

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050400.D
 Acq On : 6 Aug 2018 22:29
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:59:07 AM

Quant Time: Aug 07 07:27:40 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	667124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	962930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	892098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	483079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	442037	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	7.59	113	393650	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.09	98	1481419	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	494540	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	356505	48.14	ug/l	98
3) Chloromethane	2.06	50	432906	49.46	ug/l	100
4) Vinyl Chloride	2.18	62	465732	48.59	ug/l	99
5) Bromomethane	2.56	94	240743	51.79	ug/l	99
6) Chloroethane	2.70	64	284052	48.09	ug/l	99
7) Trichlorofluoromethane	3.01	101	605594	48.92	ug/l	99
8) Diethyl Ether	3.41	74	220560	48.58	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	370785	48.47	ug/l	99
10) Methyl Iodide	3.95	142	212106	62.93	ug/l	99
11) Tert butyl alcohol	4.80	59	172696	241.18	ug/l	100
12) 1,1-Dichloroethene	3.73	96	345485	47.90	ug/l	98
13) Acrolein	3.61	56	222750	239.75	ug/l	96
14) Allyl chloride	4.32	41	538917	46.53	ug/l	98
15) Acrylonitrile	4.99	53	766438	255.54	ug/l	100
16) Acetone	3.82	43	702916	264.46	ug/l	98
17) Carbon Disulfide	4.05	76	1037989	44.26	ug/l	100
18) Methyl Acetate	4.33	43	353114	51.13	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1031827	50.40	ug/l	100
20) Methylene Chloride	4.55	84	403699	49.65	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	375043	48.05	ug/l	99
22) Diisopropyl ether	5.96	45	1216148	51.40	ug/l	99
23) Vinyl Acetate	5.90	43	4406086	261.00	ug/l	100
24) 1,1-Dichloroethane	5.85	63	702482	48.39	ug/l	99
25) 2-Butanone	6.84	43	1145322	259.31	ug/l	99
26) 2,2-Dichloropropane	6.83	77	476578	39.82	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	424304	49.05	ug/l	98
28) Bromochloromethane	7.20	49	337283	50.47	ug/l	99
29) Tetrahydrofuran	7.22	42	609607	257.86	ug/l	100
30) Chloroform	7.37	83	712284	49.08	ug/l	99
31) Cyclohexane	7.66	56	617397	48.30	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	617947	49.58	ug/l	100
36) 1,1-Dichloropropene	7.80	75	536887	50.74	ug/l	100
37) Ethyl Acetate	6.94	43	402332	52.81	ug/l	99
38) Carbon Tetrachloride	7.78	117	541754	49.08	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	578889	50.13	ug/l	100
40) Benzene	8.04	78	1644333	50.55	ug/l	99
41) Methacrylonitrile	7.18	41	166859	41.18	ug/l	96
42) 1,2-Dichloroethane	8.13	62	528156	51.15	ug/l	99
43) Isopropyl Acetate	8.17	43	708897	53.90	ug/l #	89
44) Trichloroethene	8.84	130	421905	48.27	ug/l	99
45) 1,2-Dichloropropane	9.12	63	437274	51.13	ug/l	97
46) Dibromomethane	9.21	93	271854	51.48	ug/l	99
47) Bromodichloromethane	9.41	83	557098	50.93	ug/l	99
48) Methyl methacrylate	9.20	41	353206	53.58	ug/l	99
49) 1,4-Dioxane	9.20	88	104061	1024.07	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2580411	272.41	ug/l	100
52) Toluene	10.16	92	1017621	52.08	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	557759	50.79	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	627147	51.17	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	391638	51.34	ug/l	99
56) Ethyl methacrylate	10.43	69	529018	49.04	ug/l	98
57) 1,3-Dichloropropane	10.71	76	643715	51.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1257169	249.86	ug/l	100
59) 2-Hexanone	10.75	43	1792450	271.14	ug/l	99
60) Dibromochloromethane	10.90	129	436454	51.94	ug/l	99
61) 1,2-Dibromoethane	11.01	107	387594	51.55	ug/l	99
64) Tetrachloroethene	10.63	164	414723	49.75	ug/l	99
65) Chlorobenzene	11.44	112	1101081	49.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	415928	51.10	ug/l	100
67) Ethyl Benzene	11.51	91	1897138	52.48	ug/l	100
68) m/p-Xylenes	11.62	106	1485207	107.91	ug/l	99
69) o-Xylene	11.95	106	699634	52.77	ug/l	100
70) Styrene	11.97	104	1180113	54.74	ug/l	100
71) Bromoform	12.13	173	315450	53.03	ug/l #	99
73) Isopropylbenzene	12.25	105	1855167	51.16	ug/l	100
74) N-amyl acetate	12.07	43	615722	52.38	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	521485	49.84	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	411933m	47.11	ug/l	
77) Bromobenzene	12.53	156	486581	50.09	ug/l	99
78) n-propylbenzene	12.59	91	2165677	52.76	ug/l	100
79) 2-Chlorotoluene	12.68	91	1280388	50.51	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1557587	52.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	137938	55.43	ug/l	100
82) 4-Chlorotoluene	12.77	91	1300649	51.45	ug/l	100
83) tert-Butylbenzene	12.99	119	1313793	51.16	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1601197	53.70	ug/l	99
85) sec-Butylbenzene	13.17	105	1760434	51.43	ug/l	100
86) p-Isopropyltoluene	13.29	119	1544737	52.66	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	857845	49.58	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	841563	48.70	ug/l	100
89) n-Butylbenzene	13.62	91	1257811	50.37	ug/l	99
90) Hexachloroethane	13.88	117	266057	51.01	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	838291	48.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83715	47.13	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	437048	49.47	ug/l	97
94) Hexachlorobutadiene	15.01	225	242211	50.20	ug/l	98
95) Naphthalene	15.14	128	1070139	46.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	439092	49.16	ug/l	99

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

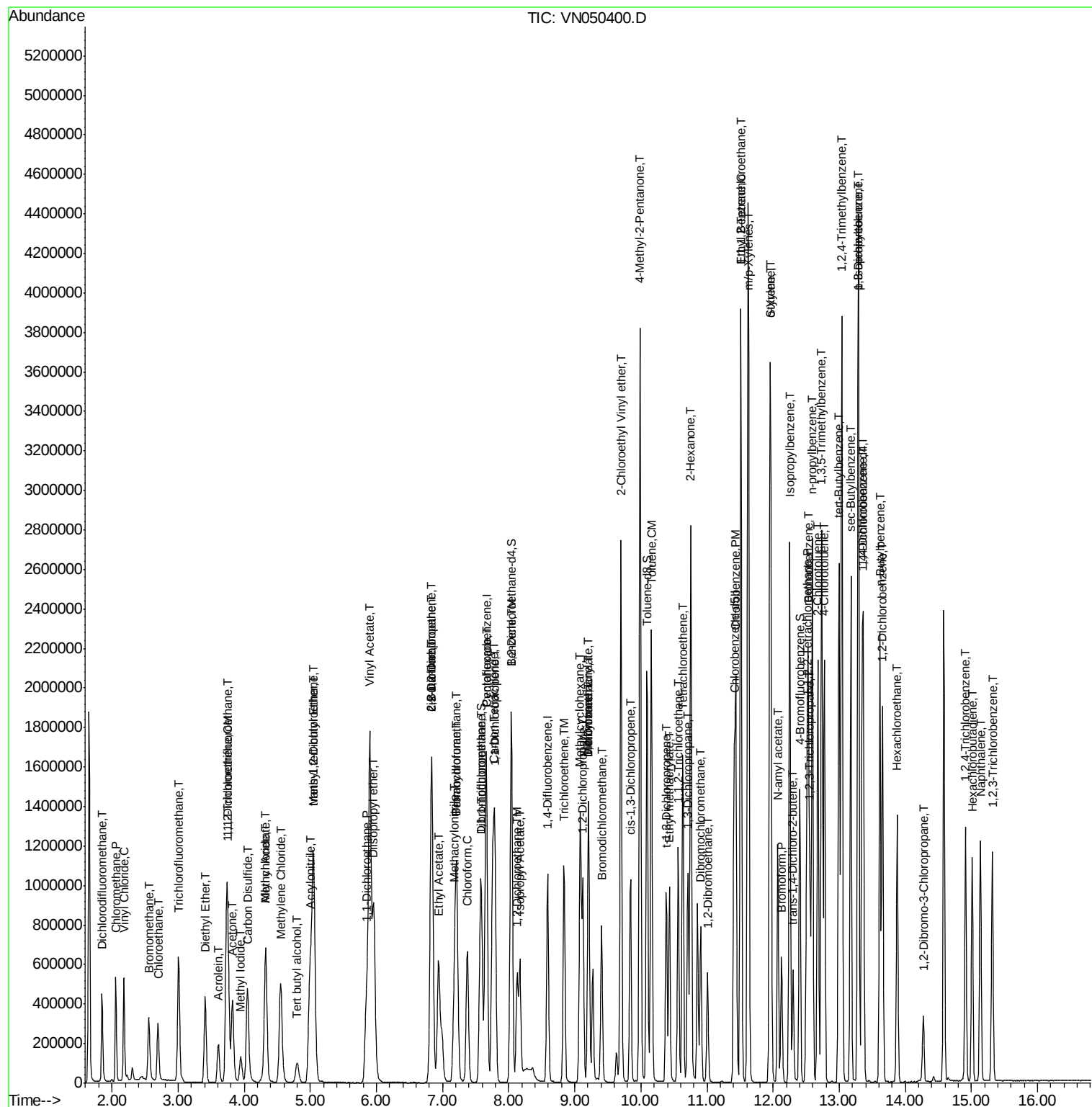
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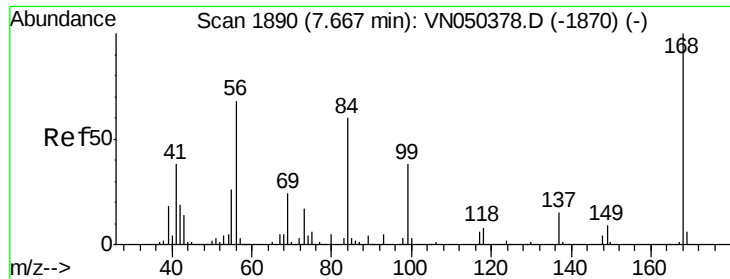
Instrument :
MSVOA_N
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 667124

Ion Ratio Lower Upper

168 100

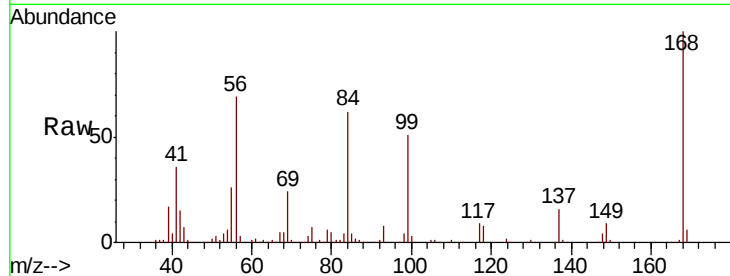
99 50.5 40.0 60.0

Manual Integrations

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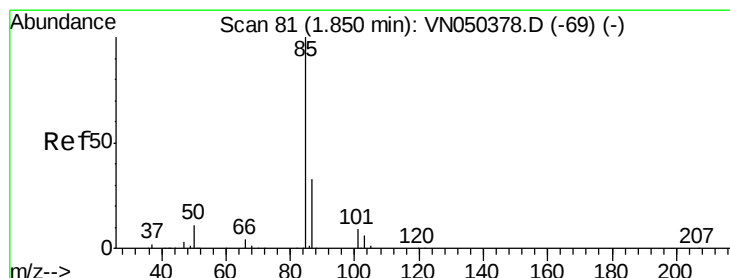
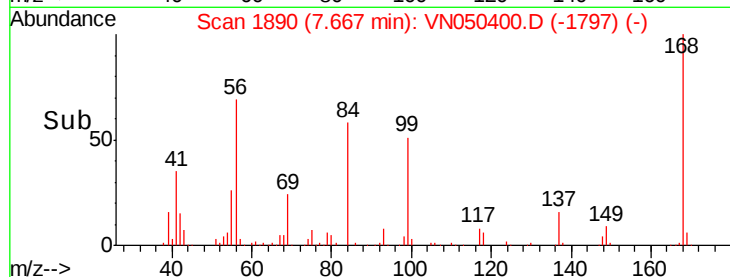
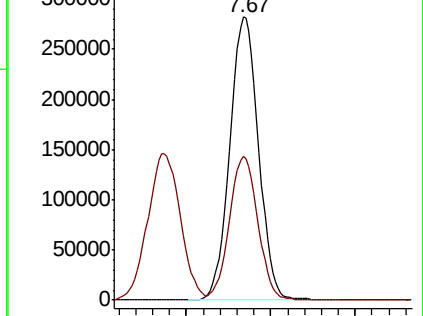
MMDadoda

8/7/2018 9:59:07 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.14 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050400.D

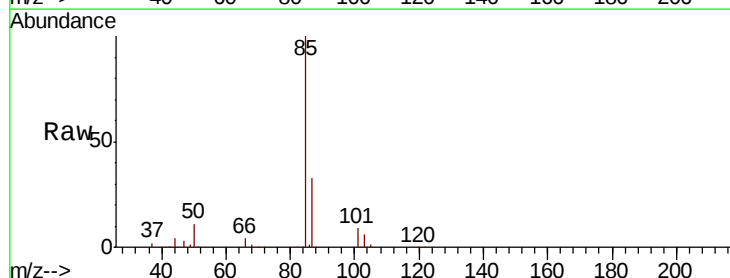
Acq: 6 Aug 2018 22:29

Tgt Ion: 85 Resp: 356505

Ion Ratio Lower Upper

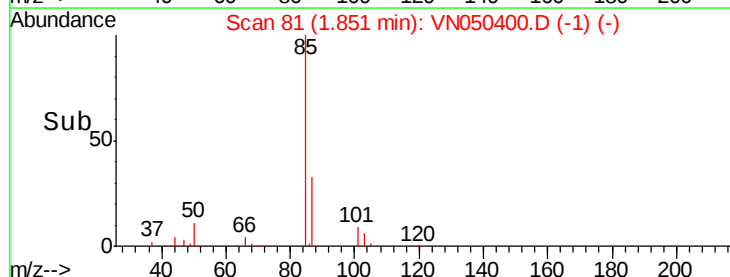
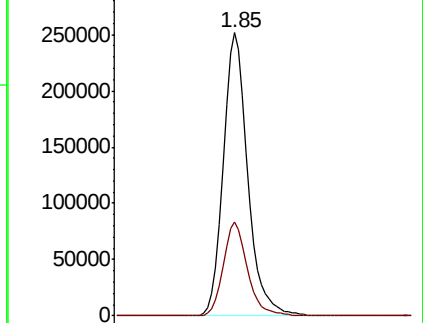
85 100

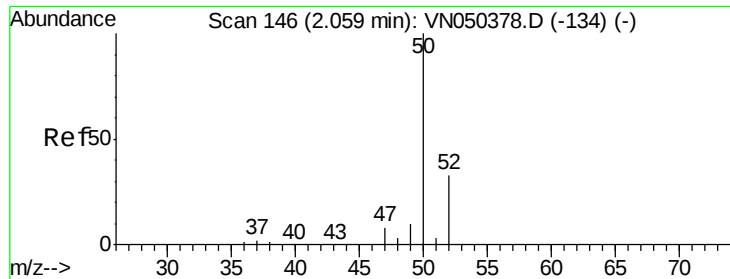
87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.46 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 432906

Ion Ratio Lower Upper

50 100

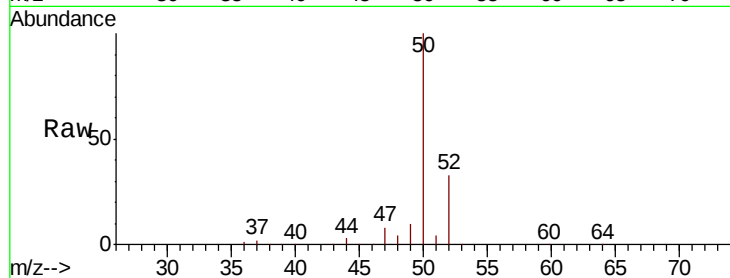
52 32.6 25.9 38.9

Manual Integrations

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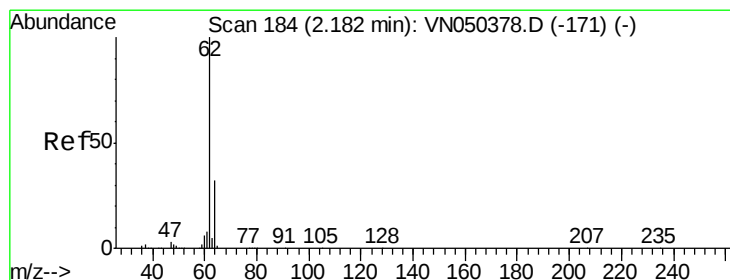
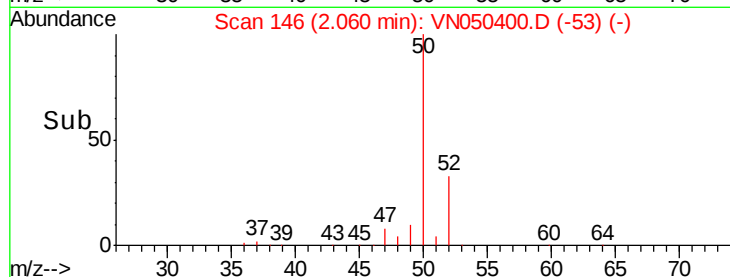
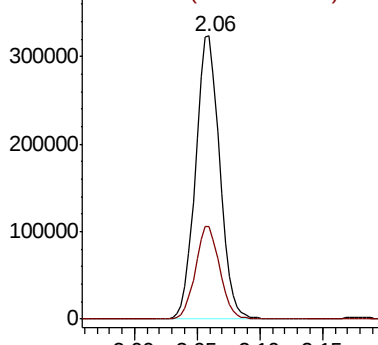
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.59 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050400.D

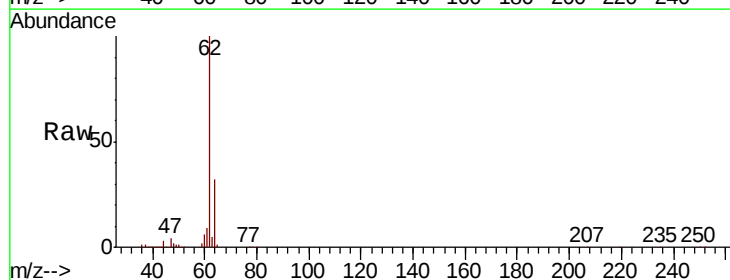
Acq: 6 Aug 2018 22:29

Tgt Ion: 62 Resp: 465732

Ion Ratio Lower Upper

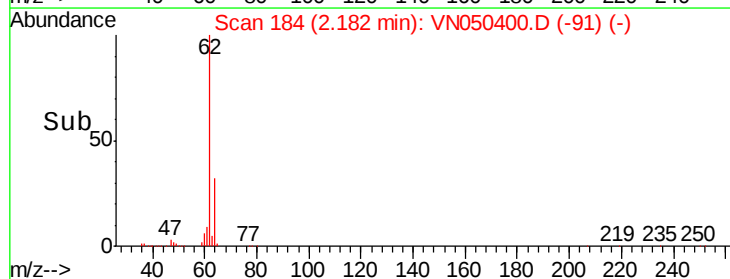
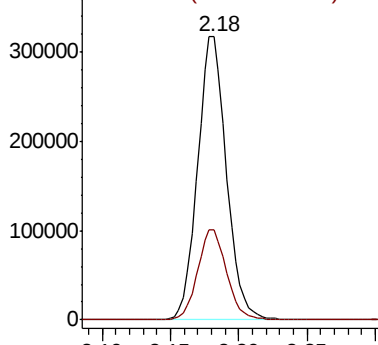
62 100

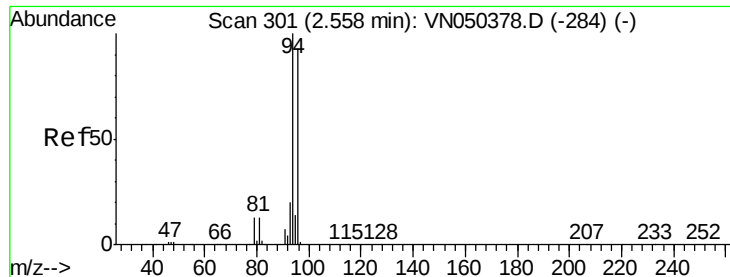
64 31.6 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 51.79 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 240743

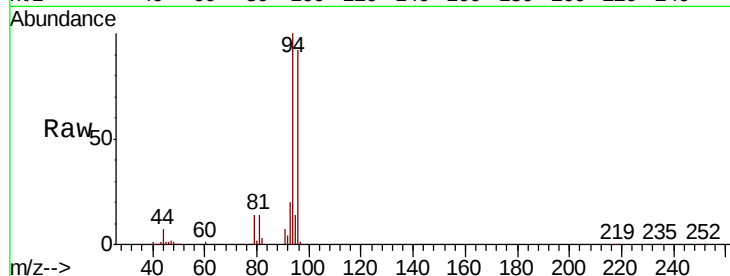
Ion Ratio Lower Upper

94 100

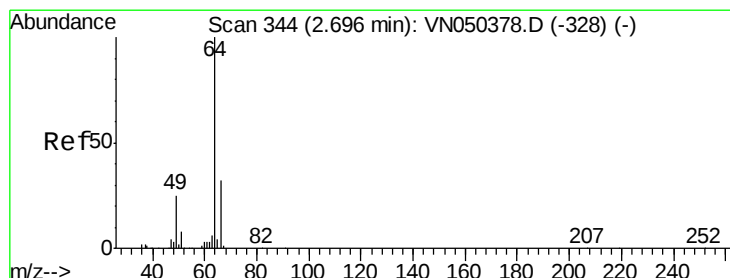
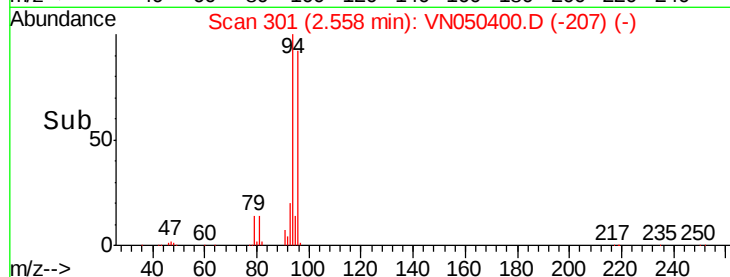
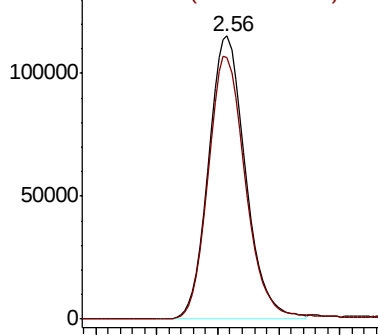
96 92.3 74.6 112.0

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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.09 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050400.D

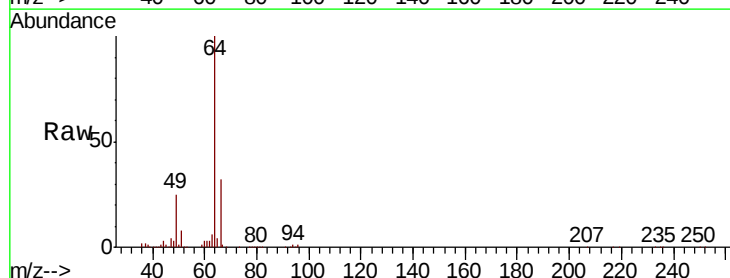
Acq: 6 Aug 2018 22:29

Tgt Ion: 64 Resp: 284052

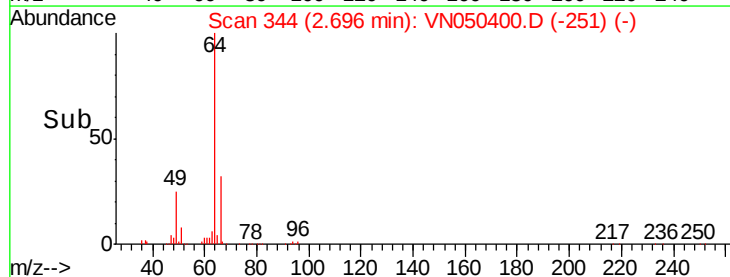
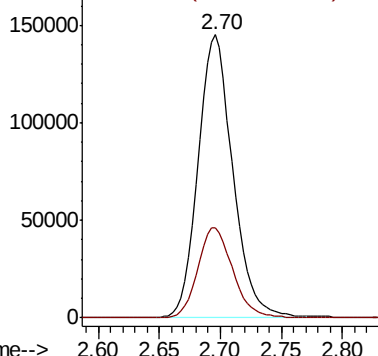
Ion Ratio Lower Upper

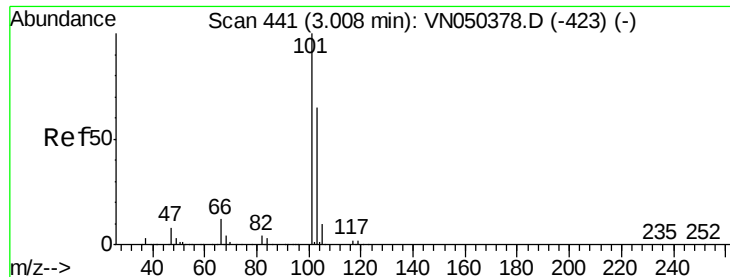
64 100

66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

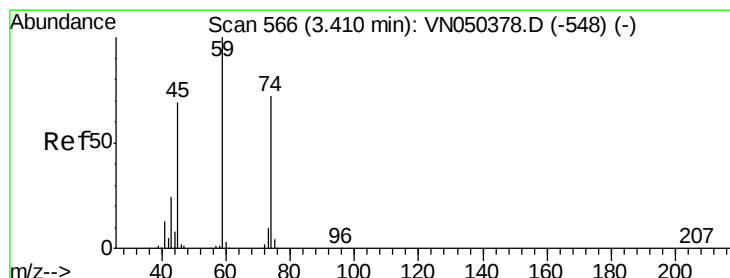
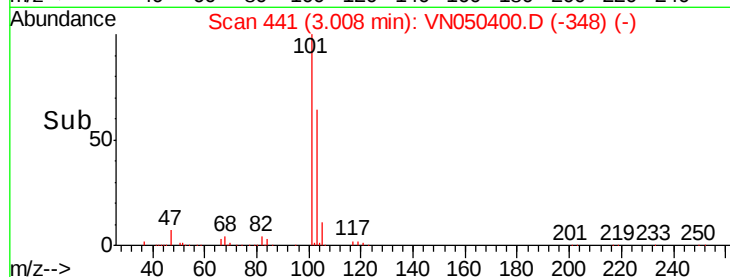
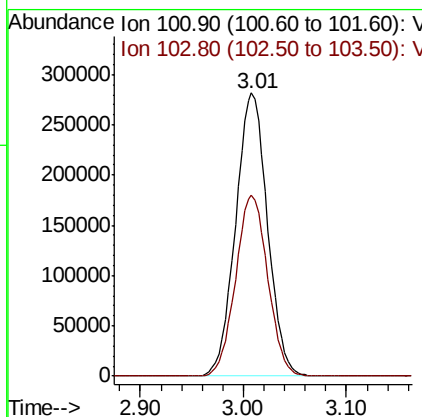
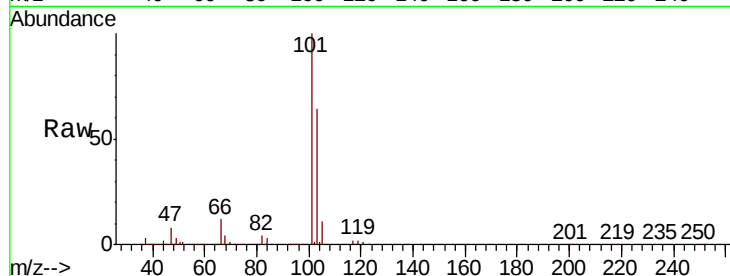
Trichlorofluoromethane
 Concen: 48.92 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.7	77.5

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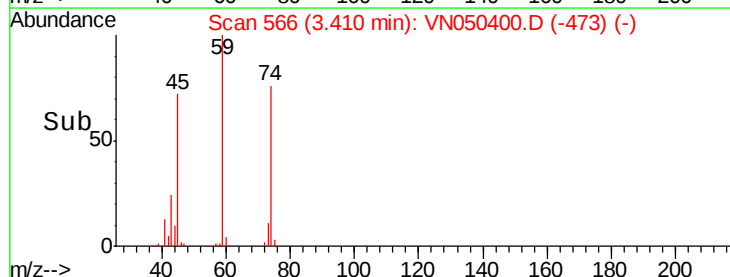
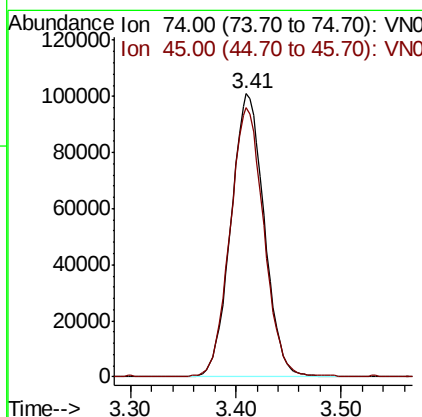
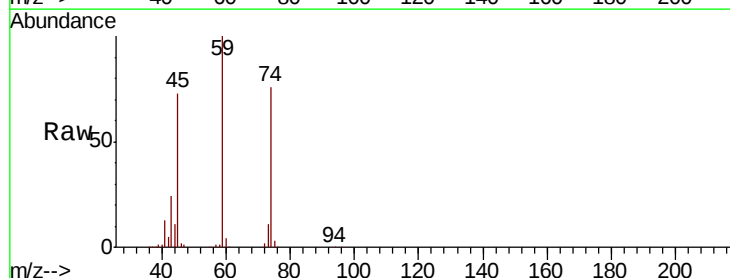
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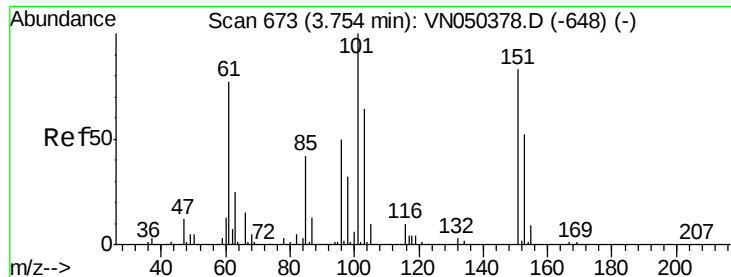


#8

Diethyl Ether
 Concen: 48.58 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.47 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

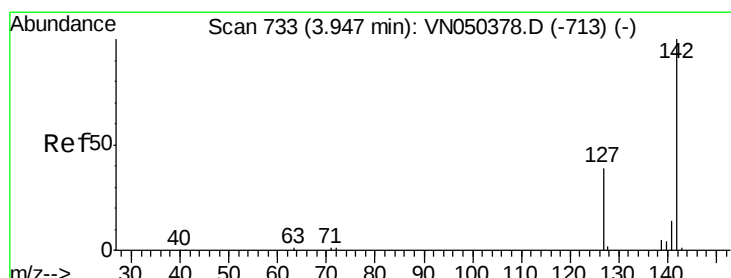
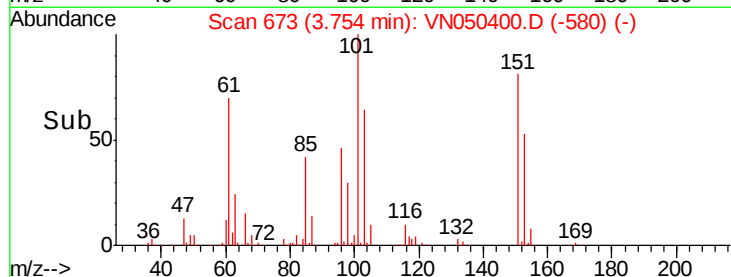
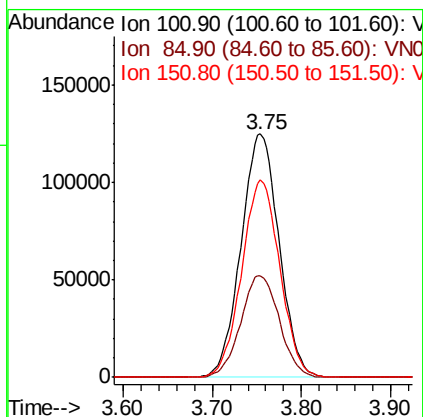
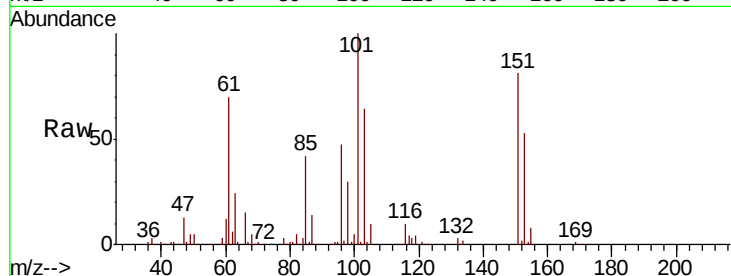
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	370785
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	81.3	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 62.93 ug/l

