

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050378.D
 Acq On : 6 Aug 2018 12:24
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:58:05 AM

Quant Time: Aug 06 12:48:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 06 12:34:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	672417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	976500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	504203	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	434046	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	7.59	113	391111	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.09	98	1481430	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	506292	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	363742	37.65	ug/l	99
3) Chloromethane	2.06	50	441945	42.08	ug/l	100
4) Vinyl Chloride	2.18	62	469911	42.49	ug/l	97
5) Bromomethane	2.56	94	218715	32.15	ug/l	100
6) Chloroethane	2.70	64	287606	43.30	ug/l	99
7) Trichlorofluoromethane	3.01	101	609598	42.55	ug/l	100
8) Diethyl Ether	3.41	74	223258	46.74	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	371980	43.18	ug/l	99
10) Methyl Iodide	3.95	142	162982	14.74	ug/l	97
11) Tert butyl alcohol	4.80	59	176601	255.83	ug/l	99
12) 1,1-Dichloroethene	3.73	96	348831	45.01	ug/l	97
13) Acrolein	3.61	56	229950	414.61	ug/l	99
14) Allyl chloride	4.32	41	576378	47.96	ug/l	98
15) Acrylonitrile	4.99	53	747925	248.34	ug/l	99
16) Acetone	3.82	43	649691	265.55	ug/l	99
17) Carbon Disulfide	4.05	76	1083577	45.64	ug/l	100
18) Methyl Acetate	4.33	43	337917	30.17	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1045789	50.64	ug/l	99
20) Methylene Chloride	4.55	84	411940	43.74	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	382985	46.64	ug/l	99
22) Diisopropyl ether	5.96	45	1227191	51.50	ug/l	99
23) Vinyl Acetate	5.90	43	4466242	265.23	ug/l	99
24) 1,1-Dichloroethane	5.85	63	710052	45.57	ug/l	98
25) 2-Butanone	6.84	43	1115474	311.72	ug/l	100
26) 2,2-Dichloropropane	6.83	77	575736	48.57	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	430779	48.73	ug/l	100
28) Bromochloromethane	7.20	49	332072	46.73	ug/l	99
29) Tetrahydrofuran	7.22	42	594259	256.99	ug/l	99
30) Chloroform	7.37	83	716133	45.04	ug/l	99
31) Cyclohexane	7.66	56	636303	42.54	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	615667	45.27	ug/l	100
36) 1,1-Dichloropropene	7.80	75	555126	50.46	ug/l	98
37) Ethyl Acetate	6.93	43	410228	53.48	ug/l	99
38) Carbon Tetrachloride	7.78	117	548065	46.95	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	606130	53.56	ug/l	98
40) Benzene	8.04	78	1659585	49.57	ug/l	99
41) Methacrylonitrile	7.18	41	207948	57.79	ug/l #	80
42) 1,2-Dichloroethane	8.13	62	526377	47.13	ug/l	100
43) Isopropyl Acetate	8.17	43	678764	36.56	ug/l #	87
44) Trichloroethene	8.84	130	433143	48.15	ug/l	98
45) 1,2-Dichloropropane	9.12	63	434312	48.98	ug/l	98
46) Dibromomethane	9.21	93	266943	48.48	ug/l	99
47) Bromodichloromethane	9.40	83	549790	47.31	ug/l	99
48) Methyl methacrylate	9.20	41	349331	52.88	ug/l	99
49) 1,4-Dioxane	9.20	88	104318	1160.38	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2519631	334.15	ug/l	99
52) Toluene	10.16	92	1028446	52.04	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	571278	52.10	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	646627	51.60	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	386624	49.32	ug/l	98
56) Ethyl methacrylate	10.43	69	526431	56.84	ug/l	98
57) 1,3-Dichloropropane	10.71	76	641661	50.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1253320	290.78	ug/l	100
59) 2-Hexanone	10.75	43	1746150	350.93	ug/l	99
60) Dibromochloromethane	10.90	129	432047	49.78	ug/l	99
61) 1,2-Dibromoethane	11.01	107	388855	50.00	ug/l	98
64) Tetrachloroethene	10.63	164	423712	48.19	ug/l	98
65) Chlorobenzene	11.44	112	1119970	48.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	410054	46.20	ug/l	99
67) Ethyl Benzene	11.51	91	1935772	52.17	ug/l	99
68) m/p-Xylenes	11.62	106	1500953	106.94	ug/l	99
69) o-Xylene	11.95	106	718946	53.73	ug/l	99
70) Styrene	11.97	104	1198992	56.66	ug/l	99
71) Bromoform	12.13	173	310458	48.08	ug/l #	98
73) Isopropylbenzene	12.25	105	1910070	48.85	ug/l	100
74) N-amyl acetate	12.07	43	616610	51.59	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	516935	43.23	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	445385m	47.53	ug/l	
77) Bromobenzene	12.53	156	493041	45.49	ug/l	100
78) n-propylbenzene	12.59	91	2203015	50.40	ug/l	100
79) 2-Chlorotoluene	12.68	91	1307275	48.26	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1599988	52.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	134592	45.56	ug/l	99
82) 4-Chlorotoluene	12.77	91	1335707	49.79	ug/l	99
83) tert-Butylbenzene	12.99	119	1353713	50.43	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1638087	52.84	ug/l	99
85) sec-Butylbenzene	13.17	105	1805072	50.33	ug/l	100
86) p-Isopropyltoluene	13.29	119	1593800	52.74	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	883445	48.08	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	865837	48.35	ug/l	99
89) n-Butylbenzene	13.62	91	1318980	53.08	ug/l	99
90) Hexachloroethane	13.88	117	256159	38.17	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	865981	47.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85037	44.24	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	472939	58.35	ug/l	98
94) Hexachlorobutadiene	15.01	225	249377	44.35	ug/l	99
95) Naphthalene	15.14	128	1138032	62.14	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	456208	55.60	ug/l	100

