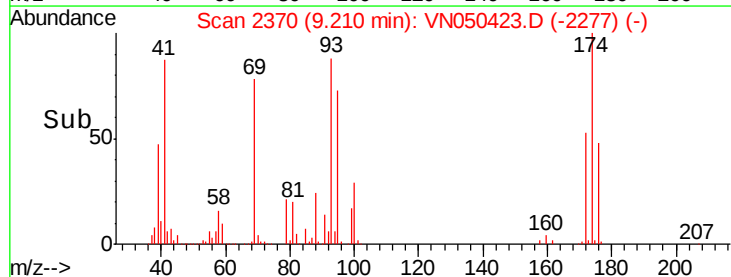
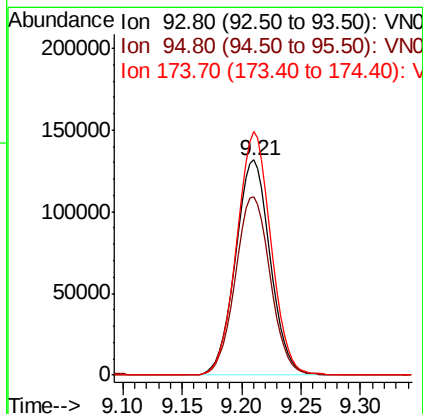
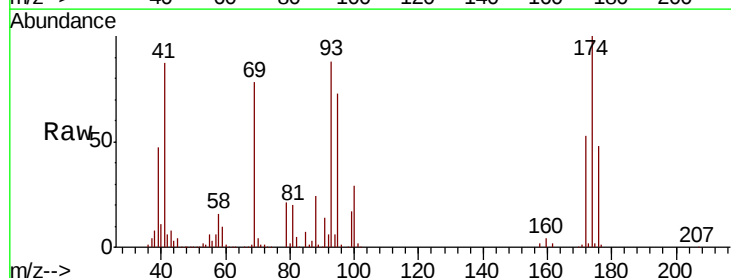
Tgt Ion: 93 Resp: 267050

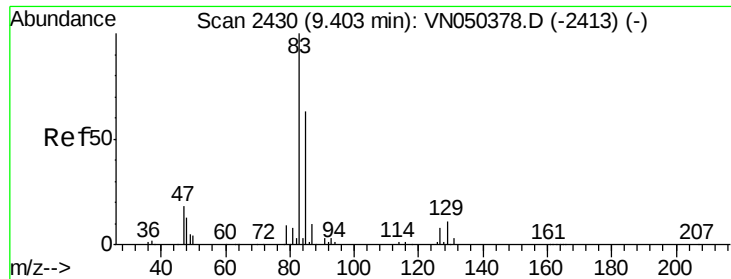
Ion Ratio Lower Upper

93 100

95 83.6 66.6 100.0

174 111.4 87.1 130.7





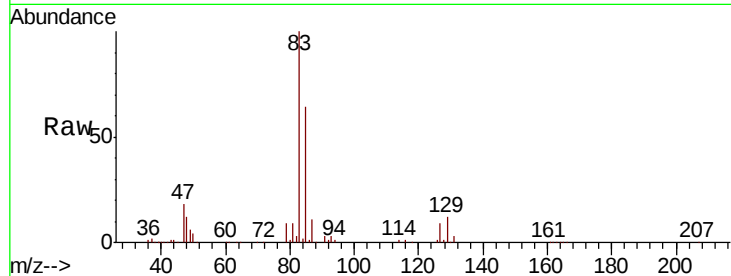
#47
Bromodichloromethane
Concen: 51.19 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

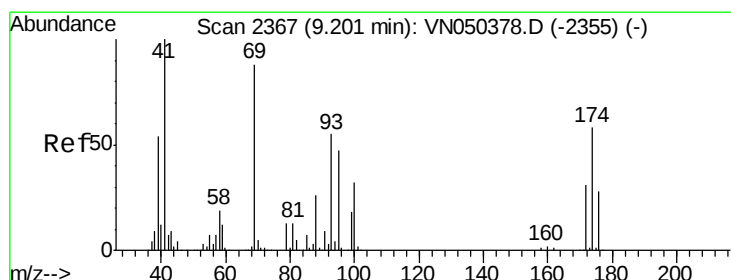
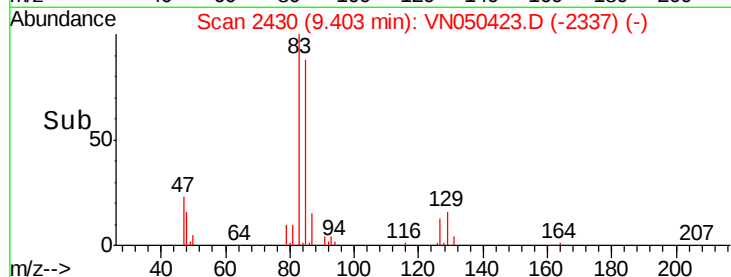
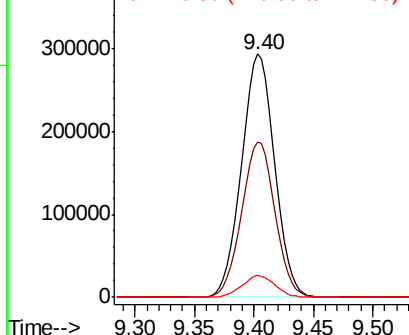
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.8	51.1	76.7	
127	9.0	7.0	10.4	

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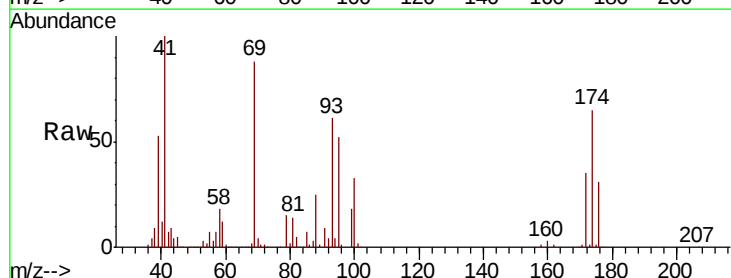


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

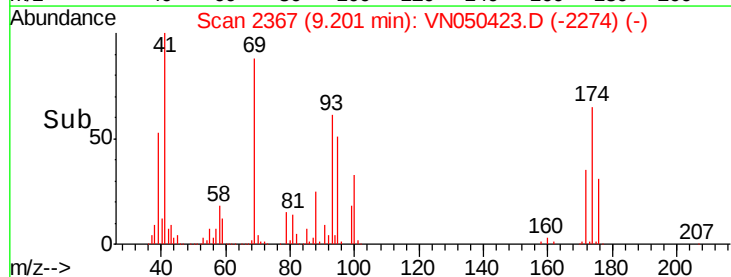
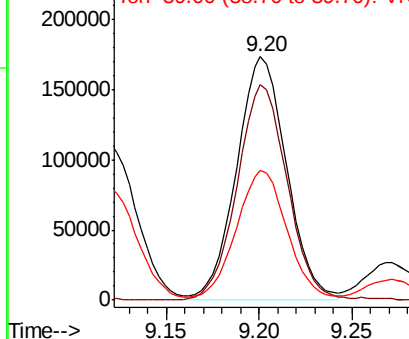


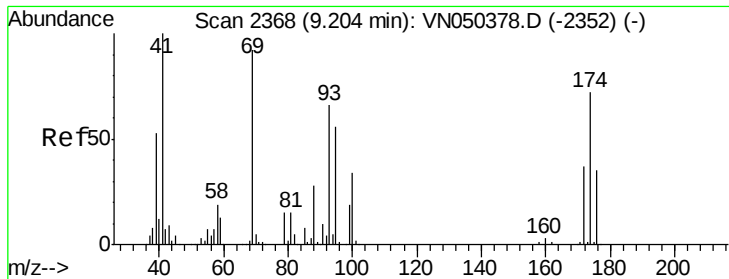
#48
Methyl methacrylate
Concen: 48.45 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	89.7	70.6	105.8	
39	54.2	43.9	65.9	



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





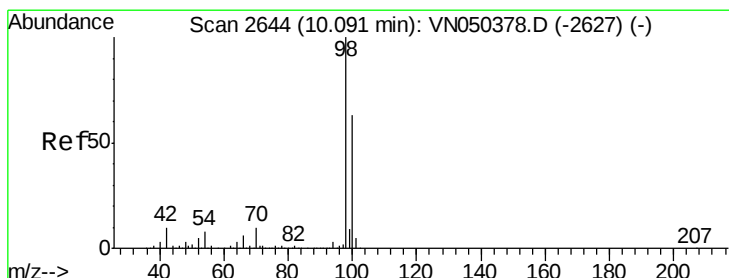
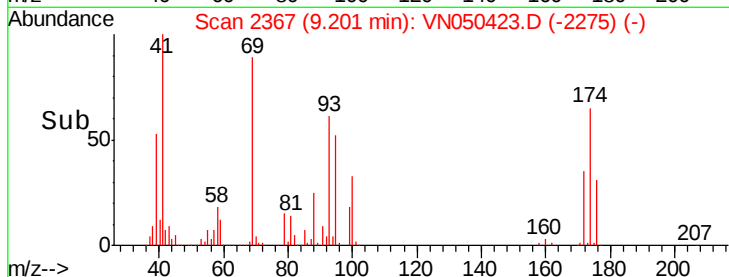
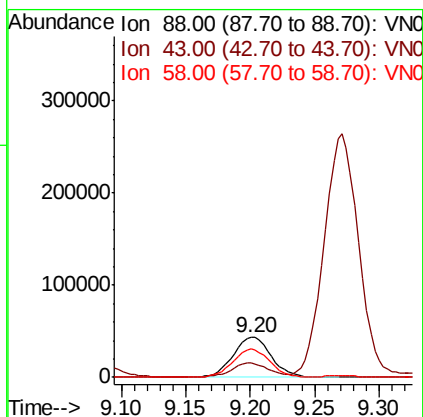
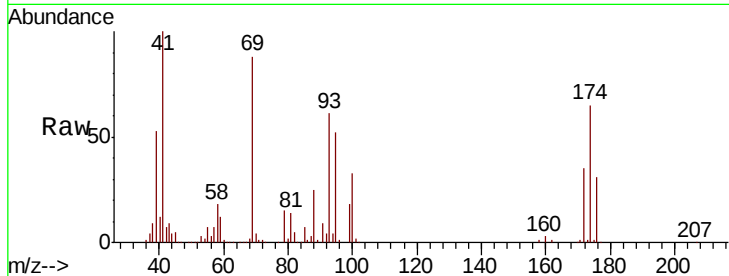
#49
1,4-Dioxane
Concen: 872.13 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.9	40.3
58	69.0	57.3	85.9

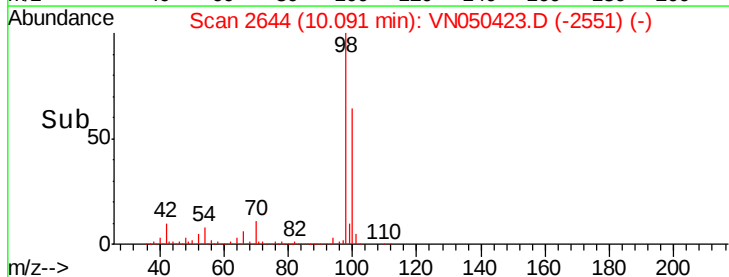
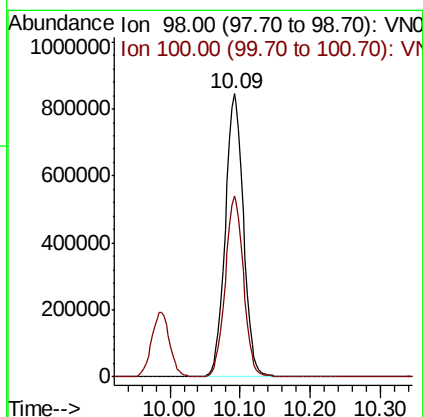
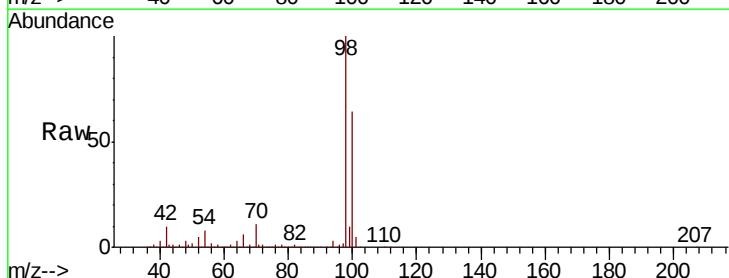
Manual Integrations
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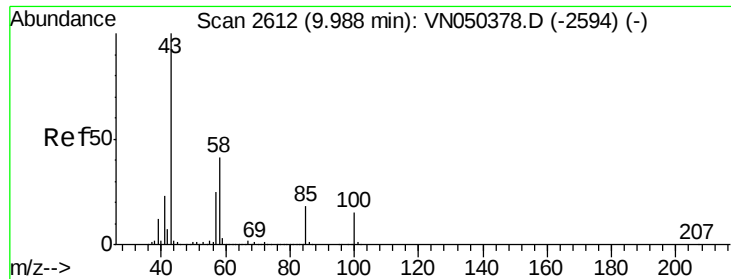
MMDadoda
8/8/2018 10:47:06 AM



#50
Toluene-d8
Concen: 51.96 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 237.58 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2277536

Ion Ratio Lower Upper

43 100

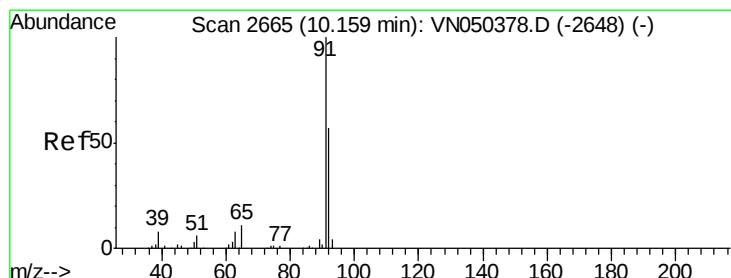
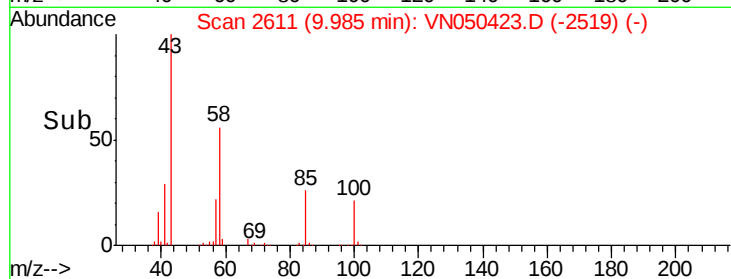
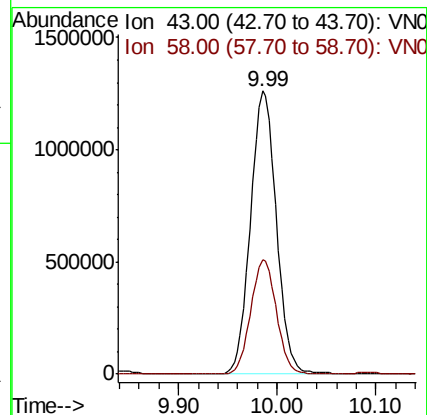
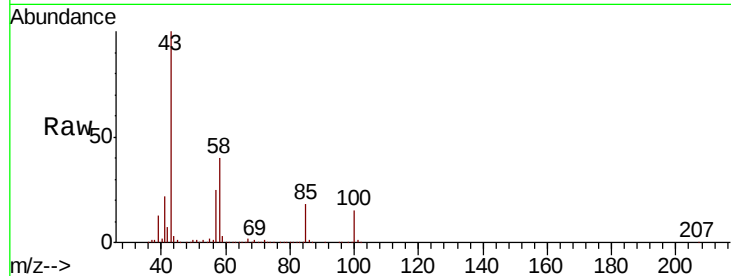
58 40.3 31.9 47.9