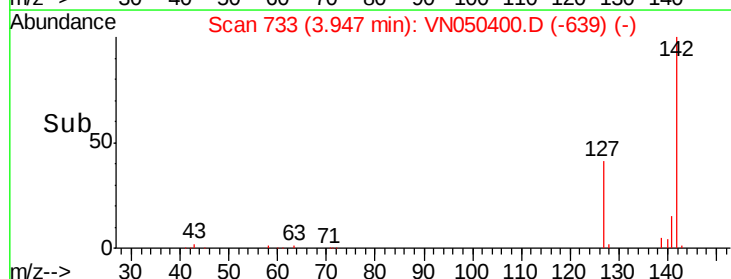
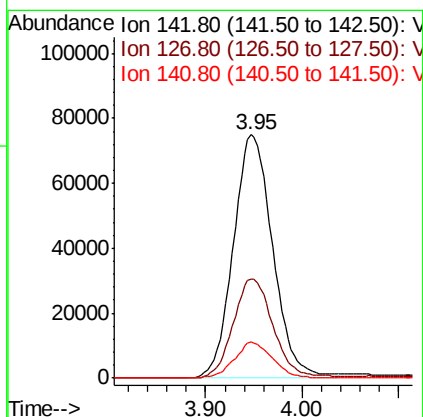
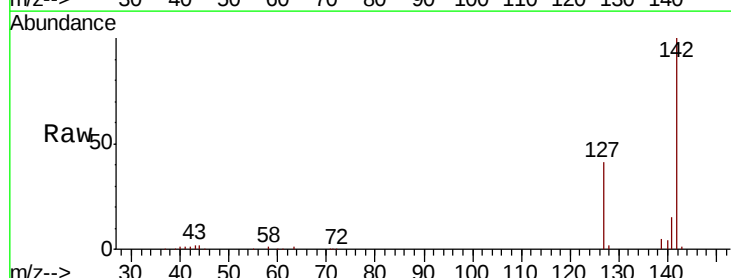
RT: 3.95 min Scan# 733

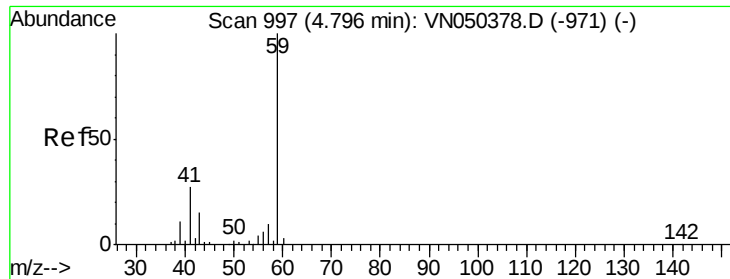
Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Tgt Ion:	142	Resp:	212106
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.4	50.2
141	14.4	11.6	17.4





#11

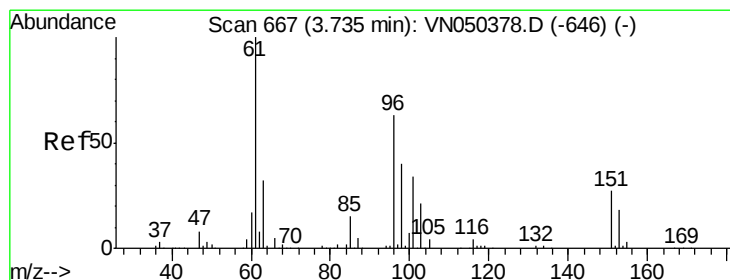
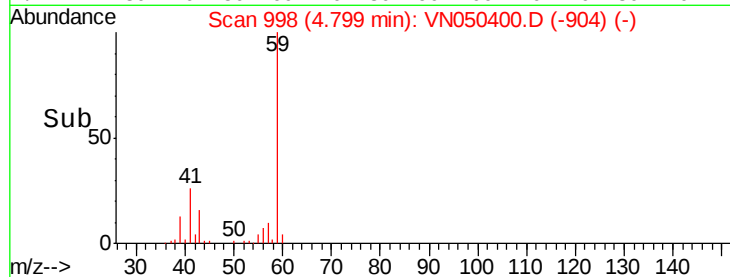
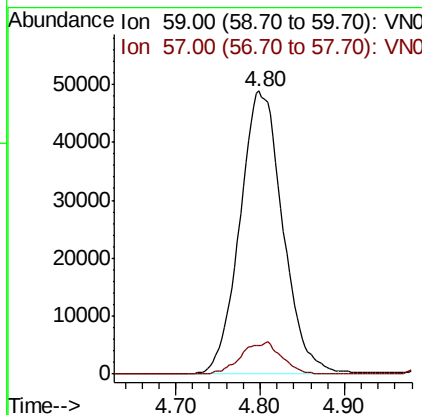
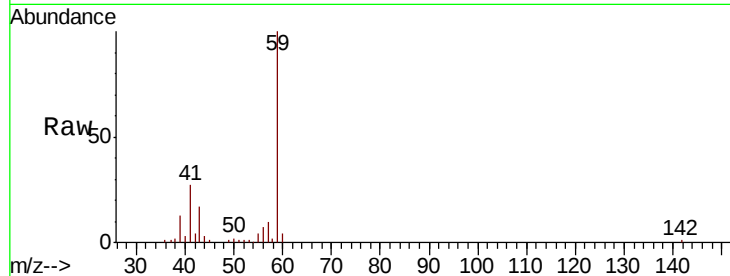
Tert butyl alcohol
 Concen: 241.18 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	59	Resp	172696
Ion Ratio	100	Lower	Upper
57	10.8	8.5	12.7

Manual Integrations
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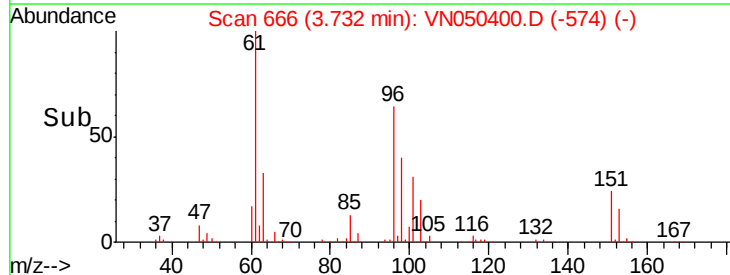
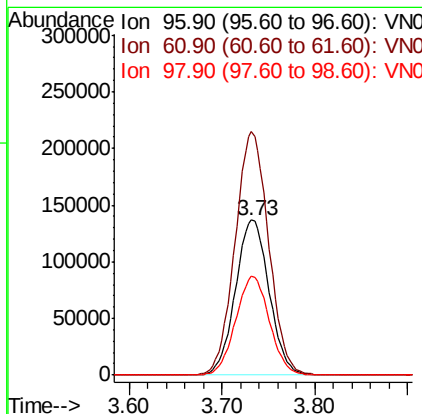
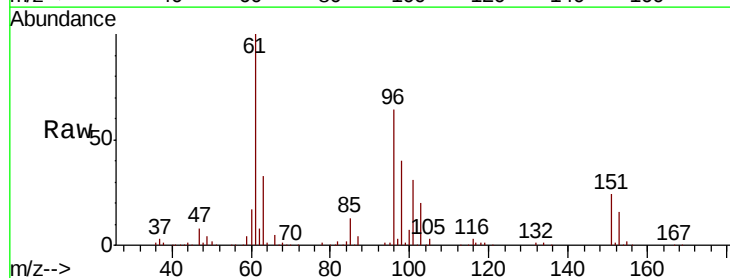
MMDadoda
 8/7/2018 9:59:07 AM

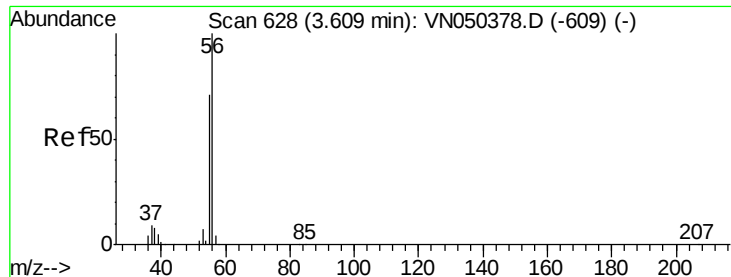


#12

1,1-Dichloroethene
 Concen: 47.90 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion	96	Resp	345485
Ion Ratio	100	Lower	Upper
61	156.9	124.4	186.6
98	63.4	48.3	72.5





#13

Acrolein

Concen: 239.75 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 222750

Ion Ratio Lower Upper

56 100

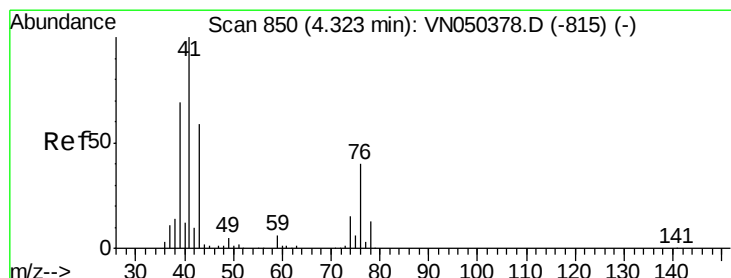
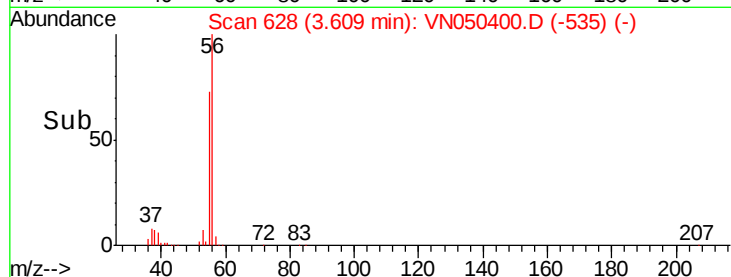
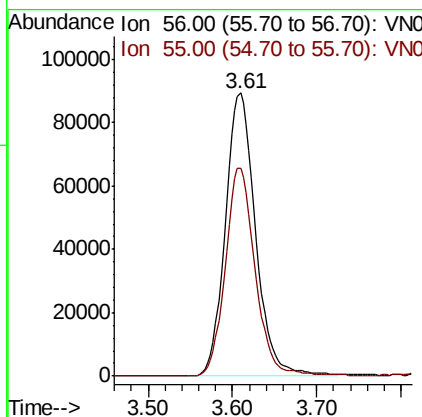
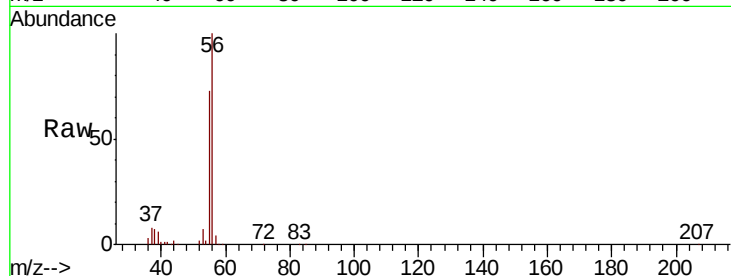
55 72.8 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 46.53 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

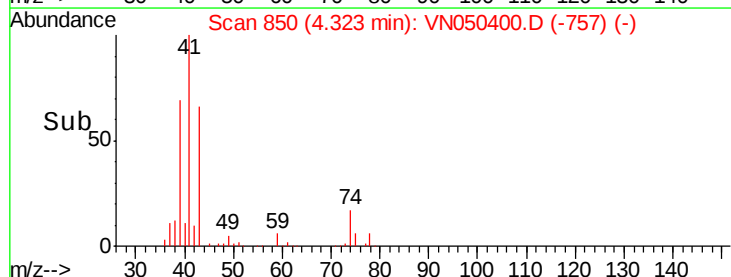
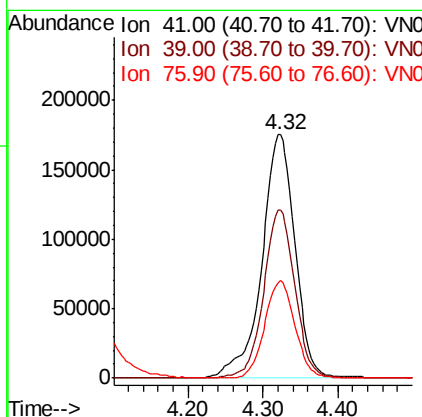
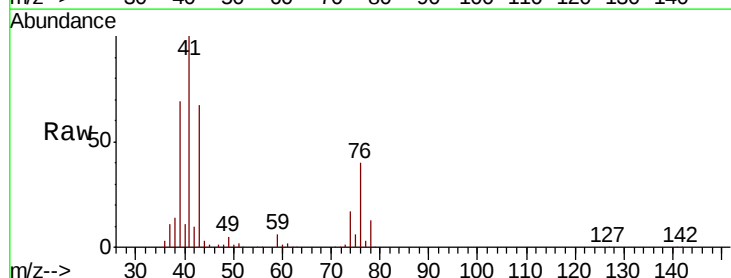
Tgt Ion: 41 Resp: 538917

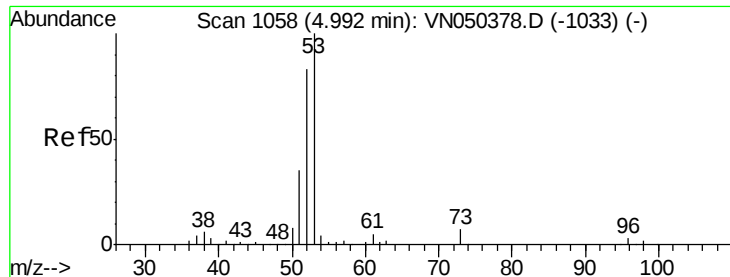
Ion Ratio Lower Upper

41 100

39 65.2 54.2 81.4

76 36.4 29.0 43.6





#15

Acrylonitrile

Concen: 255.54 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

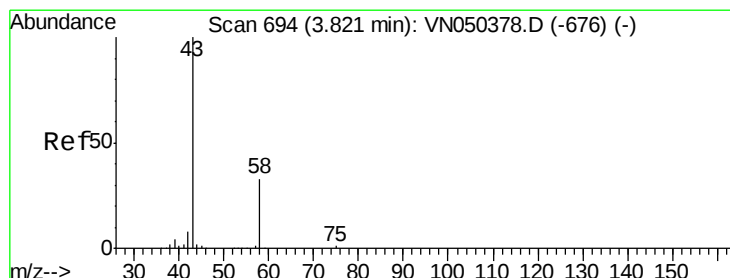
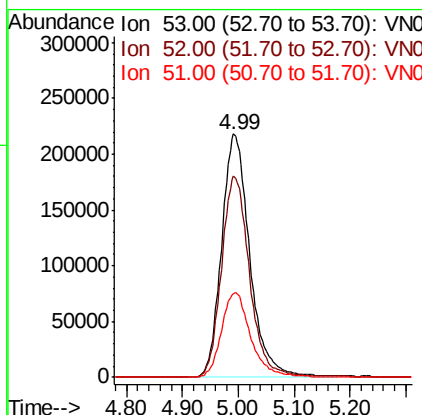
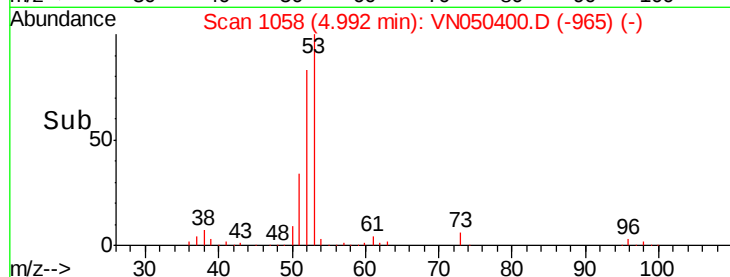
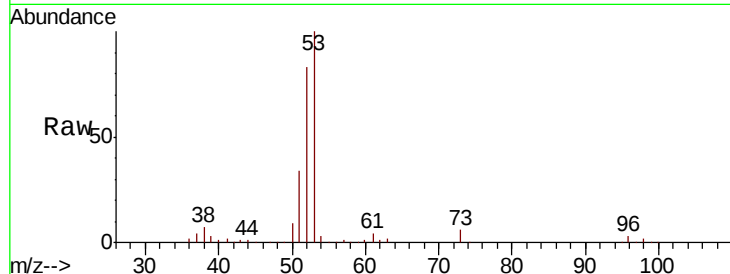
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	766438
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.1	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 264.46 ug/l

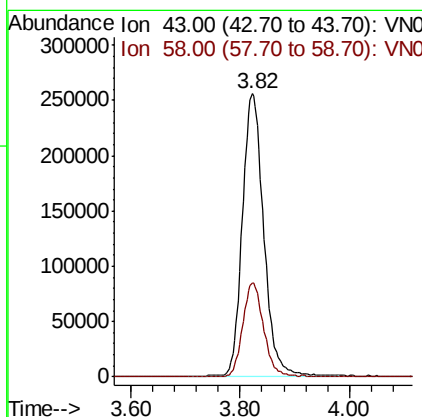
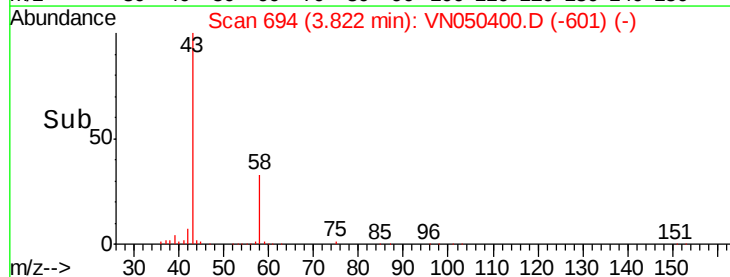
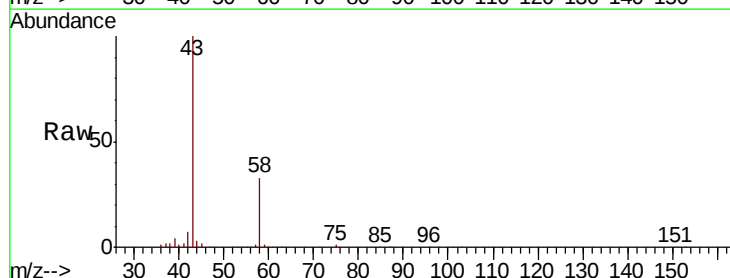
RT: 3.82 min Scan# 694

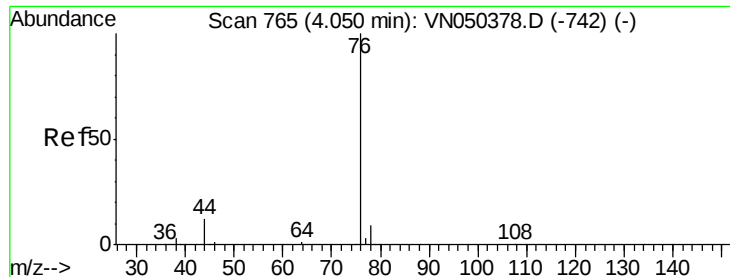
Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Tgt Ion:	43	Resp:	702916
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.8	38.8





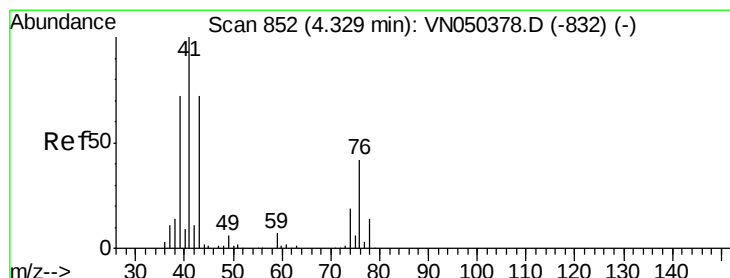
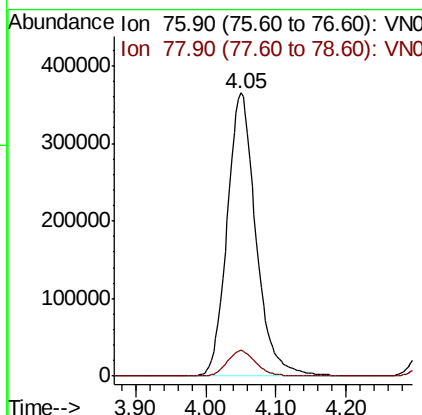
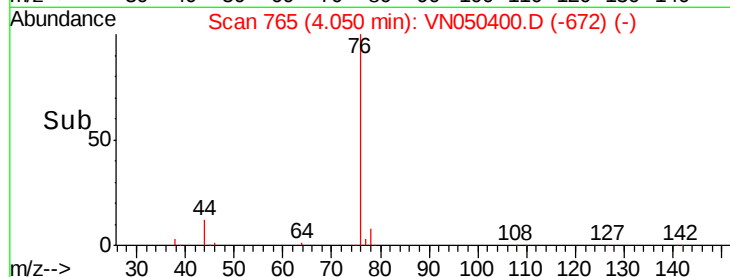
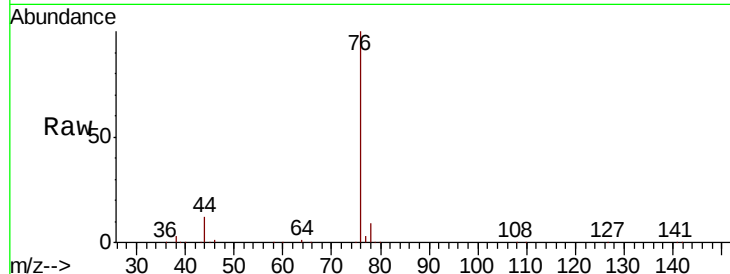
#17
Carbon Disulfide
Concen: 44.26 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1037989
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

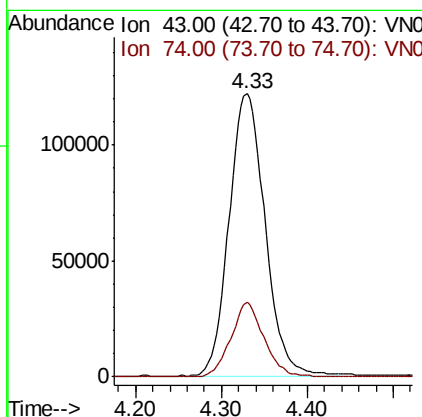
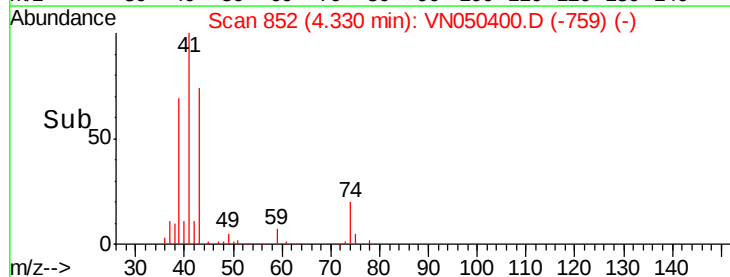
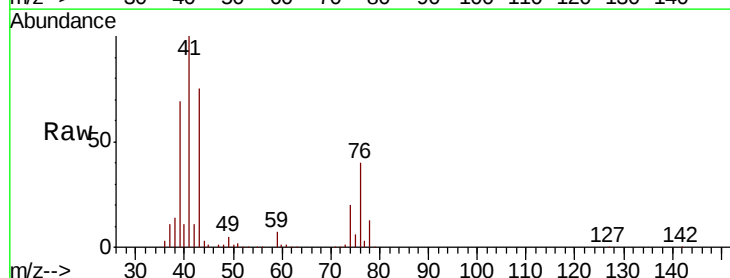
Manual Integrations
APPROVED

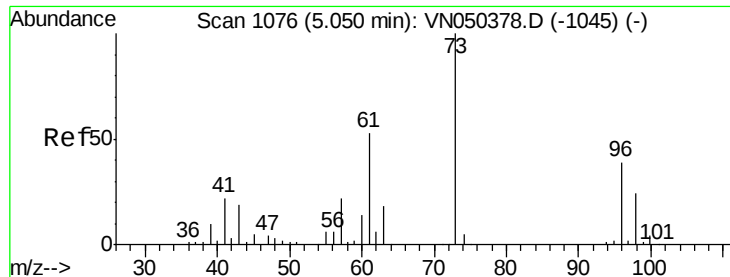
MMDadoda
8/7/2018 9:59:07 AM



#18
Methyl Acetate
Concen: 51.13 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 43 Resp: 353114
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8





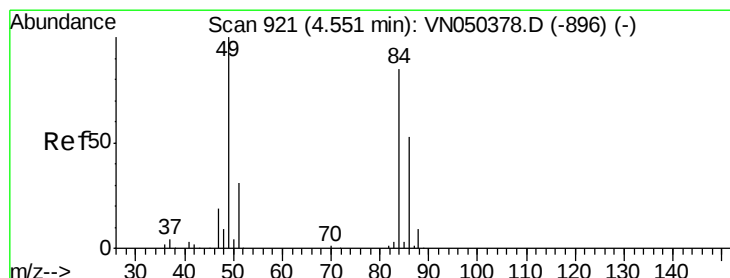
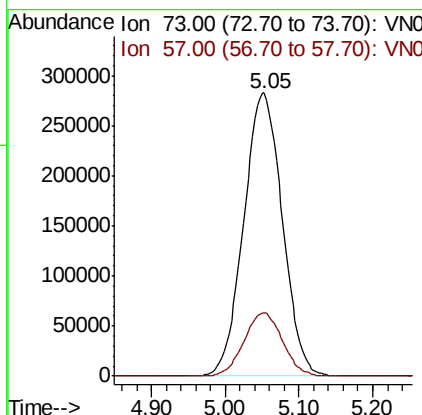
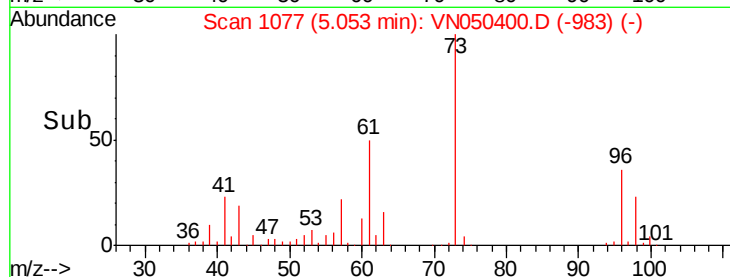
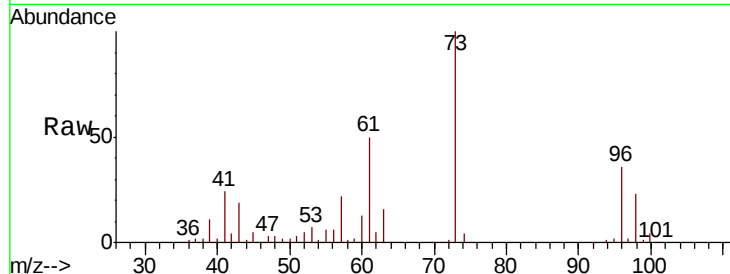
#19
Methyl tert-butyl Ether
Concen: 50.40 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 1031827
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

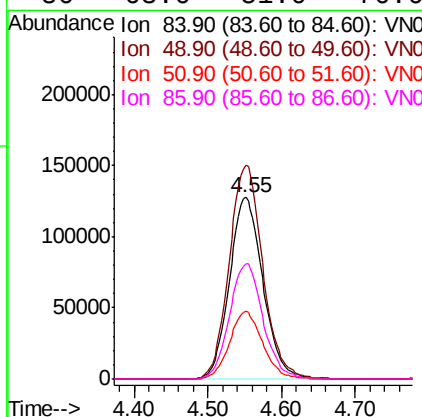
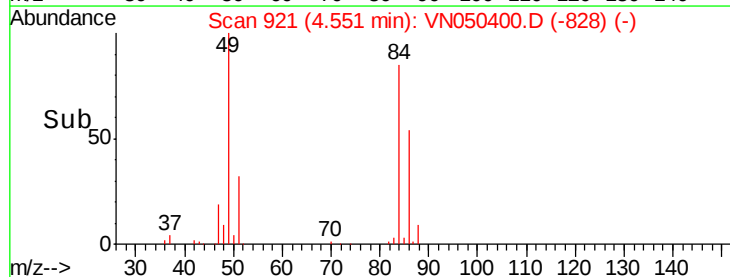
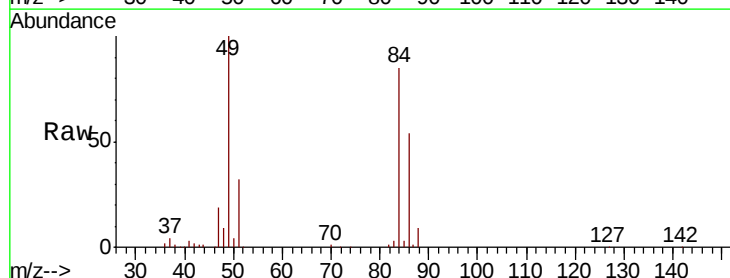
Manual Integrations
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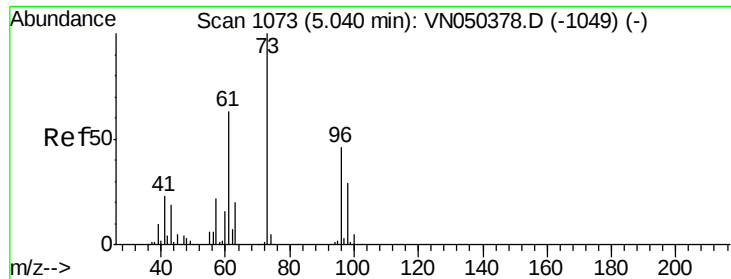
MMDadoda
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#20
Methylene Chloride
Concen: 49.65 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 84 Resp: 403699
Ion Ratio Lower Upper
84 100
49 117.6 94.8 142.2
51 37.3 28.3 42.5
86 63.6 51.0 76.6





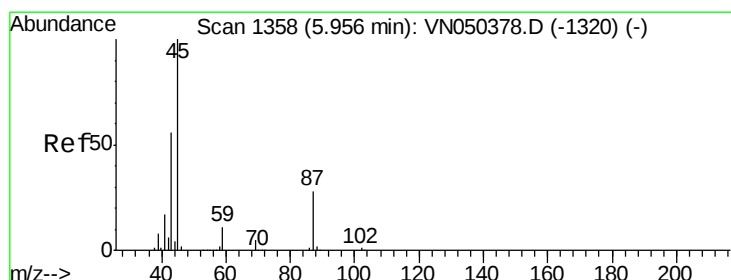
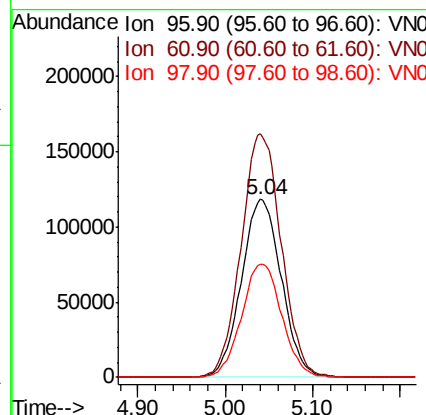
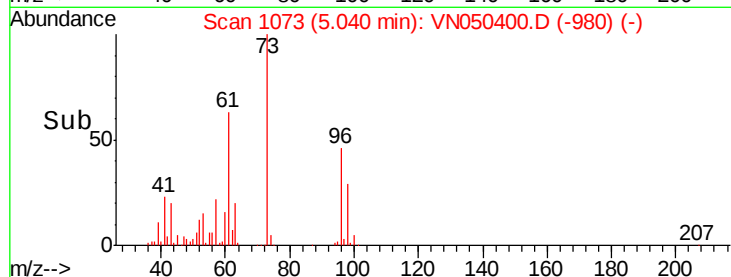
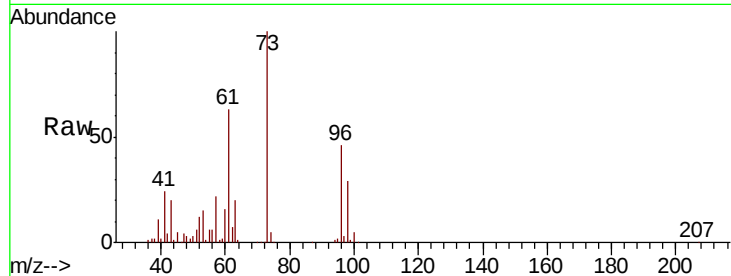
#21
trans-1,2-Dichloroethene
Concen: 48.05 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	110.7	166.1
98	63.3	51.6	77.4