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

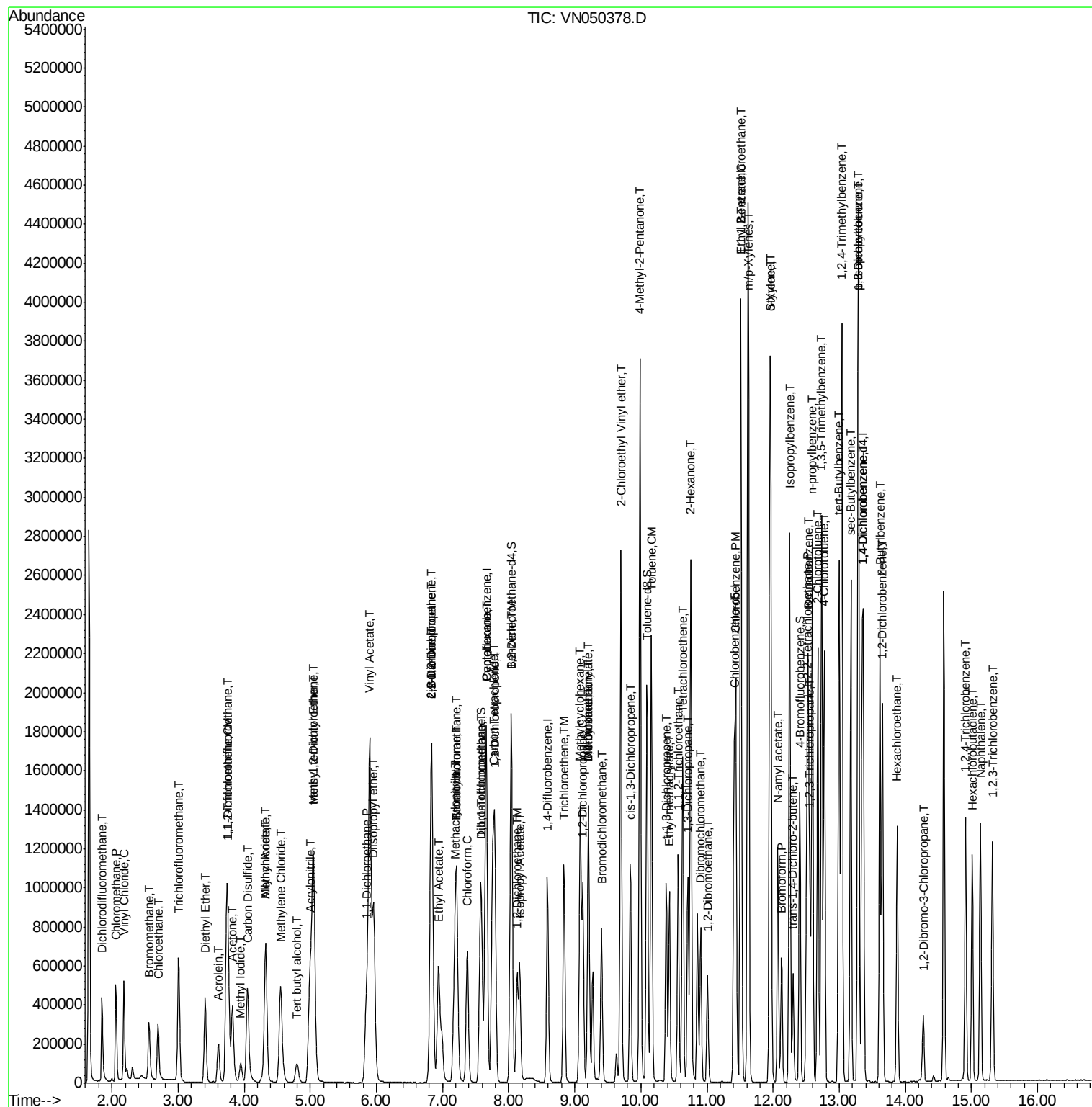
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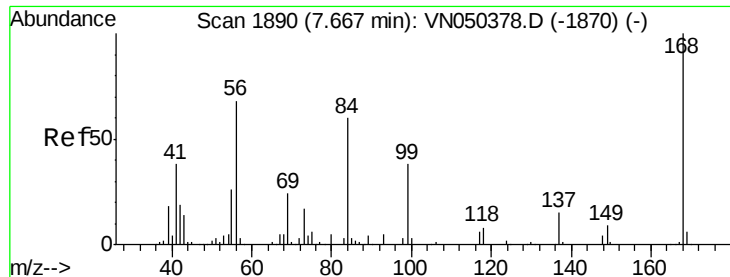
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 672417

Ion Ratio Lower Upper

168 100

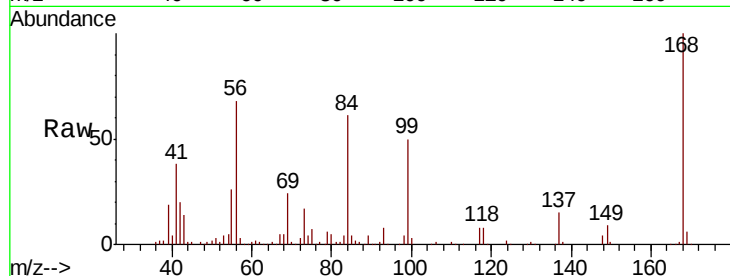
99 49.7 40.0 60.0

Manual Integrations

APPROVED

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8/7/2018 9:58:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

300000

200000

100000

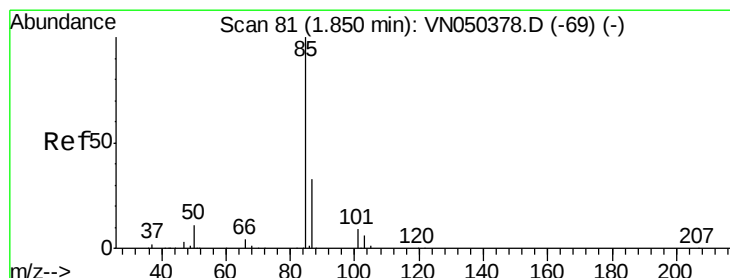
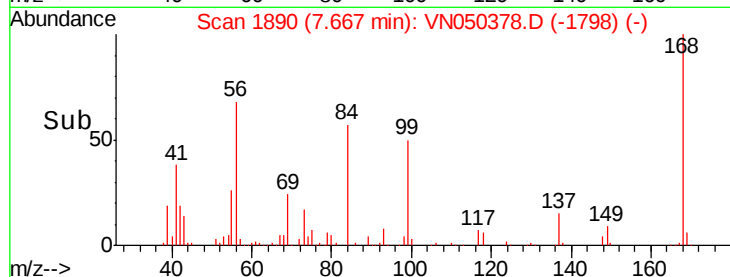
0

7.67

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 37.65 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050378.D

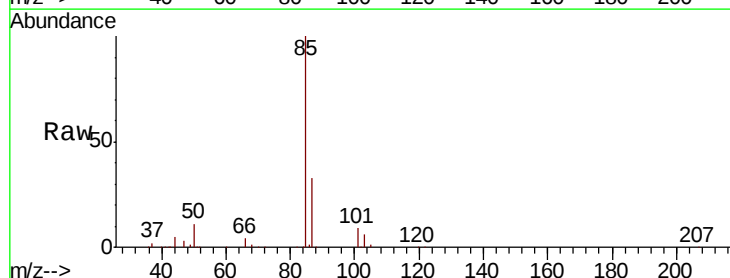
Acq: 6 Aug 2018 12:24

Tgt Ion: 85 Resp: 363742

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

100000

50000

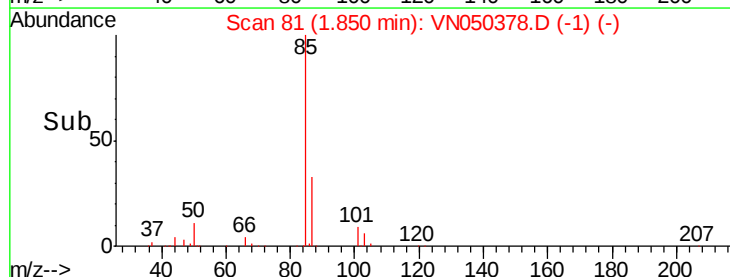
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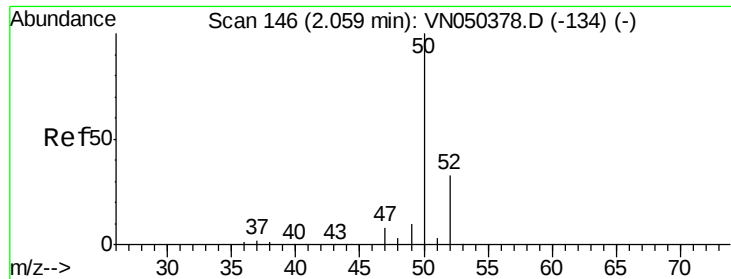
1.85