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8/8/2018 10:47:06 AM



#52

Toluene

Concen: 53.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050423.D

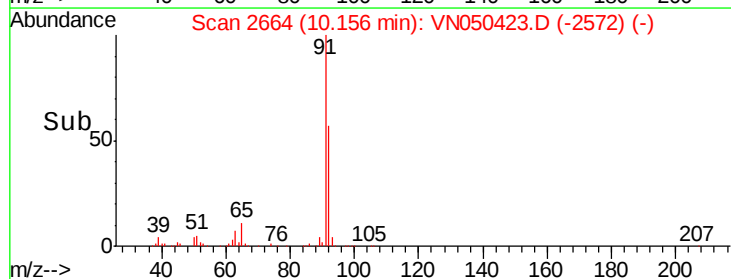
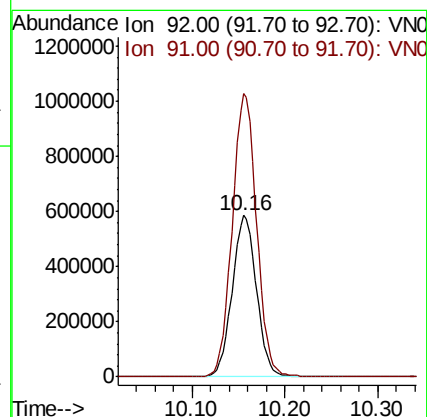
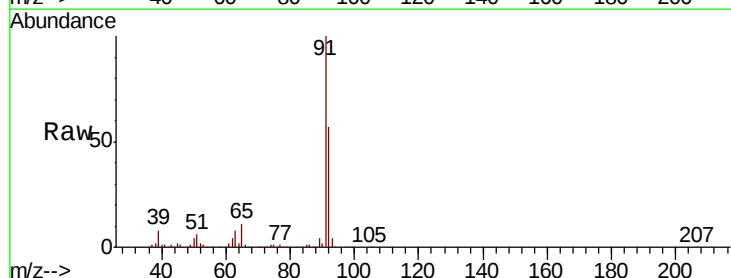
Acq: 7 Aug 2018 11:38

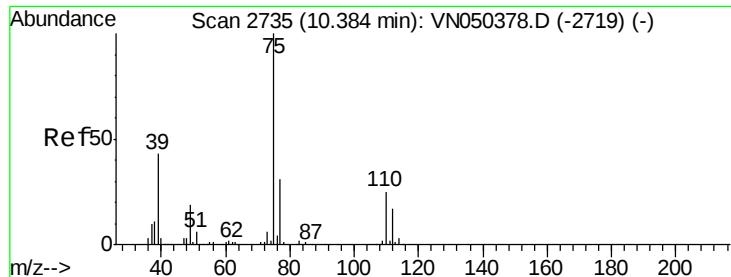
Tgt Ion: 92 Resp: 1064633

Ion Ratio Lower Upper

92 100

91 175.8 140.3 210.5





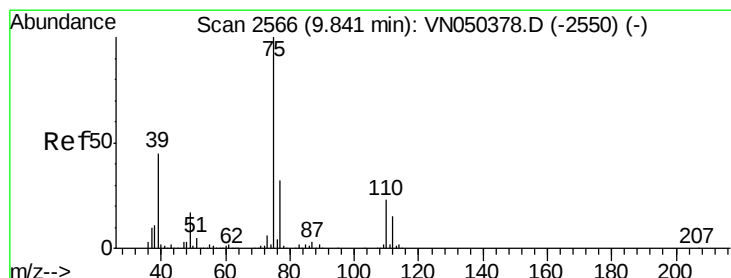
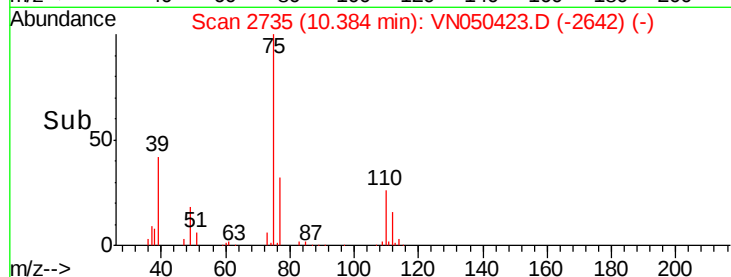
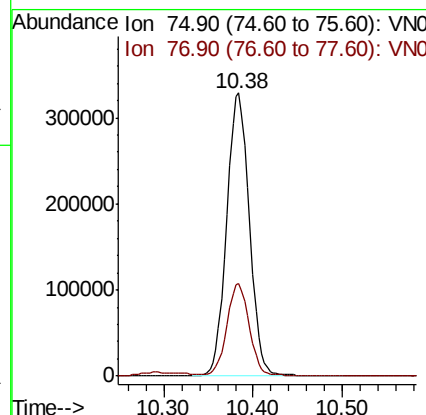
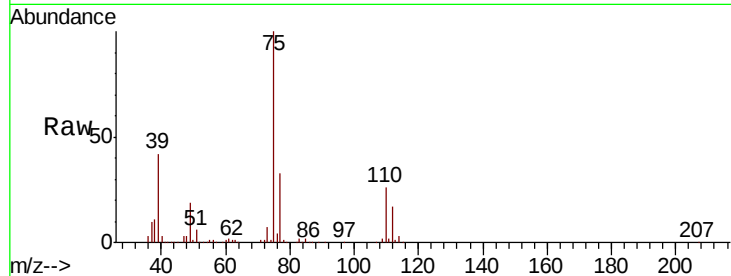
#53
t-1,3-Dichloropropene
Concen: 52.17 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.9	37.3

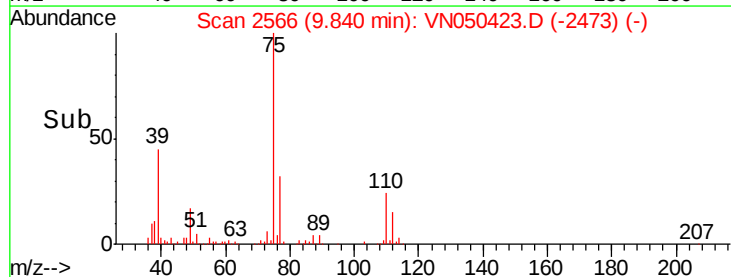
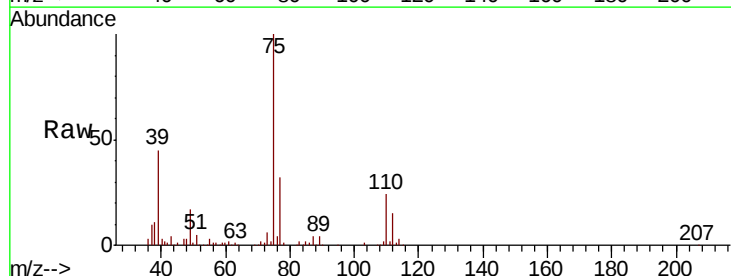
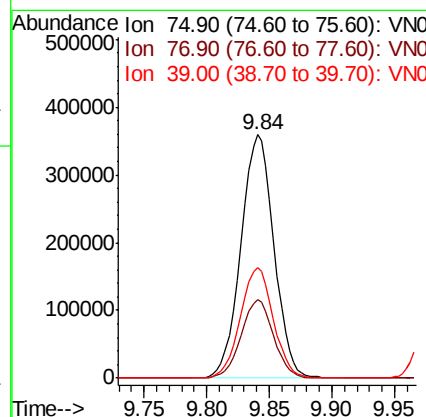
Manual Integrations
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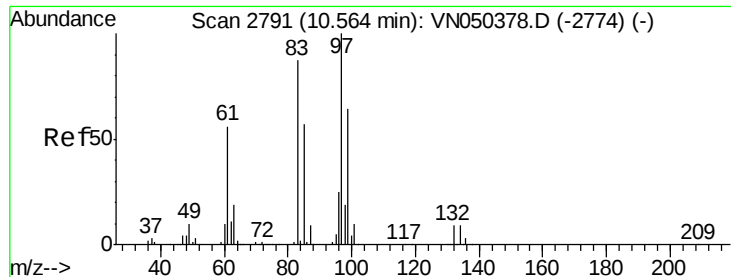
MMDadoda
8/8/2018 10:47:06 AM



#54
cis-1,3-Dichloropropene
Concen: 53.07 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3
39	45.2	36.6	55.0





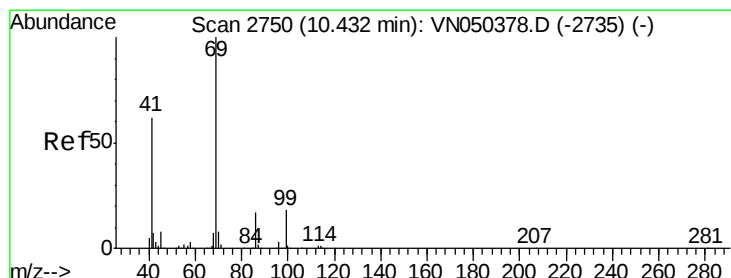
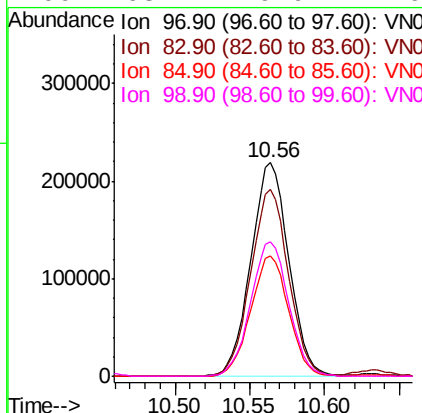
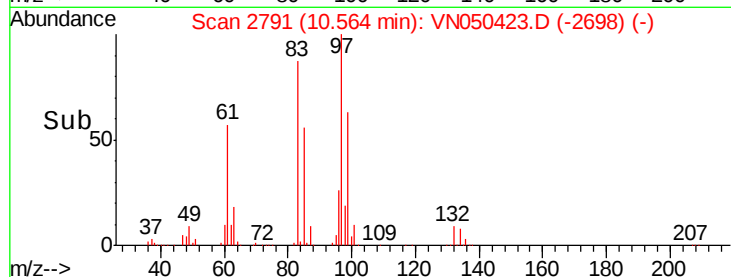
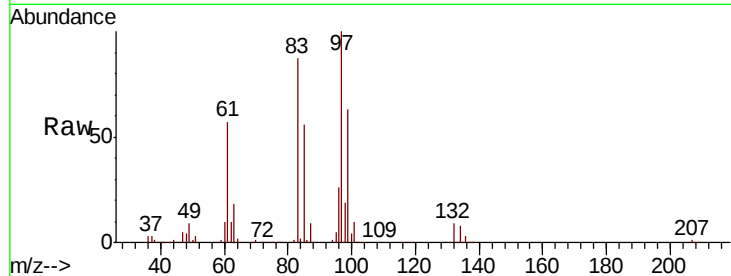
#55
 1,1,2-Trichloroethane
 Concen: 50.09 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		386709		
83	87.4	69.2	103.8		
85	56.5	44.0	66.0		
99	63.1	49.9	74.9		

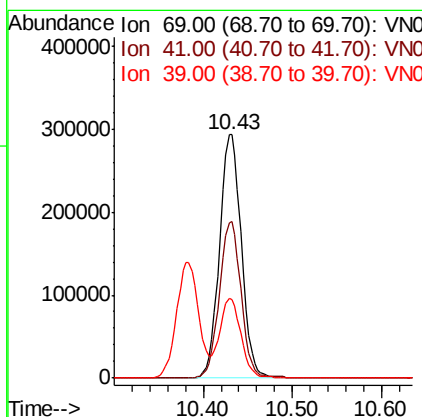
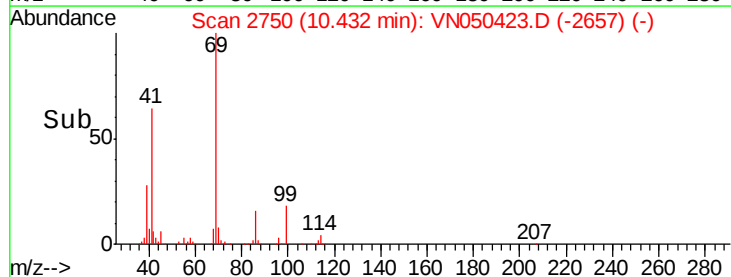
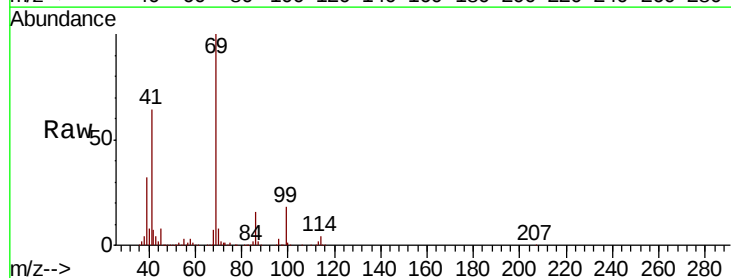
Manual Integrations
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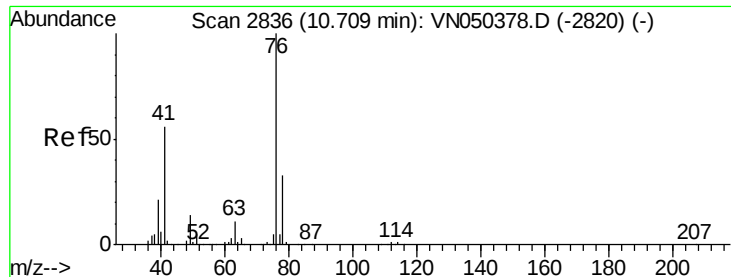
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#56
 Ethyl methacrylate
 Concen: 45.70 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		497574		
41	63.2	51.0	76.4		
39	31.5	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 51.01 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 646327

Ion Ratio Lower Upper

76 100

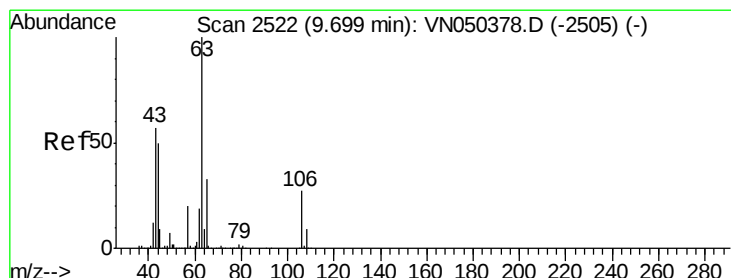
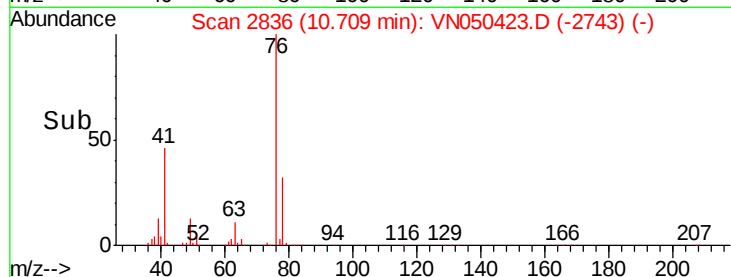
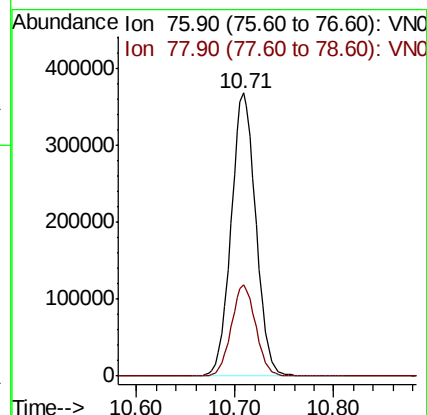
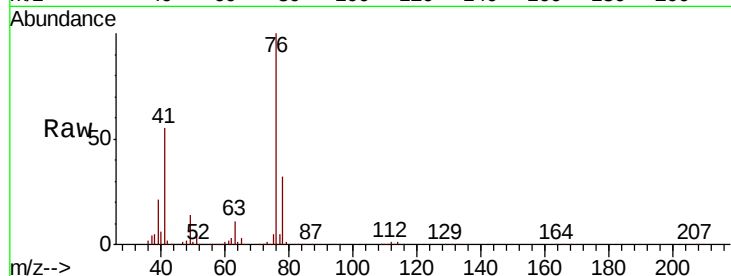
78 32.0 25.7 38.5