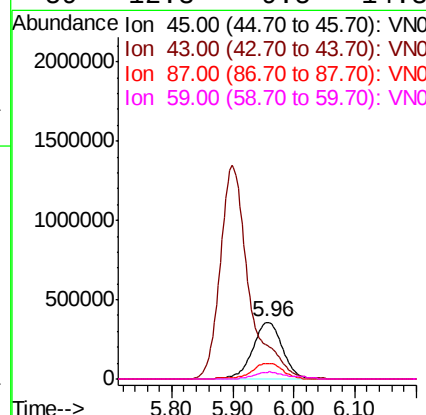
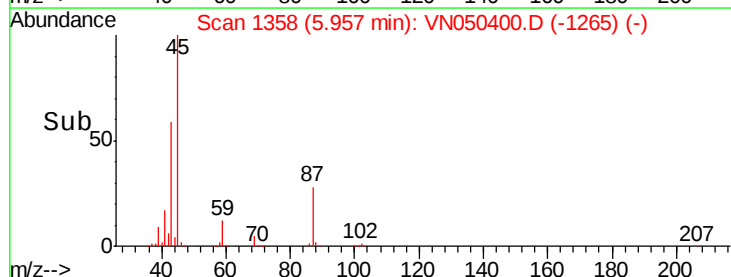
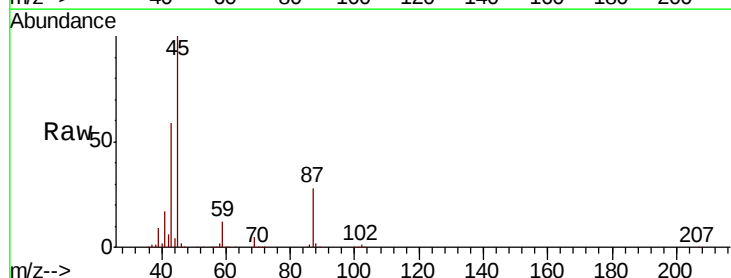
Manual Integrations
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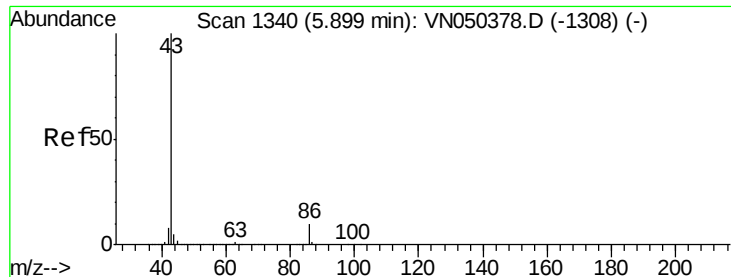
MMDadoda
8/7/2018 9:59:07 AM



#22
Diisopropyl ether
Concen: 51.40 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	45.7	68.5
87	27.5	22.7	34.1
59	12.3	9.5	14.3





#23

Vinyl Acetate

Concen: 261.00 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4406086

Ion Ratio Lower Upper

43 100

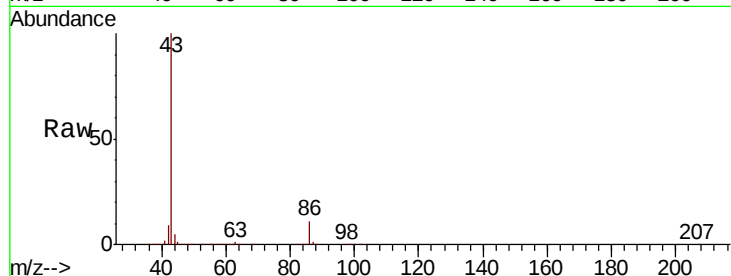
86 10.7 8.6 13.0

Manual Integrations

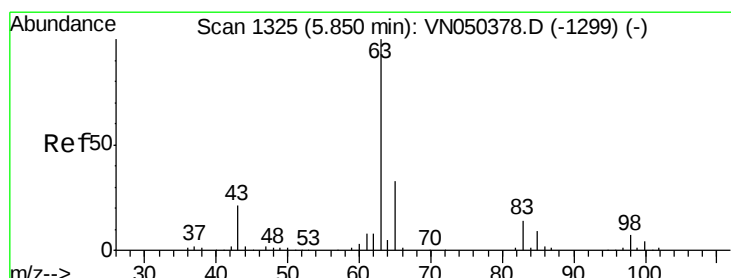
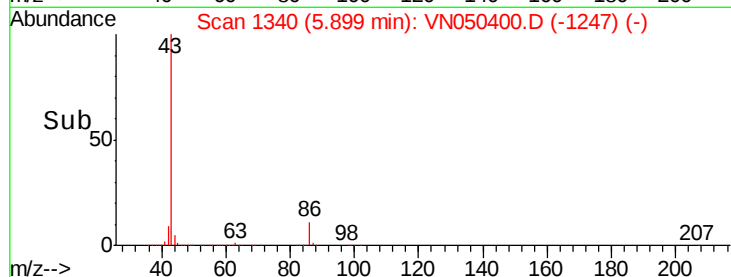
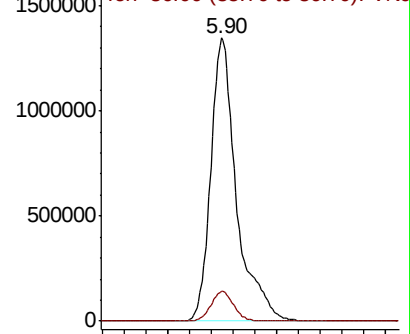
APPROVED

MMDadoda

8/7/2018 9:59:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN050400.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 48.39 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

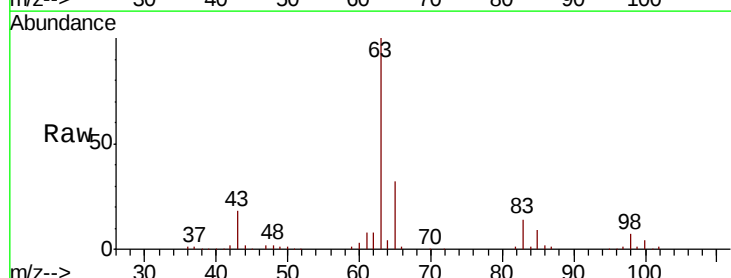
Tgt Ion: 63 Resp: 702482

Ion Ratio Lower Upper

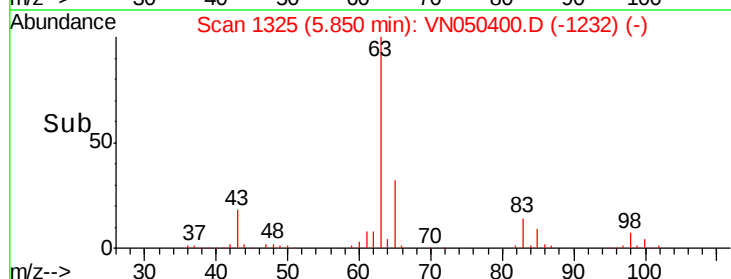
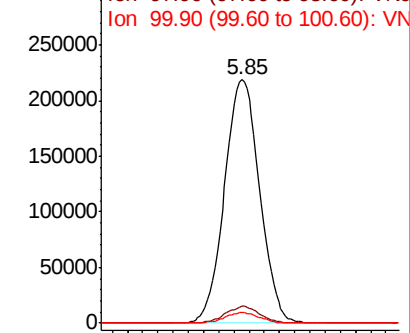
63 100

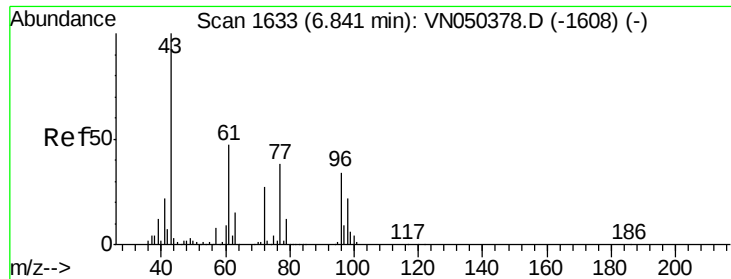
98 6.8 3.3 9.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050400.D (-1232) (-)





#25

2-Butanone

Concen: 259.31 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1145322

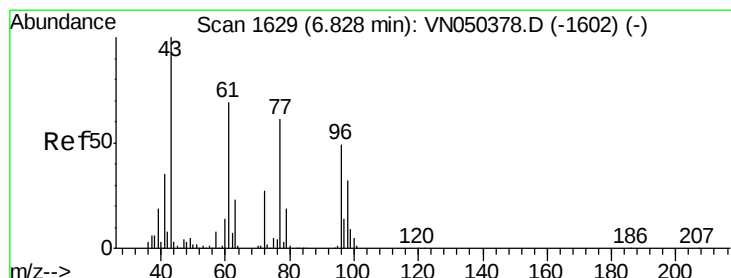
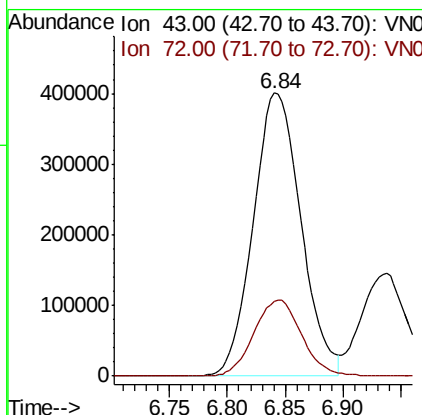
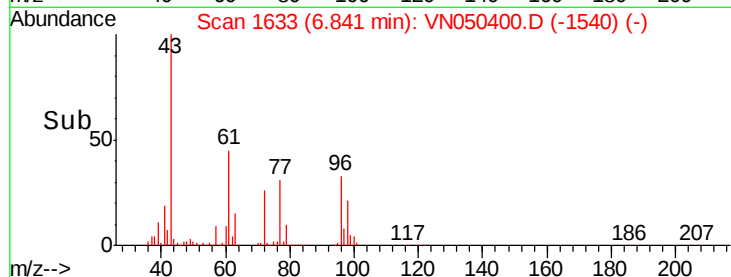
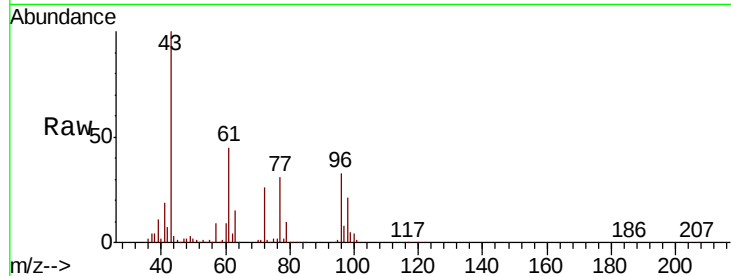
Ion Ratio Lower Upper

43 100

72 26.3 21.5 32.3

Manual Integrations
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8/7/2018 9:59:07 AM



#26

2,2-Dichloropropane

Concen: 39.82 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050400.D

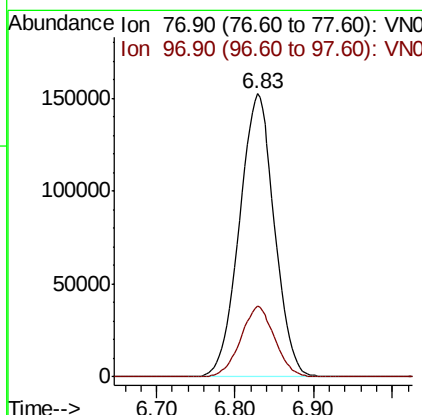
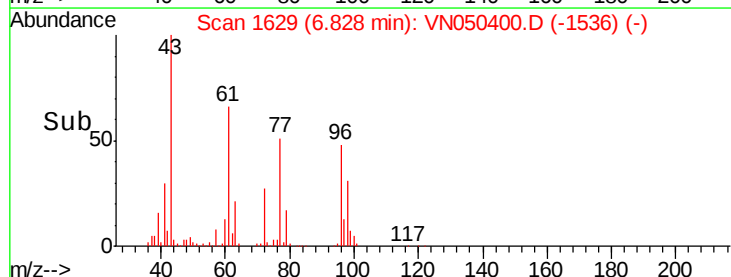
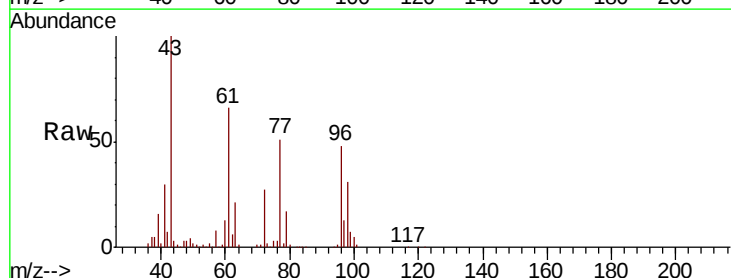
Acq: 6 Aug 2018 22:29

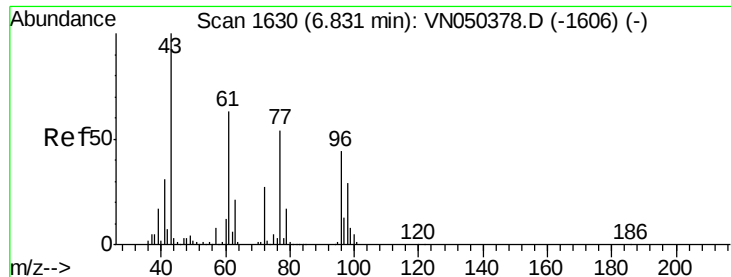
Tgt Ion: 77 Resp: 476578

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.05 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

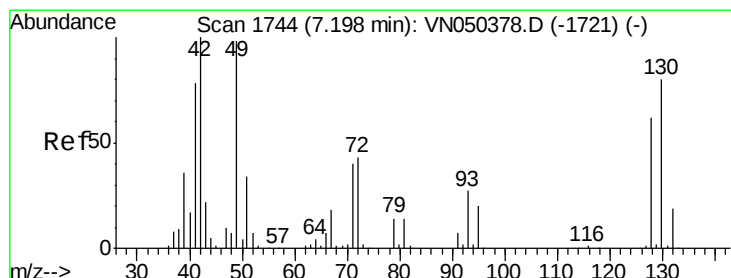
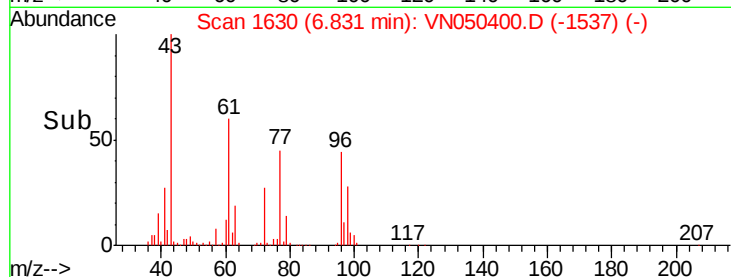
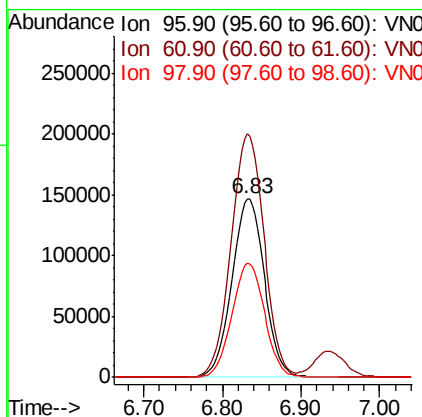
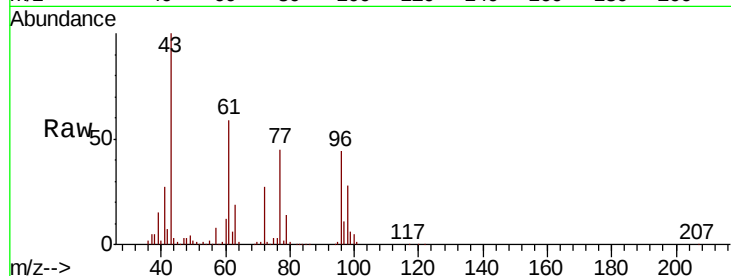
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	424304
Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	285.0
98	64.3	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 50.47 ug/l

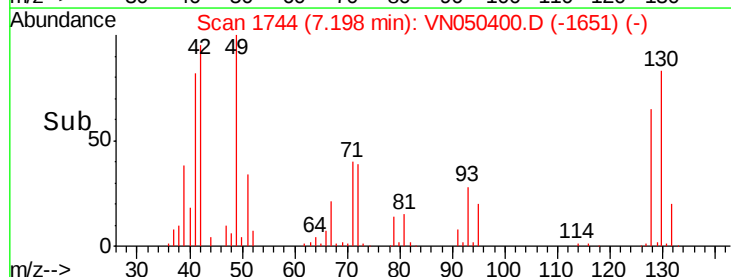
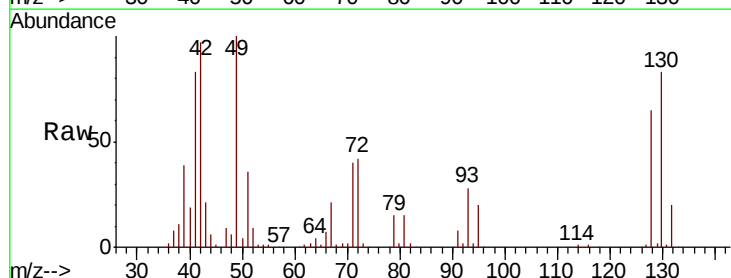
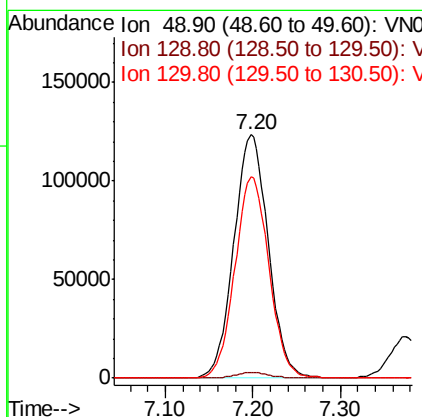
RT: 7.20 min Scan# 1744

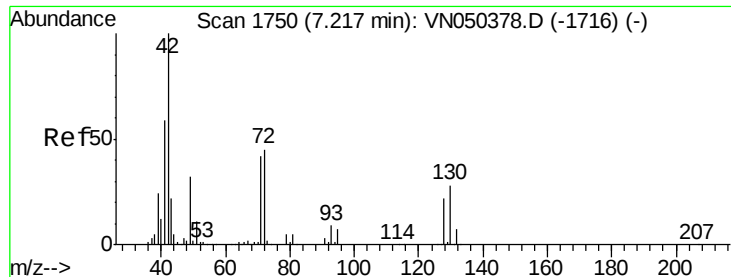
Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Tgt Ion:	49	Resp:	337283
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	81.8	66.3	99.5





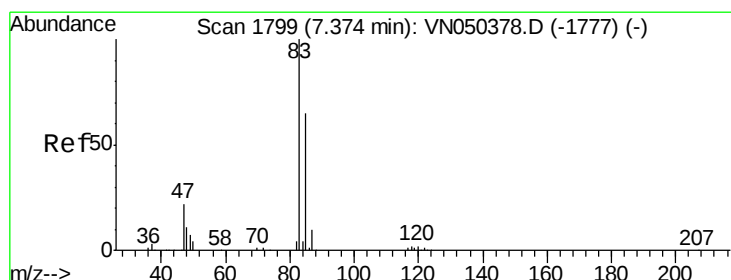
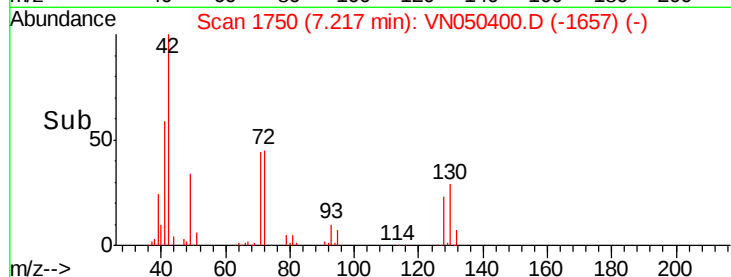
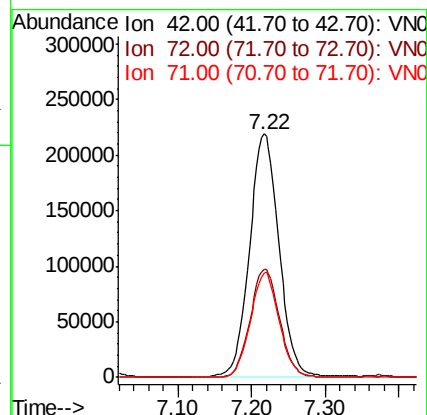
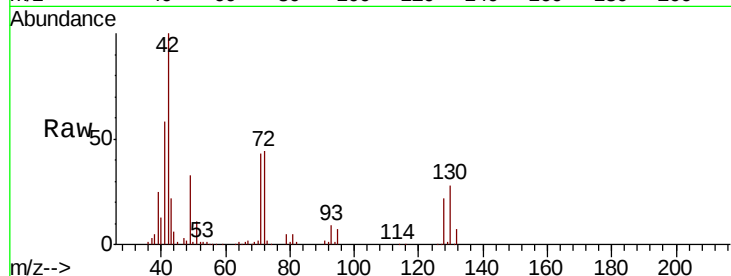
#29
Tetrahydrofuran
Concen: 257.86 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.9	53.9
71	42.0	33.7	50.5

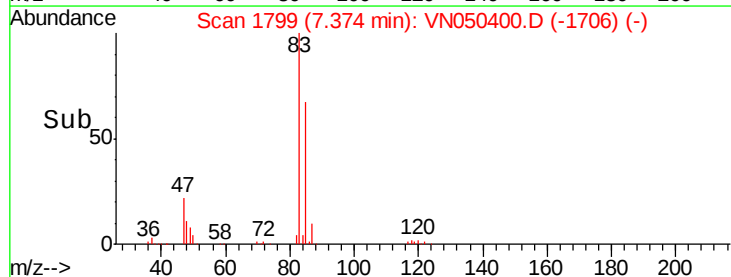
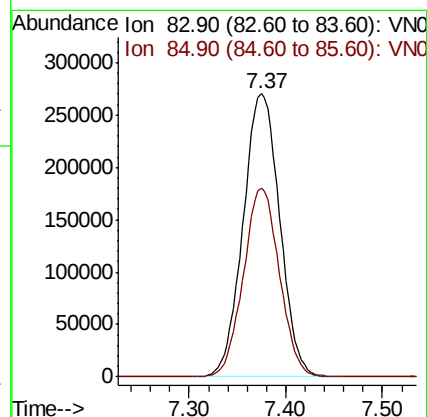
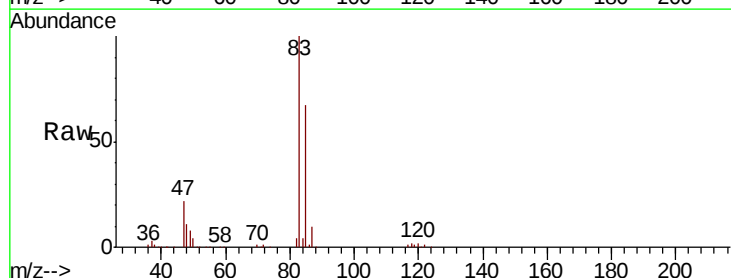
Manual Integrations
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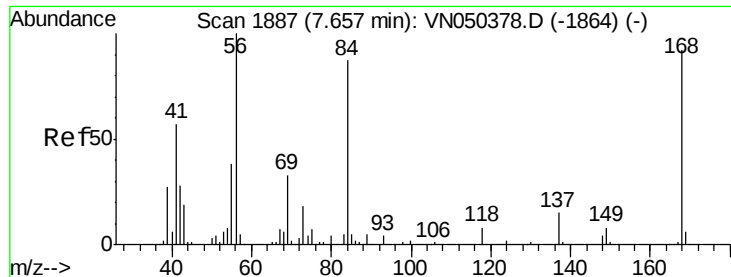
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#30
Chloroform
Concen: 49.08 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.5	78.7





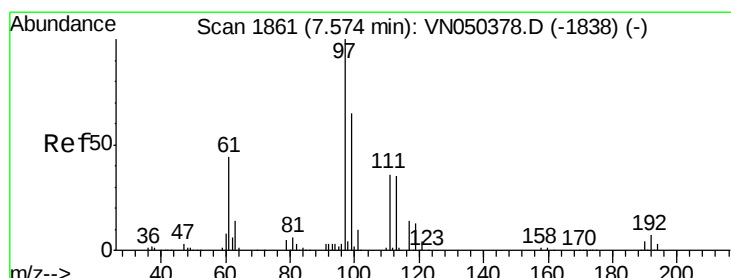
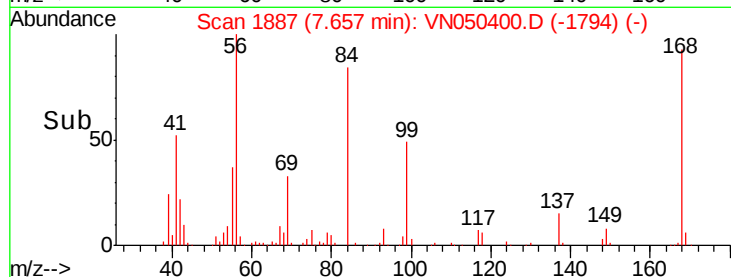
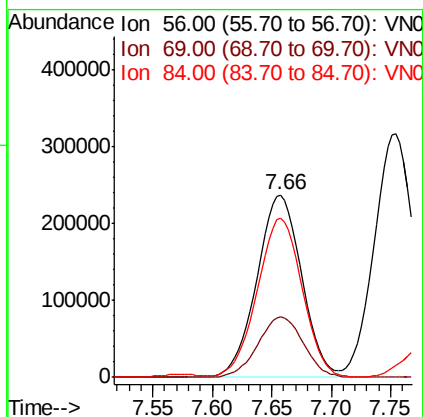
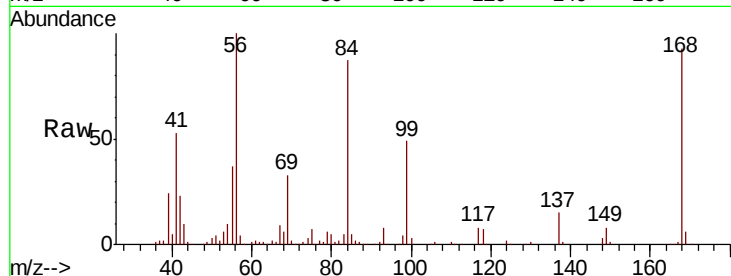
#31
Cyclohexane
Concen: 48.30 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.2	39.4
84	85.8	67.4	101.0

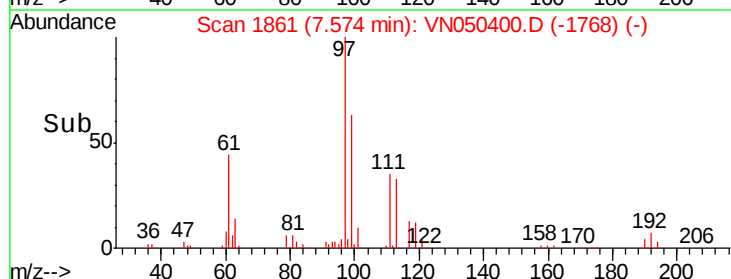
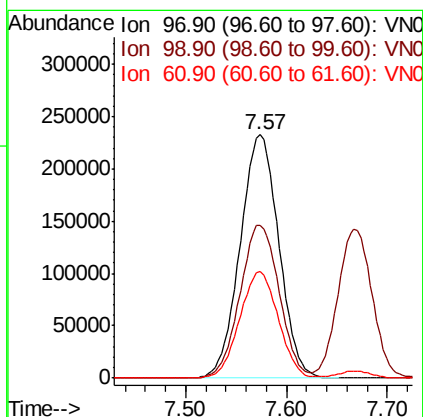
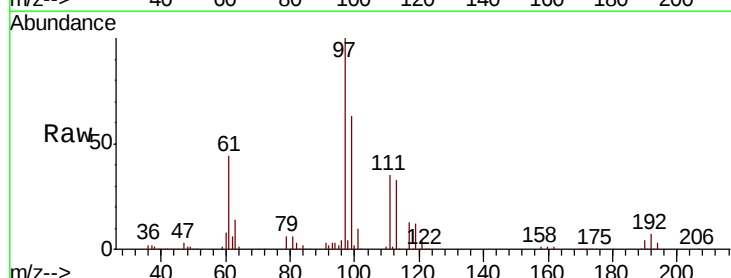
Manual Integrations
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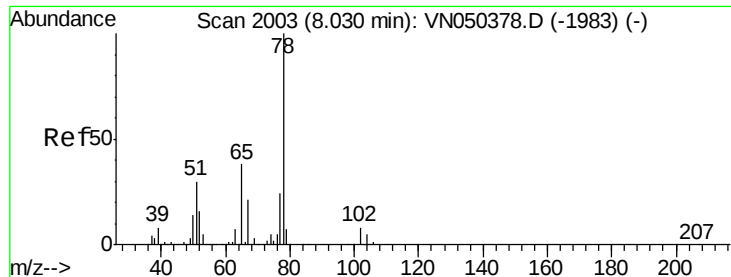
MMDadoda
8/7/2018 9:59:07 AM



#32
1,1,1-Trichloroethane
Concen: 49.58 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	43.9	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 49.59 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 442037

Ion Ratio Lower Upper

65 100

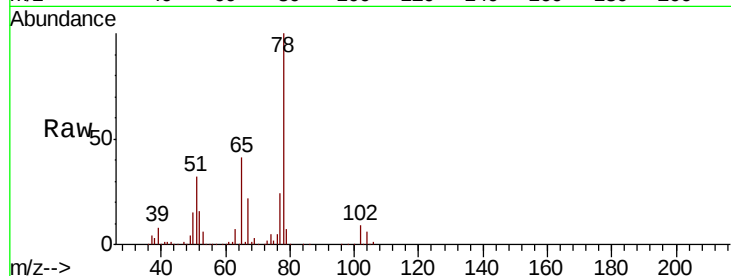
67 53.7 0.0 108.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN050378.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050378.D (-1983) (-)

8.03

200000

150000

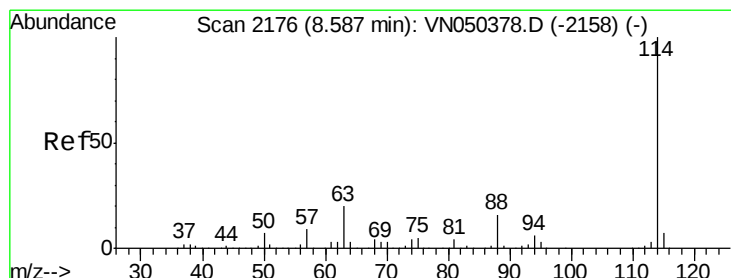
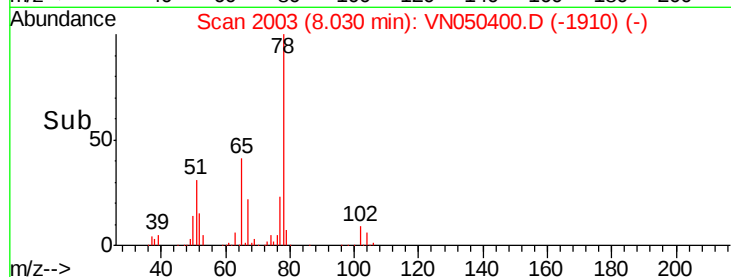
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

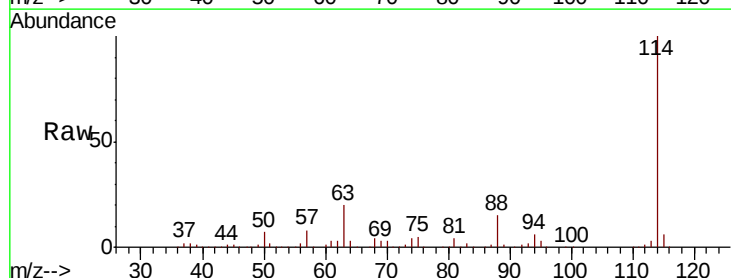
Tgt Ion: 114 Resp: 962930

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.3 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050378.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050378.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050378.D (-2158) (-)