1.80

1.90

Time-->





#3

Chloromethane

Concen: 42.08 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 441945

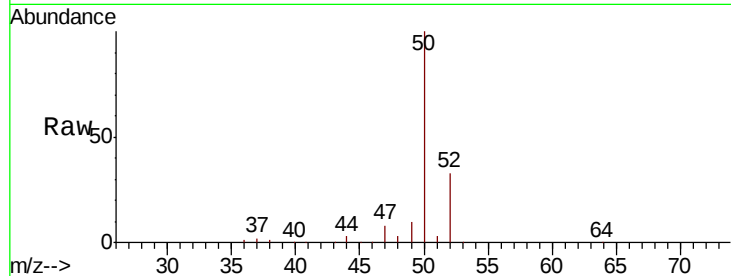
Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9

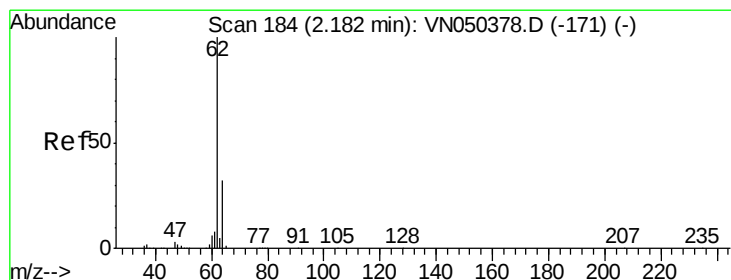
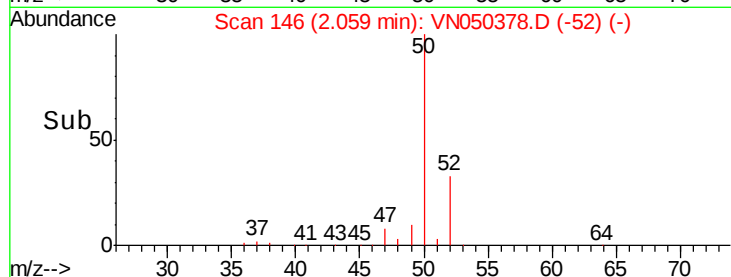
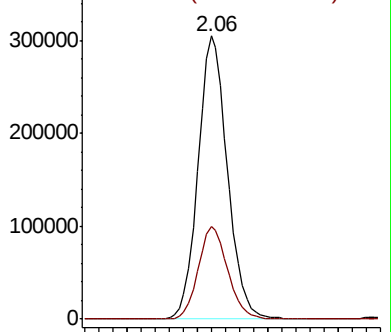
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 42.49 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050378.D

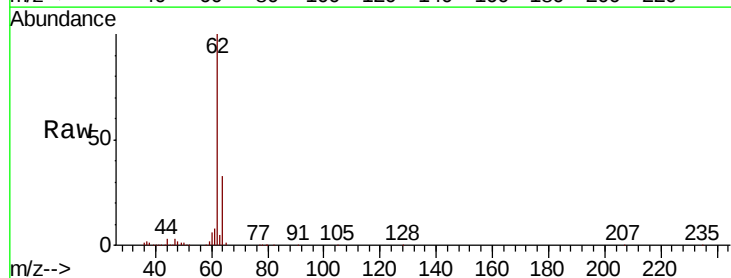
Acq: 6 Aug 2018 12:24

Tgt Ion: 62 Resp: 469911

Ion Ratio Lower Upper

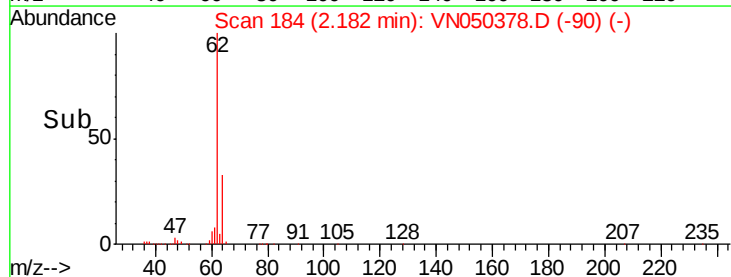
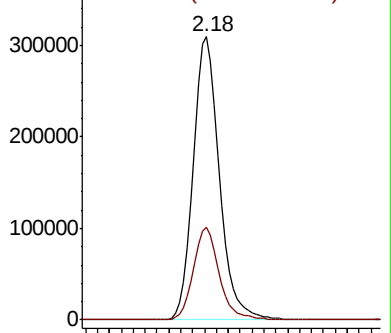
62 100

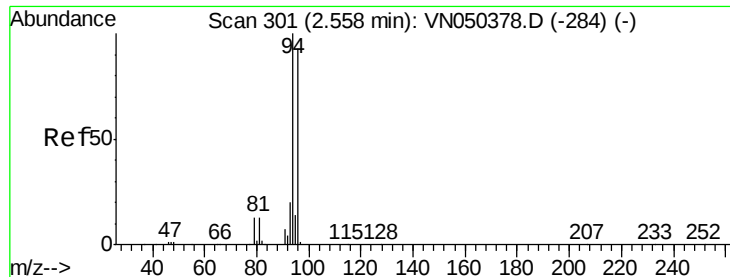
64 32.5 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 32.15 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

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Tot Ion: 94 Resp: 218715

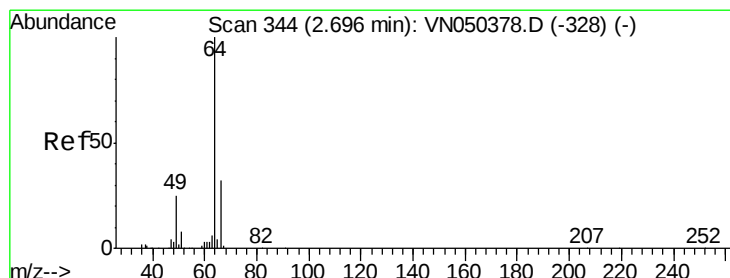
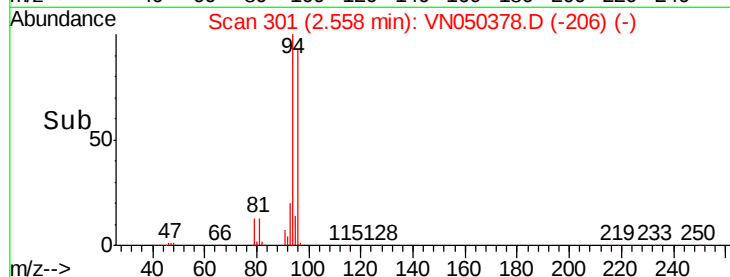
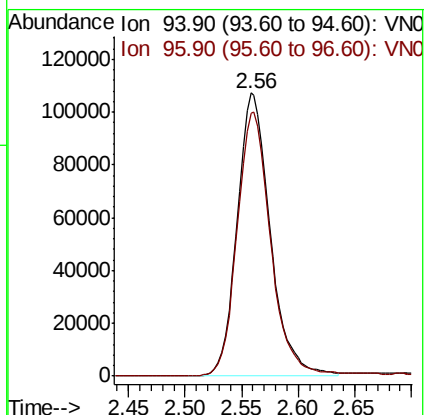
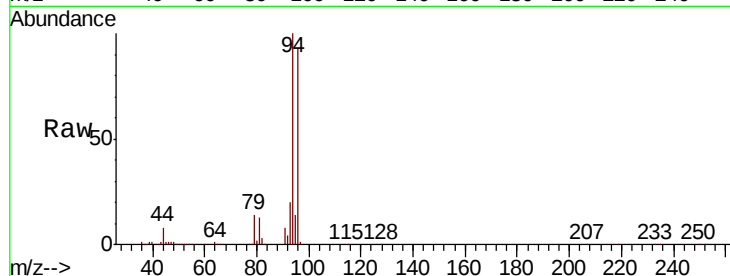
Ion Ratio Lower Upper