Manual Integrations

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MMDadoda

8/8/2018 10:47:06 AM



#58

2-Chloroethyl Vinyl ether

Concen: 243.03 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050423.D

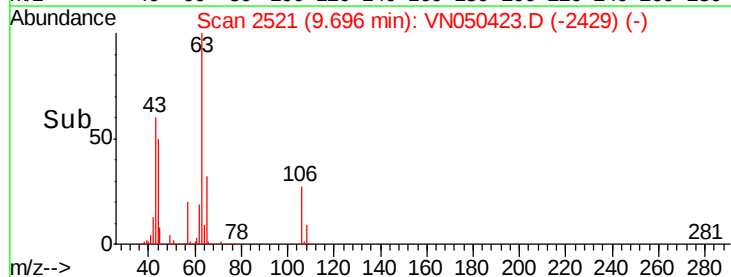
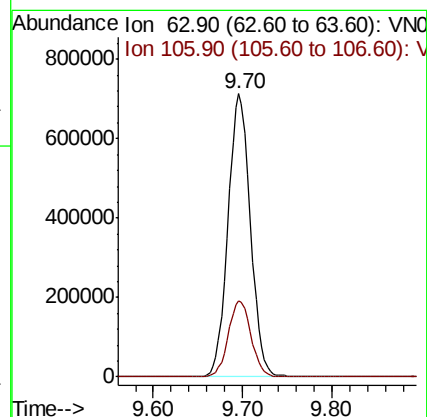
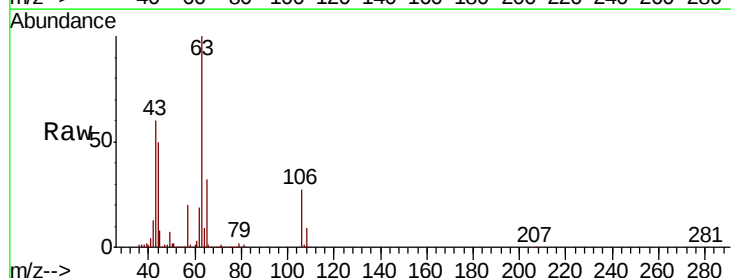
Acq: 7 Aug 2018 11:38

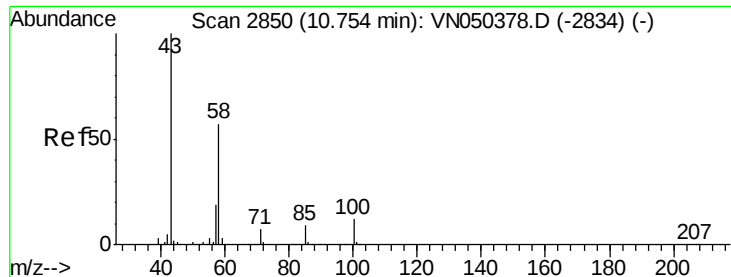
Tgt Ion: 63 Resp: 1236422

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5





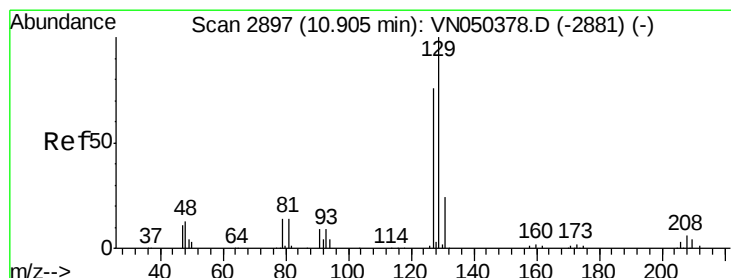
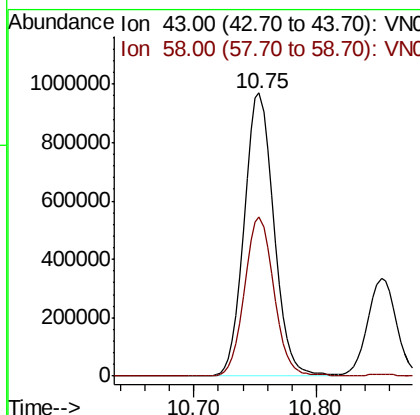
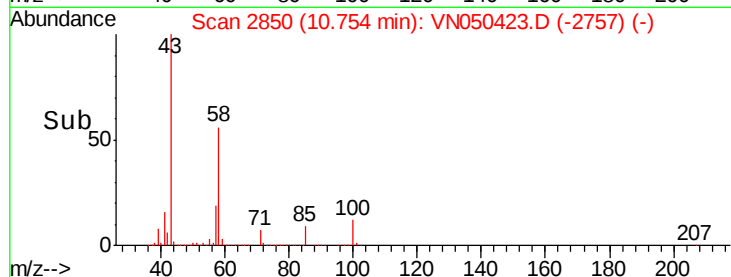
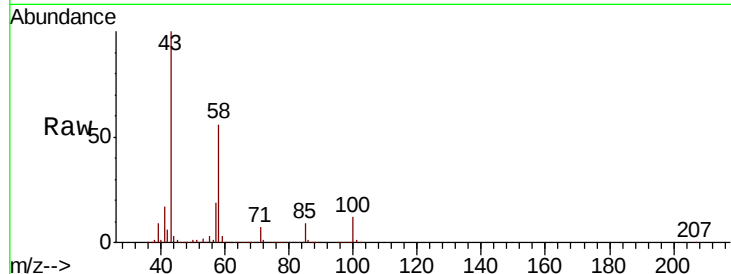
#59
2-Hexanone
Concen: 241.61 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1616432
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7

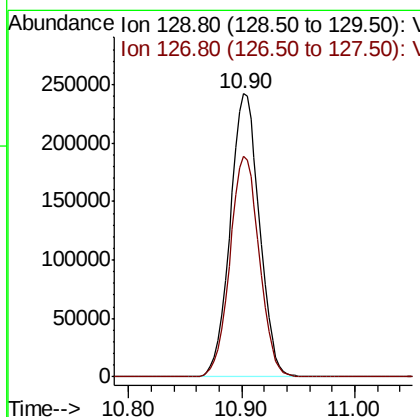
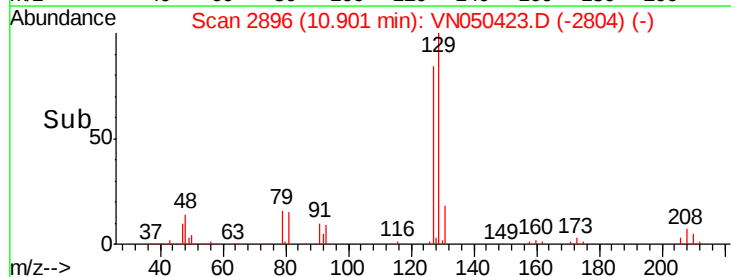
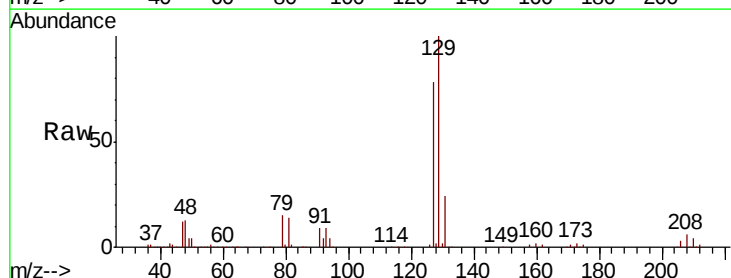
Manual Integrations
APPROVED

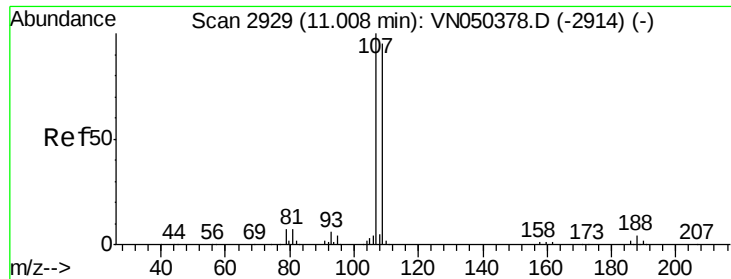
MMDadoda
8/8/2018 10:47:06 AM



#60
Dibromochloromethane
Concen: 51.15 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 129 Resp: 435008
Ion Ratio Lower Upper
129 100
127 78.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 50.74 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 386091

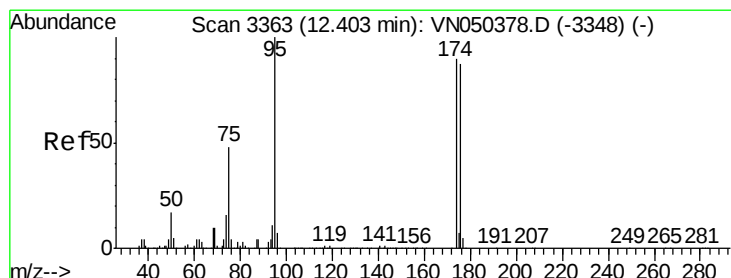
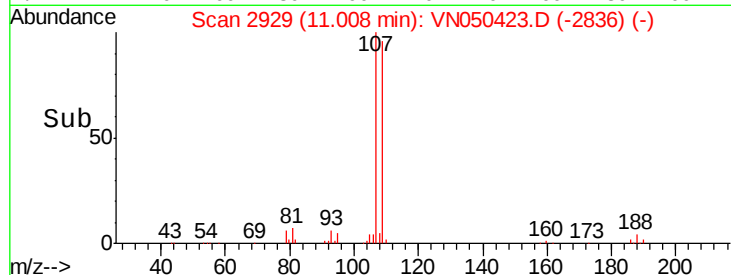
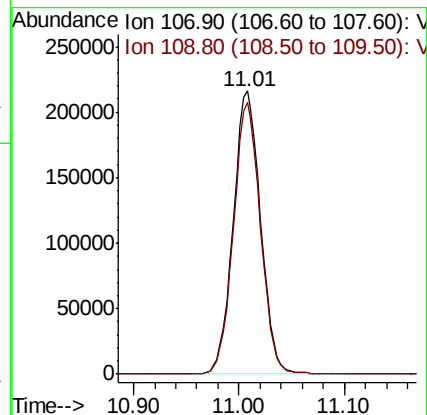
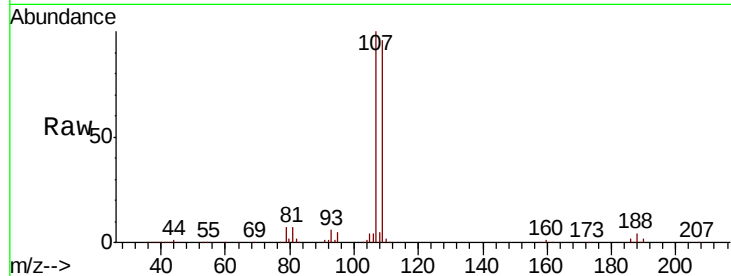
Ion Ratio Lower Upper

107 100

109 94.8 74.6 112.0

Manual Integrations
APPROVED

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8/8/2018 10:47:06 AM



#62

4-Bromofluorobenzene

Concen: 52.75 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

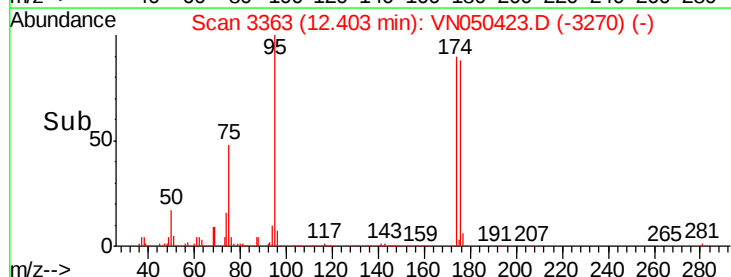
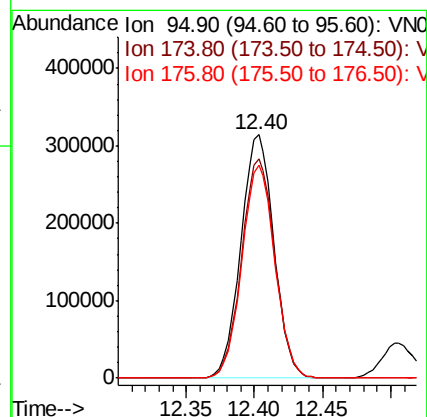
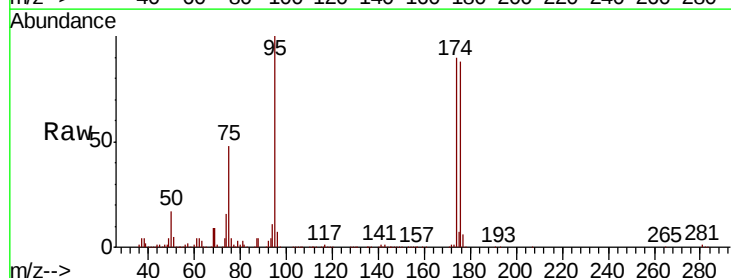
Tgt Ion: 95 Resp: 528532

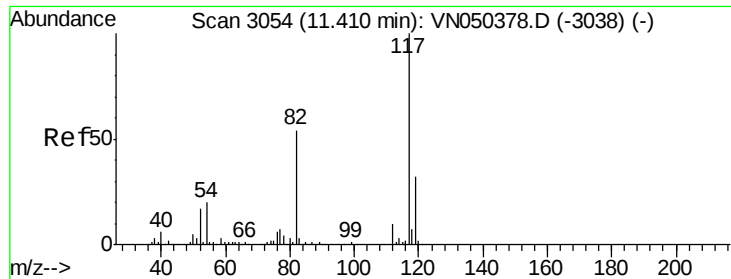
Ion Ratio Lower Upper

95 100

174 90.6 0.0 178.2

176 87.2 0.0 173.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

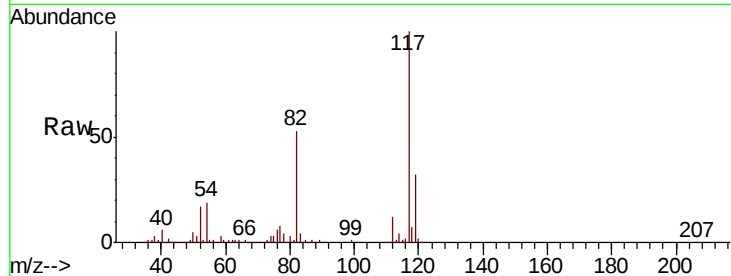
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	922726
Ion Ratio	Lower	Upper	
117	100		
82	53.2	43.7	65.5
119	31.5	26.1	39.1

Manual Integrations
APPROVED

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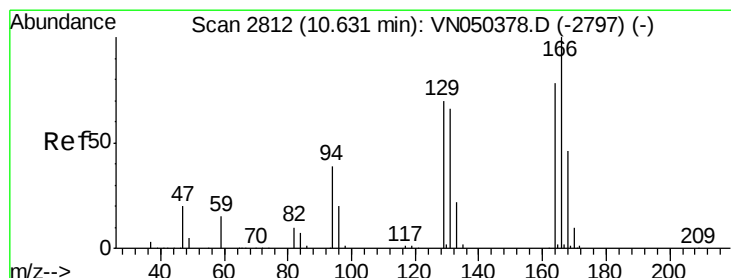
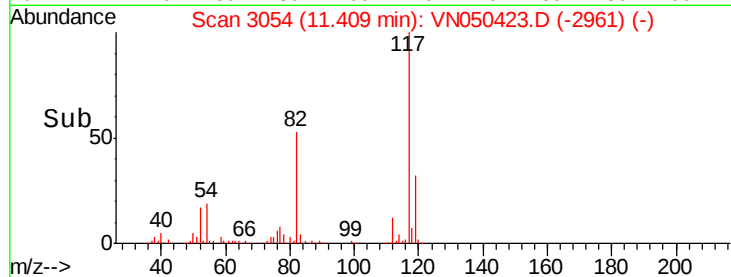
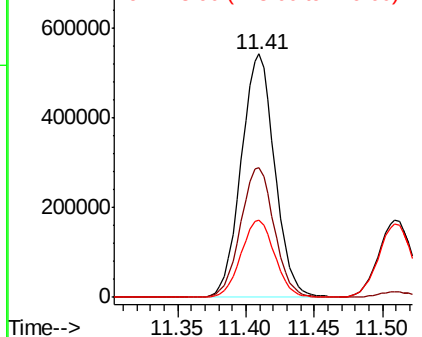


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 52.39 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Tgt Ion:	164	Resp:	451649
Ion Ratio	Lower	Upper	
164	100		
166	126.7	102.1	153.1
129	91.3	73.2	109.8
131	85.6	70.6	106.0