8.59

600000

500000

400000

300000

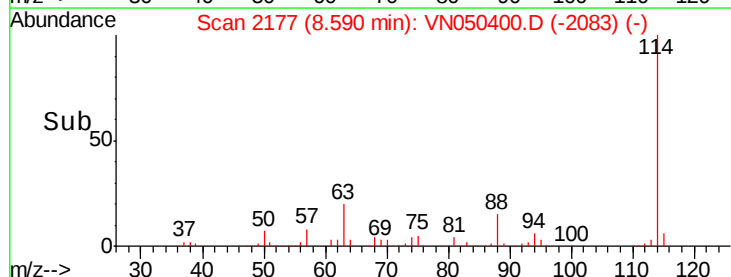
200000

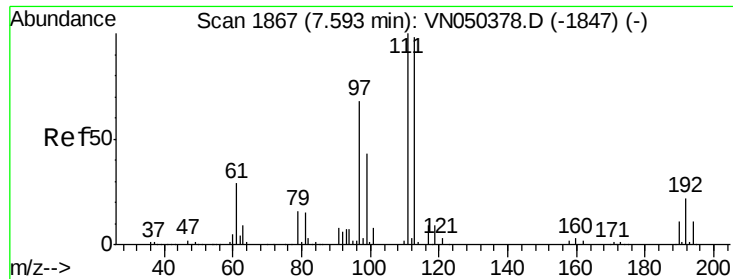
100000

0

8.50 8.60 8.70

Time-->





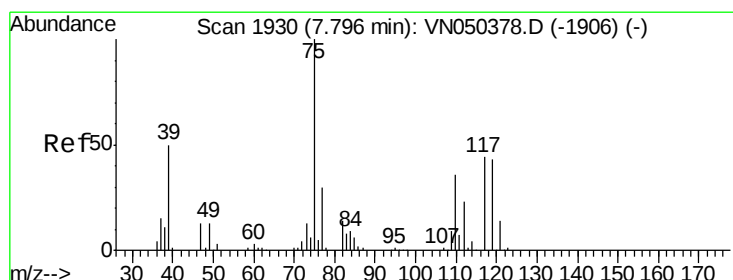
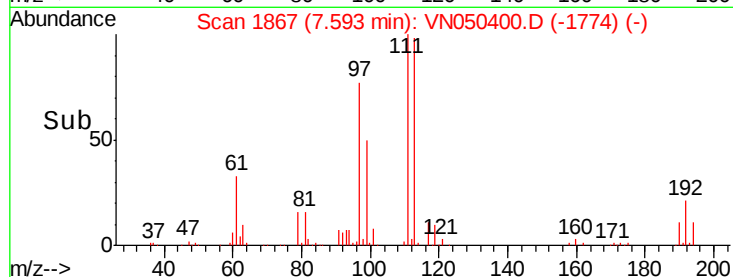
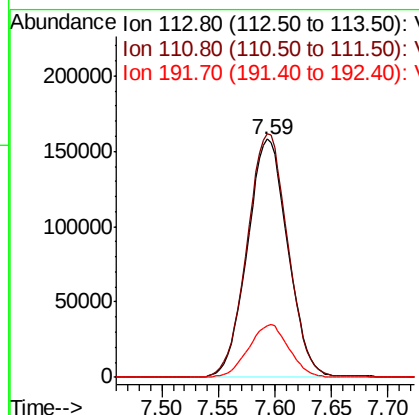
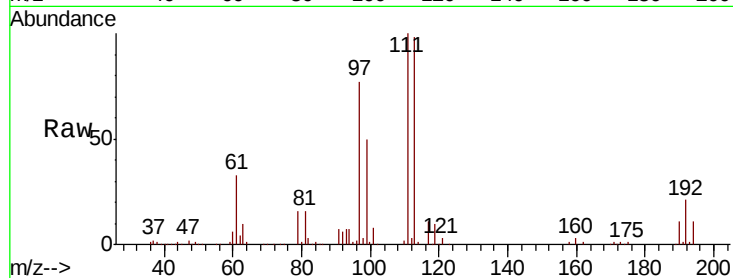
#35
 Dibromofluoromethane
 Concen: 50.95 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.3	80.7	121.1	
192	22.2	17.8	26.6	

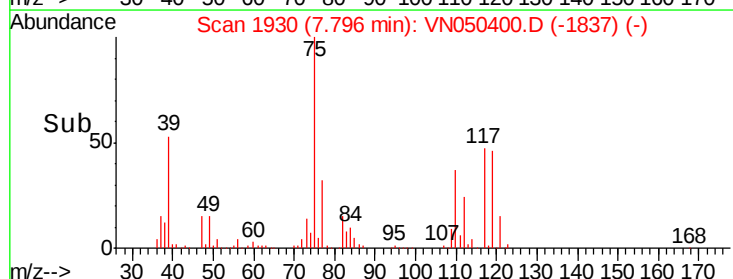
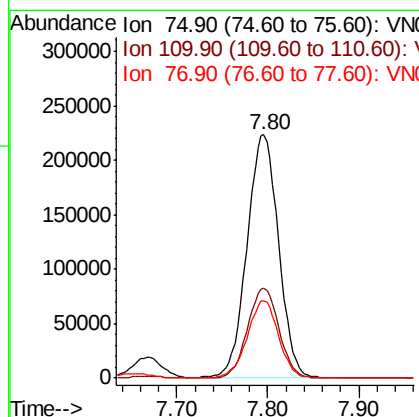
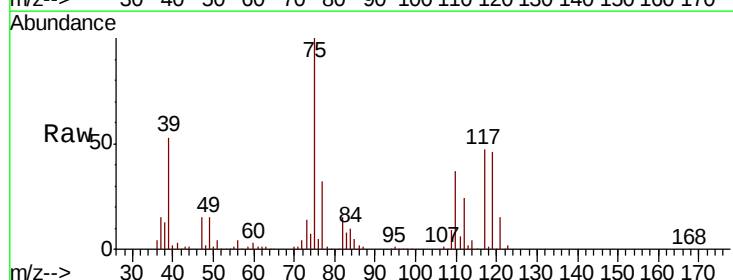
Manual Integrations
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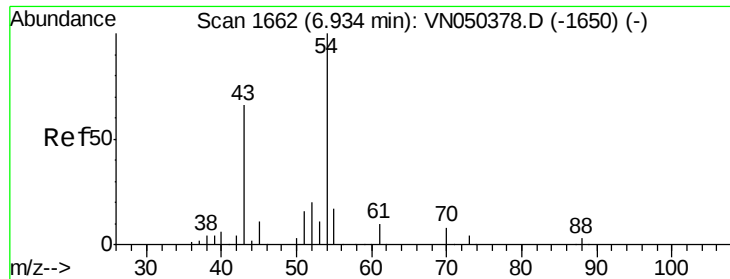
MMDadoda
 8/7/2018 9:59:07 AM



#36
 1,1-Dichloropropene
 Concen: 50.74 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.9	18.4	55.2	
77	31.8	25.3	37.9	





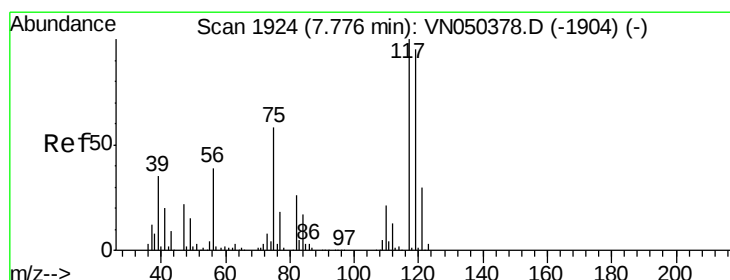
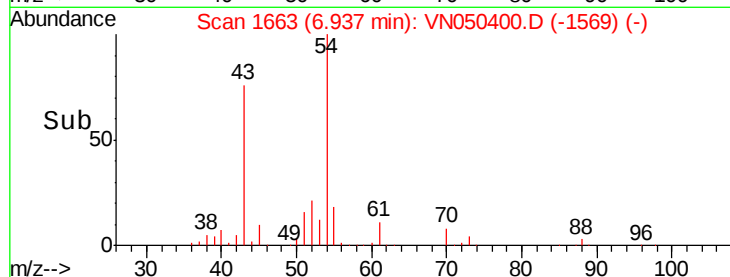
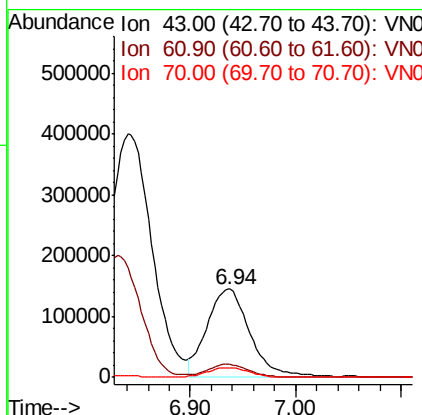
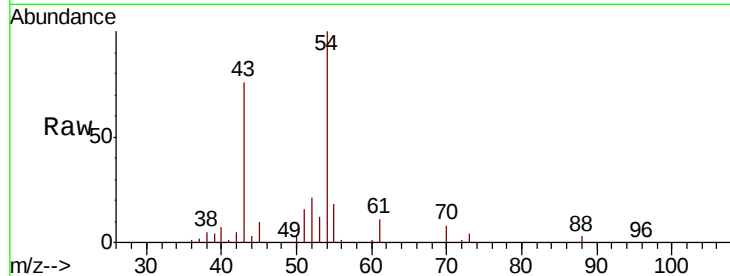
#37
Ethyl Acetate
Concen: 52.81 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	11.2	8.4	12.6

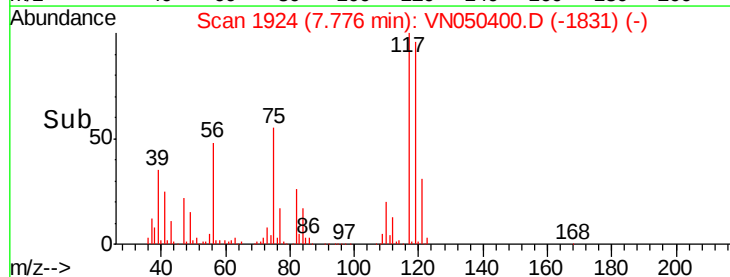
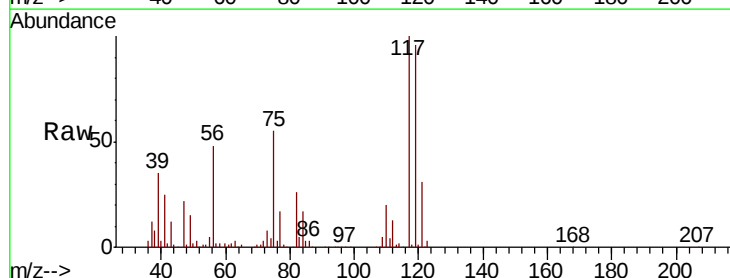
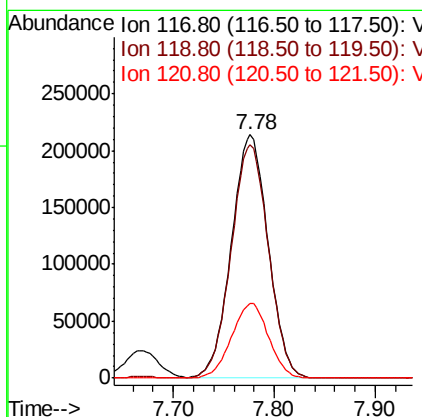
Manual Integrations
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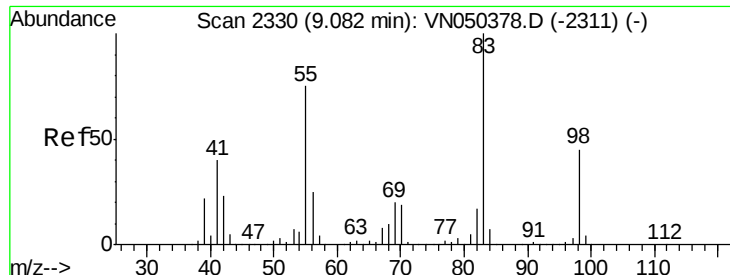
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.08 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.4	116.0
121	30.8	23.9	35.9





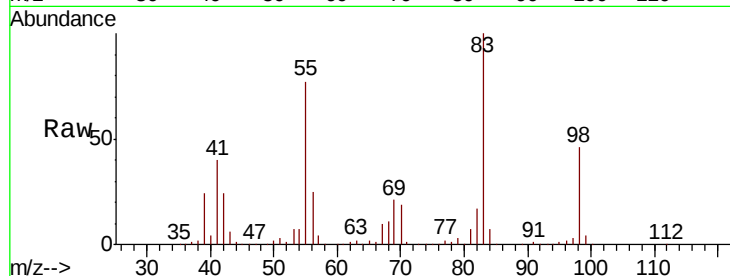
#39
Methvlcvclohexane
Concen: 50.13 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.8	92.8
98	46.1	36.5	54.7

Manual Integrations
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8/7/2018 9:59:07 AM

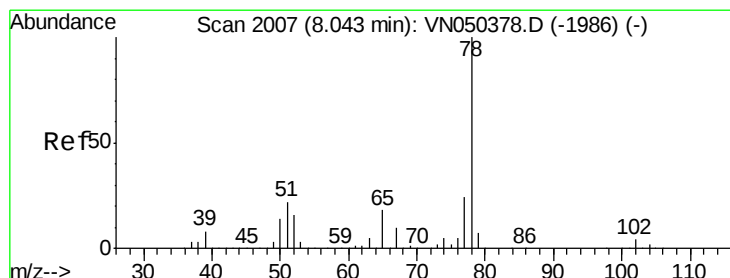
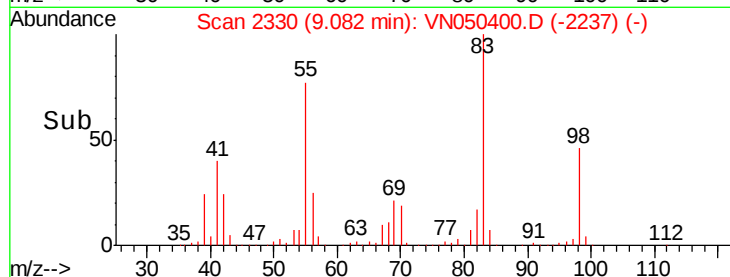
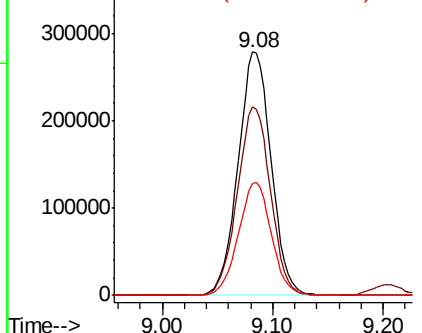


Abundance

Ion 83.00 (82.70 to 83.70): VN0

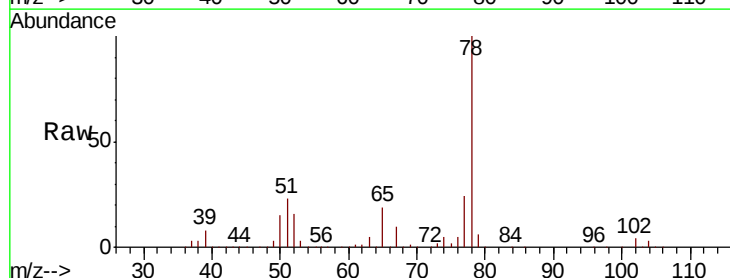
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 50.55 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

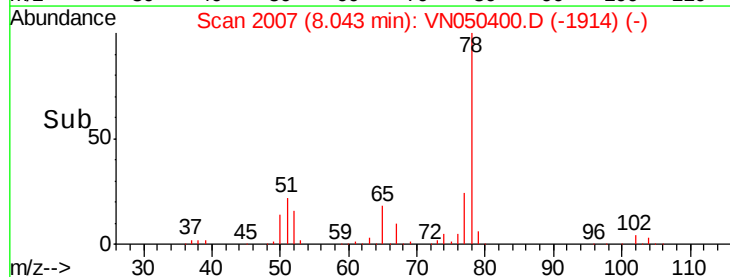
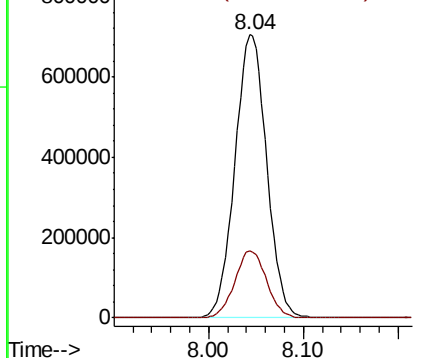
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1

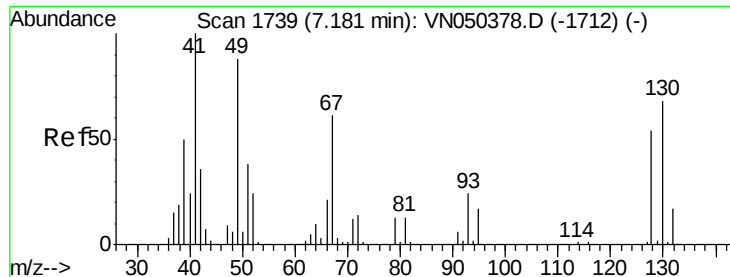


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





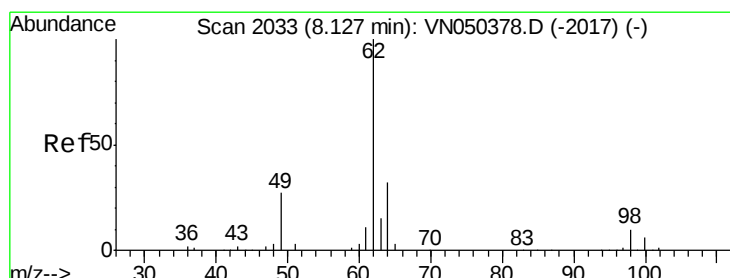
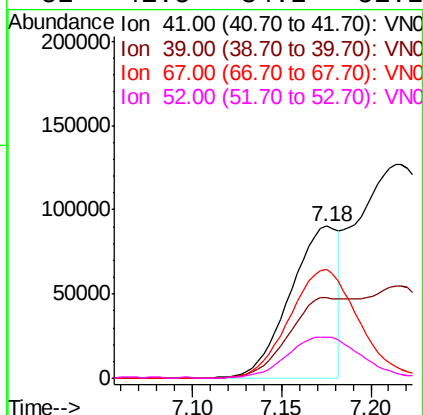
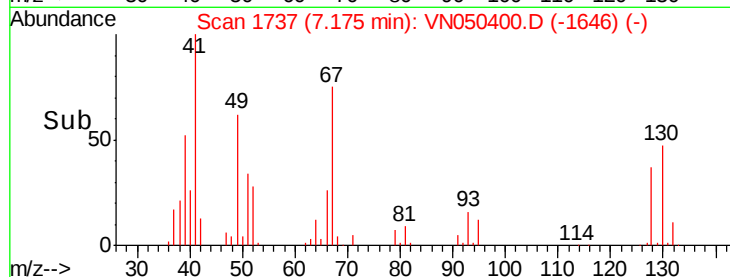
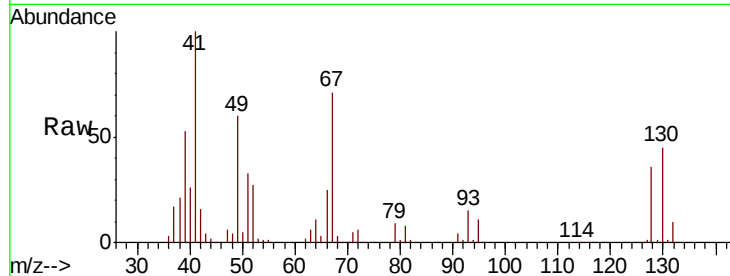
#41
Methacrylonitrile
Concen: 41.18 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.9	55.8	83.6
67	104.8	84.3	126.5
52	41.5	34.2	51.2

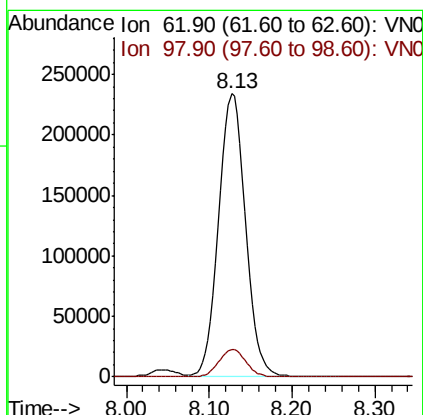
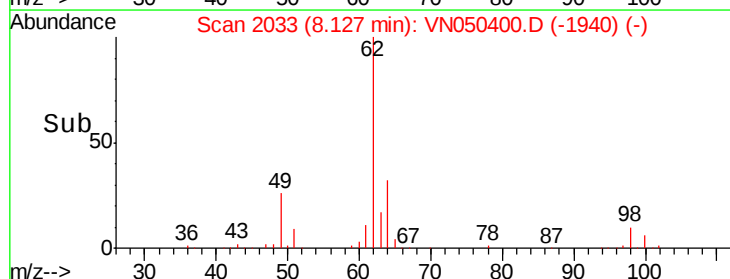
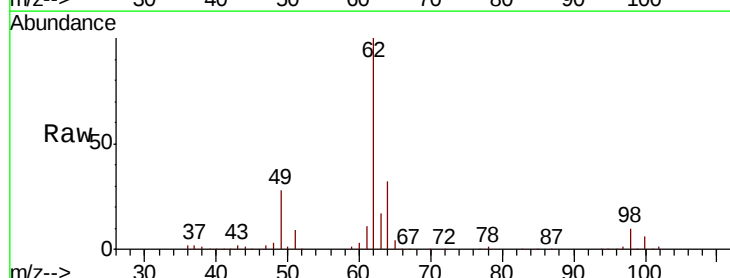
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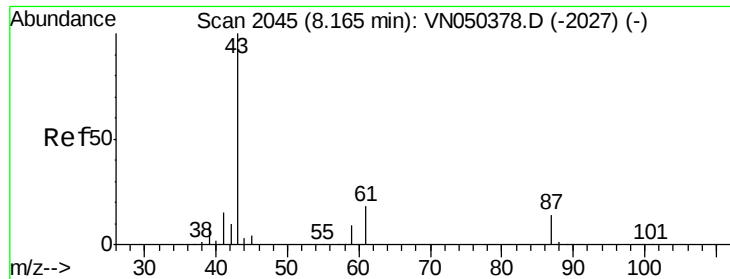
MMDadoda
8/7/2018 9:59:07 AM



#42
1,2-Dichloroethane
Concen: 51.15 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.8





#43

Isopropyl Acetate

Concen: 53.90 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

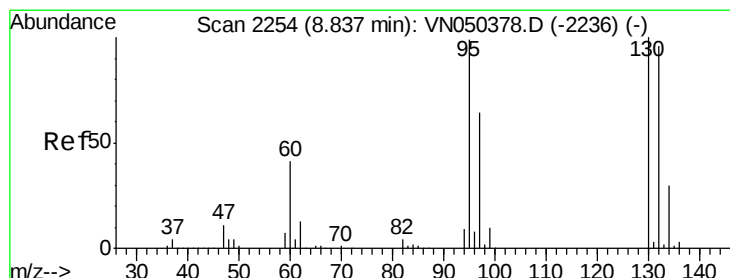
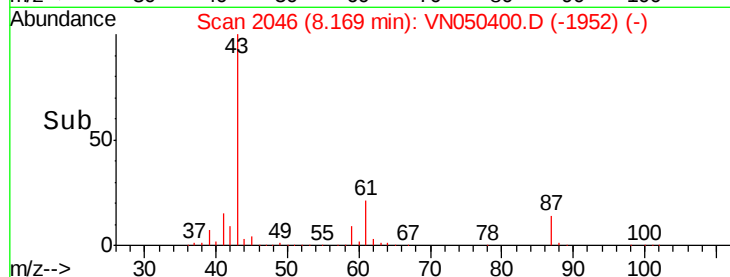
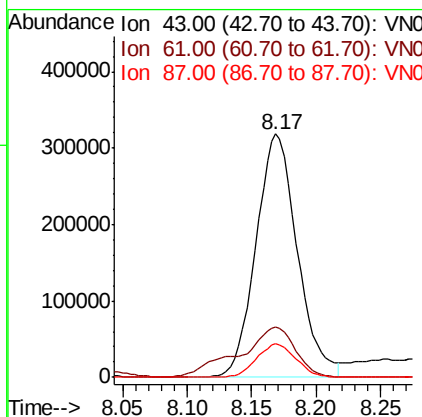
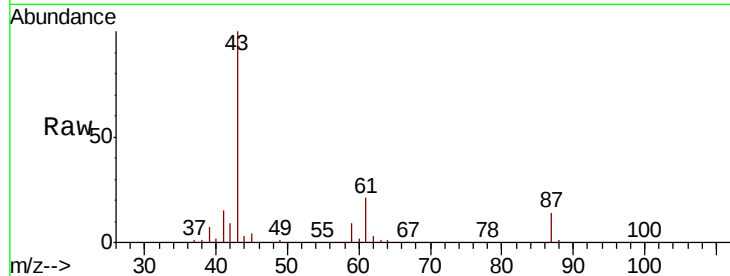
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	708897
Ion	Ratio	Lower	Upper
43	100		
61	27.7	15.8	23.6#
87	13.1	10.3	15.5

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#44

Trichloroethene

Concen: 48.27 ug/l

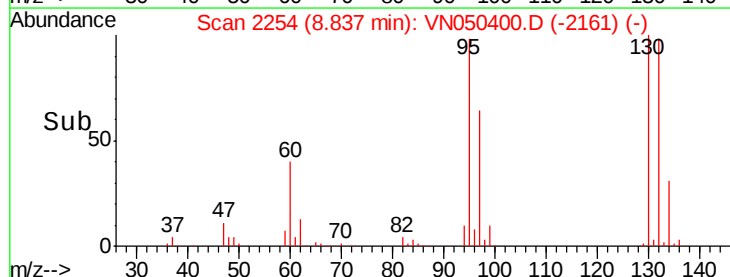
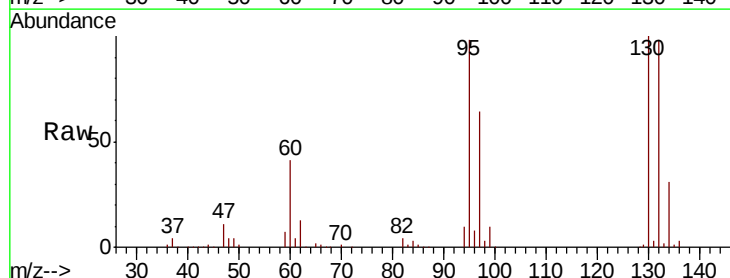
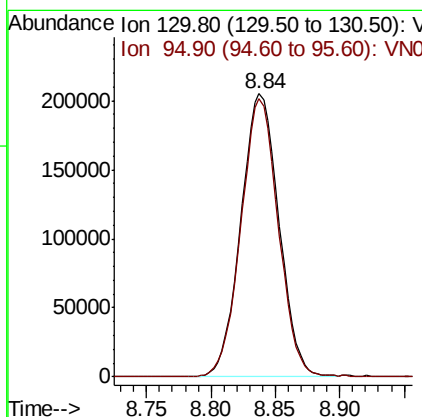
RT: 8.84 min Scan# 2254

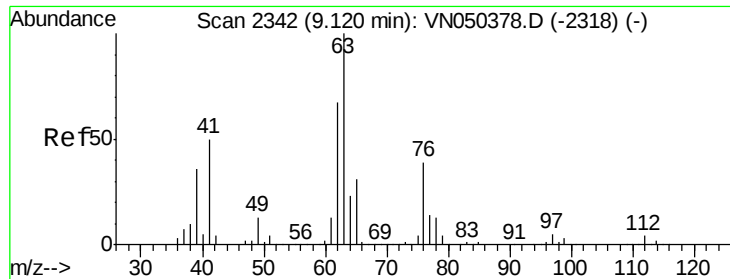
Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Tgt Ion:	130	Resp:	421905
Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	194.6





#45

1,2-Dichloropropane

Concen: 51.13 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 437274

Ion Ratio Lower Upper

63 100

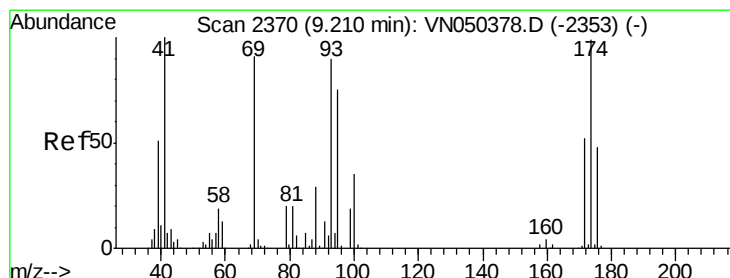
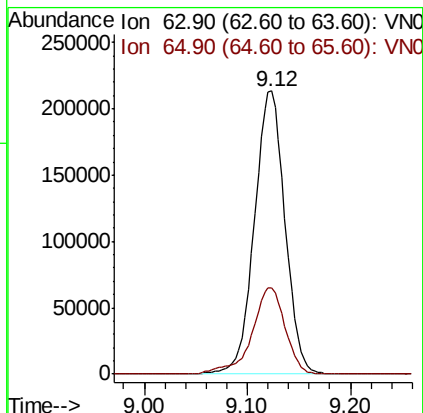
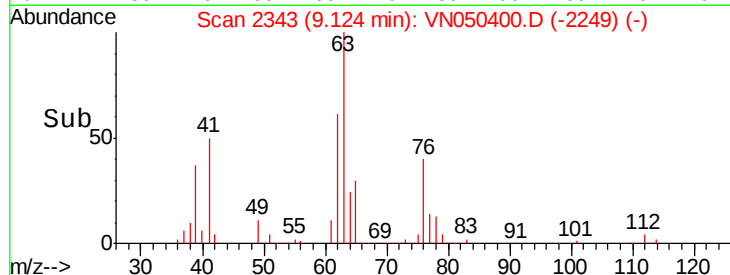
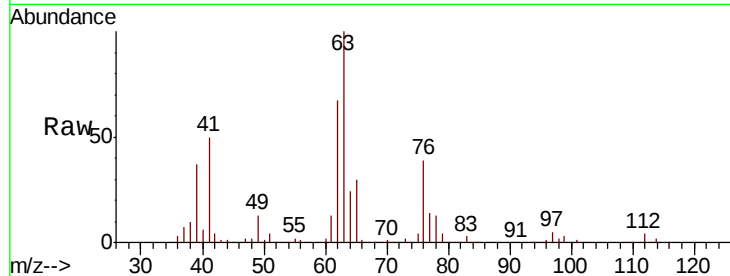
65 30.5 25.5 38.3

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#46

Dibromomethane

Concen: 51.48 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

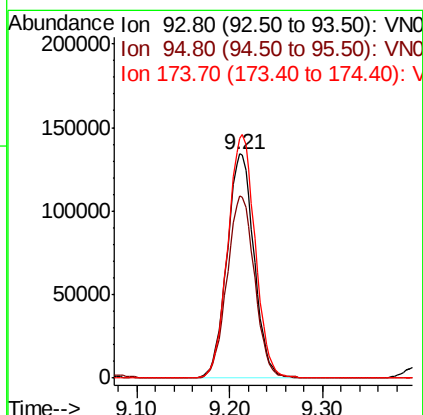
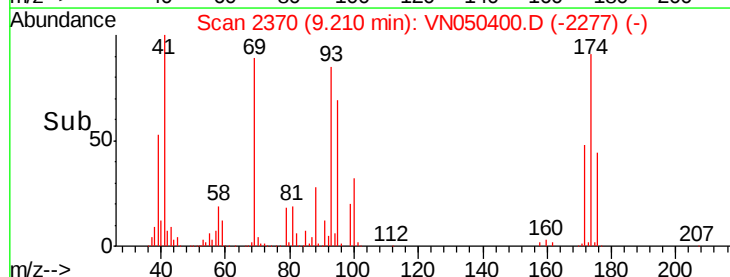
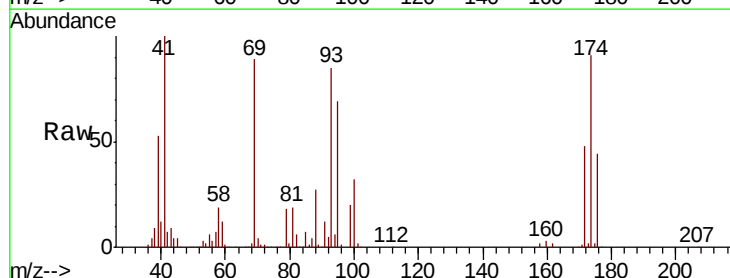
Tgt Ion: 93 Resp: 271854