94 100

96 92.8 74.6 112.0

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#6

Chloroethane

Concen: 43.30 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050378.D

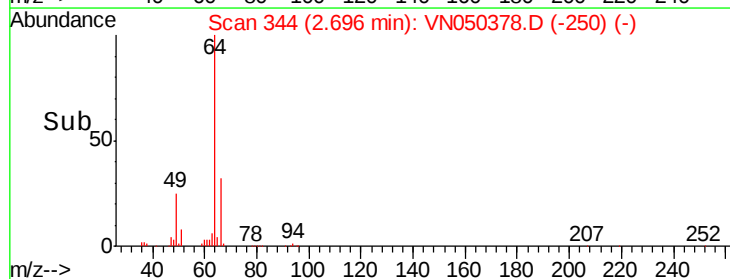
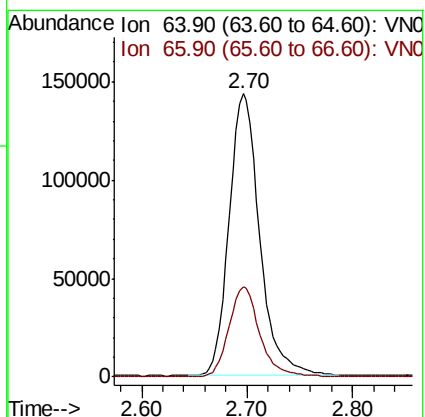
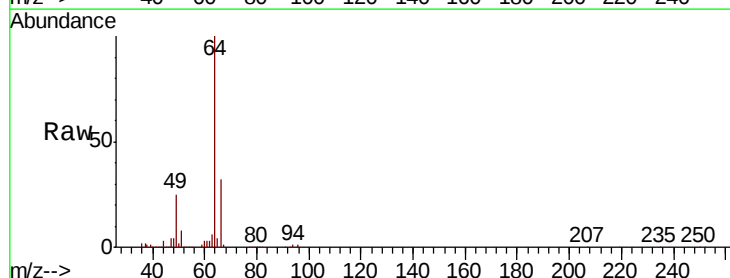
Acq: 6 Aug 2018 12:24

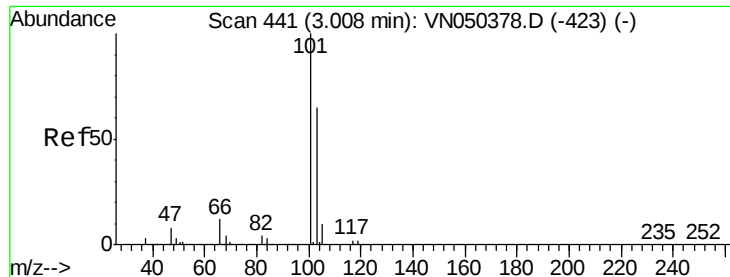
Tgt Ion: 64 Resp: 287606

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9





#7

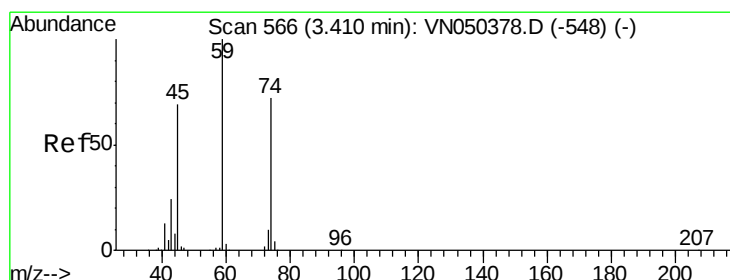
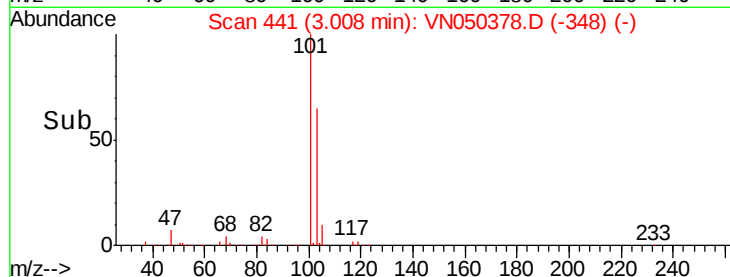
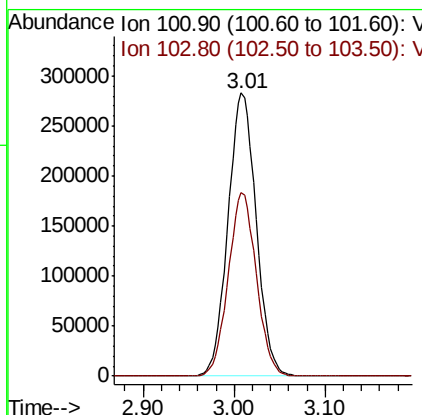
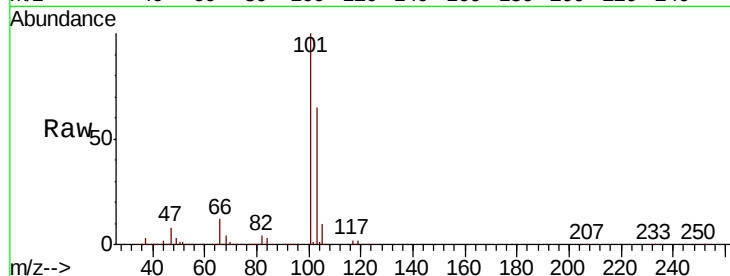
Trichlorofluoromethane
Concen: 42.55 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.7	77.5