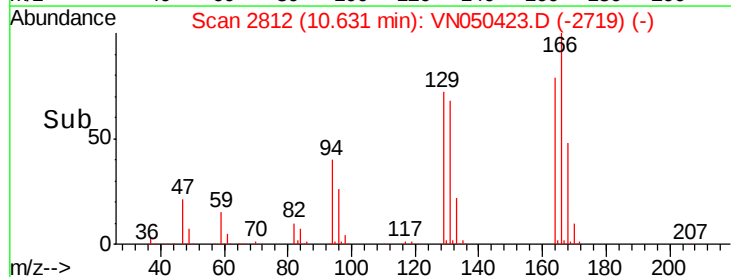
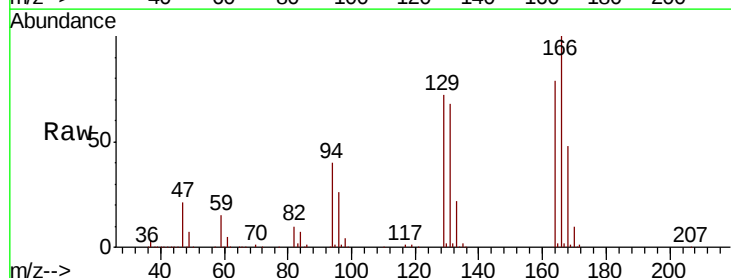
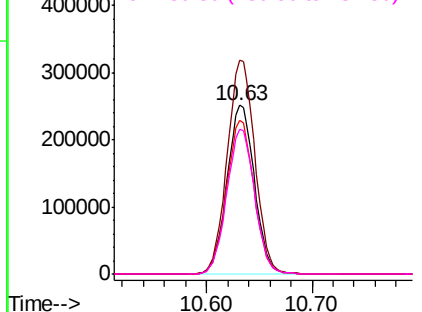
Abundance

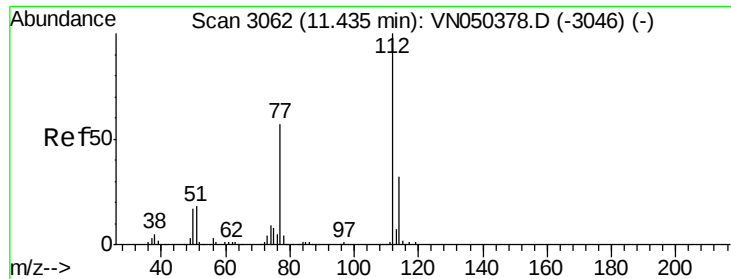
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





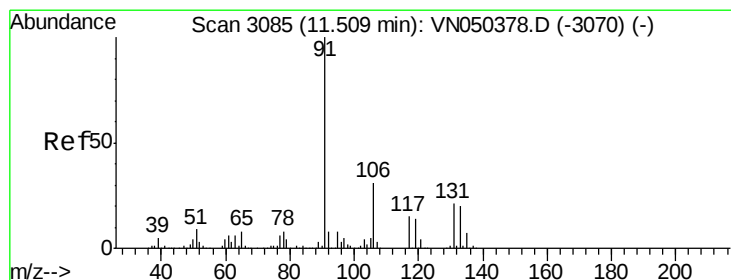
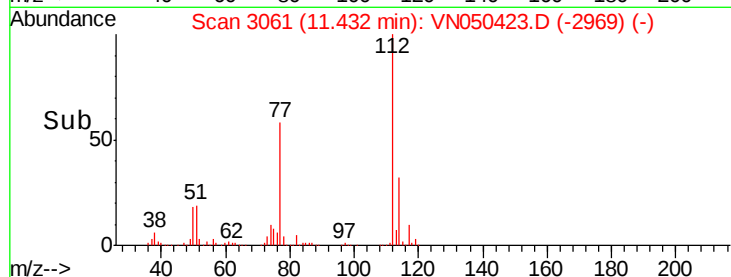
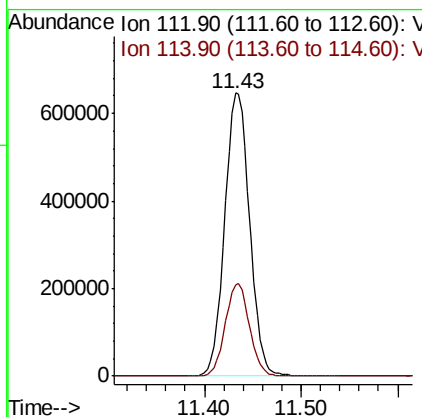
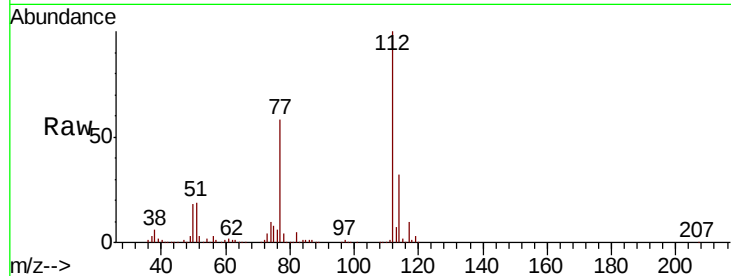
#65
Chlorobenzene
Concen: 49.83 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1152686
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

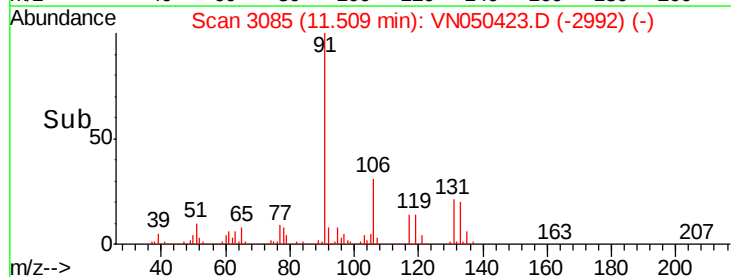
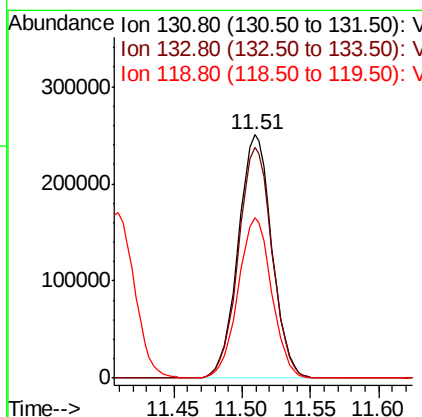
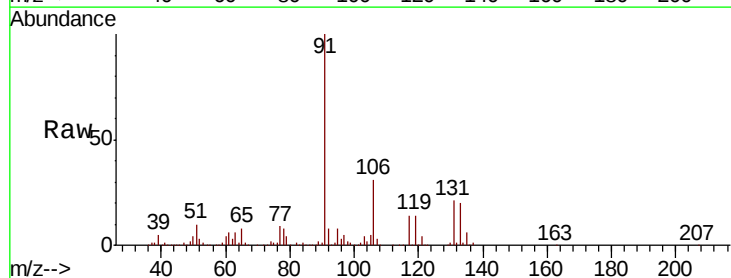
Manual Integrations
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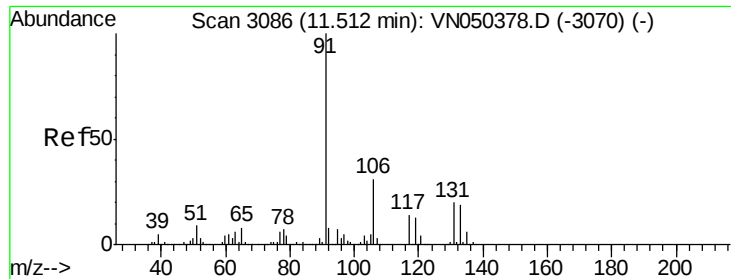
MMDadoda
8/8/2018 10:47:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.96 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion:131 Resp: 429028
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 65.7 32.9 98.7





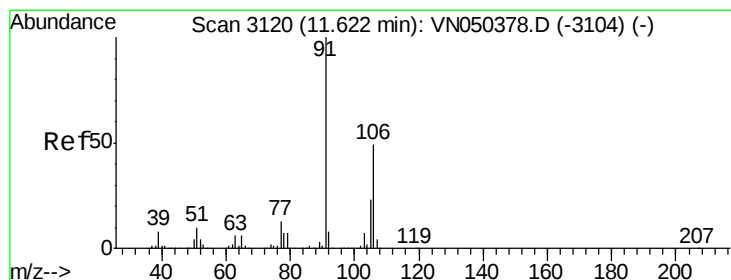
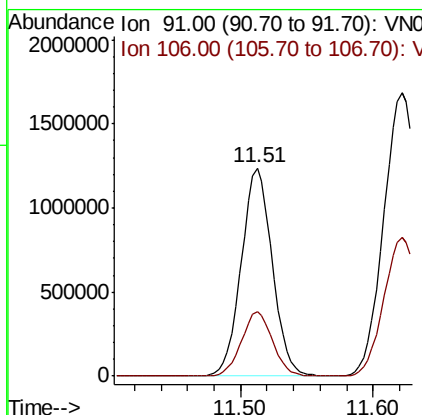
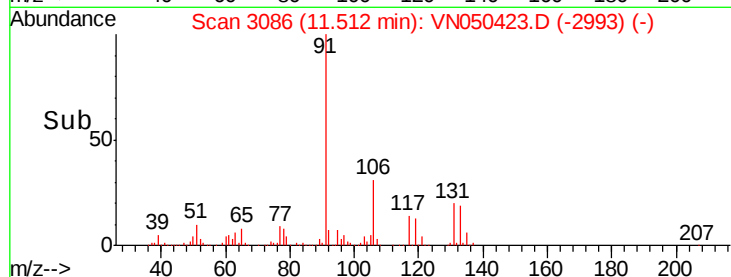
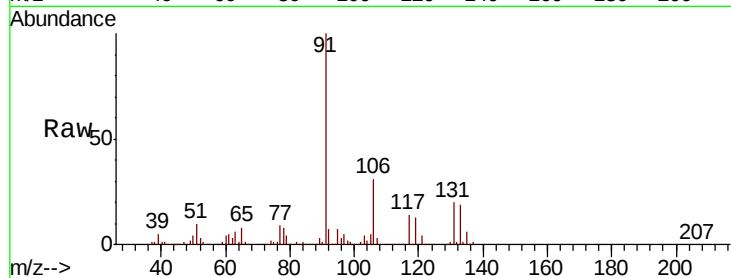
#67
Ethyl Benzene
Concen: 53.61 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 2004748
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4

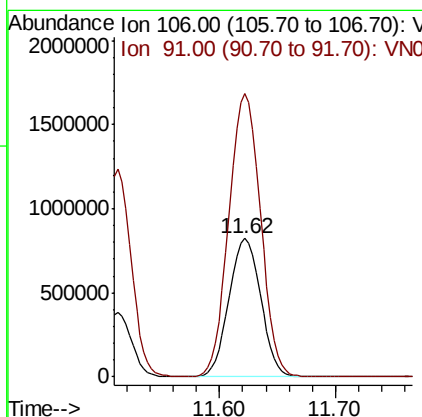
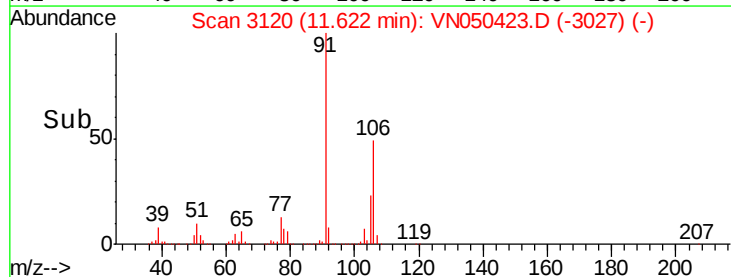
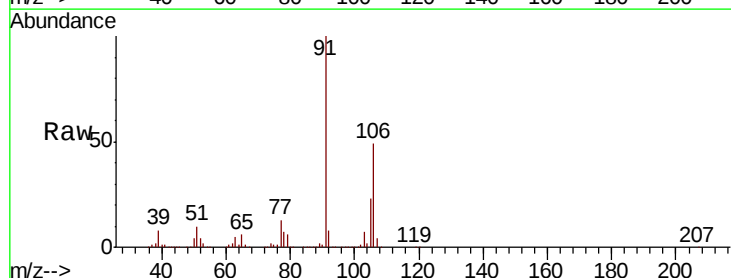
Manual Integrations
APPROVED

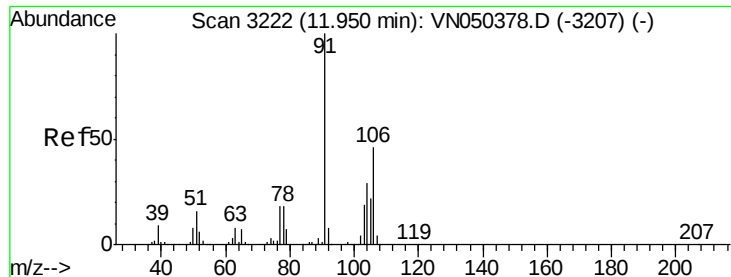
MMDadoda
8/8/2018 10:47:06 AM



#68
m/p-Xylenes
Concen: 109.92 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion: 106 Resp: 1564720
Ion Ratio Lower Upper
106 100
91 203.7 162.2 243.2





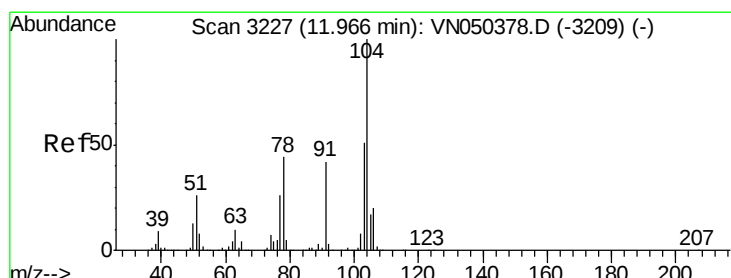
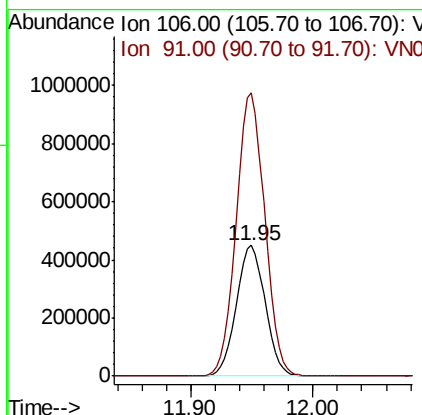
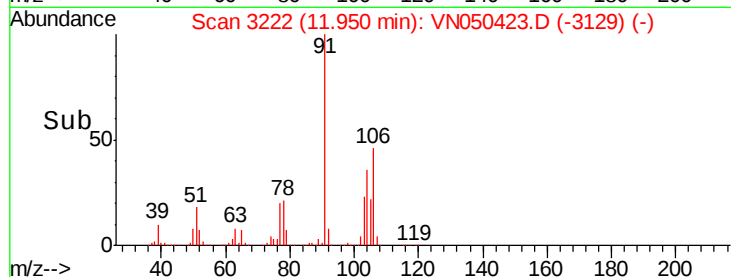
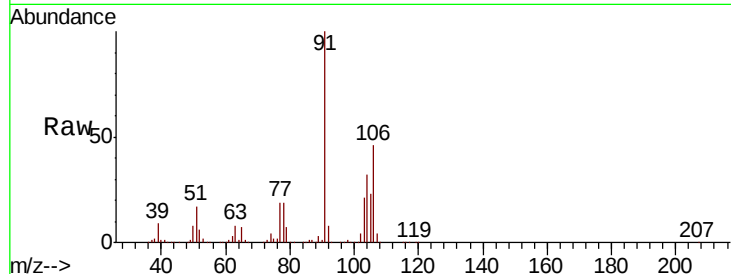
#69
o-Xylene
Concen: 53.47 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.7	107.7	323.1	

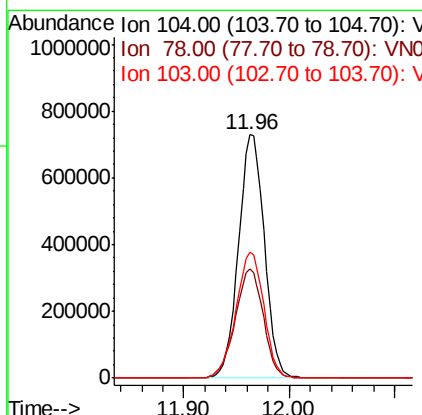
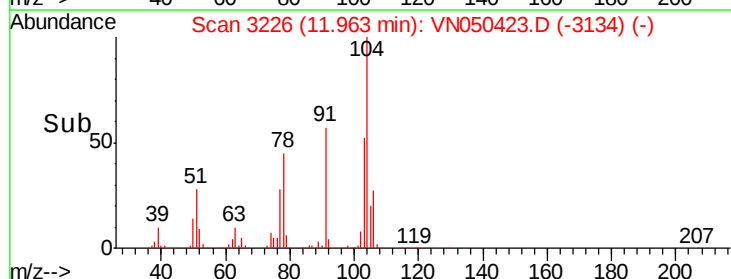
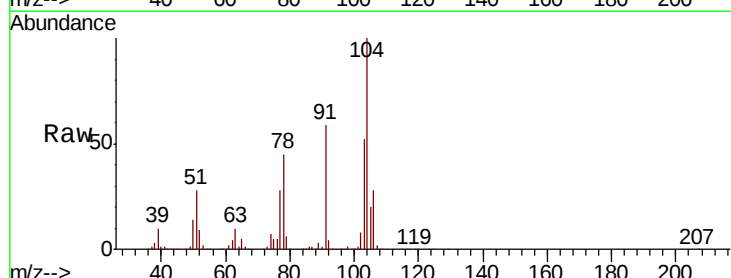
Manual Integrations
APPROVED