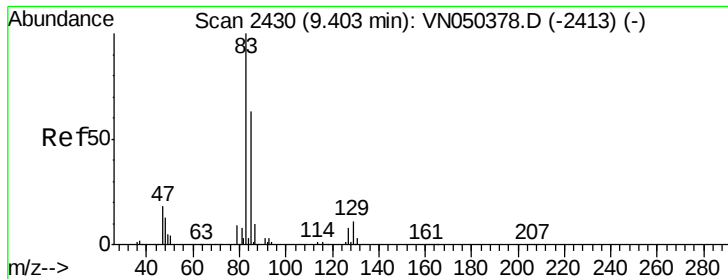
Ion Ratio Lower Upper

93 100

95 82.4 66.6 100.0

174 109.4 87.1 130.7





#47

Bromodichloromethane

Concen: 50.93 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

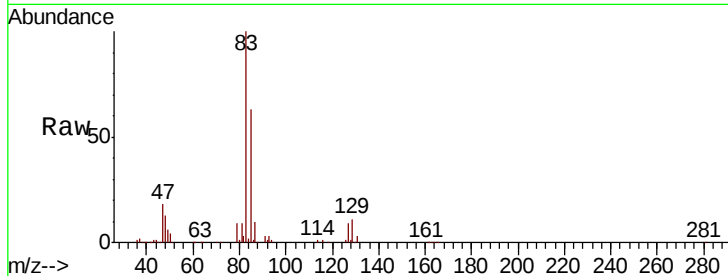
ClientSampleId :

VSTDCCC050

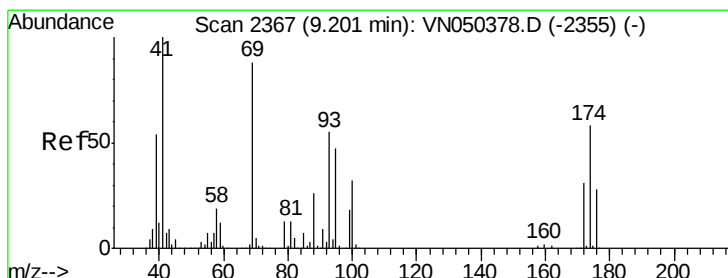
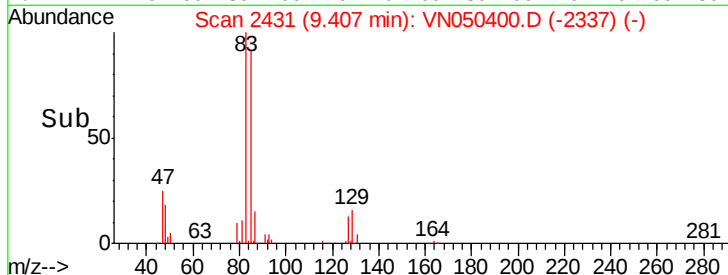
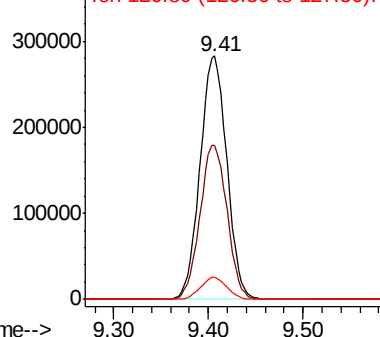
Tot Ion:	83	Resp:	557098
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	9.3	7.0	10.4

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Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-2413) (-)



#48

Methyl methacrylate

Concen: 53.58 ug/l

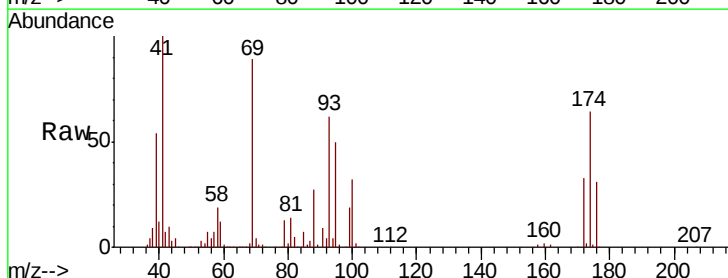
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

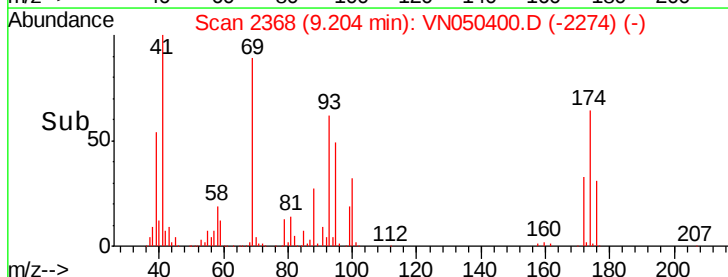
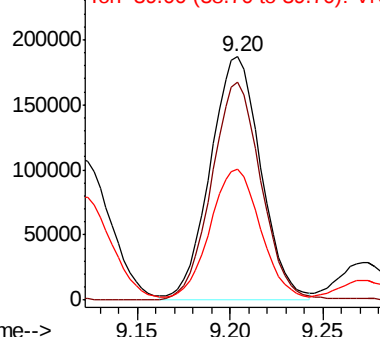
Lab File: VN050400.D

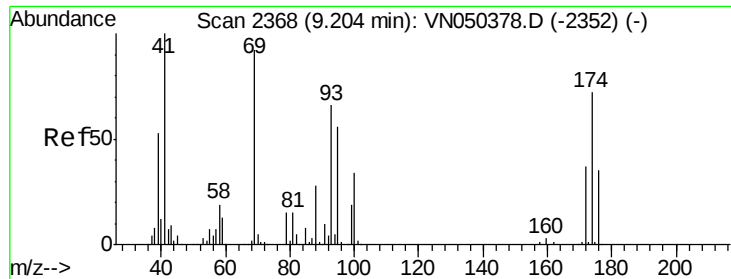
Acq: 6 Aug 2018 22:29

Tgt Ion:	41	Resp:	353206
Ion	Ratio	Lower	Upper
41	100		
69	88.9	70.6	105.8
39	54.2	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN050378.D (-2355) (-)





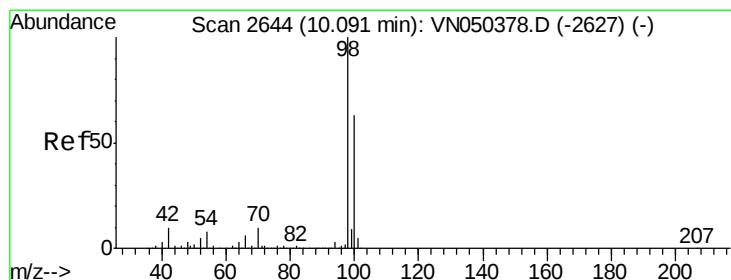
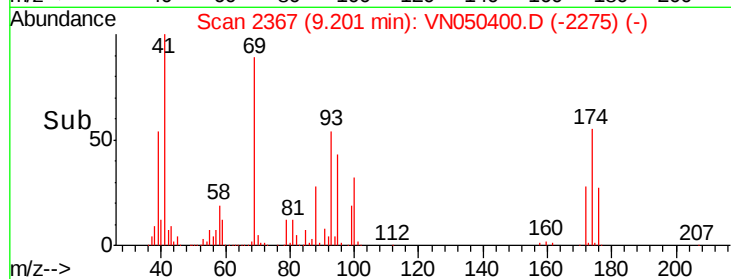
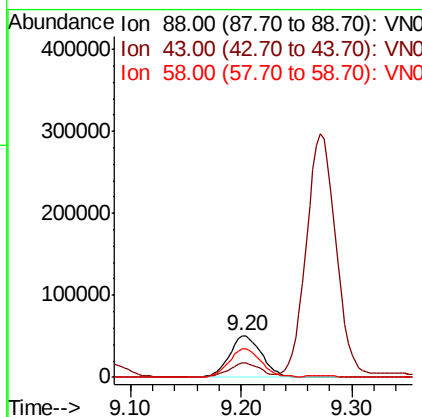
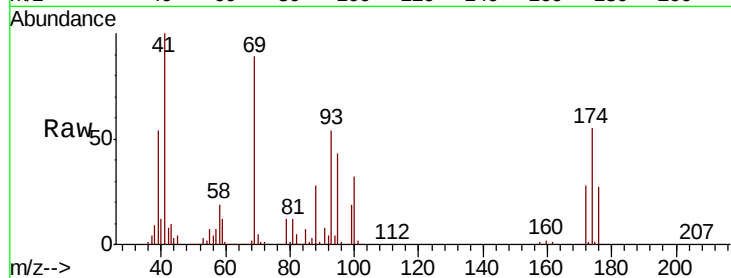
#49
 1,4-Dioxane
 Concen: 1024.07 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.1	26.9	40.3	
58	69.0	57.3	85.9	

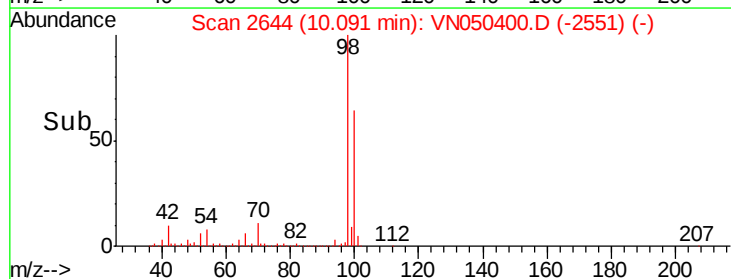
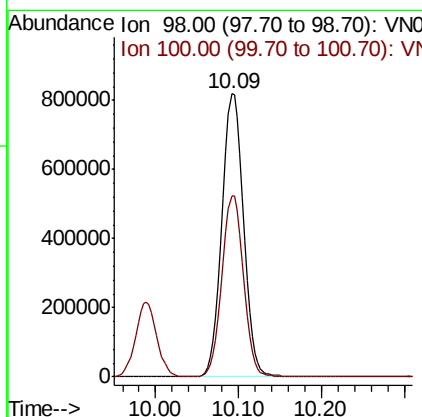
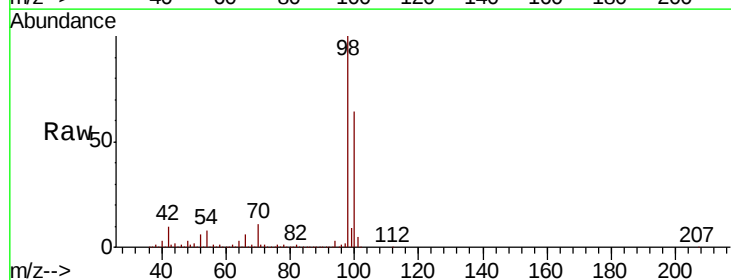
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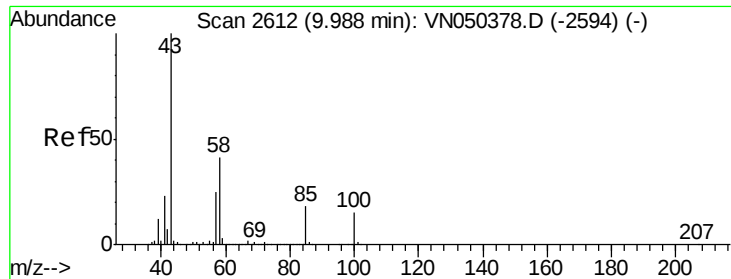
MMDadoda
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#50
 Toluene-d8
 Concen: 50.99 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.6	50.7	76.1	





#51

4-Methyl-2-Pentanone

Concen: 272.41 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2580411

Ion Ratio Lower Upper

43 100

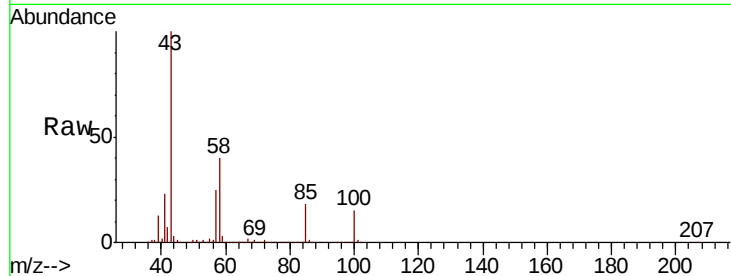
58 40.0 31.9 47.9

Manual Integrations

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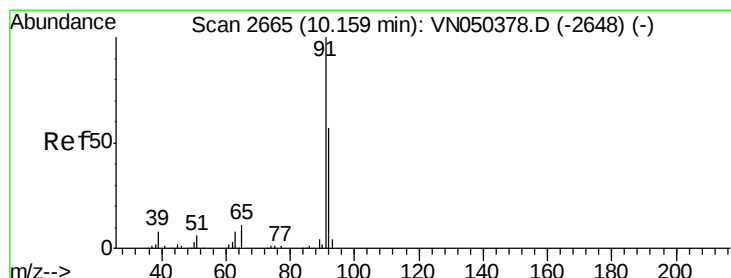
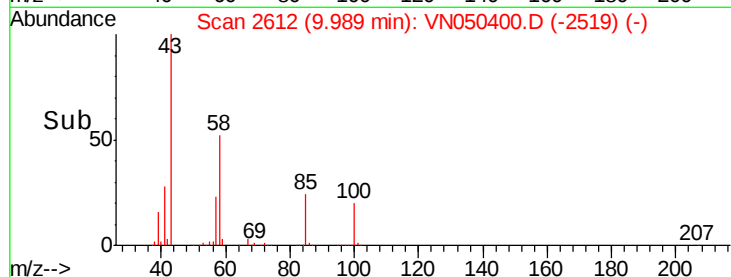
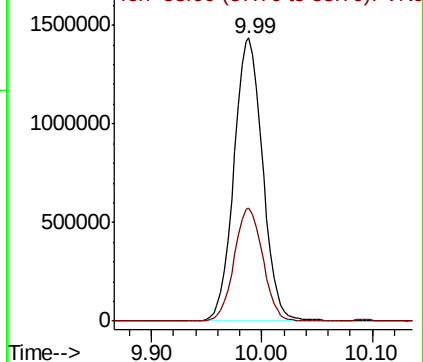
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.08 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050400.D

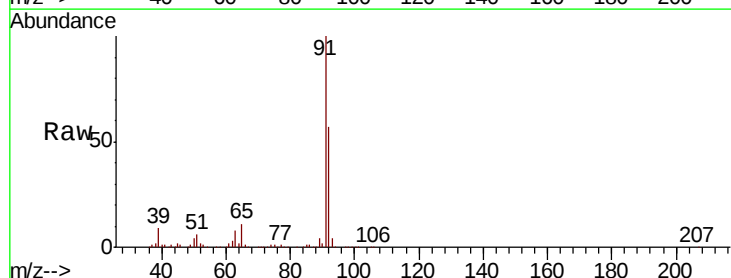
Acq: 6 Aug 2018 22:29

Tgt Ion: 92 Resp: 1017621

Ion Ratio Lower Upper

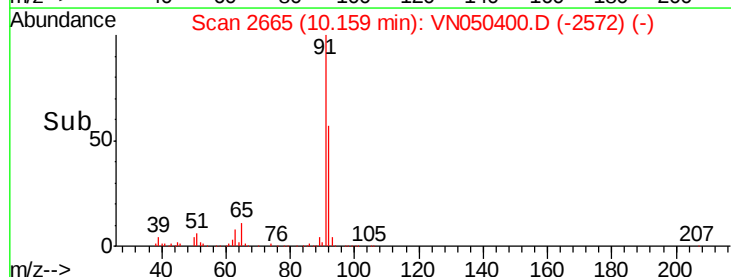
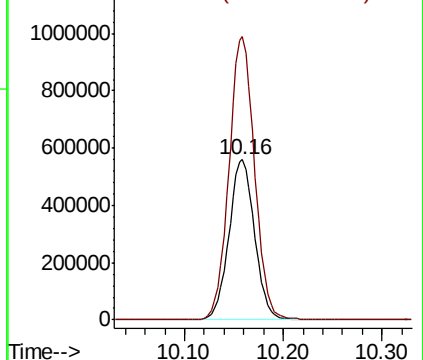
92 100

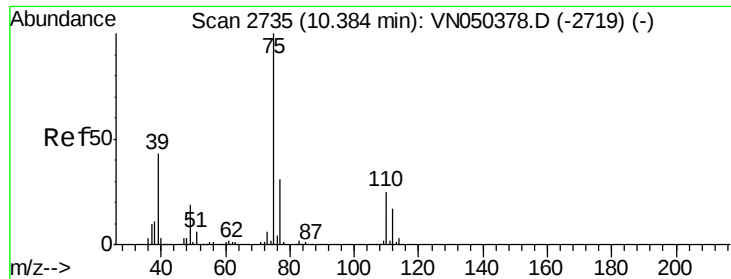
91 176.4 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





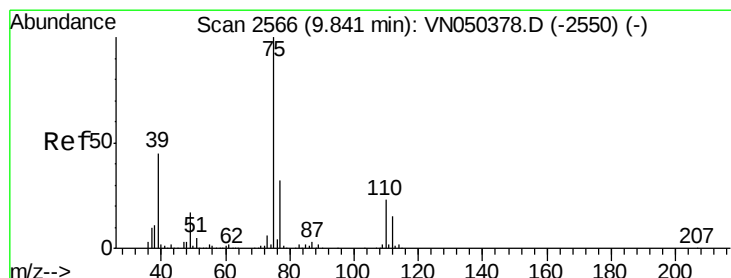
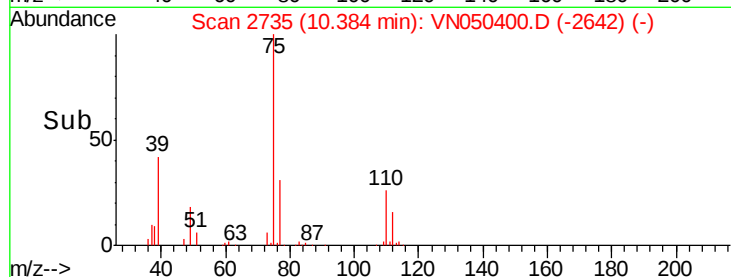
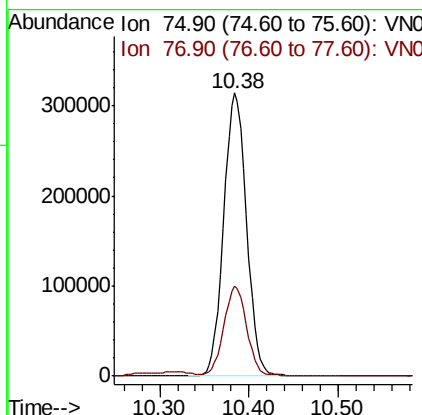
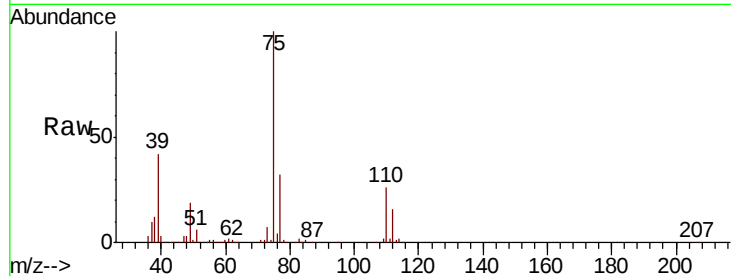
#53
t-1,3-Dichloropropene
Concen: 50.79 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3

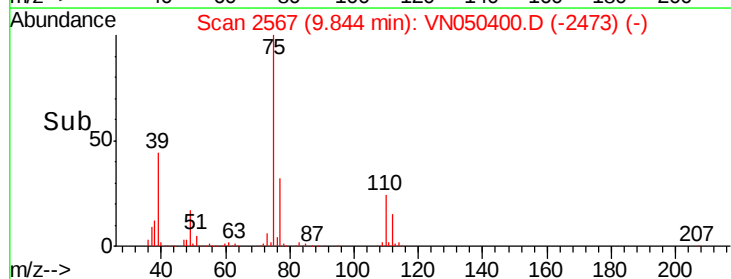
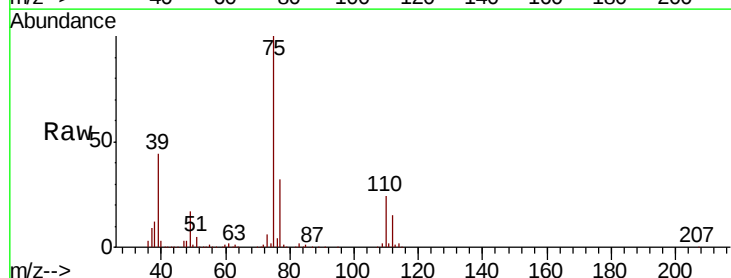
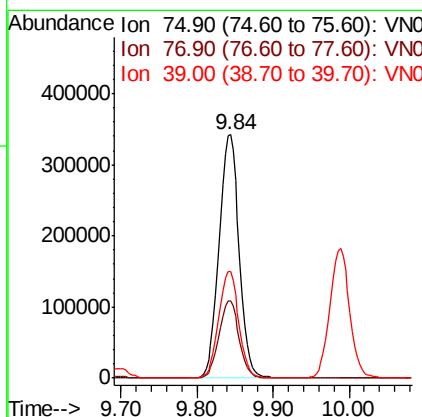
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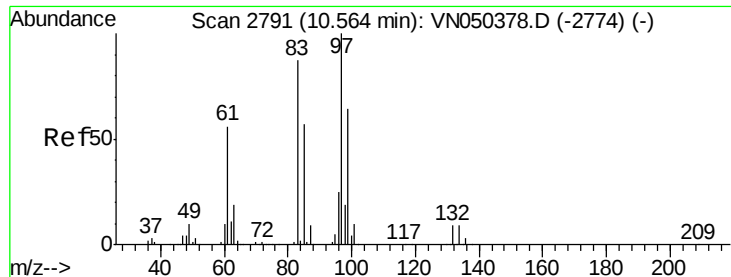
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.17 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	43.6	36.6	55.0





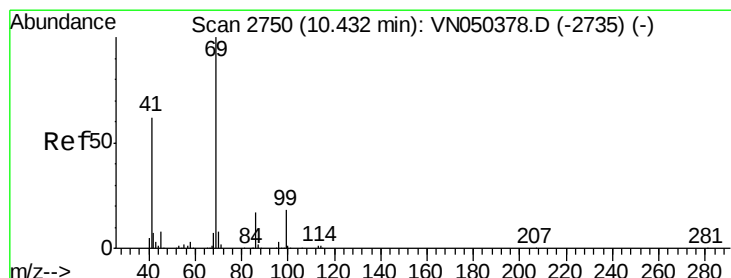
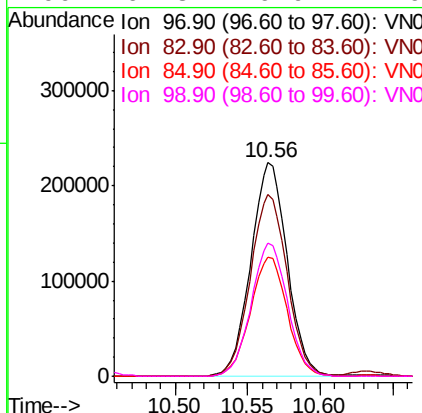
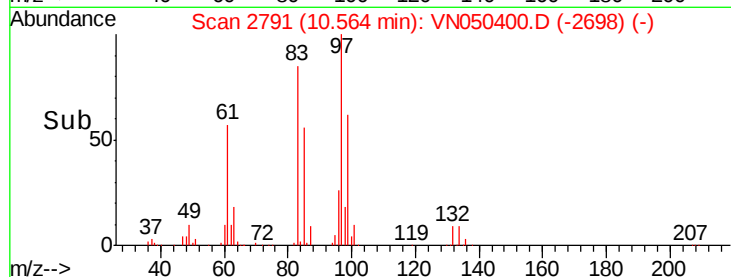
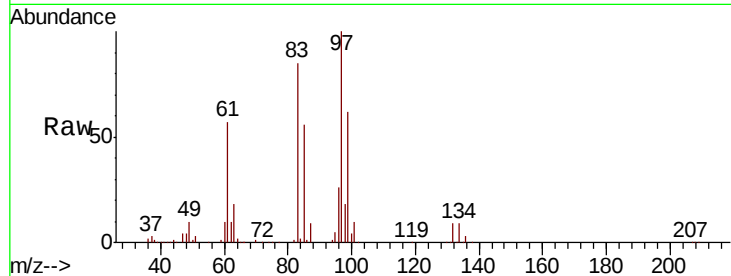
#55
 1,1,2-Trichloroethane
 Concen: 51.34 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	391638		
83	85.1	69.2	103.8	
85	55.9	44.0	66.0	
99	62.3	49.9	74.9	

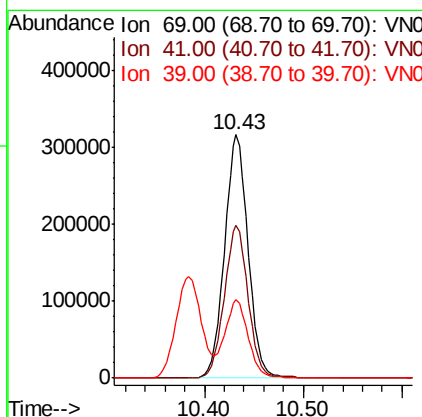
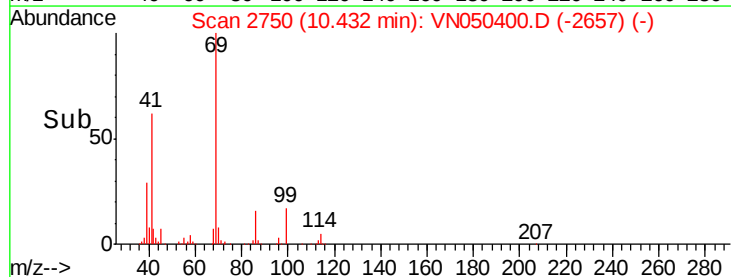
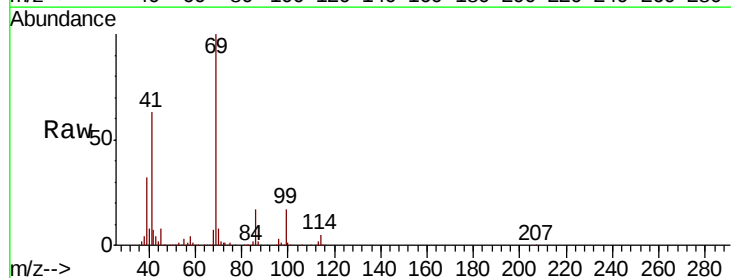
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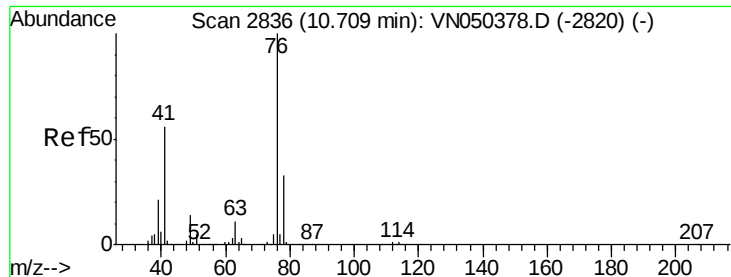
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#56
 Ethyl methacrylate
 Concen: 49.04 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	529018		
41	62.8	51.0	76.4	
39	31.9	26.6	40.0	





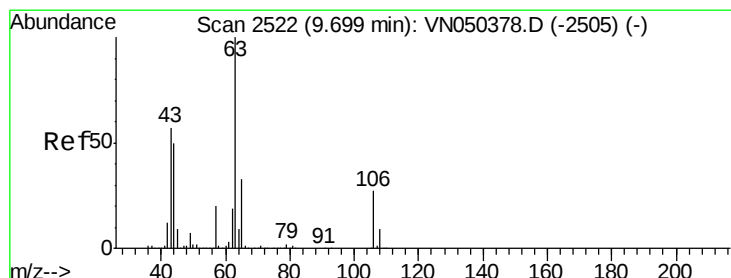
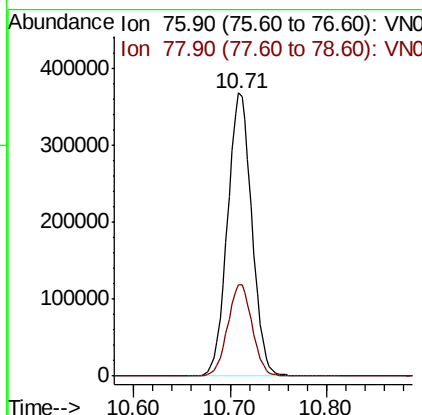
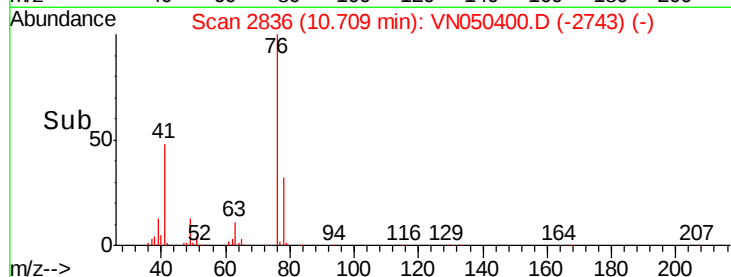
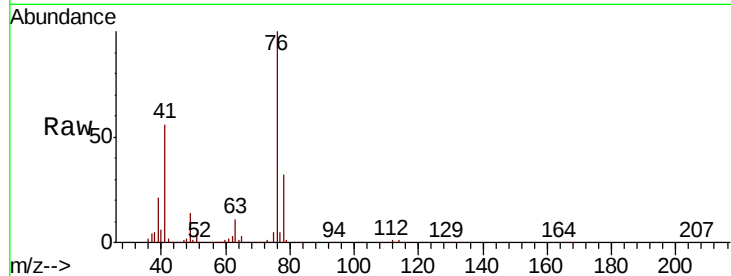
#57
 1,3-Dichloropropane
 Concen: 51.41 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 643715
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

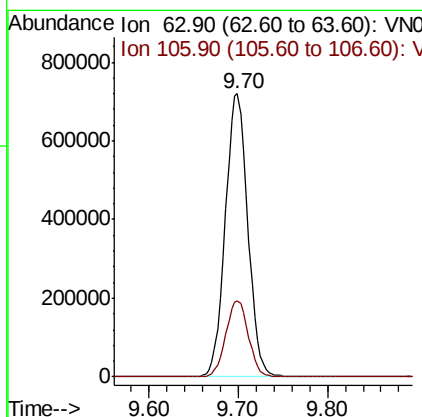
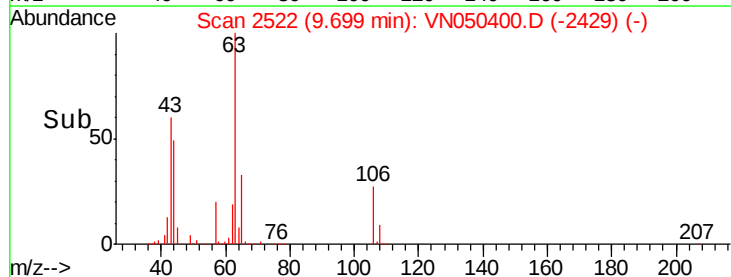
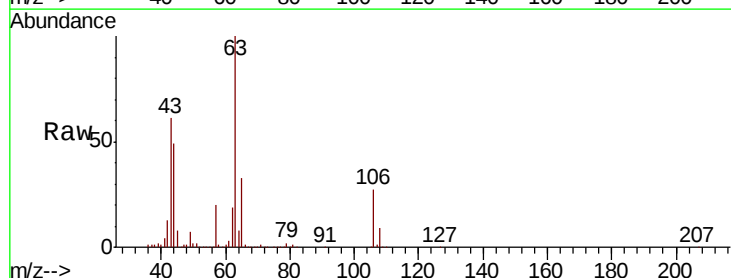
Manual Integrations
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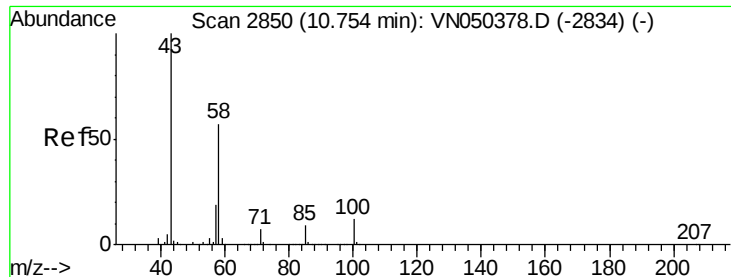
MMDadoda
 8/7/2018 9:59:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.86 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion: 63 Resp: 1257169
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5