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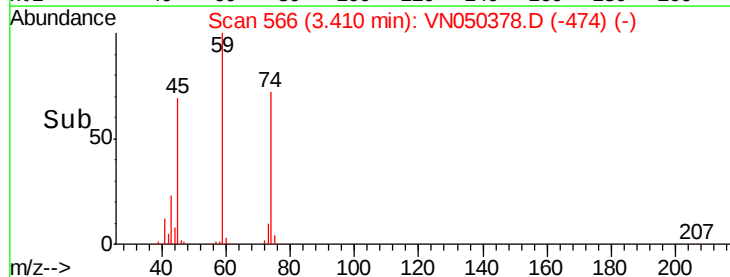
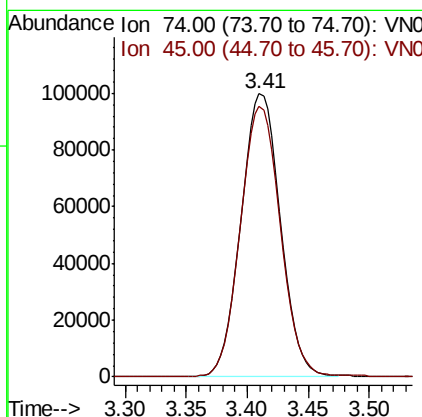
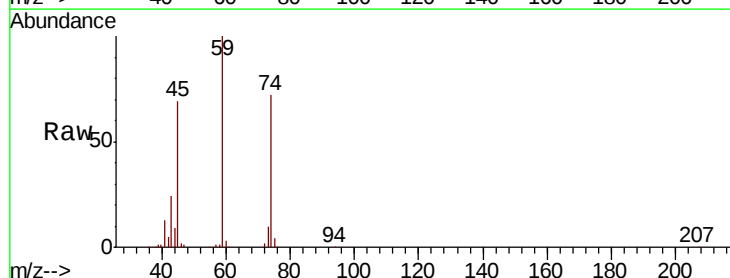
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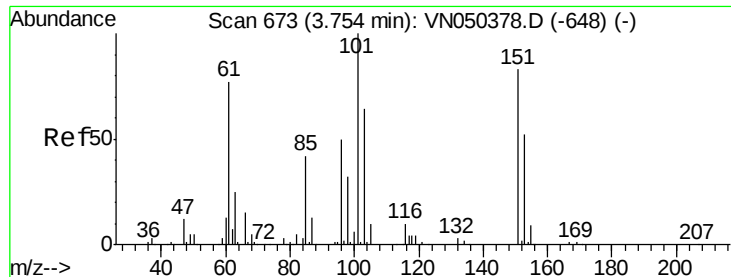


#8

Diethyl Ether
Concen: 46.74 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.18 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

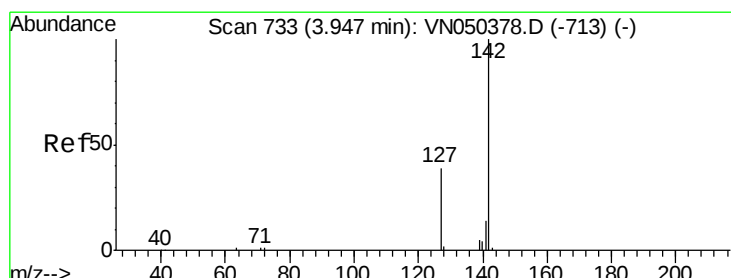
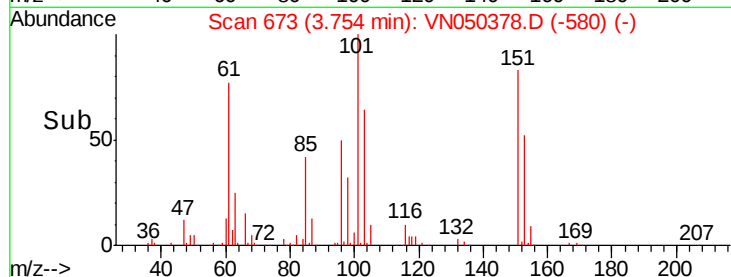
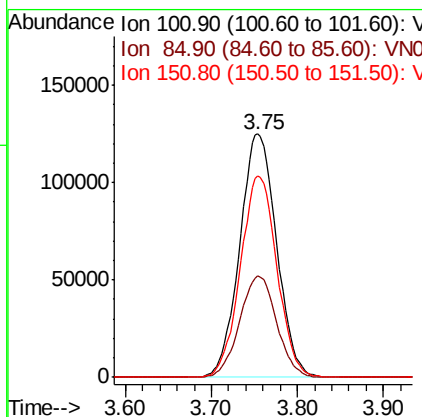
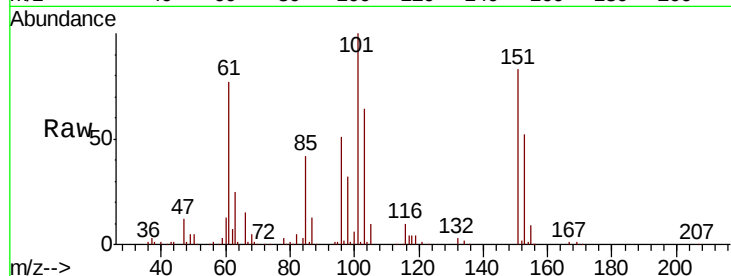
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	371980
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.2
151	82.3	66.3	99.5

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#10

Methyl Iodide

Concen: 14.74 ug/l

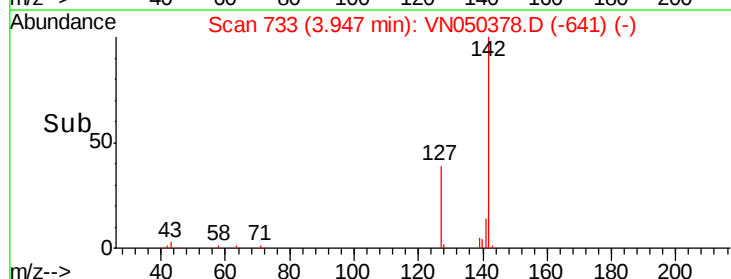
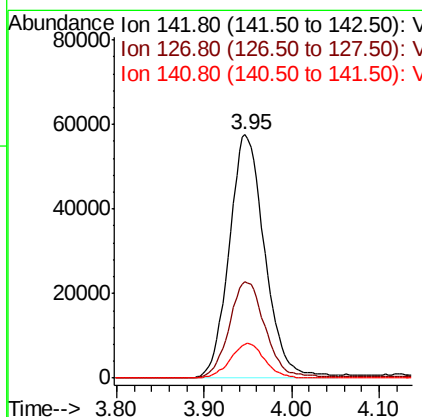
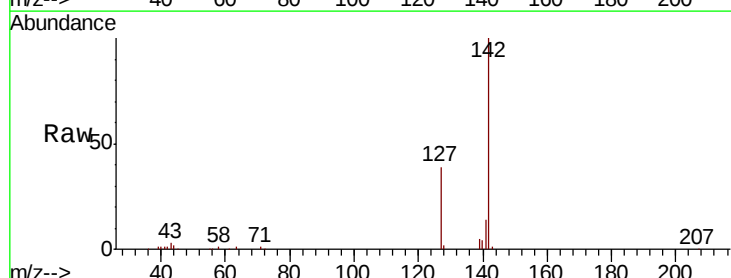
RT: 3.95 min Scan# 733

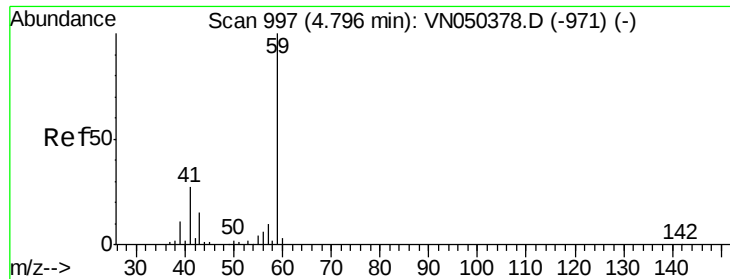
Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Tgt Ion:	142	Resp:	162982
Ion Ratio	Lower	Upper	
142	100		
127	39.9	33.4	50.2
141	13.7	11.6	17.4