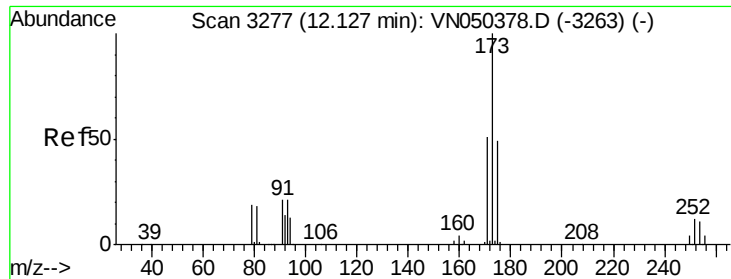
MMDadoda
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#70
Styrene
Concen: 55.66 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.6	39.3	58.9	
103	55.8	45.0	67.6	





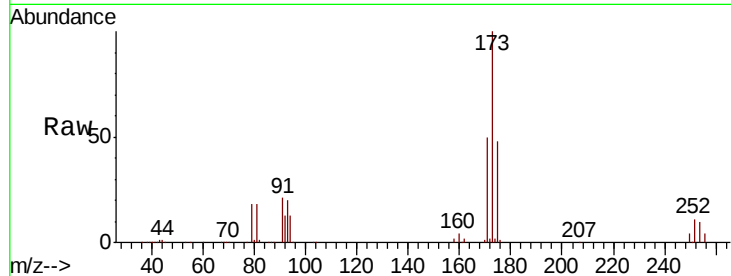
#71
Bromoform
Concen: 50.70 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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8/8/2018 10:47:06 AM

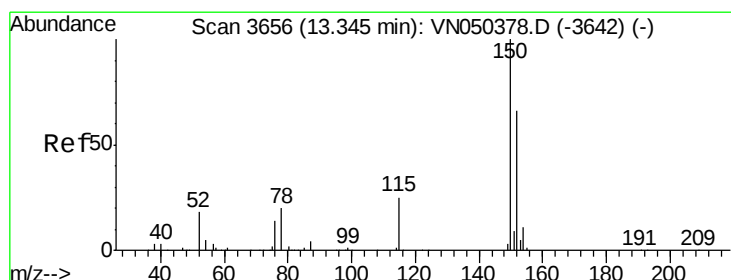
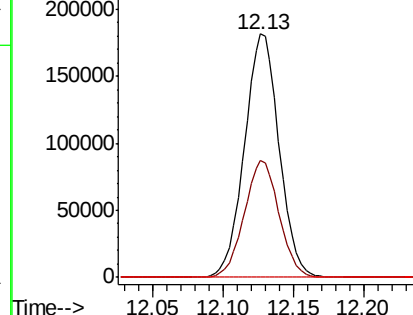
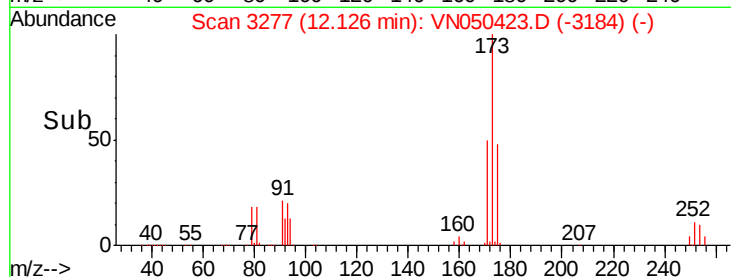


Abundance

Ion 172.70 (172.40 to 173.40): V

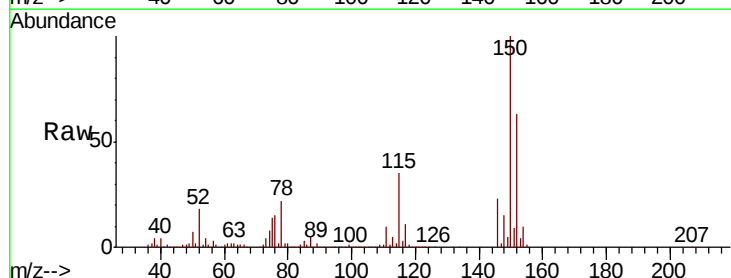
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.3
150	175.1	0.0	348.6

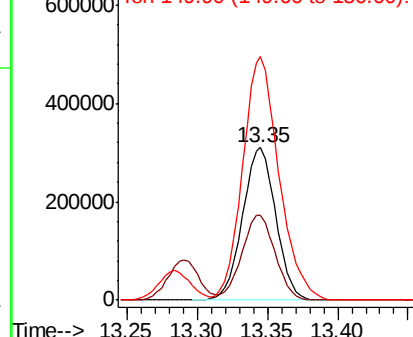
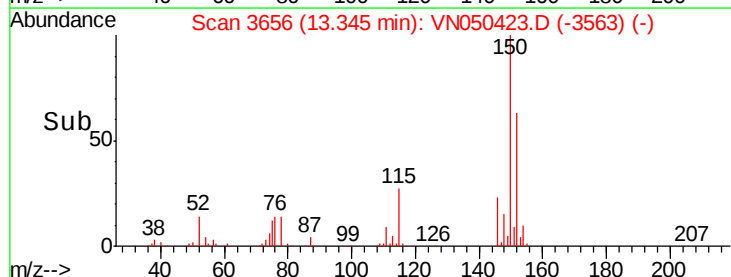


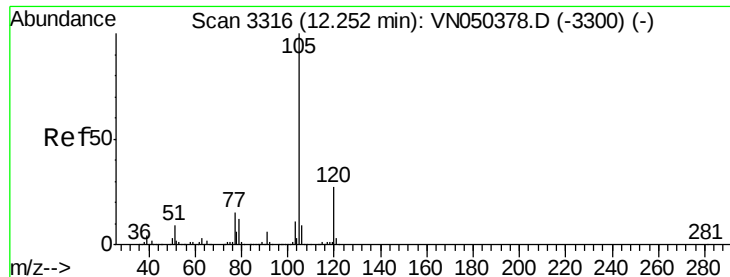
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.74 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1982817

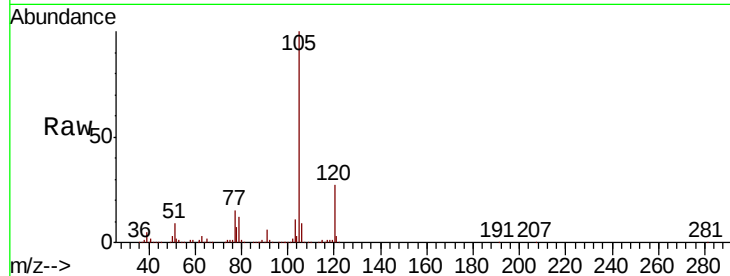
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

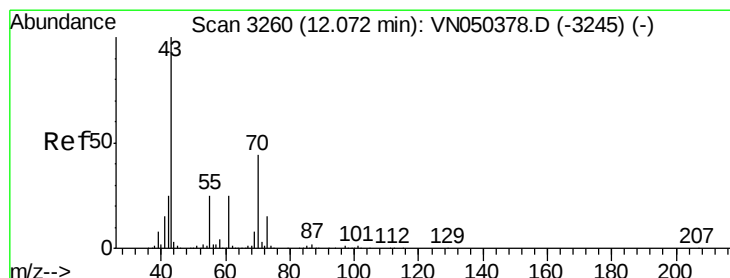
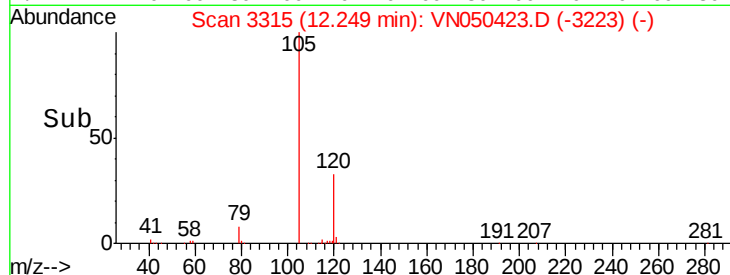
12.25

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 46.10 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Tgt Ion: 43 Resp: 572591

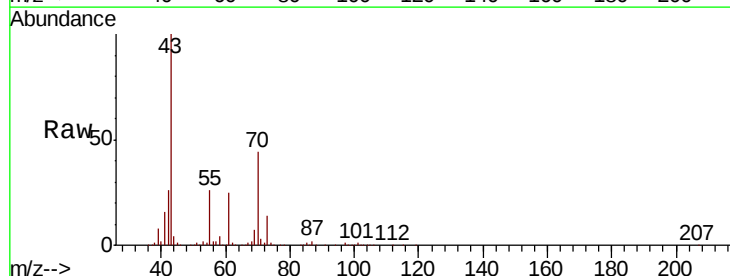
Ion Ratio Lower Upper

43 100

70 44.1 34.4 51.6

55 26.4 20.8 31.2

61 24.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

600000

500000

400000

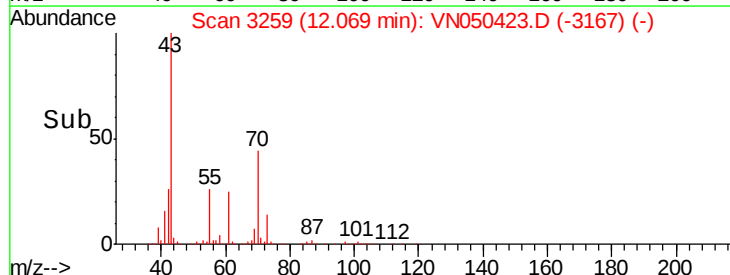
300000

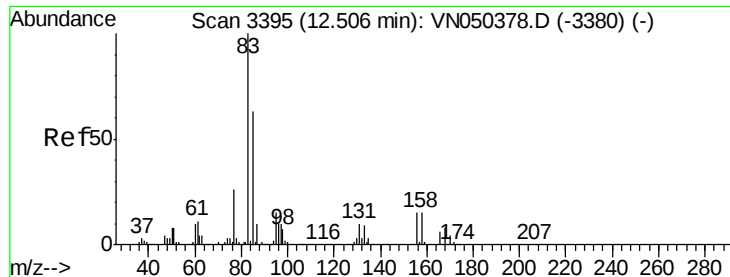
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.66 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

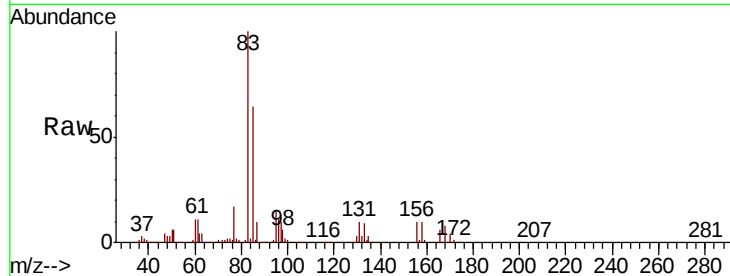
ClientSampleId :

VSTDCCC050

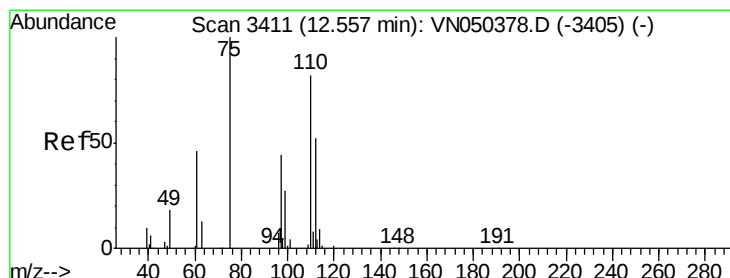
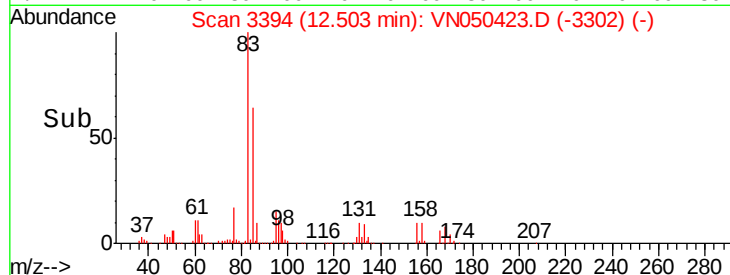
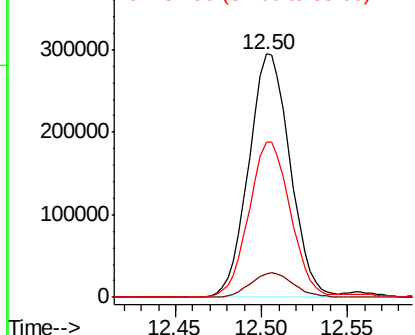
Tot Ion:	83	Resp:	493781
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	64.0	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 44.75 ug/l m

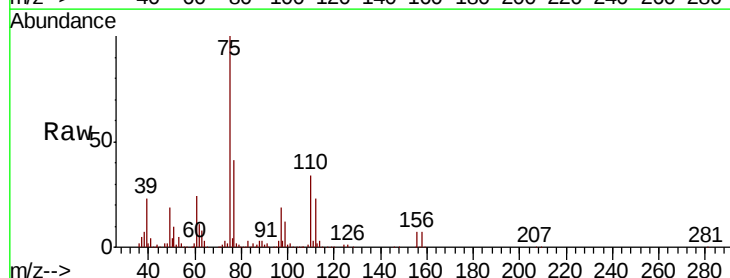
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

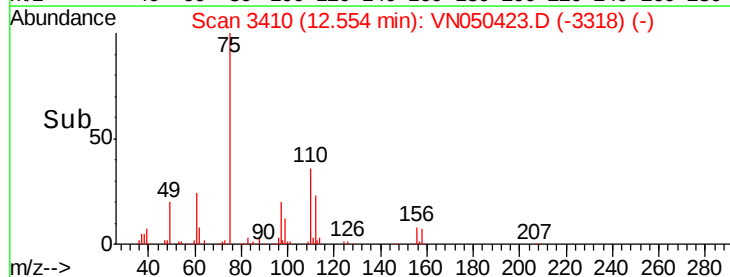
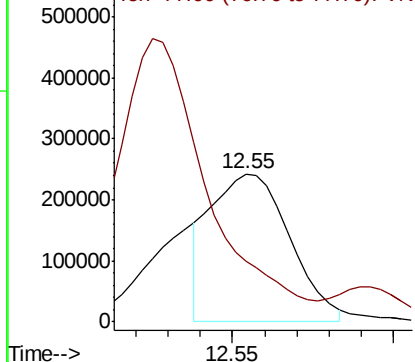
Lab File: VN050423.D

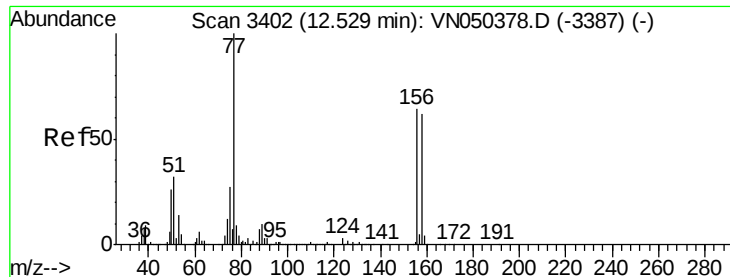
Acq: 7 Aug 2018 11:38

Tgt Ion:	75	Resp:	413528
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.62 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