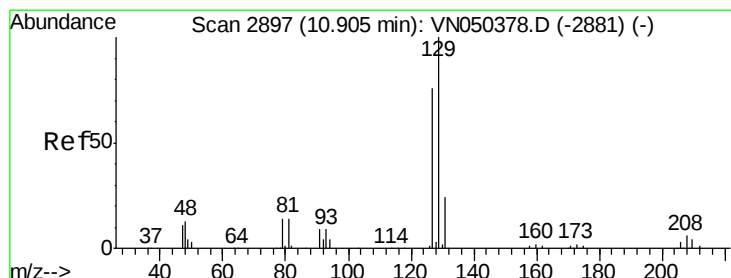
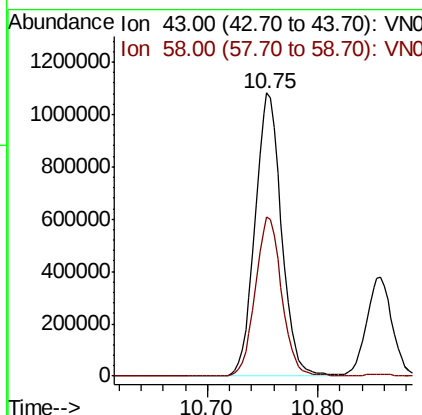
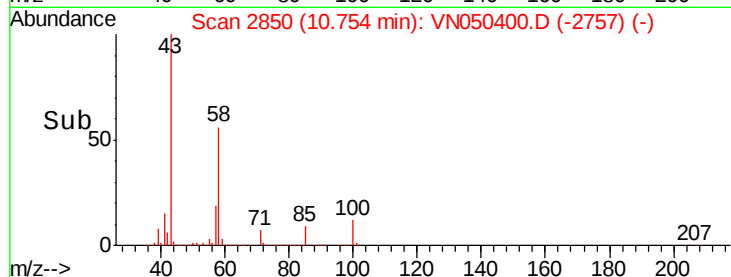
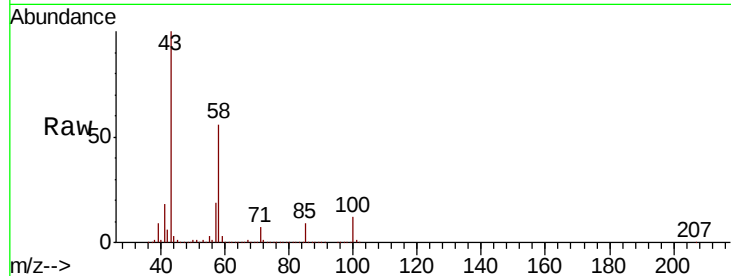
#59
2-Hexanone
Concen: 271.14 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1792450
Ion Ratio Lower Upper
43 100
58 56.2 27.6 82.7

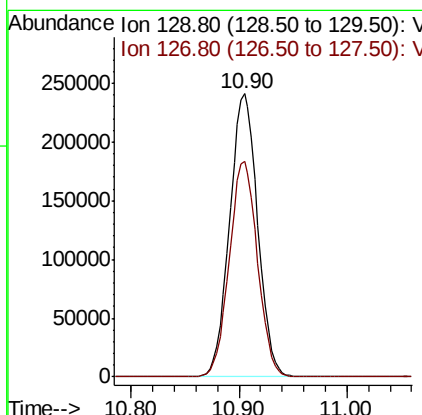
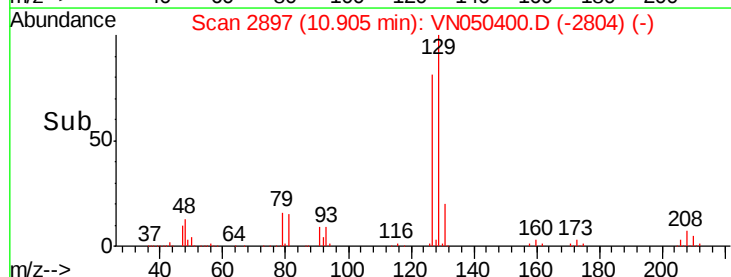
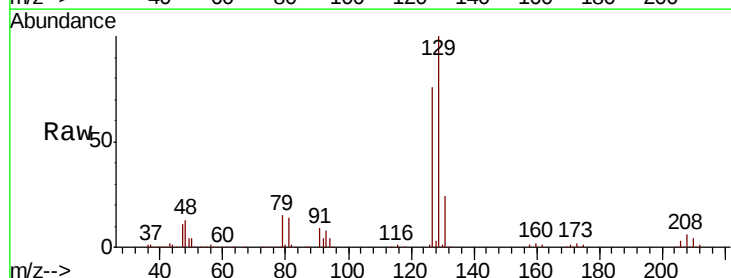
Manual Integrations
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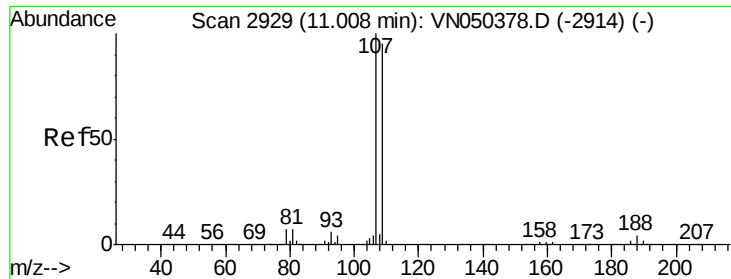
MMDadoda
8/7/2018 9:59:07 AM



#60
Dibromochloromethane
Concen: 51.94 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 129 Resp: 436454
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9





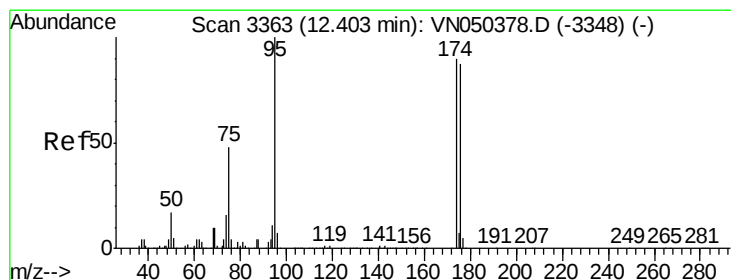
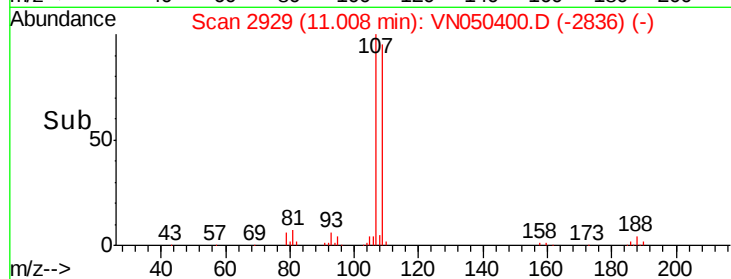
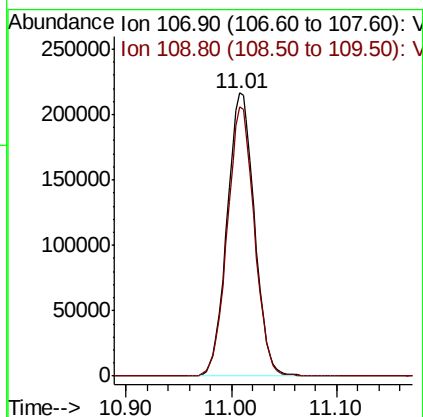
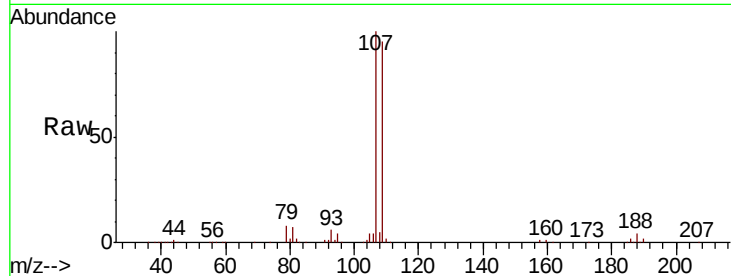
#61
 1,2-Dibromoethane
 Concen: 51.55 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.6	112.0

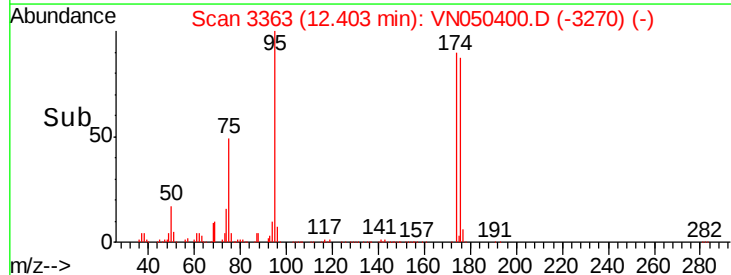
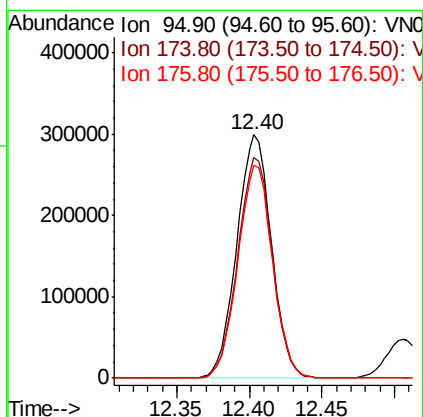
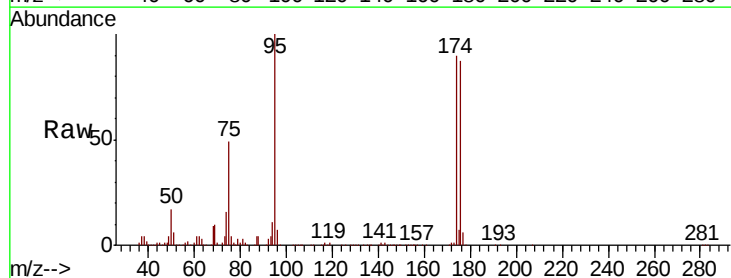
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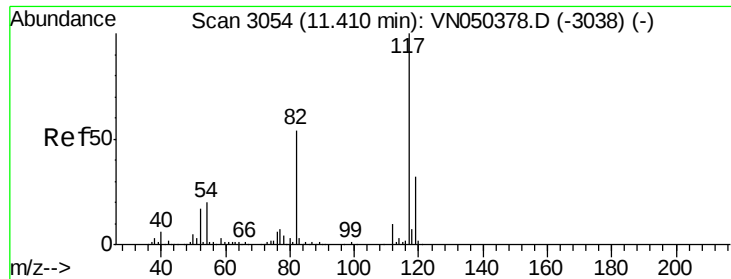
MMDadoda
 8/7/2018 9:59:07 AM



#62
 4-Bromofluorobenzene
 Concen: 49.95 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	178.2
176	87.7	0.0	173.4





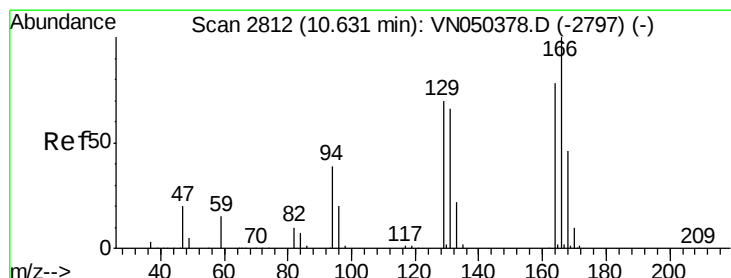
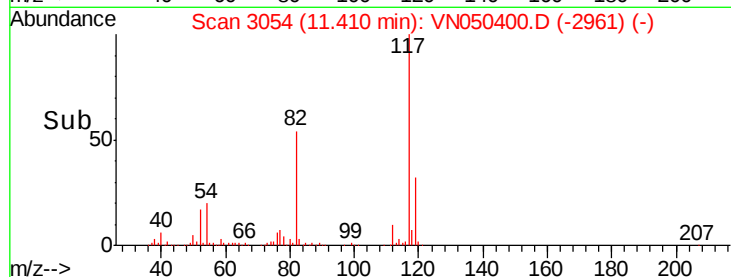
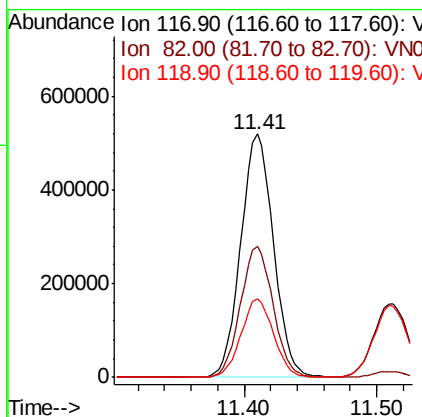
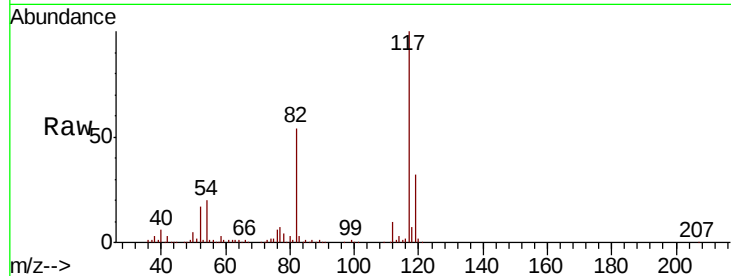
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	32.5	26.1	39.1

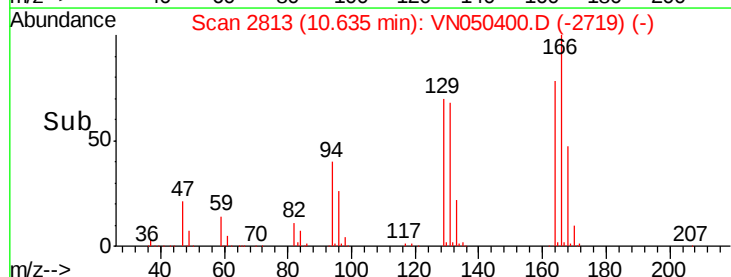
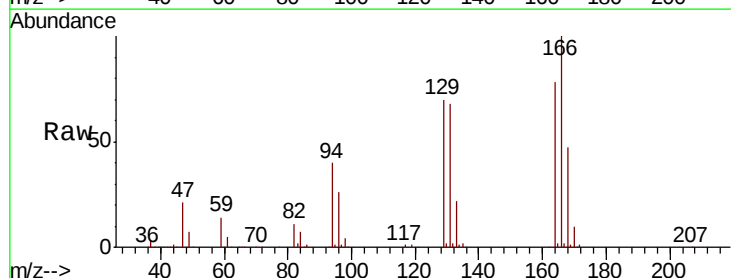
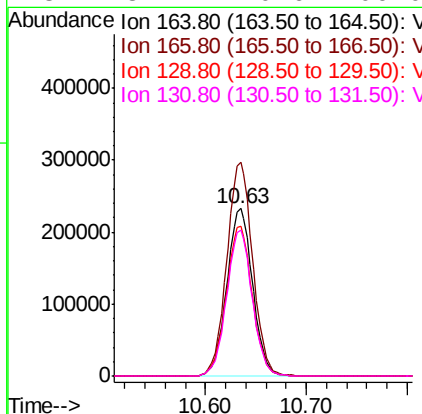
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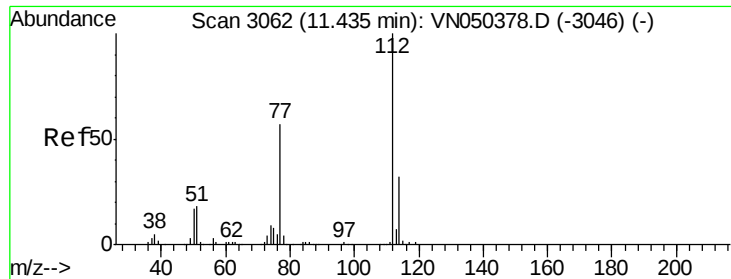
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#64
Tetrachloroethene
Concen: 49.75 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.1	153.1
129	89.9	73.2	109.8
131	87.4	70.6	106.0





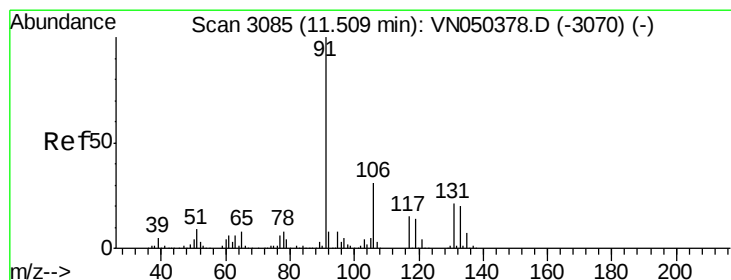
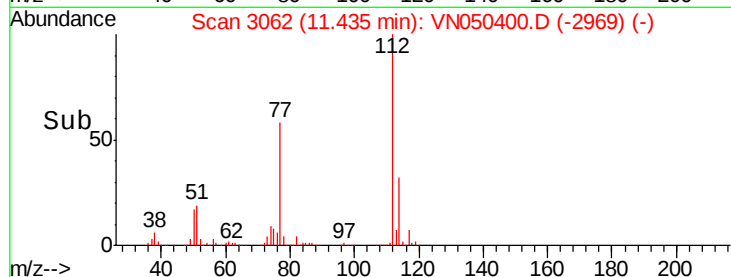
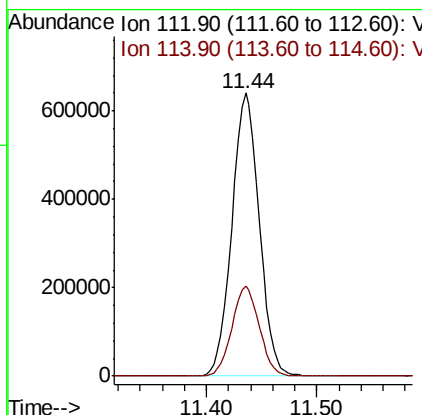
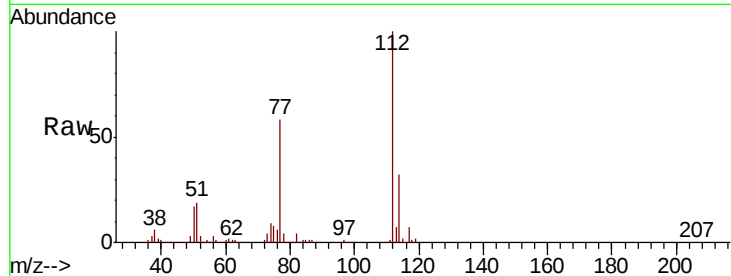
#65
Chlorobenzene
Concen: 49.23 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1101081
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

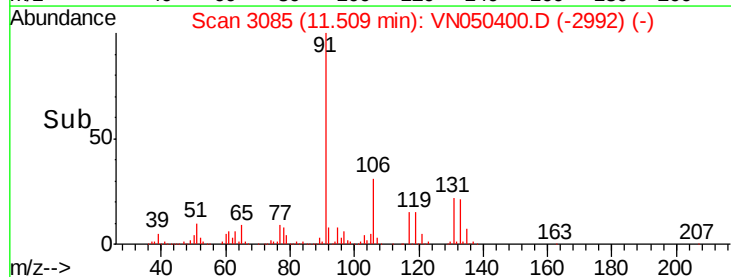
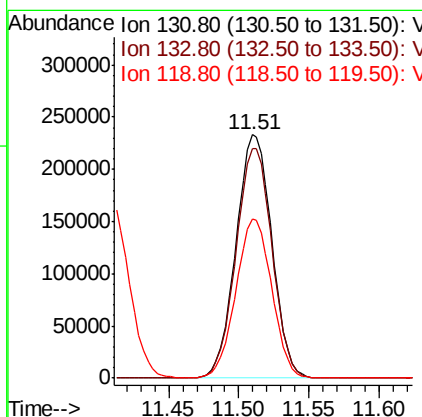
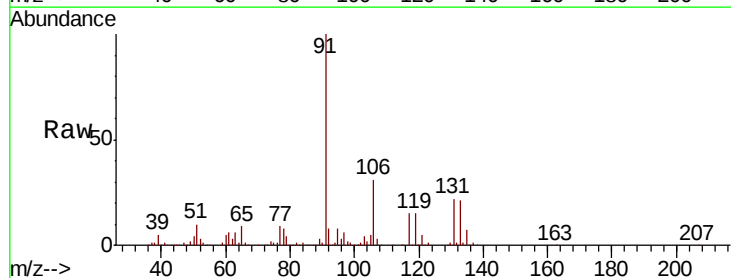
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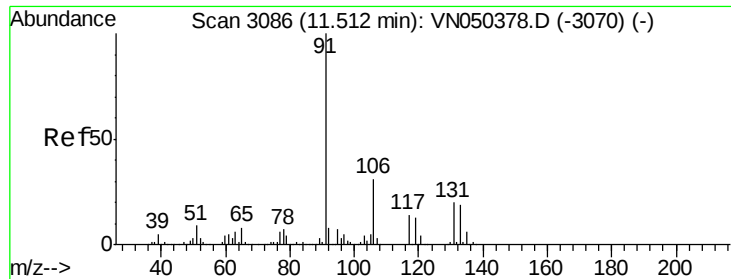
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.10 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion:131 Resp: 415928
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 65.6 32.9 98.7





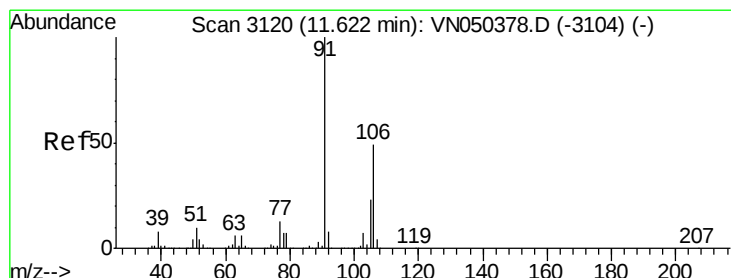
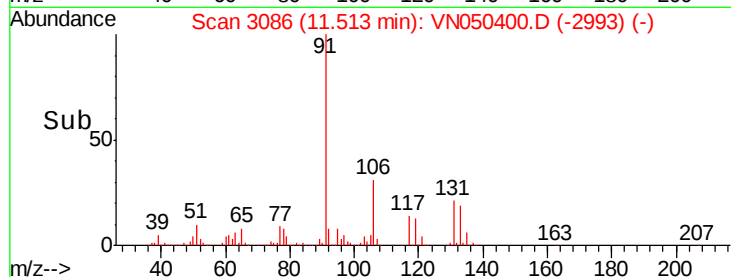
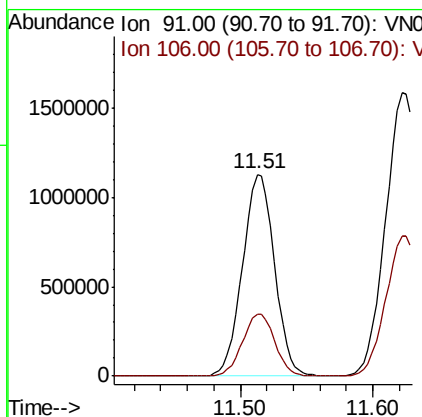
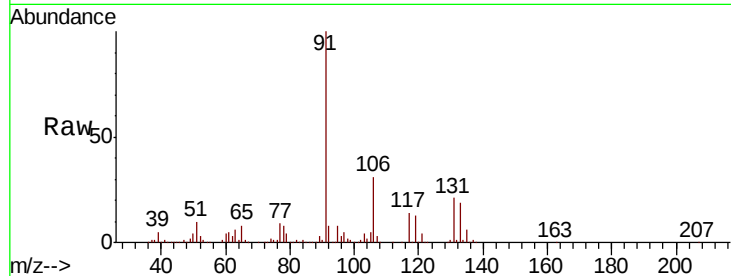
#67
Ethyl Benzene
Concen: 52.48 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1897138
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4

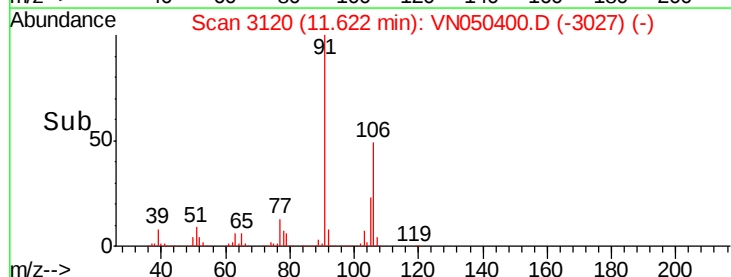
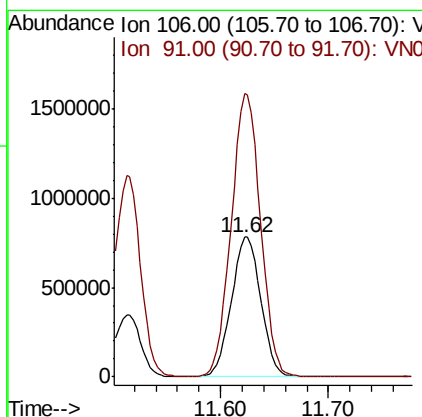
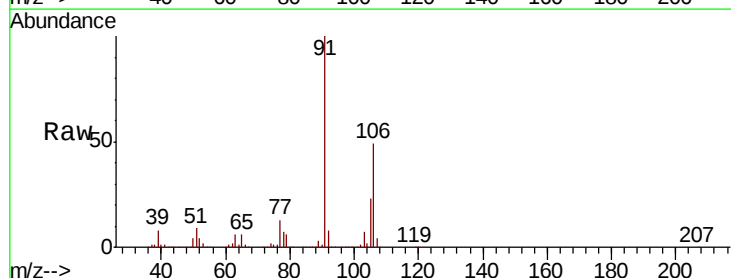
Manual Integrations
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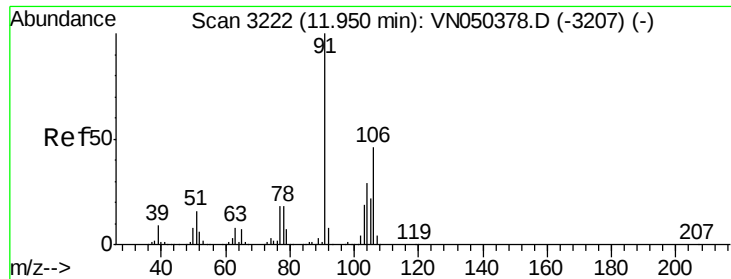
MMDadoda
8/7/2018 9:59:07 AM



#68
m/p-Xylenes
Concen: 107.91 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 106 Resp: 1485207
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.2





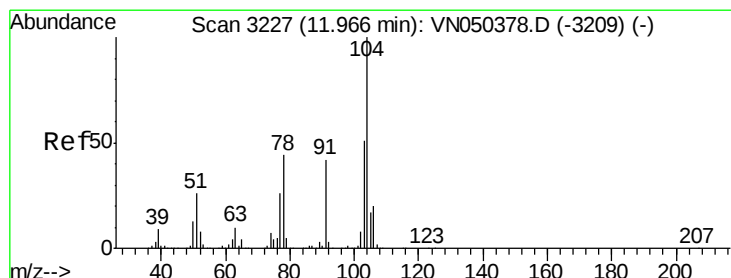
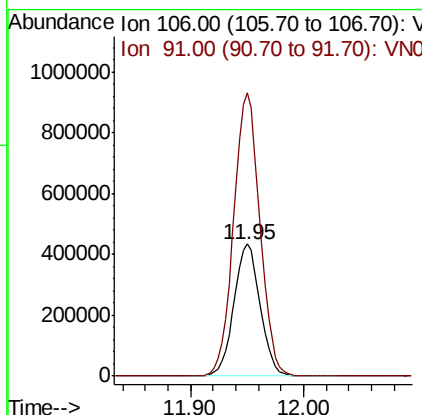
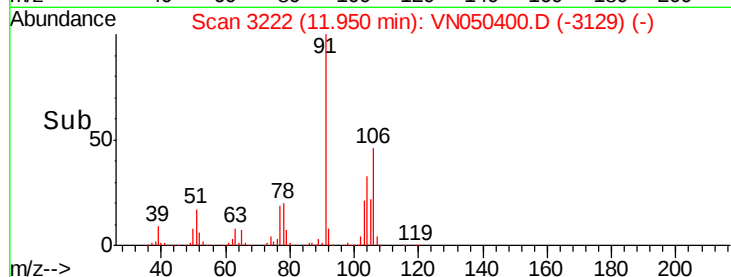
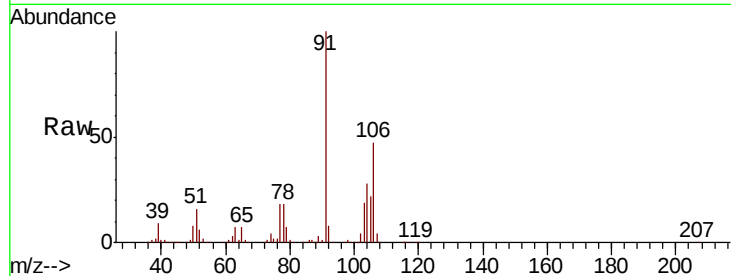
#69
o-Xylene
Concen: 52.77 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 699634
Ion Ratio Lower Upper
106 100
91 215.0 107.7 323.1

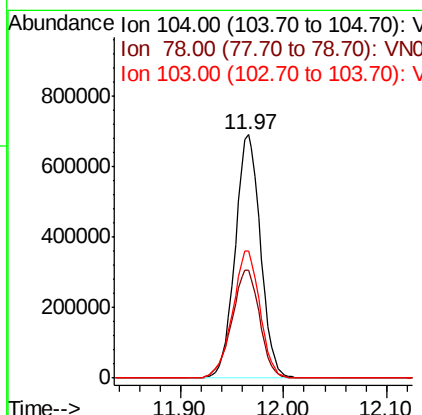
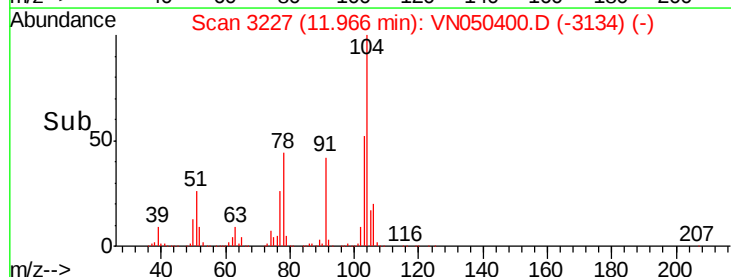
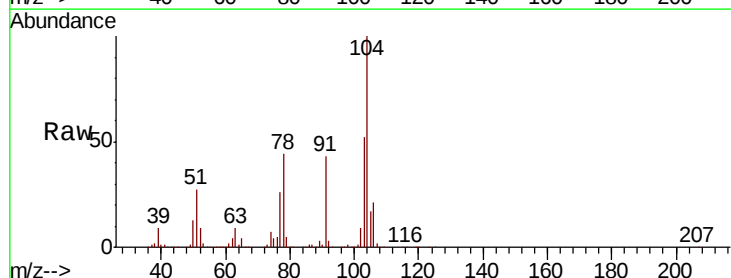
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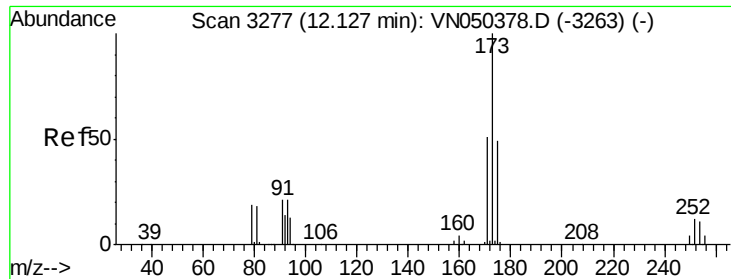
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#70
Styrene
Concen: 54.74 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion:104 Resp: 1180113
Ion Ratio Lower Upper
104 100
78 48.8 39.3 58.9
103 56.1 45.0 67.6