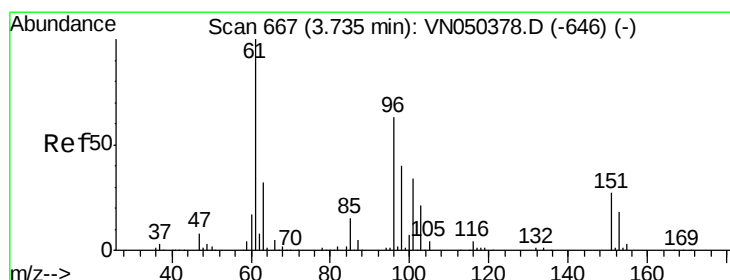
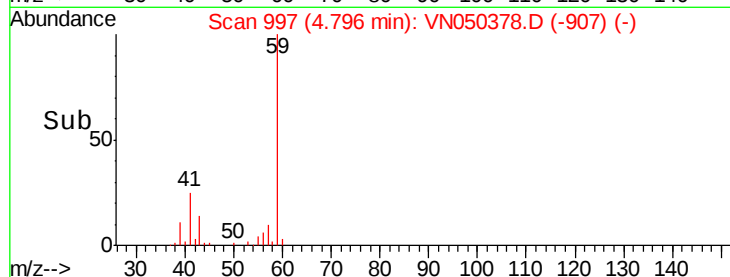
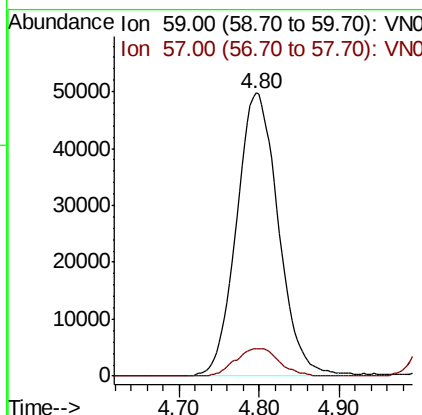
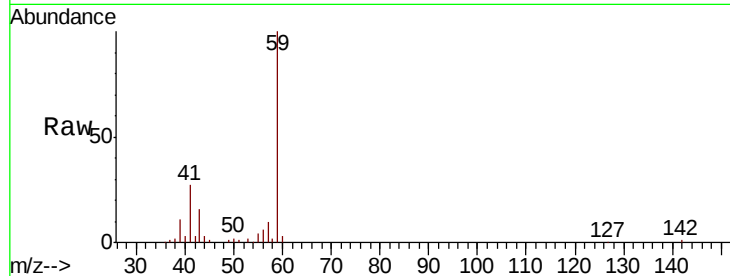
#11
Tert butyl alcohol
Concen: 255.83 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	176601
Ion Ratio	100	Lower	Upper
57	10.2	8.5	12.7

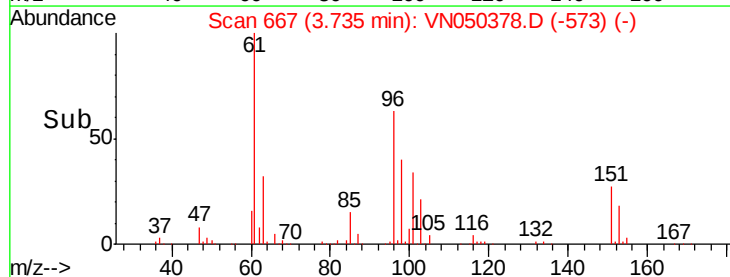
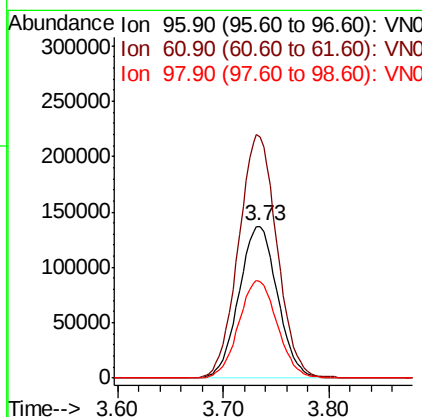
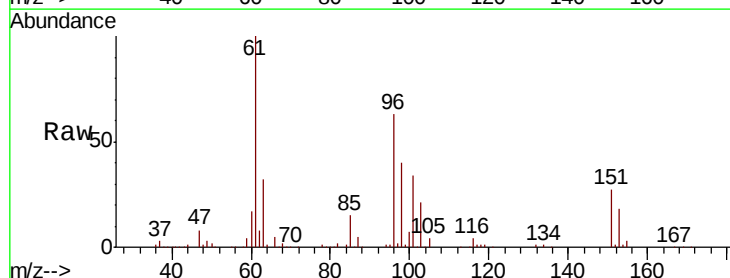
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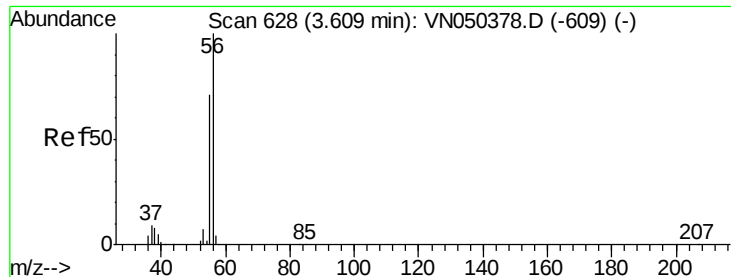
MMDadoda
8/7/2018 9:58:05 AM



#12
1,1-Dichloroethene
Concen: 45.01 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	96	Resp	348831
Ion Ratio	100	Lower	Upper
61	159.0	124.4	186.6
98	63.4	48.3	72.5





#13

Acrolein

Concen: 414.61 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 229950

Ion Ratio Lower Upper

56 100

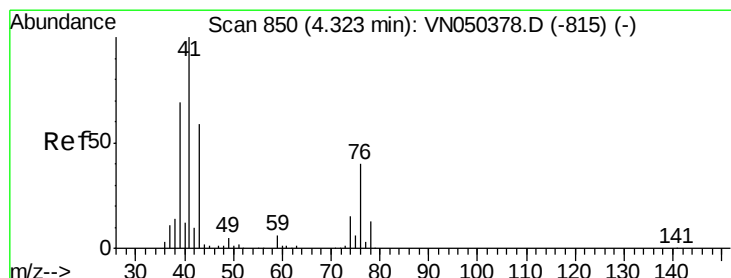
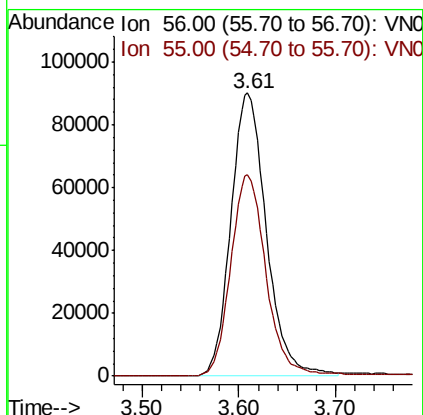
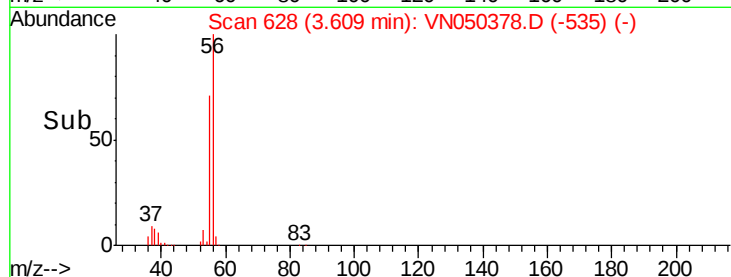
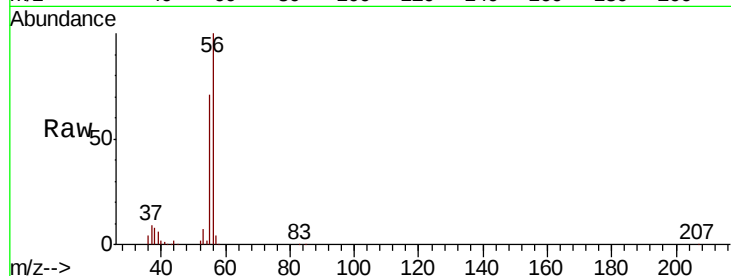
55 70.2 55.8 83.6