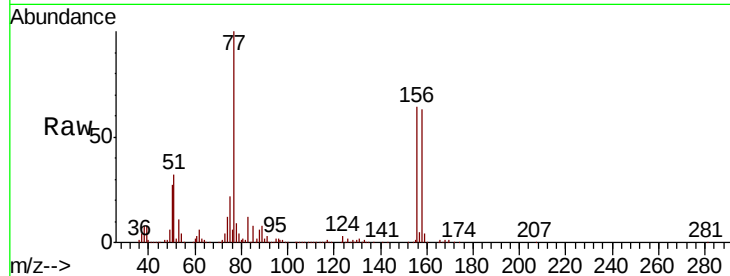
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		509406		
77	180.9	91.7	275.1		
158	97.5	48.9	146.6		

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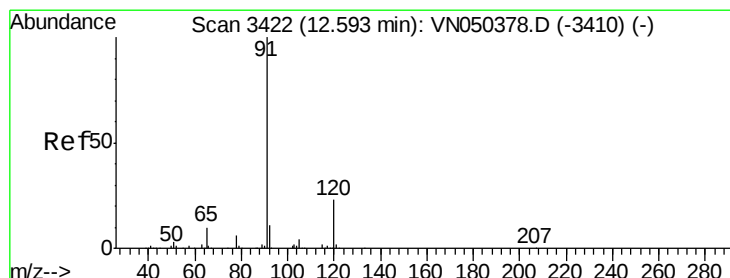
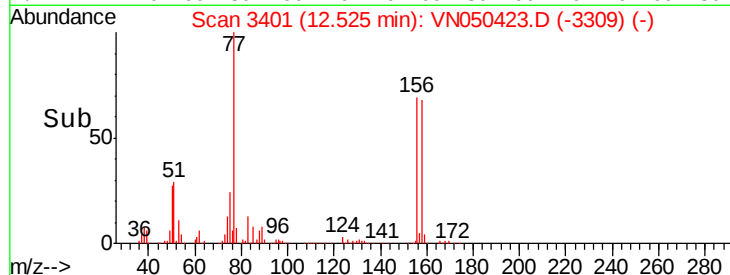
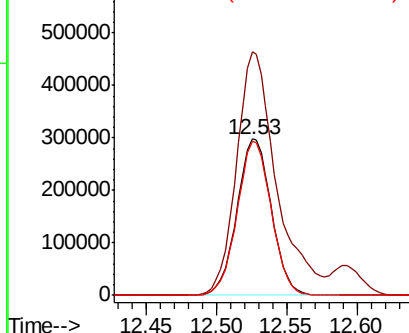


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.21 ug/l

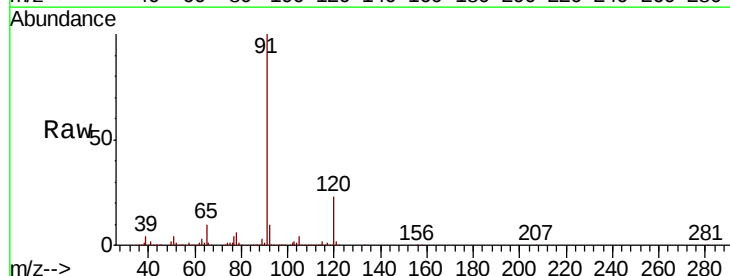
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

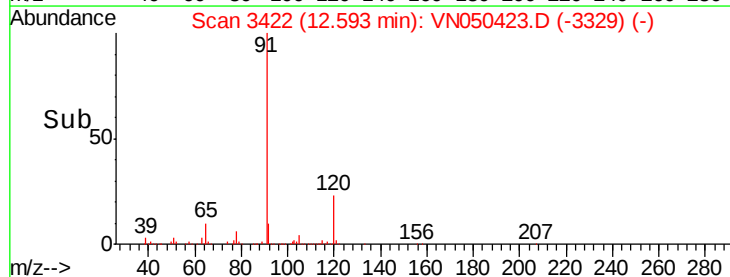
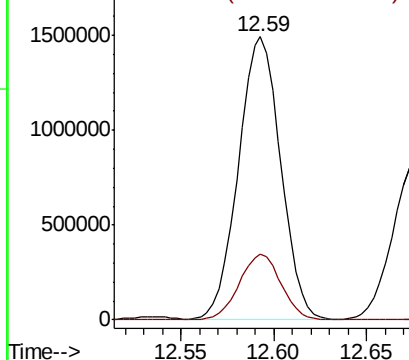
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2351464		
120	23.1	11.6	34.7		

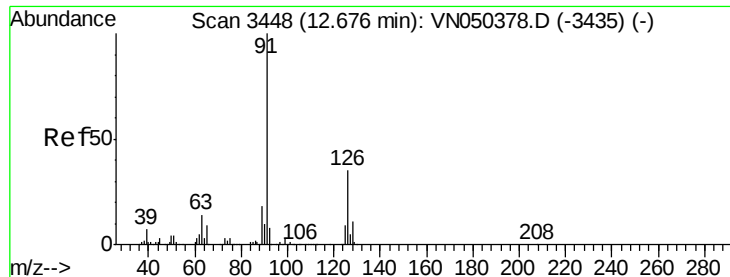


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.70 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1358190

Ion Ratio Lower Upper

91 100

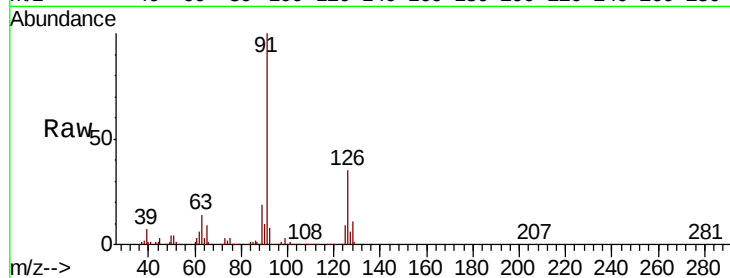
126 34.9 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN050423.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN050423.D (-3355) (-)

1500000

1000000

500000

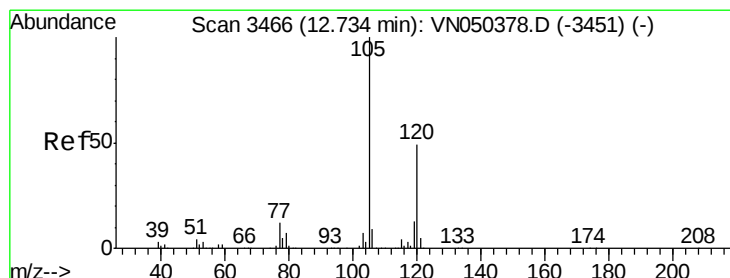
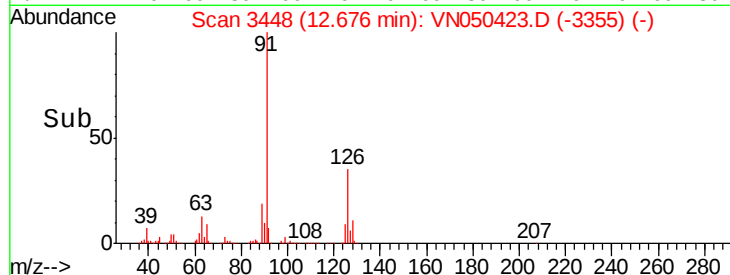
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.99 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050423.D

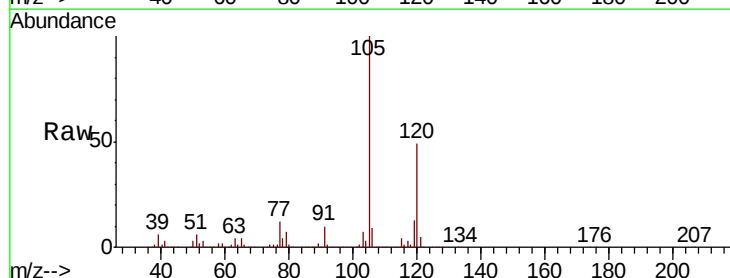
Acq: 7 Aug 2018 11:38

Tgt Ion:105 Resp: 1679386

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050423.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN050423.D (-3373) (-)

1200000

1000000

800000

600000

400000

200000

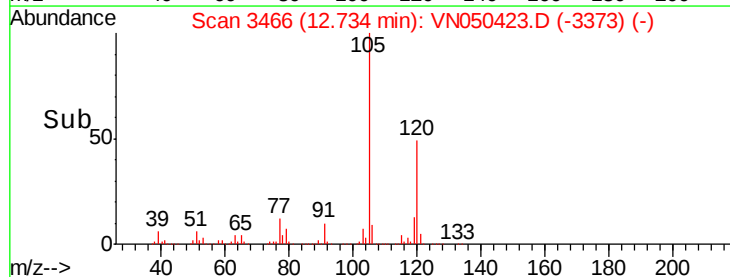
0

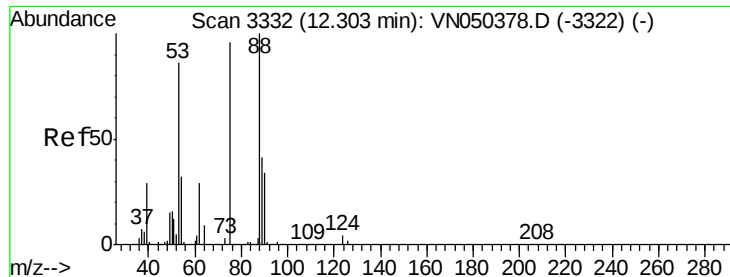
12.73

12.70

12.80

Time-->





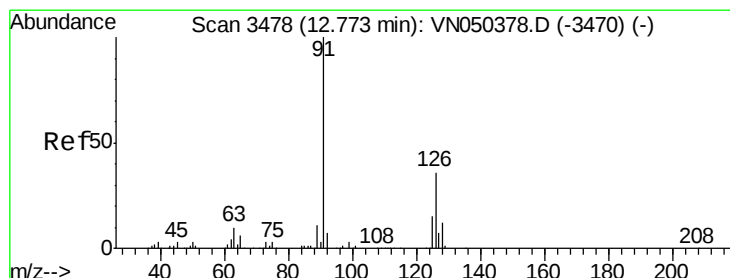
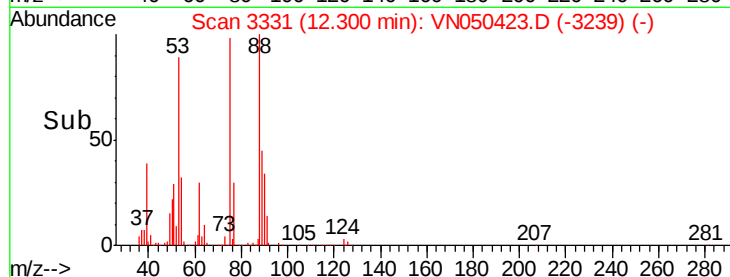
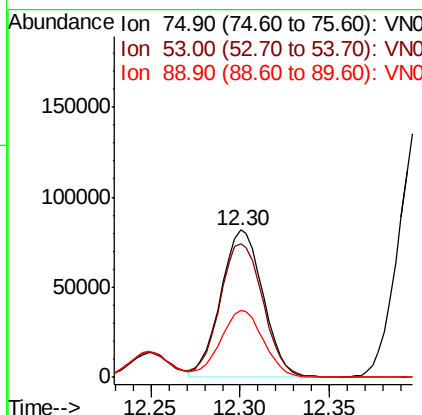
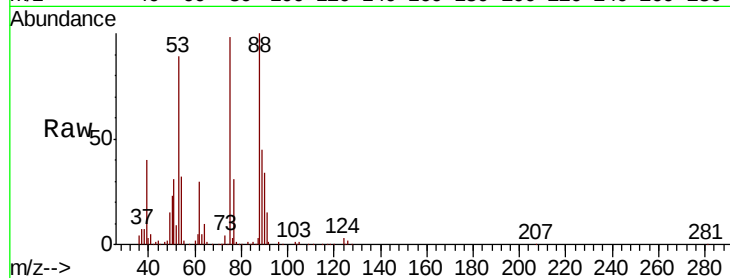
#81
trans-1,4-Dichloro-2-butene
Concen: 50.81 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	73.5	110.3
89	46.6	36.0	54.0

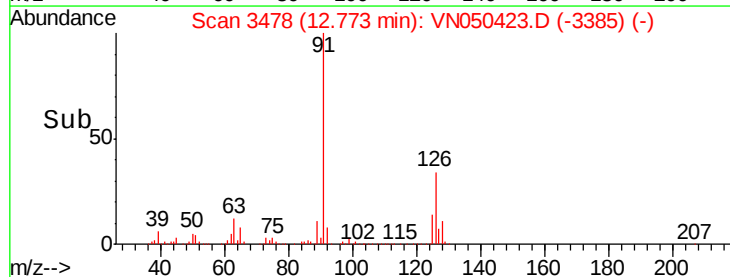
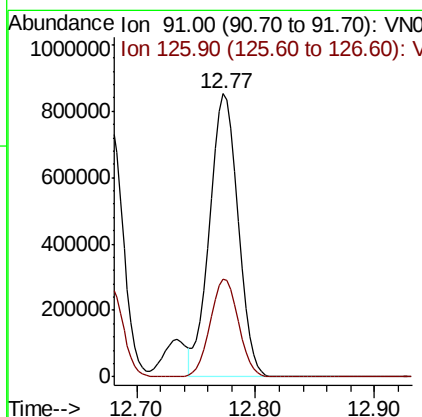
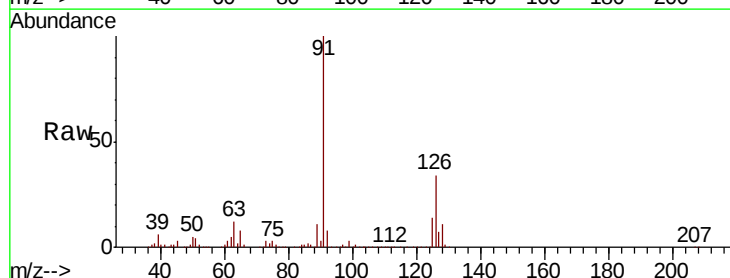
Manual Integrations
APPROVED

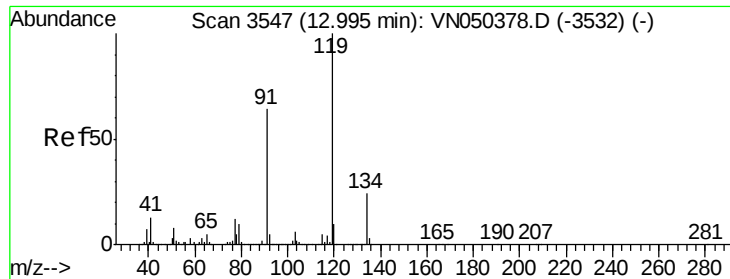
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#82
4-Chlorotoluene
Concen: 52.86 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0





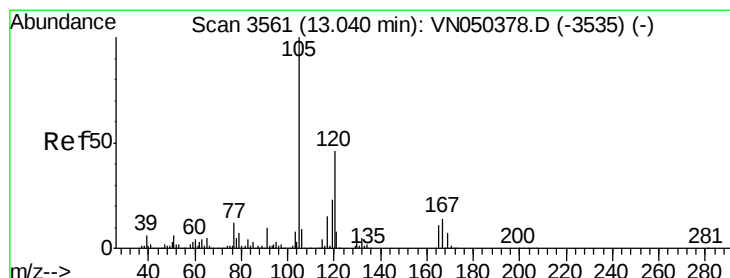
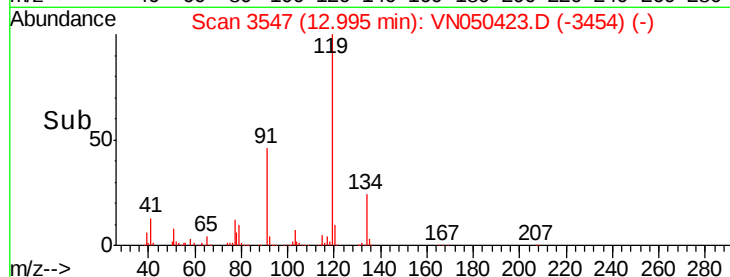
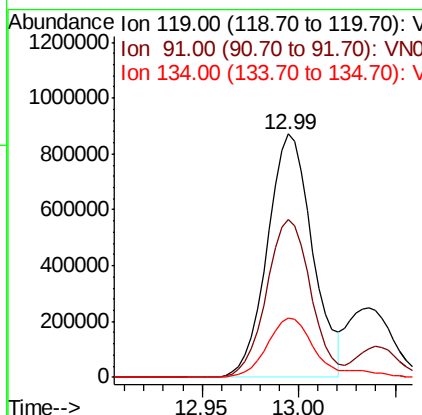
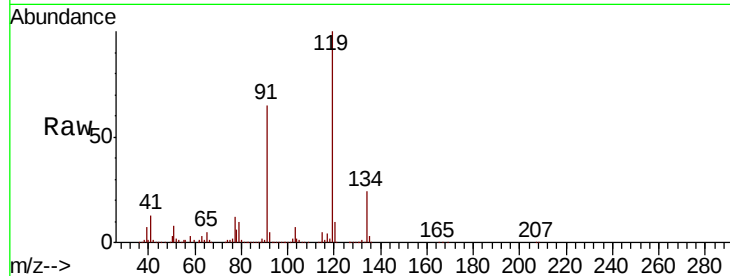
#83
 tert-Butylbenzene
 Concen: 52.03 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.1	96.3
134	26.6	13.2	39.5