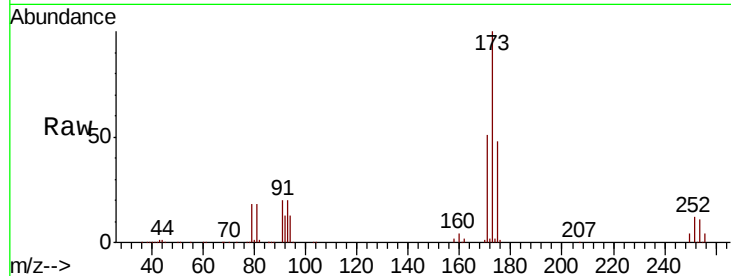
#71
Bromoform
Concen: 53.03 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.2
254	0.1	0.2	0.2

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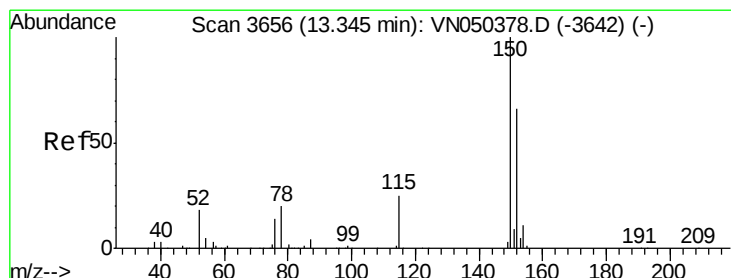
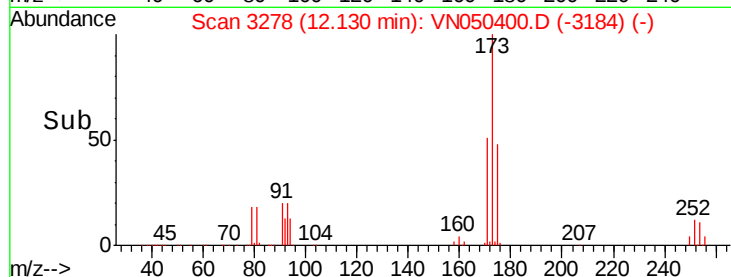
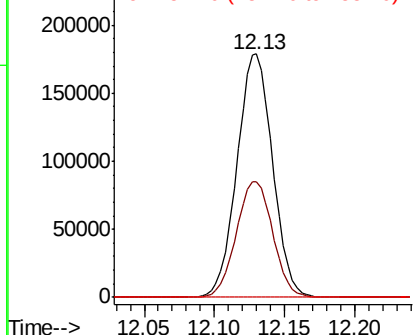


Abundance

Ion 172.70 (172.40 to 173.40): V

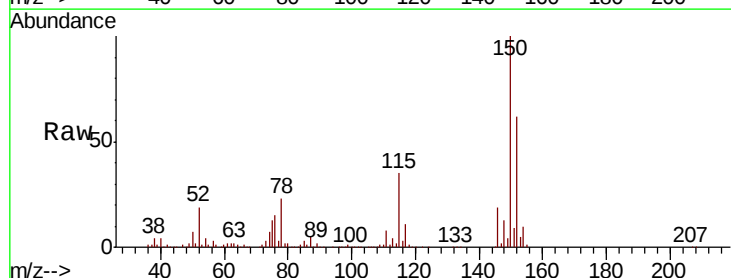
Ion 174.70 (174.40 to 175.40): V

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: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.3
150	173.8	0.0	348.6

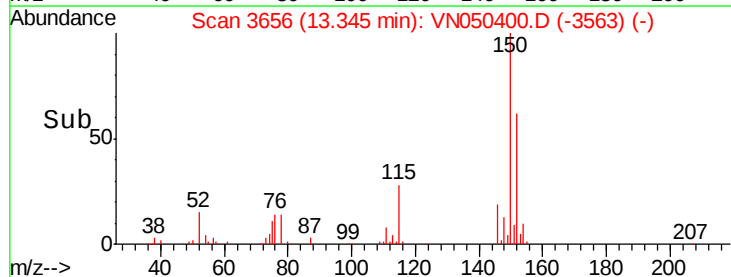
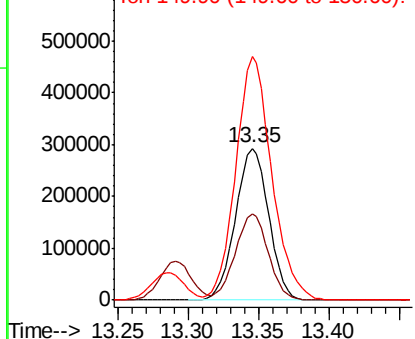


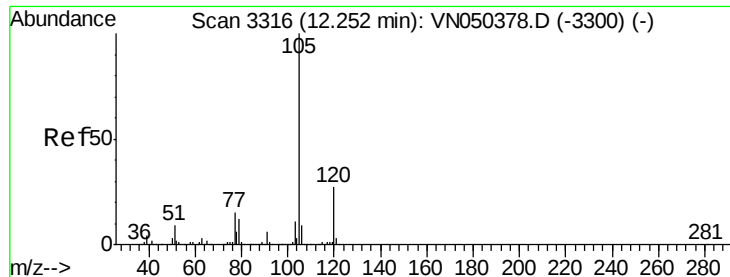
Abundance

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: 51.16 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1855167

Ion Ratio Lower Upper

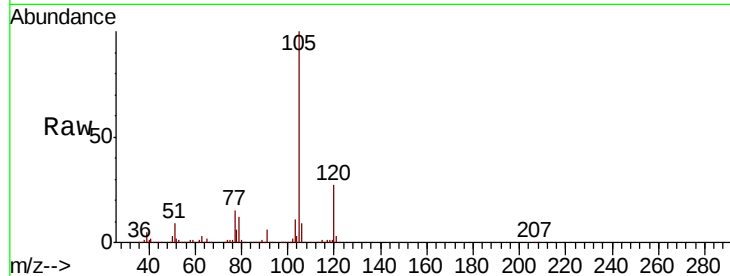
105 100

120 26.7 13.3 39.8

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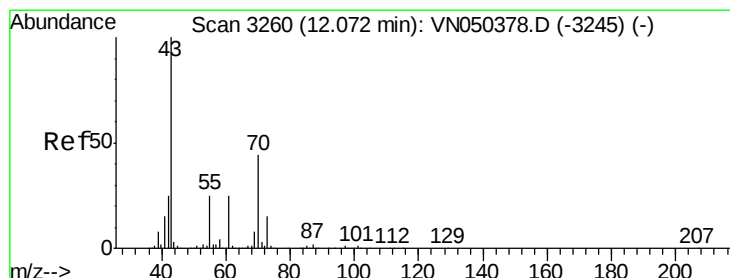
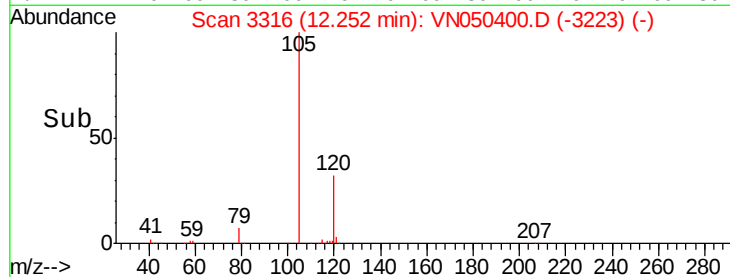
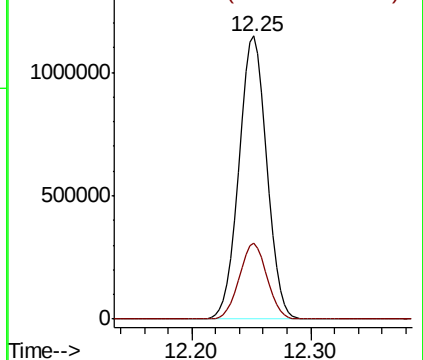
MMDadoda

8/7/2018 9:59:07 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.38 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Tgt Ion: 43 Resp: 615722

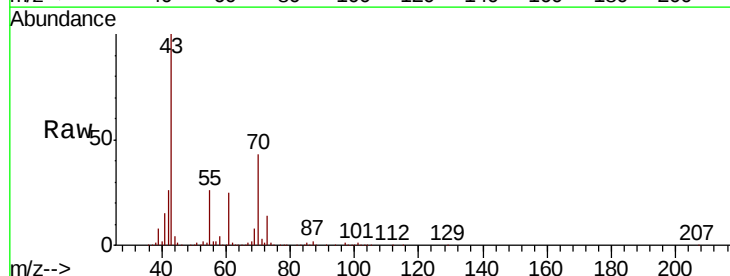
Ion Ratio Lower Upper

43 100

70 43.0 34.4 51.6

55 26.3 20.8 31.2

61 25.1 19.7 29.5

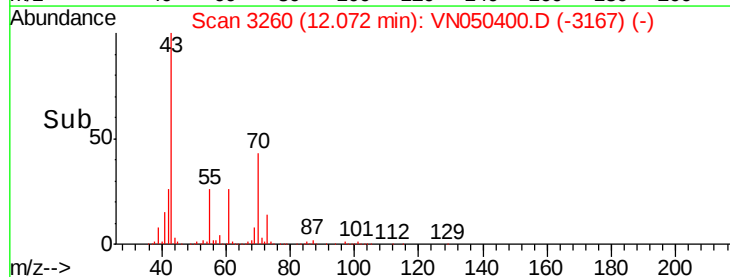
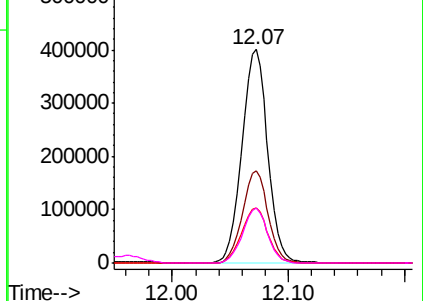


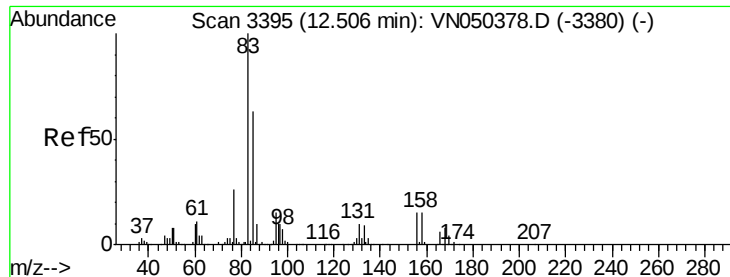
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.84 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 521485
Ion Ratio Lower Upper

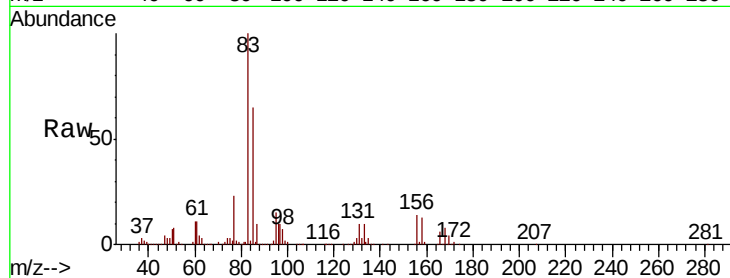
83 100

131 10.1 5.1 15.3

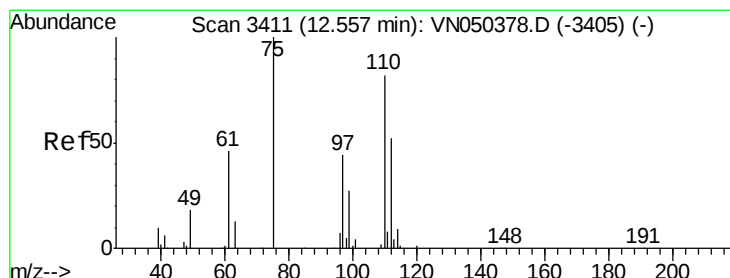
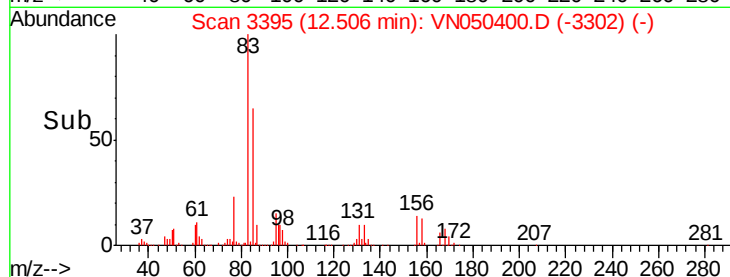
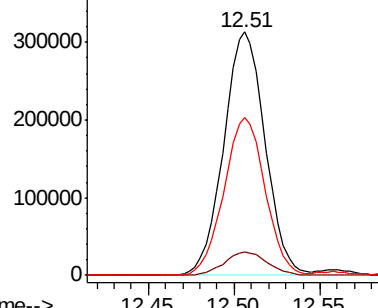
85 64.6 32.3 96.8

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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: 47.11 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

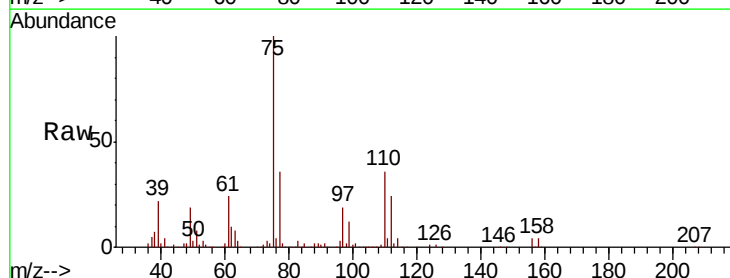
Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

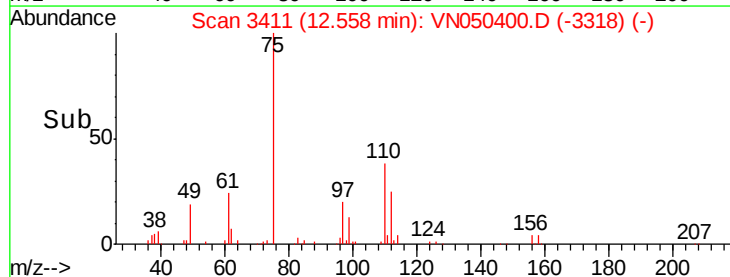
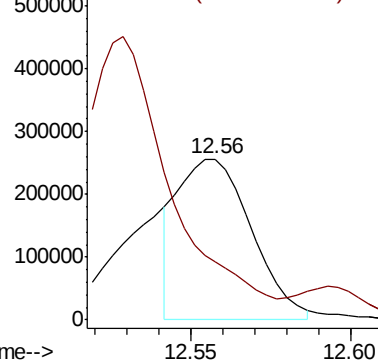
Tgt Ion: 75 Resp: 411933
Ion Ratio Lower Upper

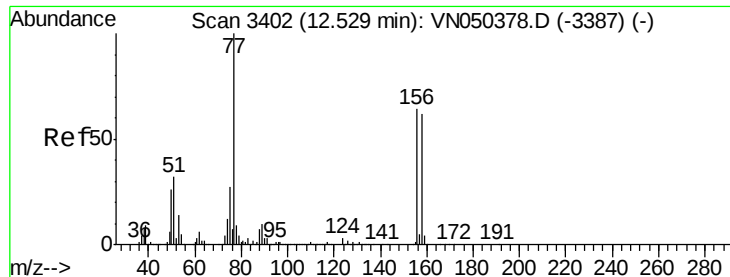
75 100

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: 50.09 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

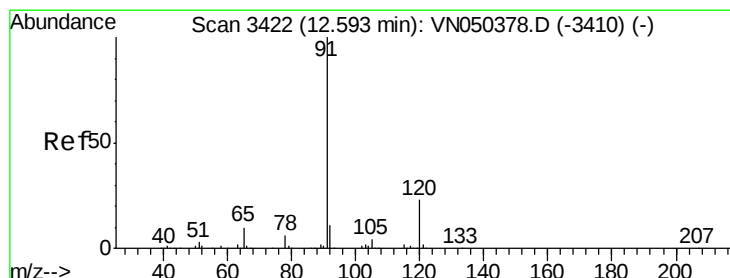
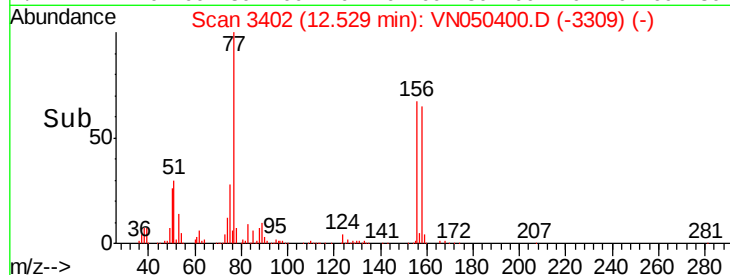
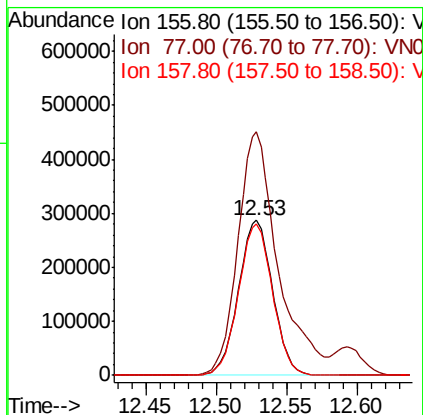
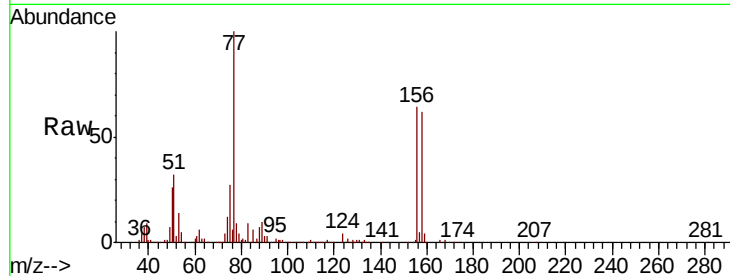
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.4	91.7	275.1
158	97.6	48.9	146.6

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#78

n-propylbenzene

Concen: 52.76 ug/l

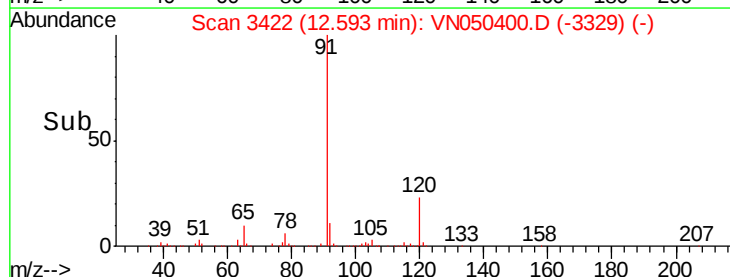
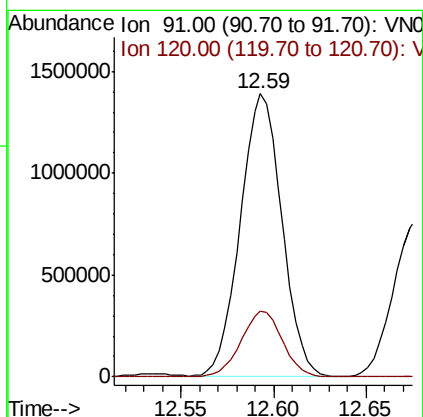
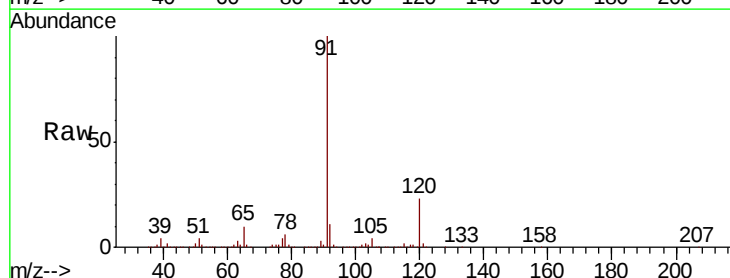
RT: 12.59 min Scan# 3422

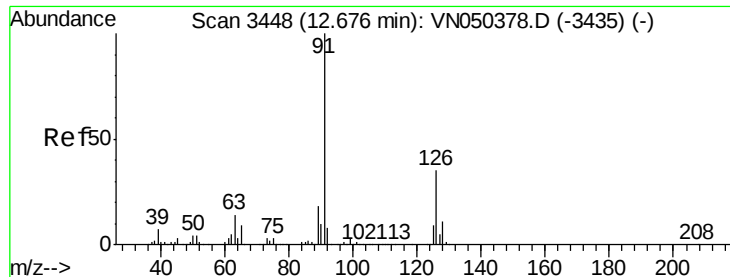
Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.6	34.7





#79

2-Chlorotoluene

Concen: 50.51 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1280388

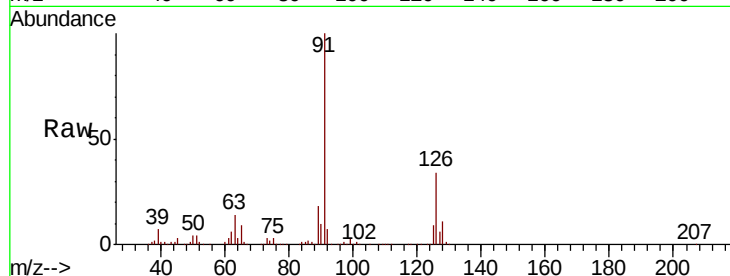
Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8

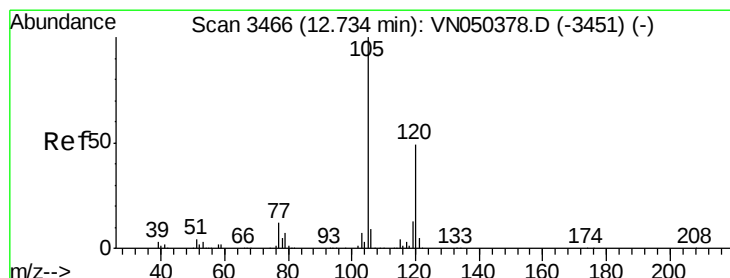
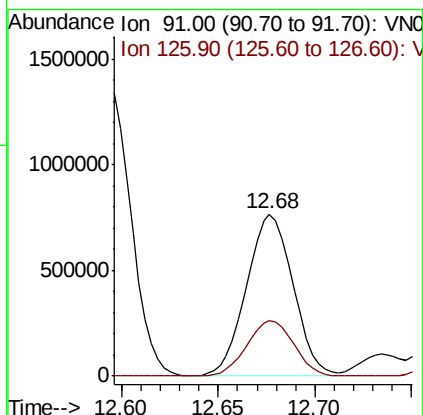
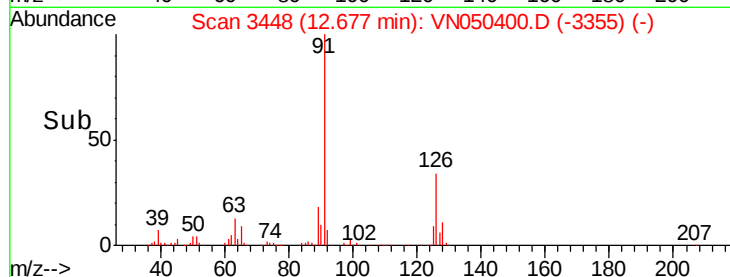
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Abundance Ion 91.00 (90.70 to 91.70): VN050400.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN050400.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.91 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050400.D

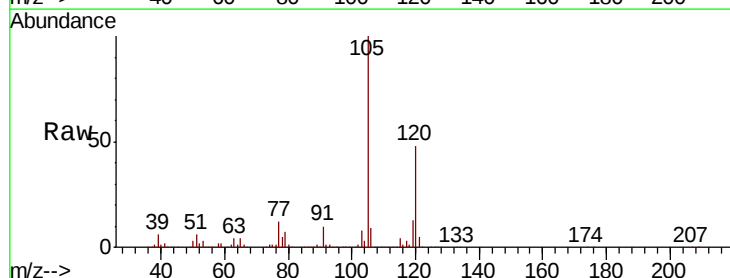
Acq: 6 Aug 2018 22:29

Tgt Ion:105 Resp: 1557587

Ion Ratio Lower Upper

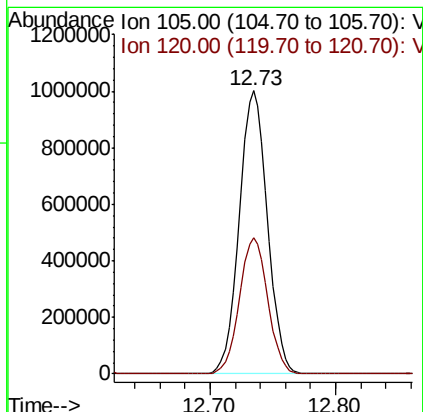
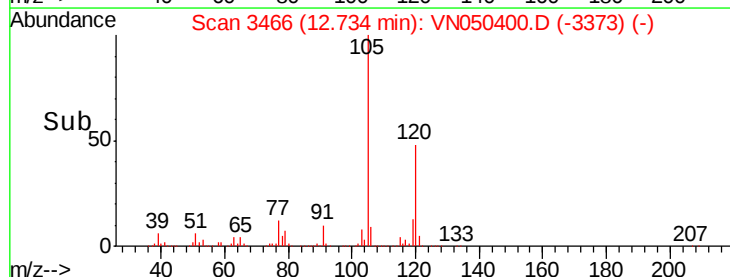
105 100

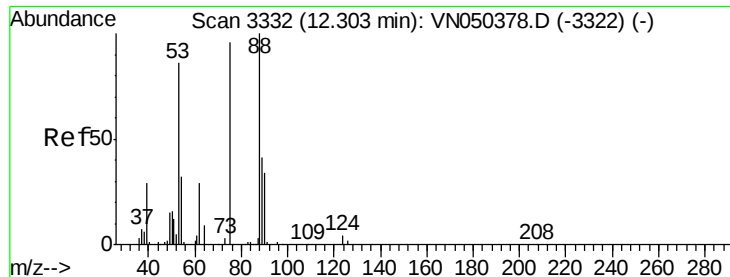
120 48.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050400.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN050400.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.43 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 137938

Ion Ratio Lower Upper

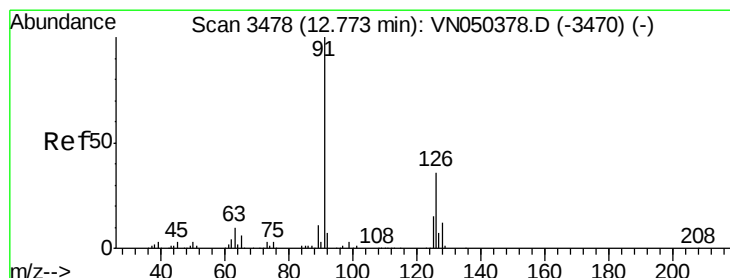
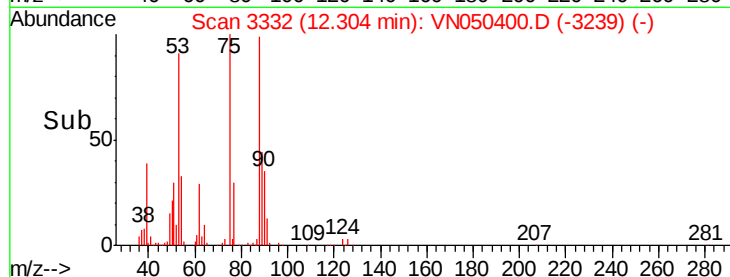
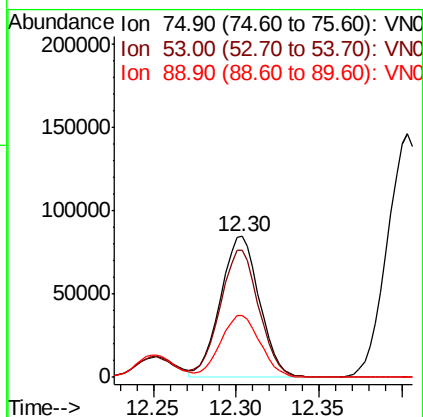
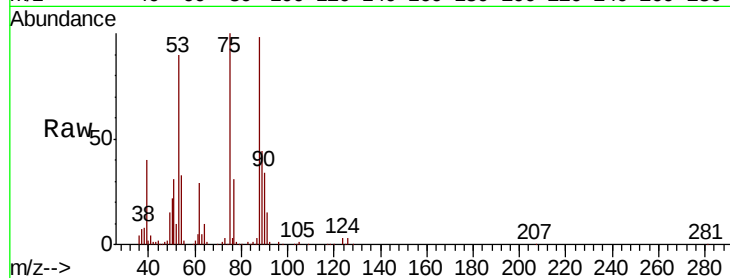
75 100

53 91.3 73.5 110.3

89 45.2 36.0 54.0

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#82

4-Chlorotoluene

Concen: 51.45 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050400.D

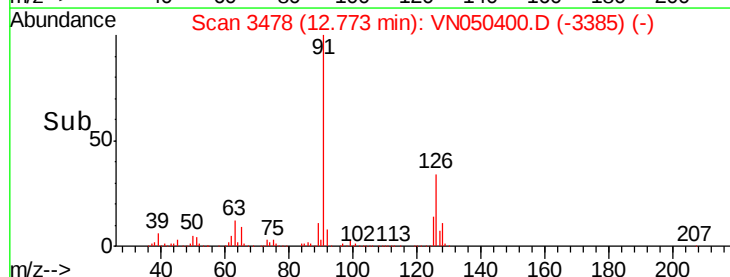
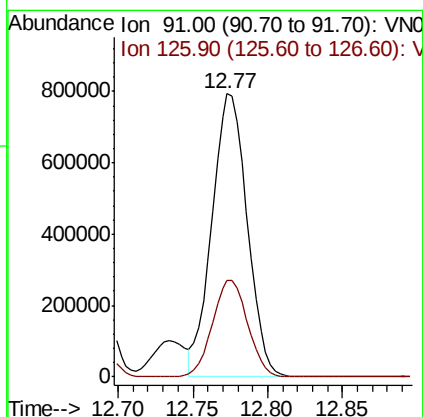
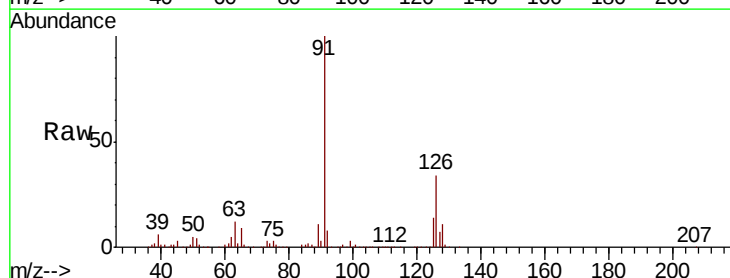
Acq: 6 Aug 2018 22:29

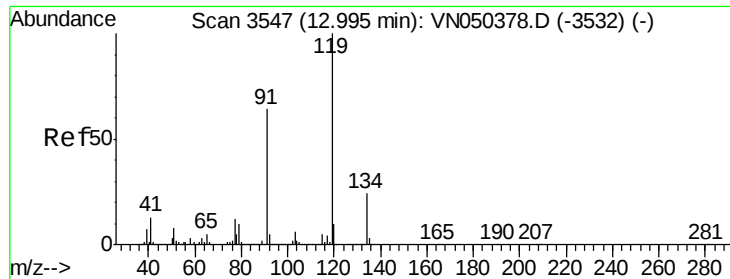
Tgt Ion: 91 Resp: 1300649

Ion Ratio Lower Upper

91 100

126 34.2 17.0 51.0





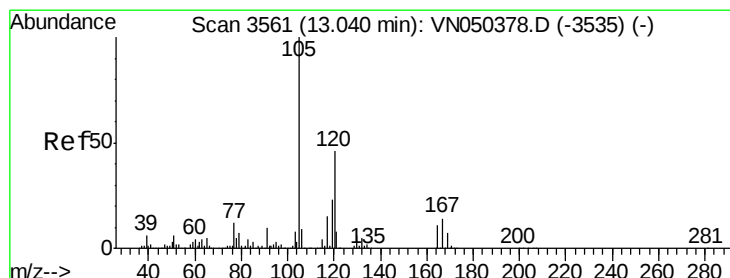
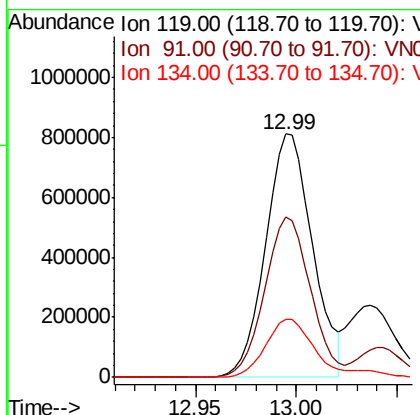
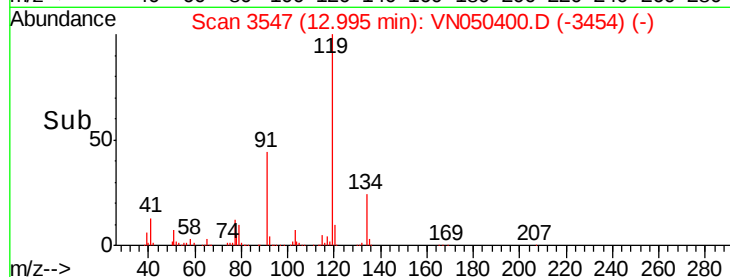
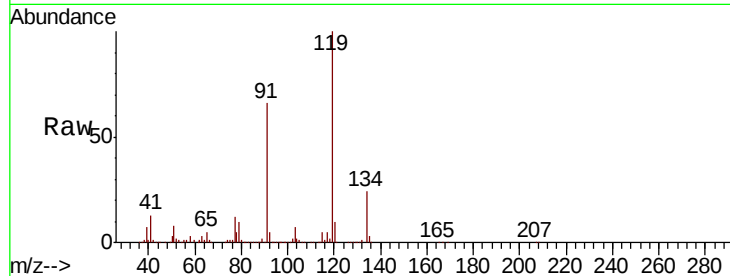
#83
tert-Butylbenzene
Concen: 51.16 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.1	96.3
134	26.1	13.2	39.5