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#14

Allyl chloride

Concen: 47.96 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

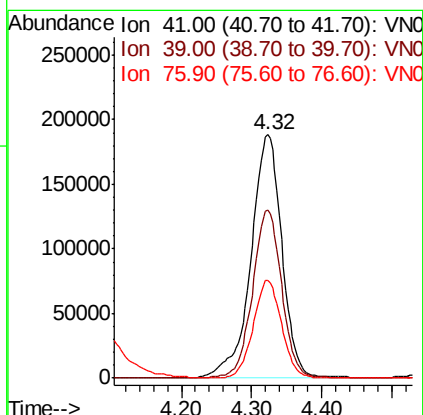
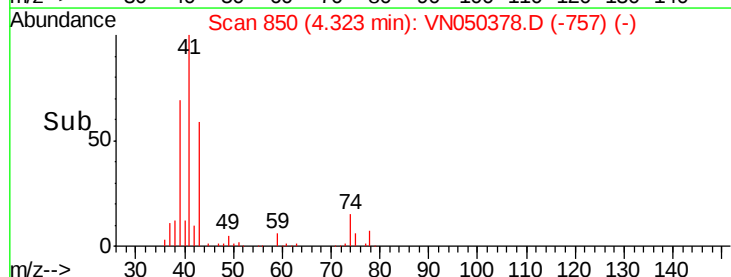
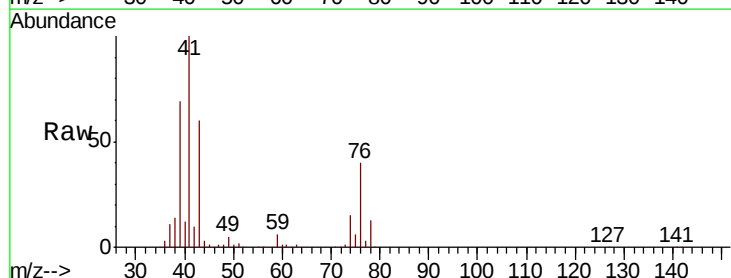
Tgt Ion: 41 Resp: 576378

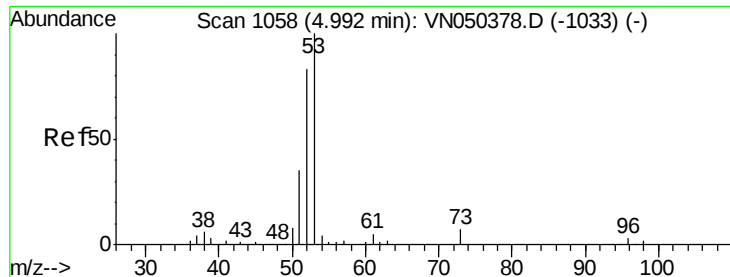
Ion Ratio Lower Upper

41 100

39 65.3 54.2 81.4

76 36.3 29.0 43.6





#15

Acrylonitrile

Concen: 248.34 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

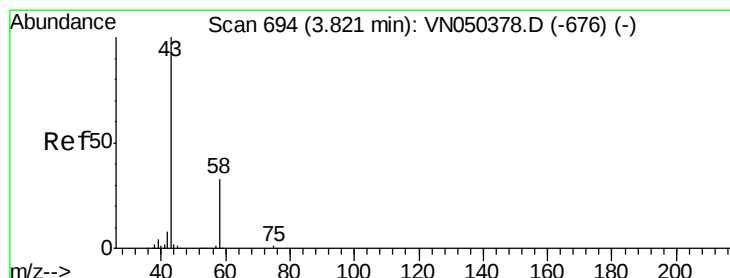
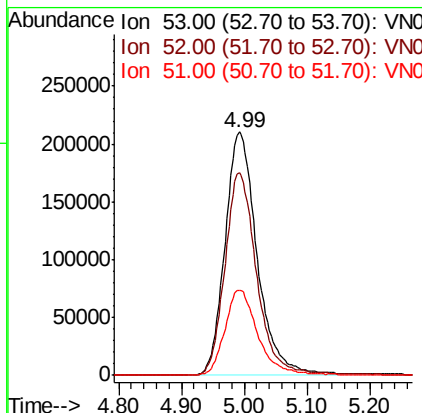
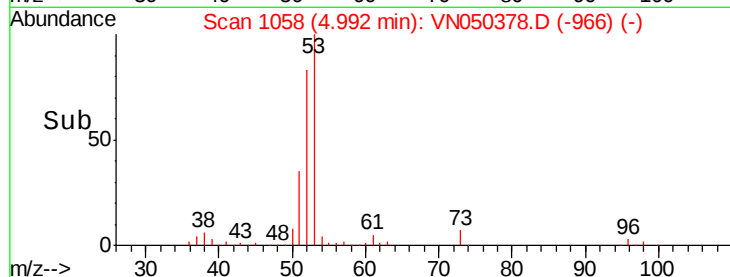
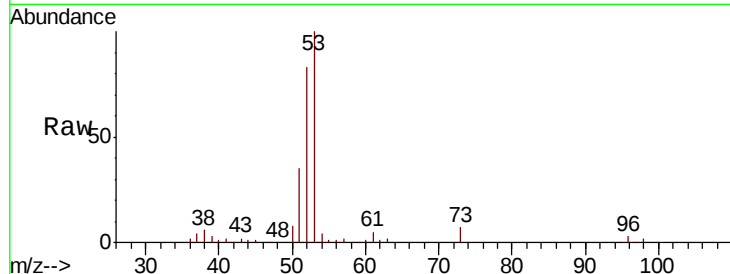
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	747925
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	36.0	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 265.55 ug/l