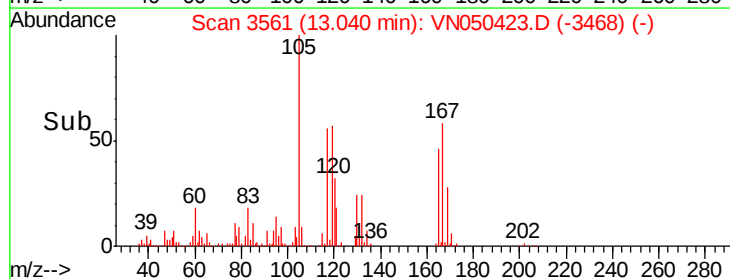
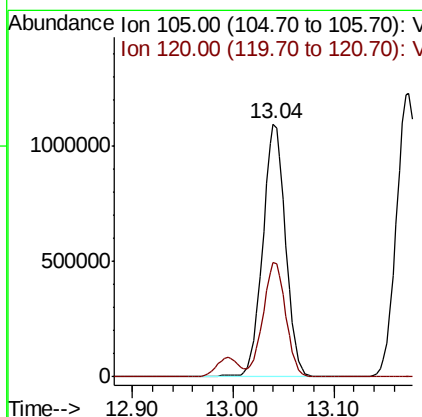
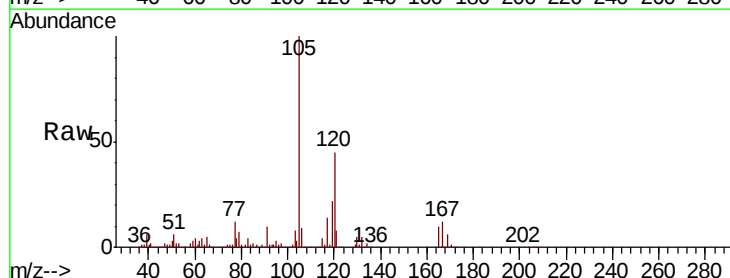
Manual Integrations
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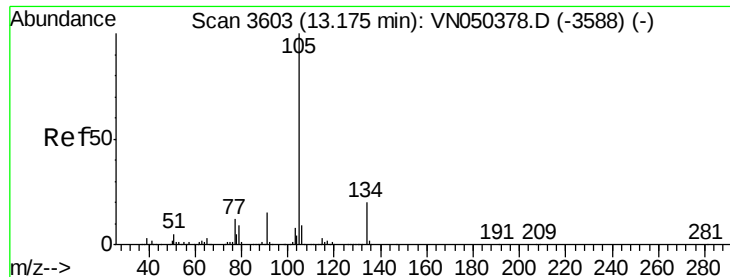
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.51 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.7





#85

sec-Butylbenzene

Concen: 53.30 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1927695

Ion Ratio Lower Upper

105 100

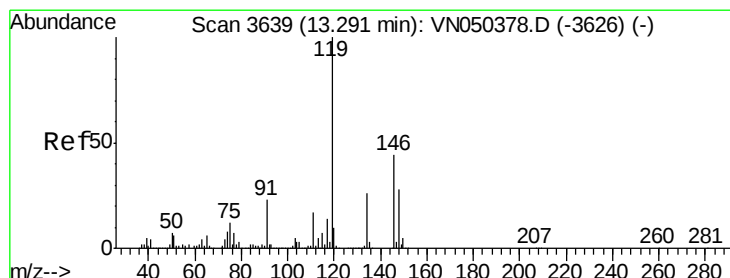
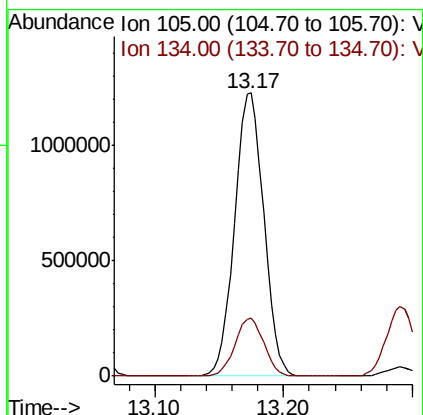
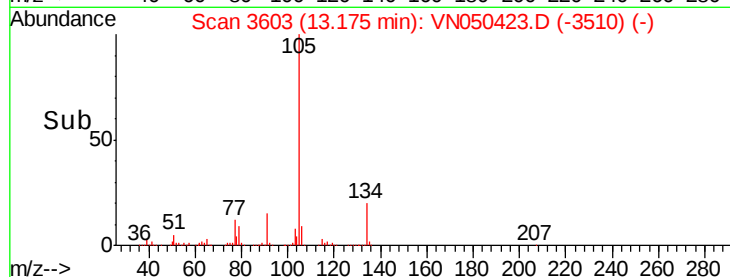
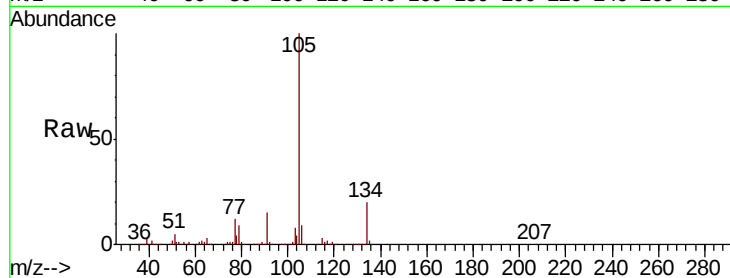
134 20.4 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 55.22 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

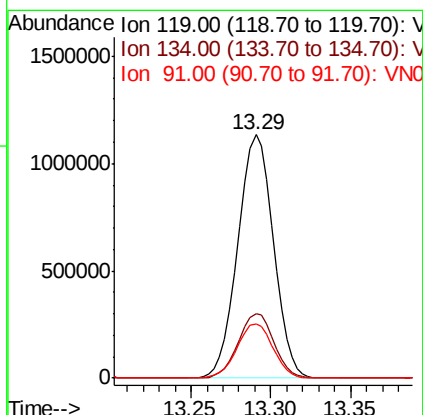
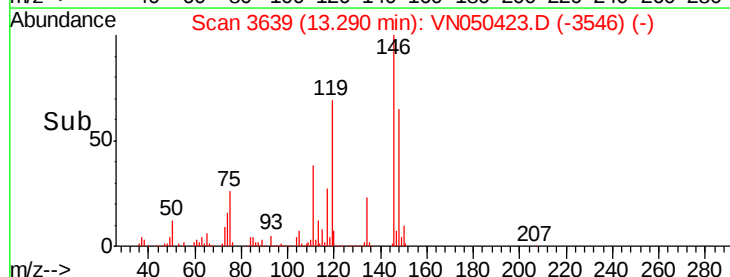
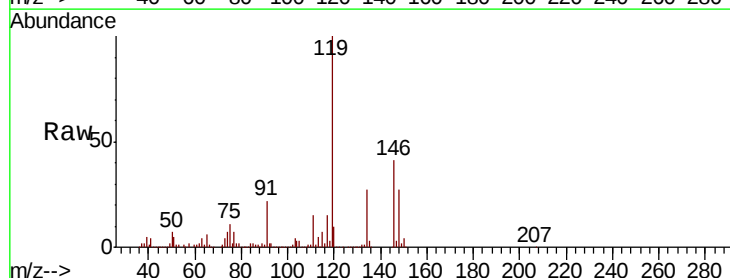
Tgt Ion:119 Resp: 1711526

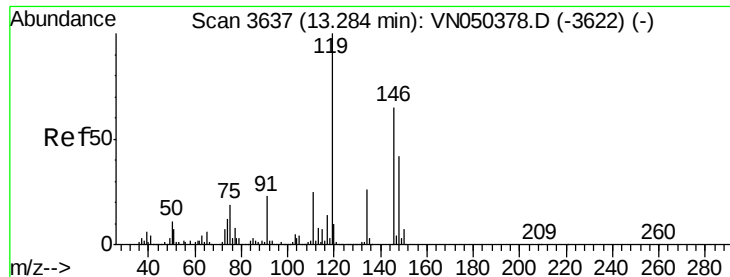
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 50.56 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Instrument :

MSVOA_N

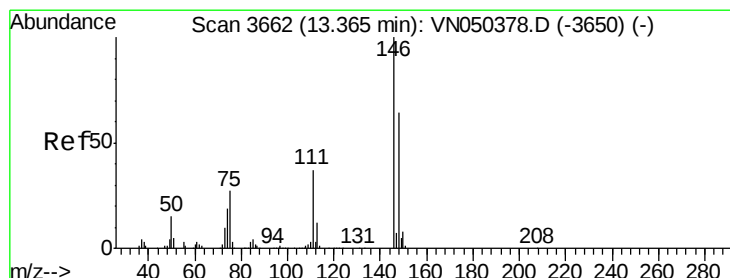
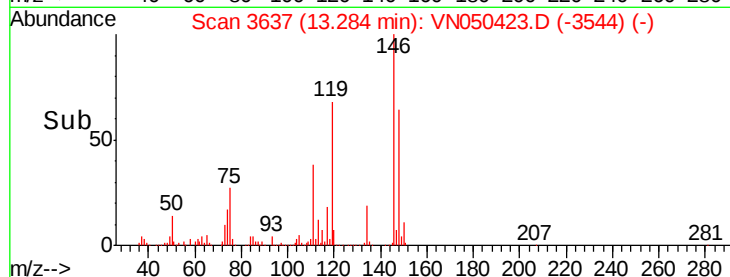
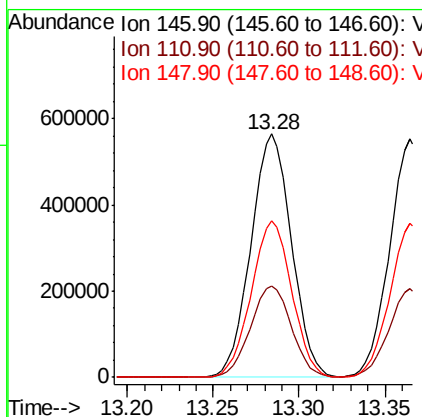
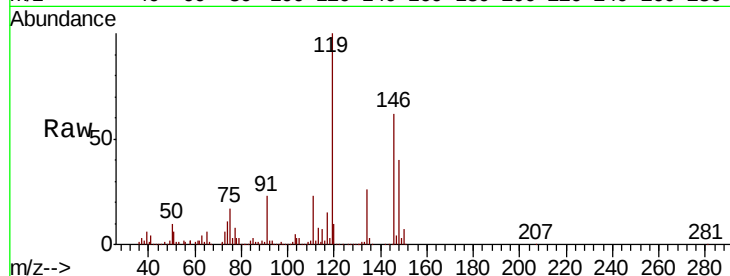
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	924490
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.8	56.4
148	64.0	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.47 ug/l

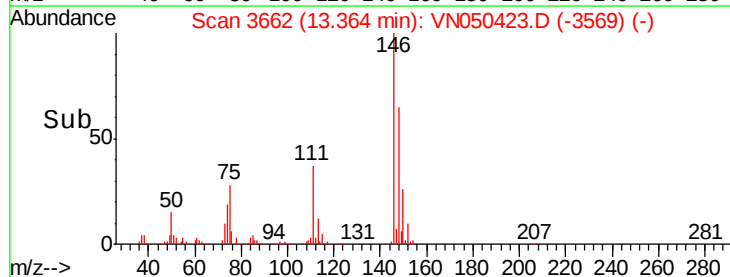
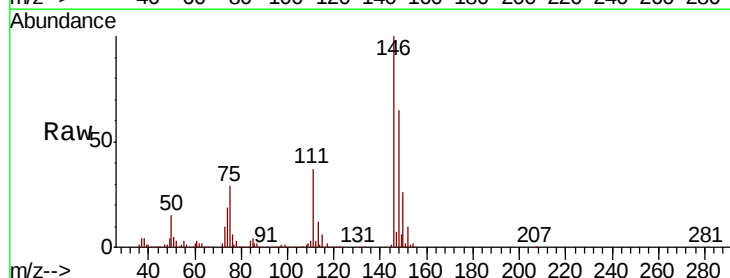
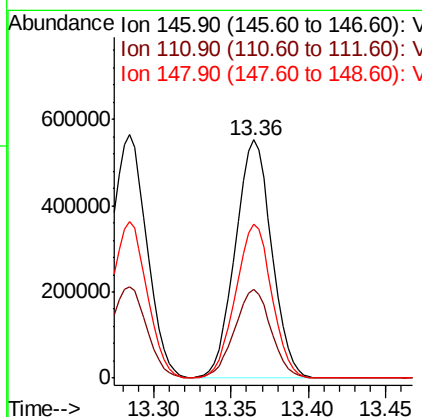
RT: 13.36 min Scan# 3662

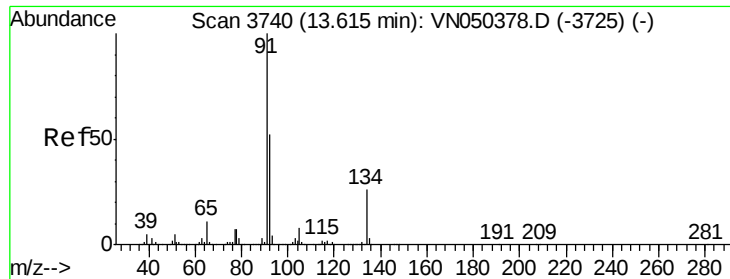
Delta R.T. -0.00 min

Lab File: VN050423.D

Acq: 7 Aug 2018 11:38

Tgt Ion:	146	Resp:	903227
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.3	54.9
148	64.5	31.9	95.9





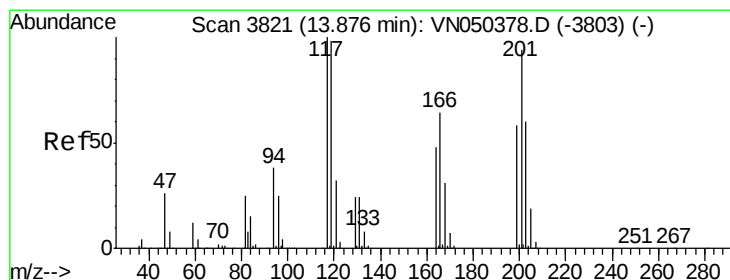
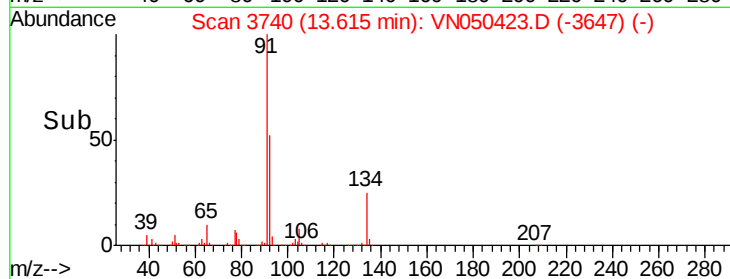
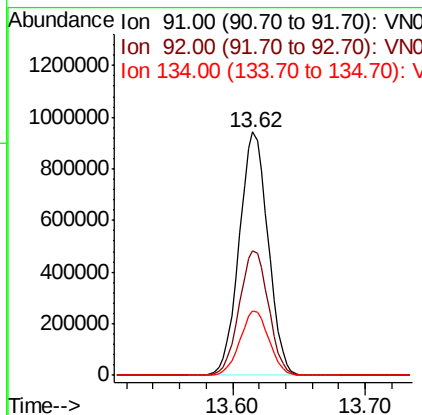
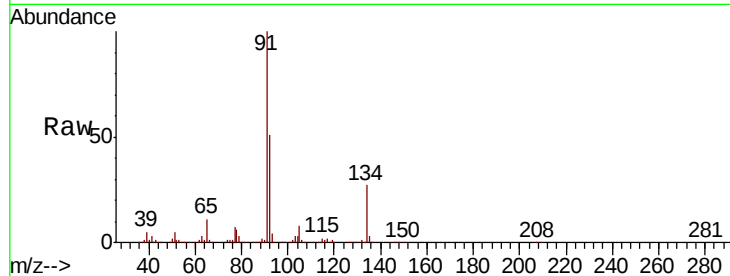
#89
n-Butylbenzene
Concen: 53.96 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.8	77.4
134	26.5	12.8	38.4