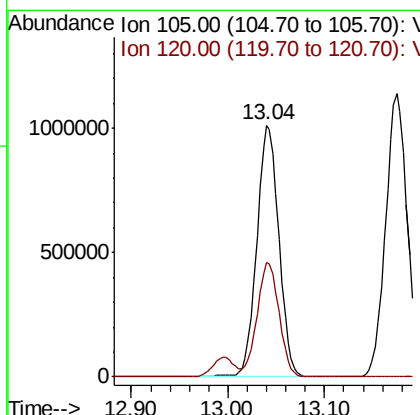
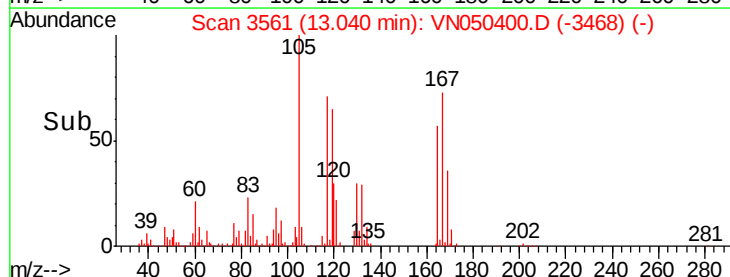
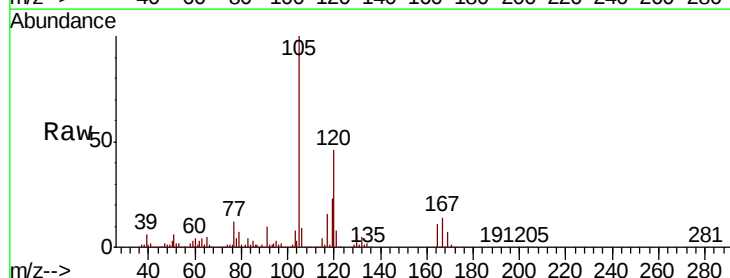
Manual Integrations
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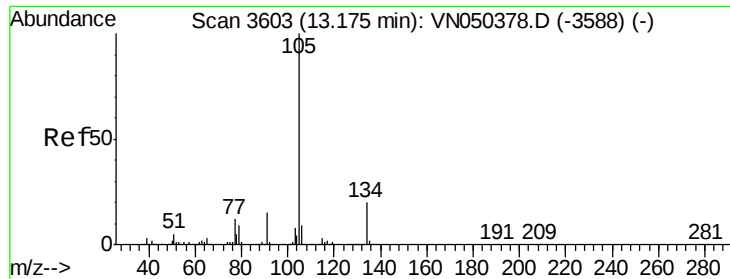
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#84
1,2,4-Trimethylbenzene
Concen: 53.70 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 51.43 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1760434

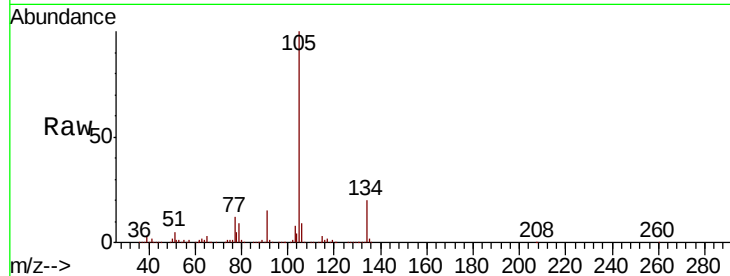
Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1

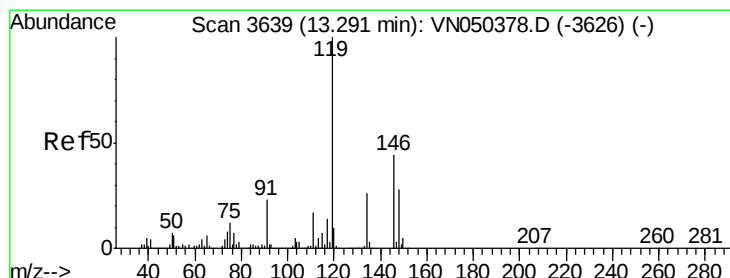
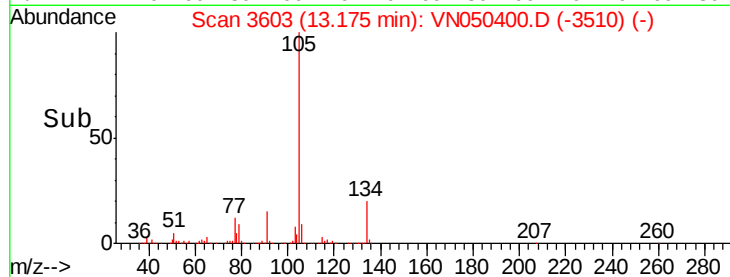
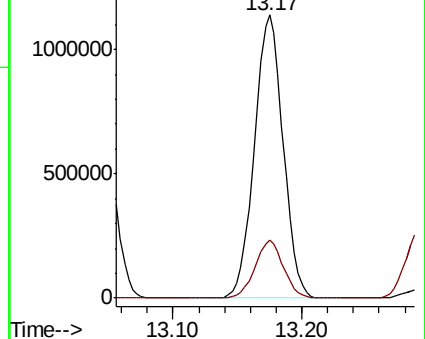
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.66 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

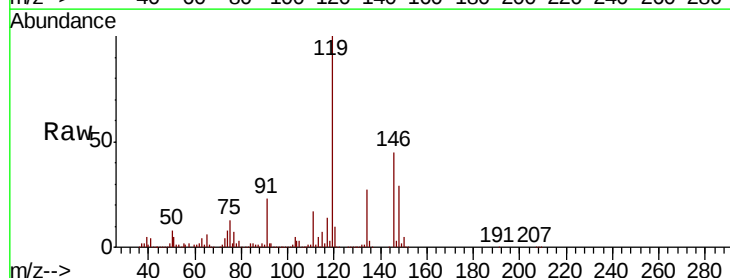
Tgt Ion:119 Resp: 1544737

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

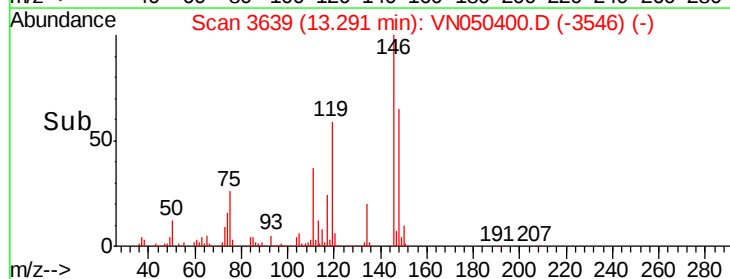
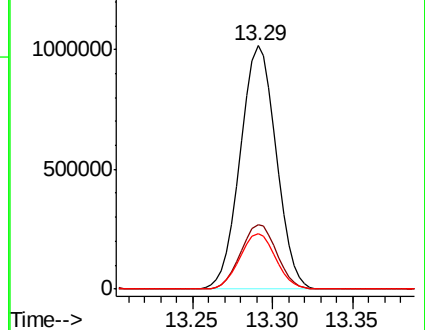
91 22.7 11.4 34.2

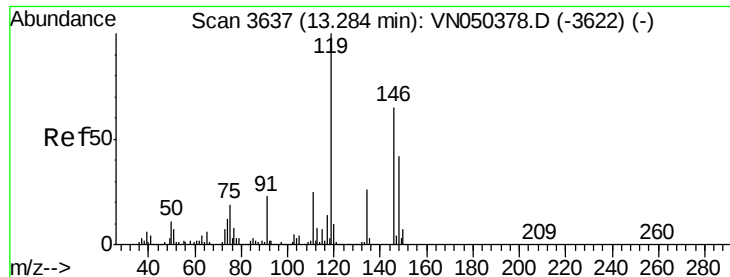


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





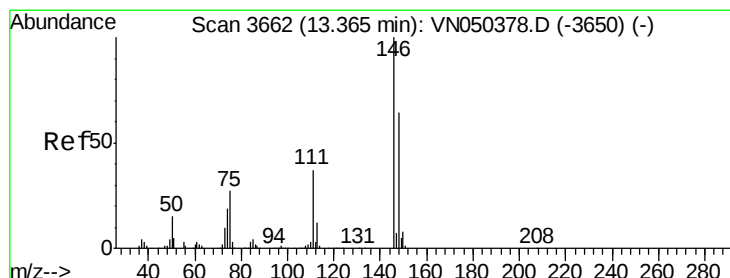
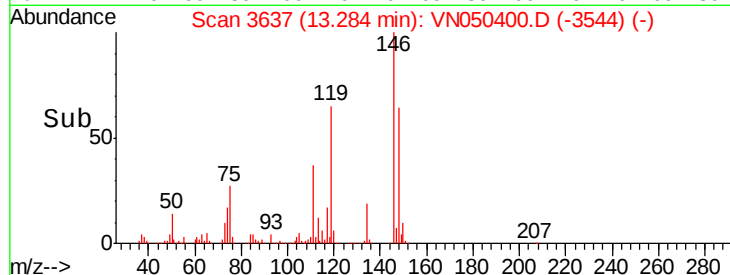
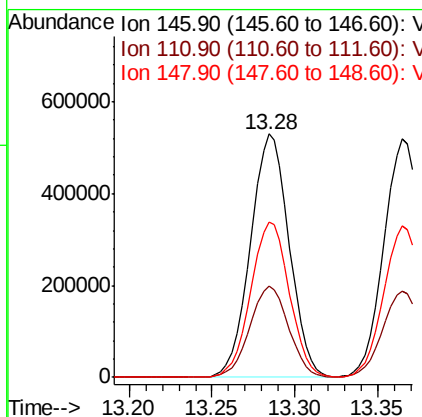
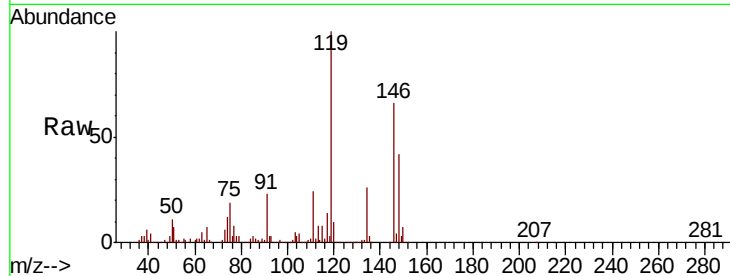
#87
 1,3-Dichlorobenzene
 Concen: 49.58 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.0	31.9	95.9

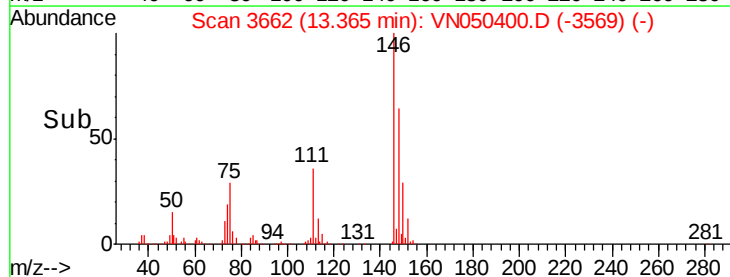
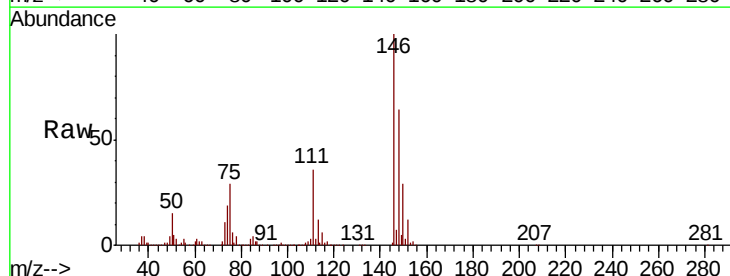
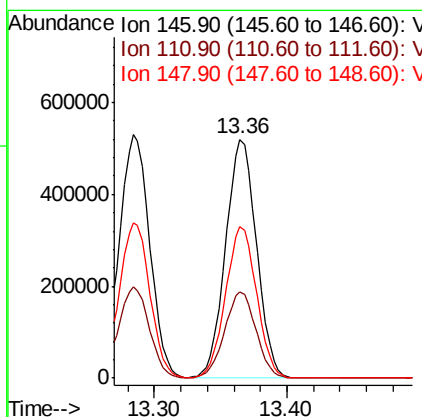
Manual Integrations
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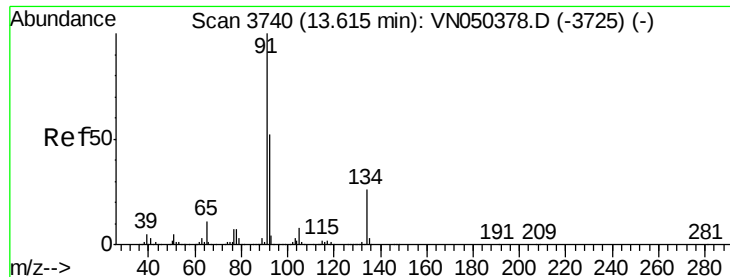
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#88
 1,4-Dichlorobenzene
 Concen: 48.70 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.3	54.9
148	63.7	31.9	95.9





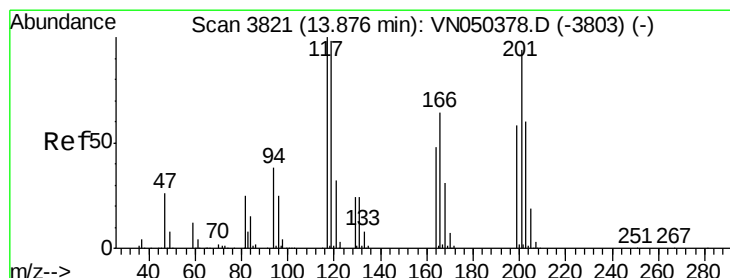
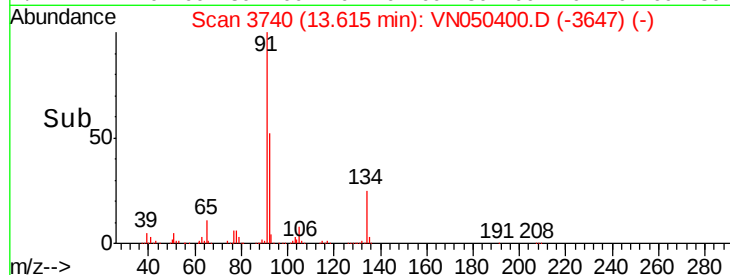
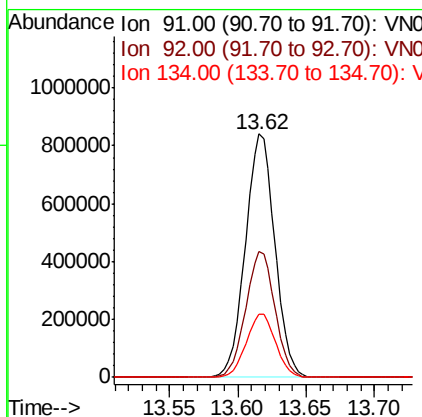
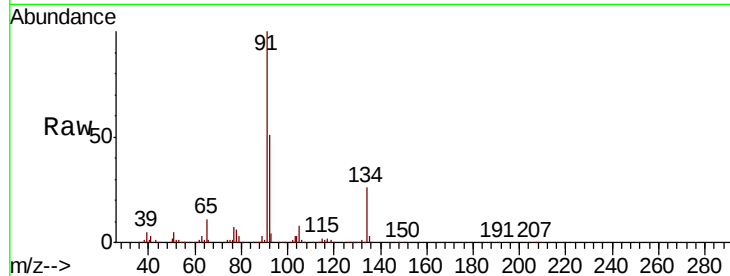
#89
n-Butylbenzene
Concen: 50.37 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.8	77.4
134	25.9	12.8	38.4

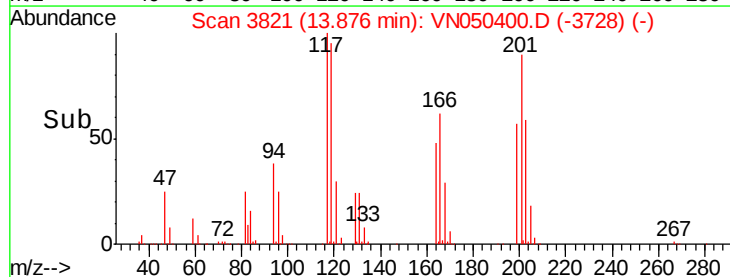
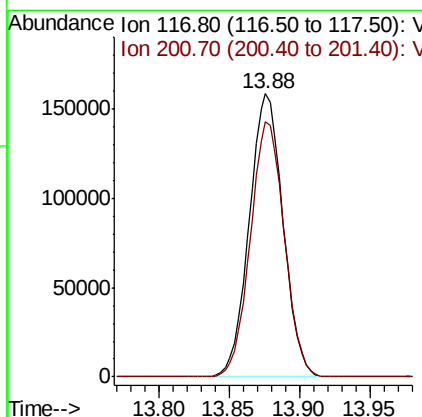
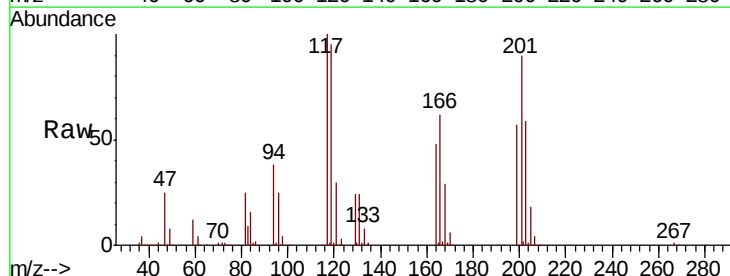
Manual Integrations
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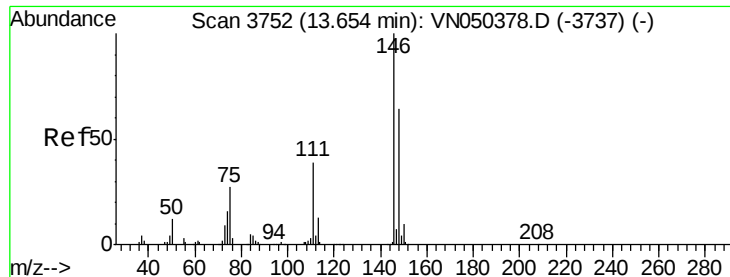
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#90
Hexachloroethane
Concen: 51.01 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	45.6	136.8





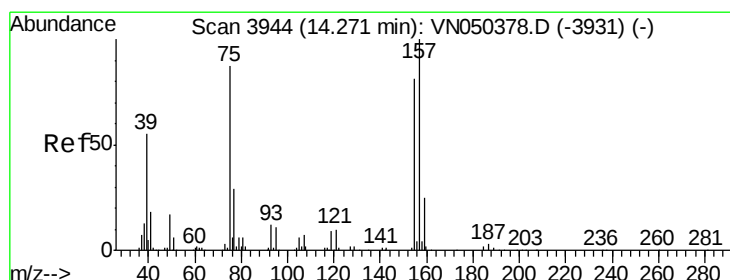
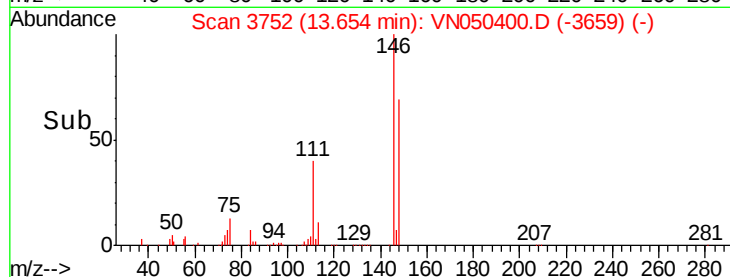
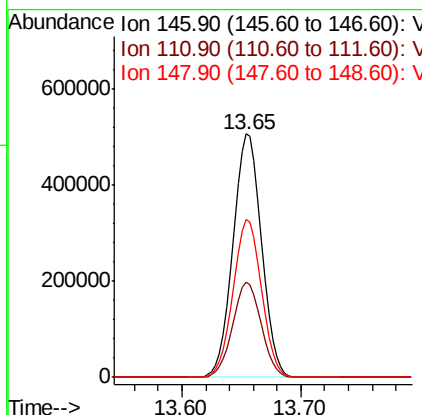
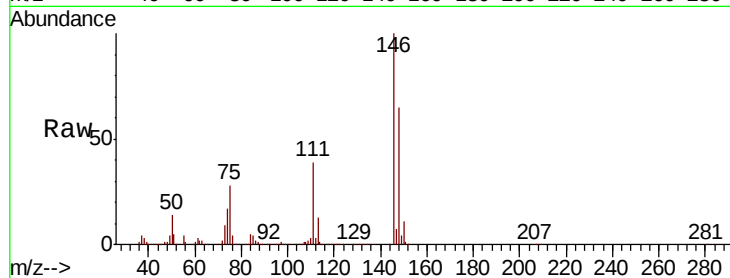
#91
 1,2-Dichlorobenzene
 Concen: 48.33 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.8	32.1	96.3

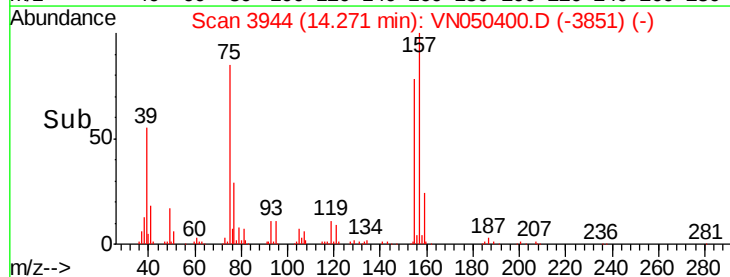
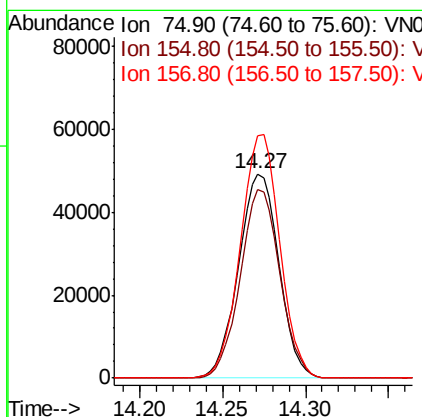
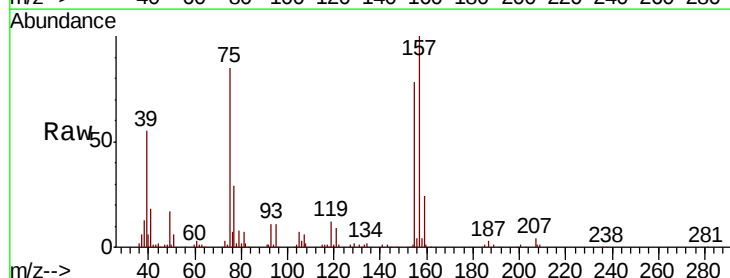
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.13 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	44.8	134.4
157	116.1	57.2	171.6





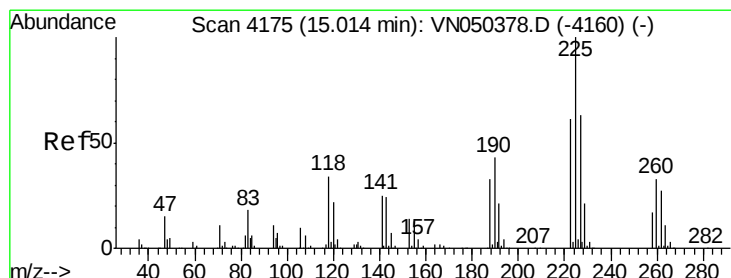
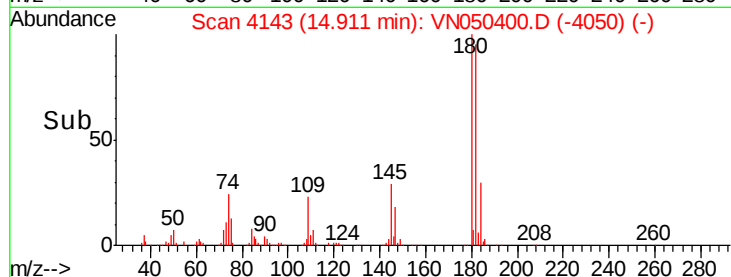
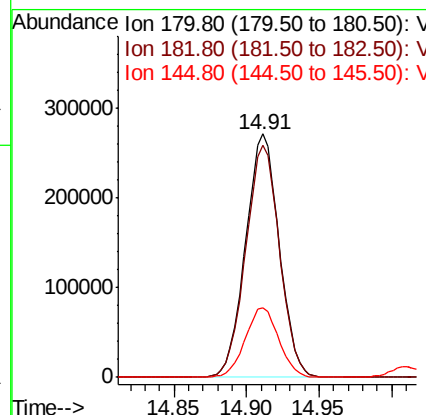
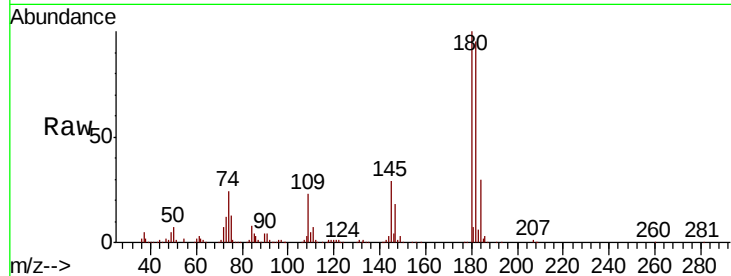
#93
 1,2,4-Trichlorobenzene
 Concen: 49.47 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	46.7	140.1	
145	28.7	13.8	41.4	

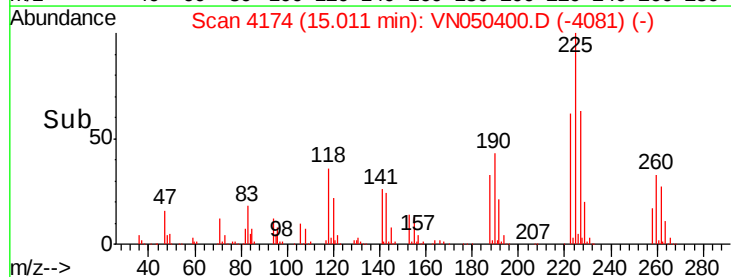
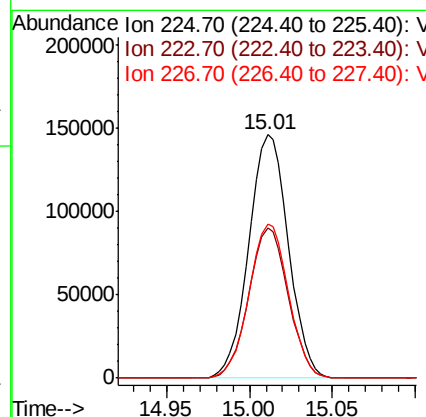
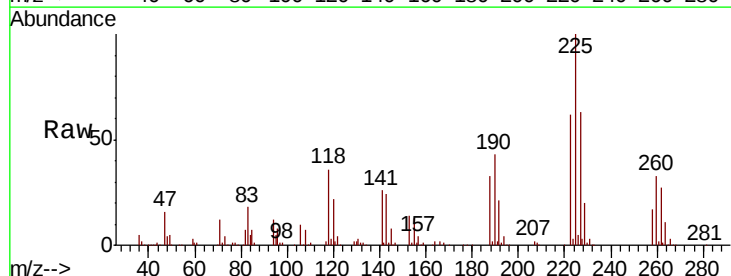
Manual Integrations
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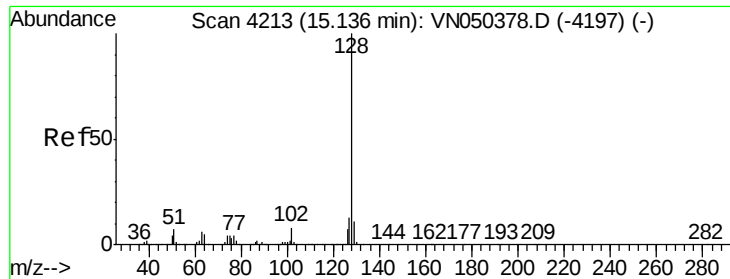
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#94
 Hexachlorobutadiene
 Concen: 50.20 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	31.4	94.2	
227	63.0	32.1	96.5	





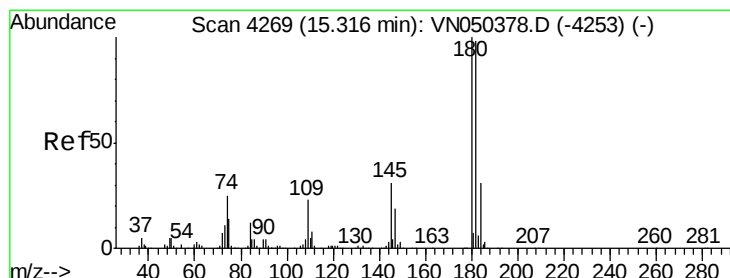
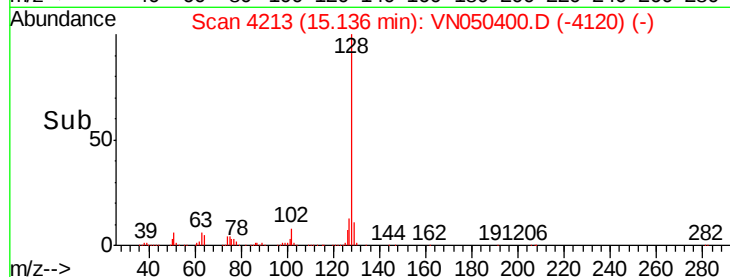
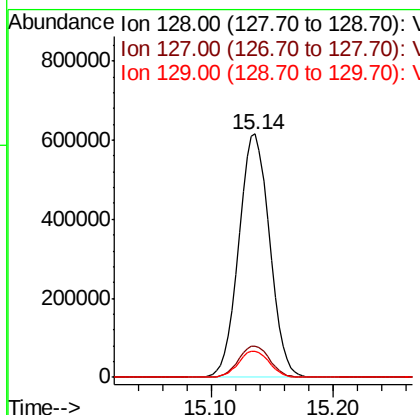
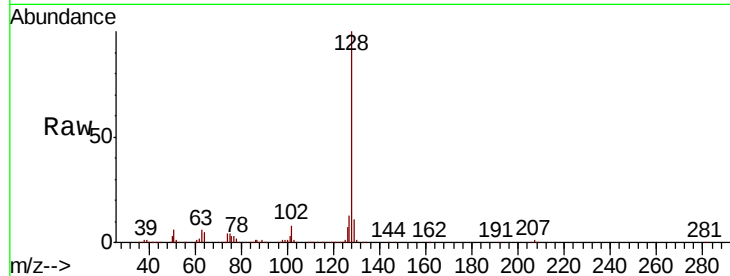
#95
Naphthalene
Concen: 46.06 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.16 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.4
145	30.2	15.3	45.9