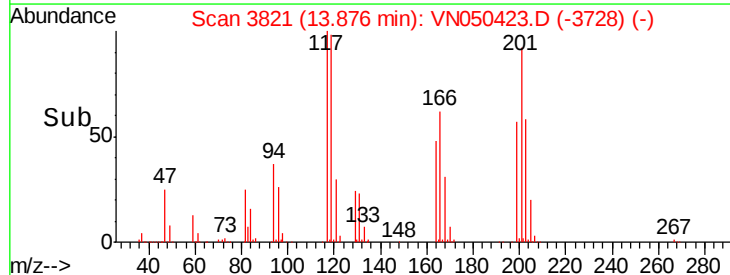
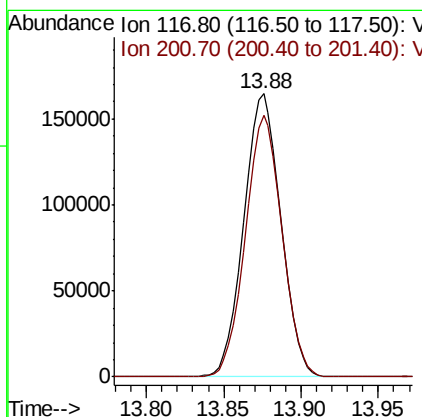
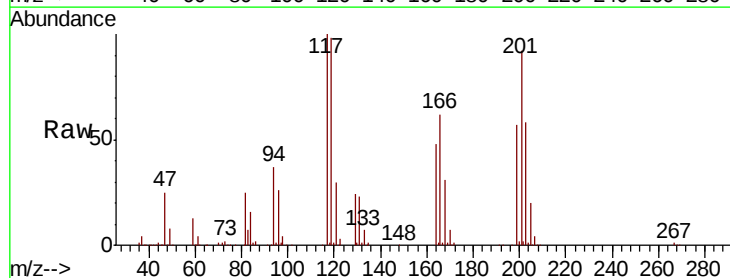
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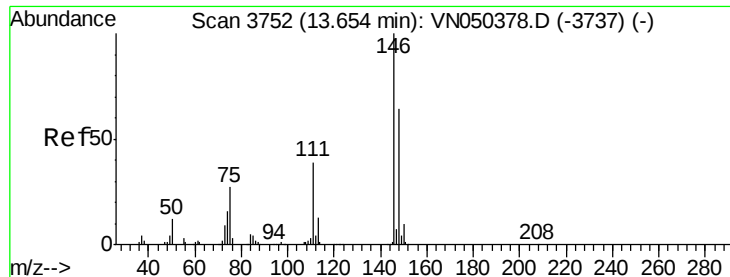
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#90
Hexachloroethane
Concen: 49.96 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	45.6	136.8





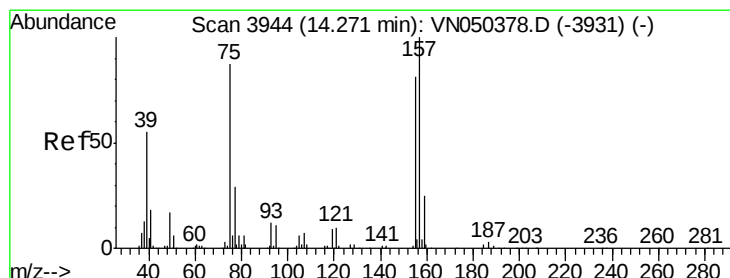
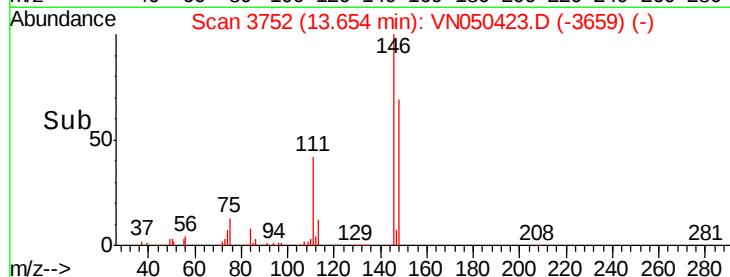
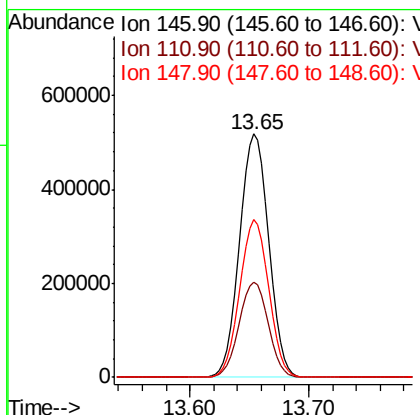
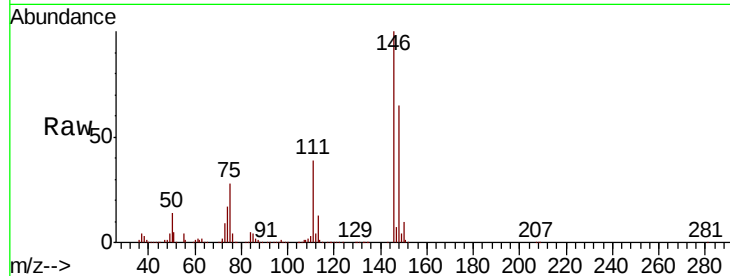
#91
 1,2-Dichlorobenzene
 Concen: 48.06 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.3	32.1	96.3

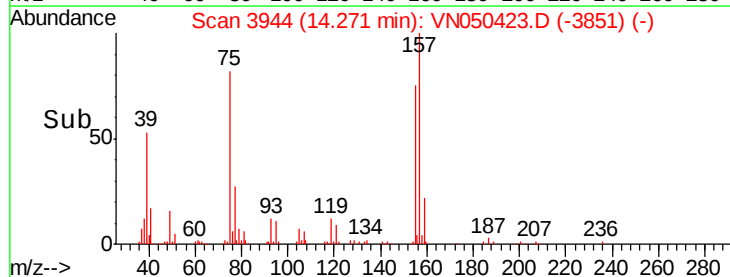
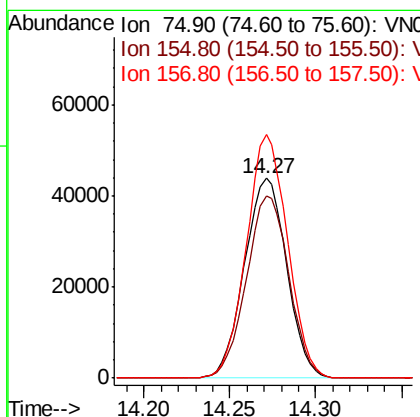
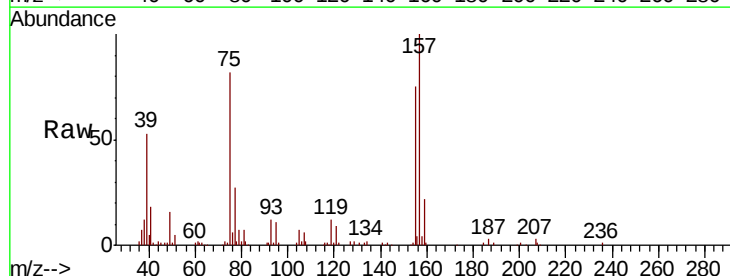
Manual Integrations
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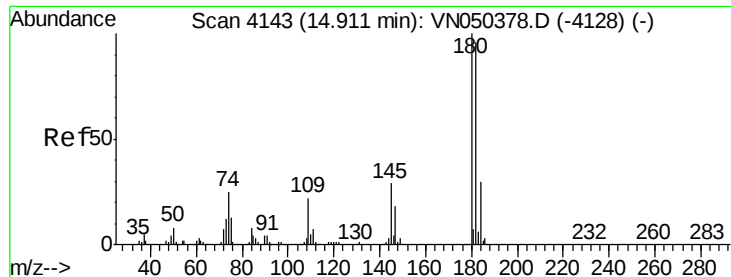
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.87 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	44.8	134.4
157	118.5	57.2	171.6





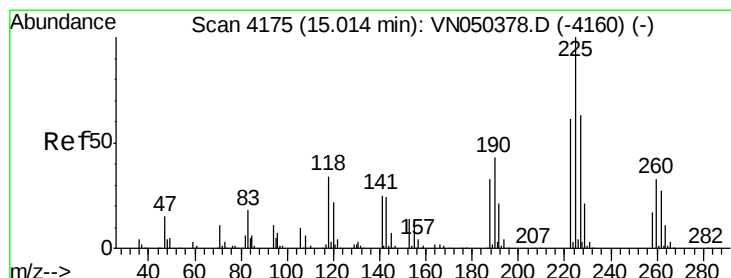
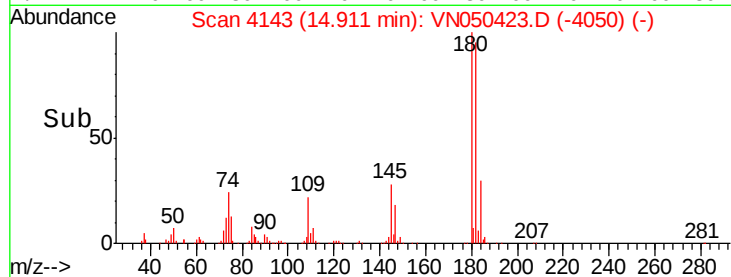
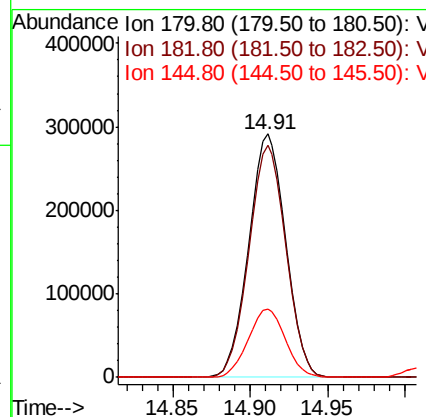
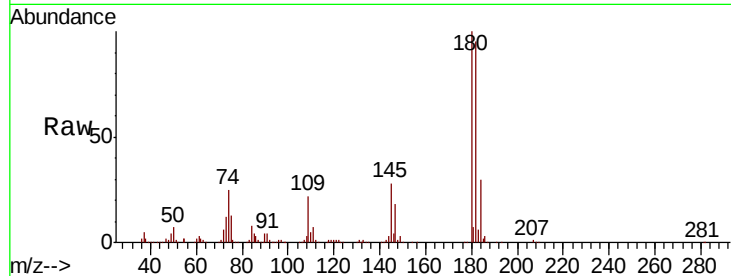
#93
 1,2,4-Trichlorobenzene
 Concen: 51.91 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	46.7	140.1	
145	28.4	13.8	41.4	

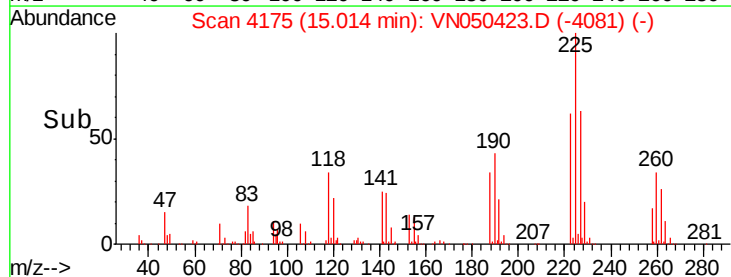
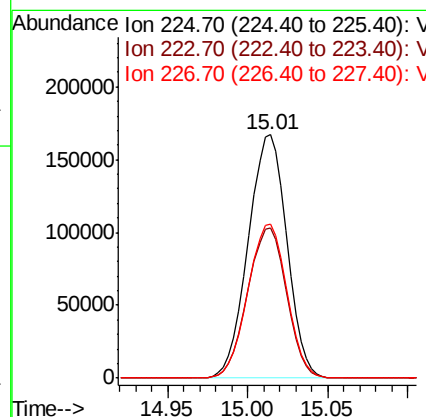
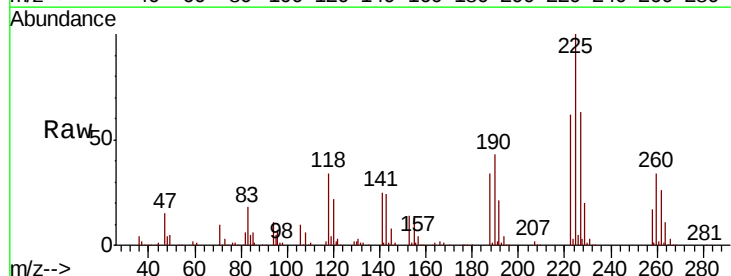
Manual Integrations
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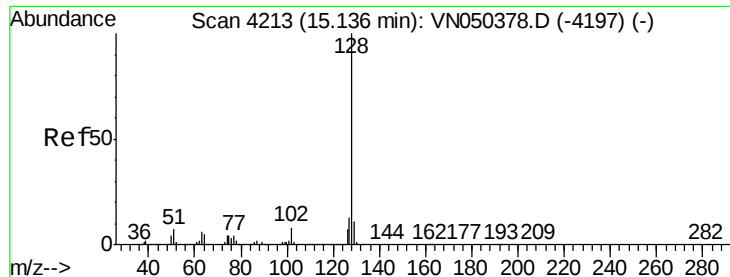
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#94
 Hexachlorobutadiene
 Concen: 54.28 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050423.D
 Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.4	94.2	
227	63.8	32.1	96.5	





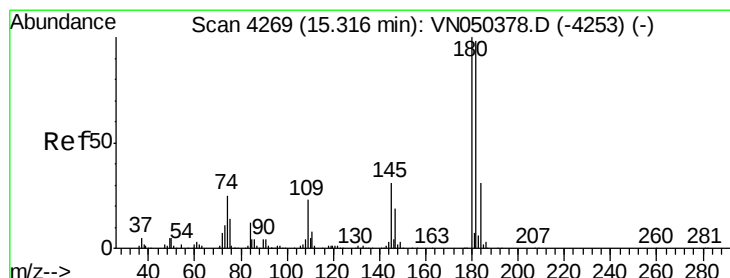
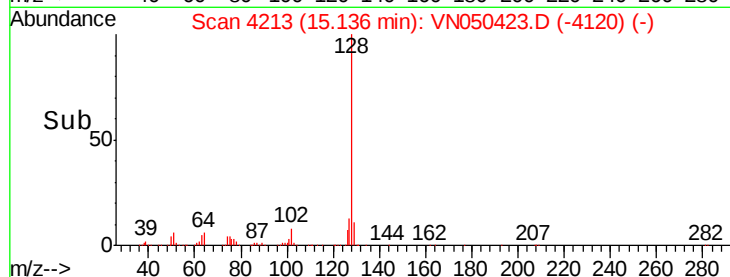
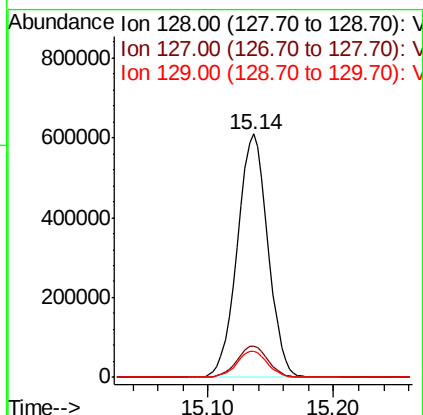
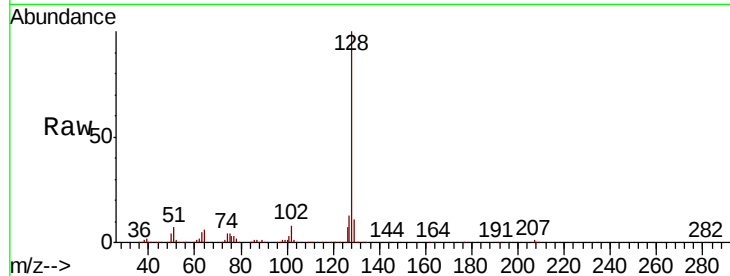
#95
Naphthalene
Concen: 42.26 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.55 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050423.D
Acq: 7 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.4
145	30.4	15.3	45.9