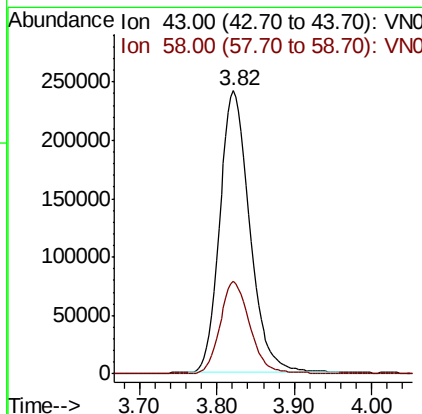
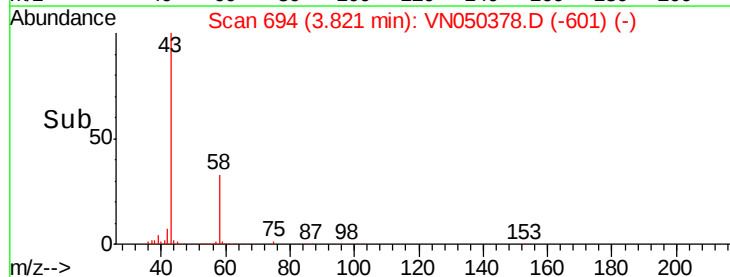
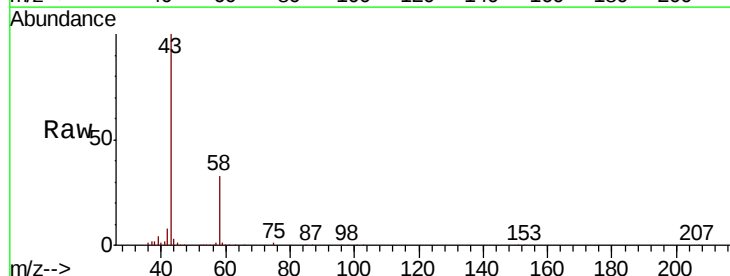
RT: 3.82 min Scan# 694

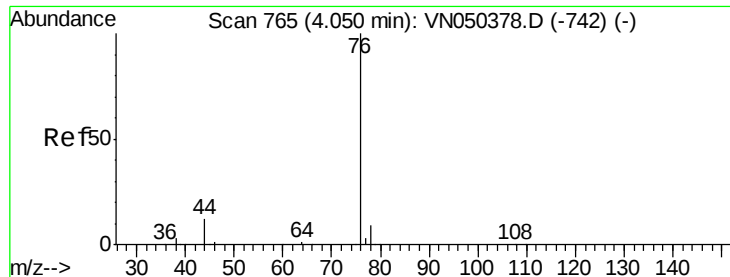
Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Tgt Ion:	43	Resp:	649691
Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.8	38.8





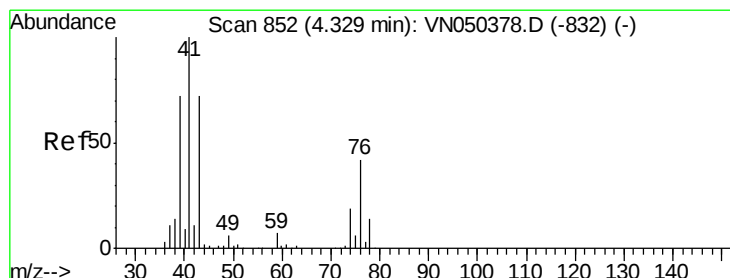
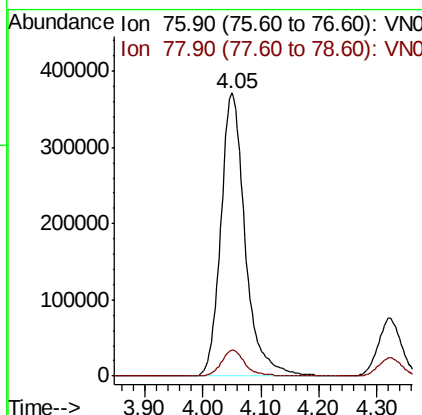
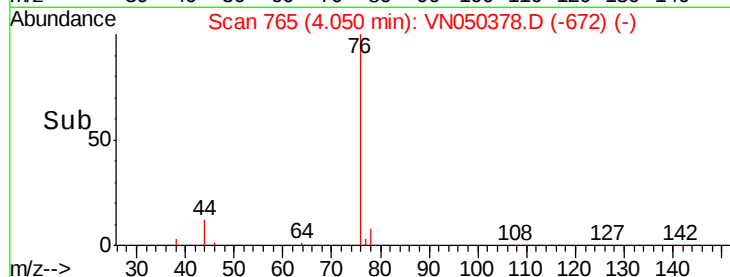
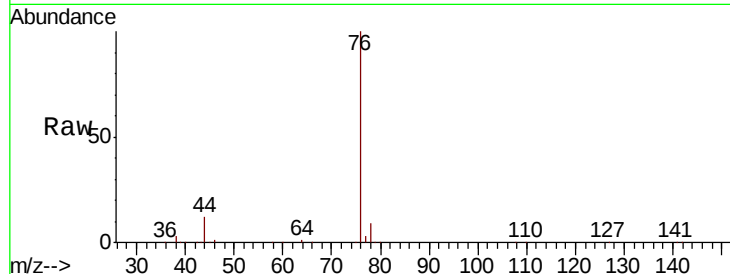
#17
Carbon Disulfide
Concen: 45.64 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1083577
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

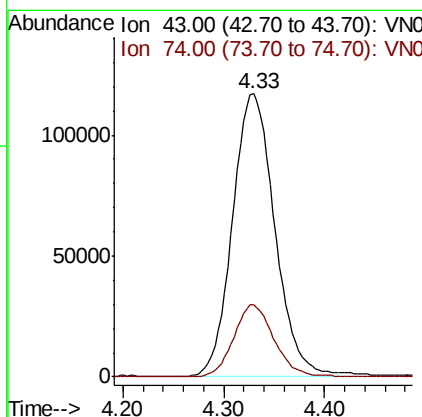
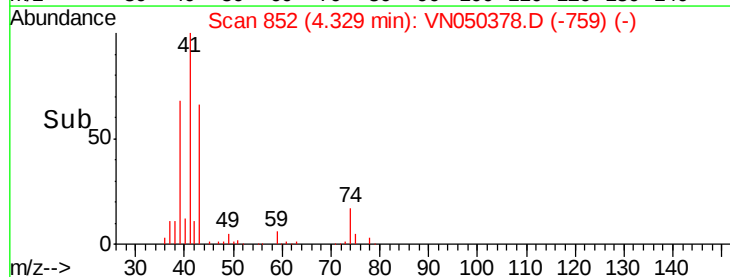
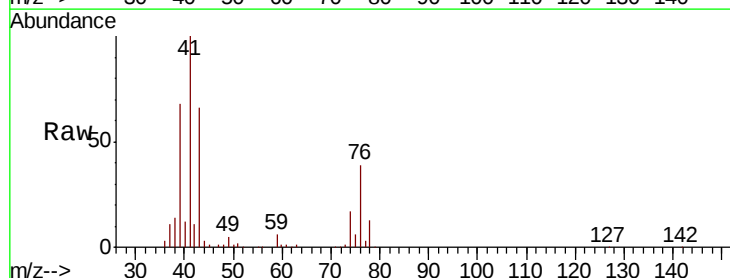
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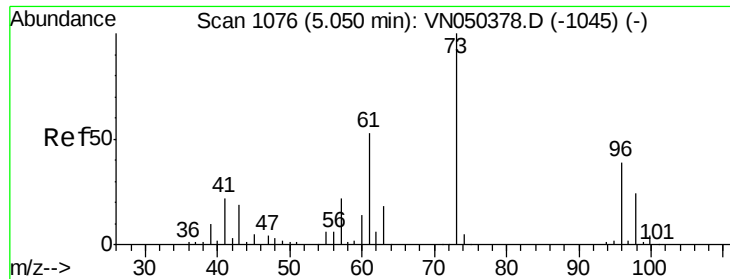
MMDadoda
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#18
Methyl Acetate
Concen: 30.17 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion: 43 Resp: 337917
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8





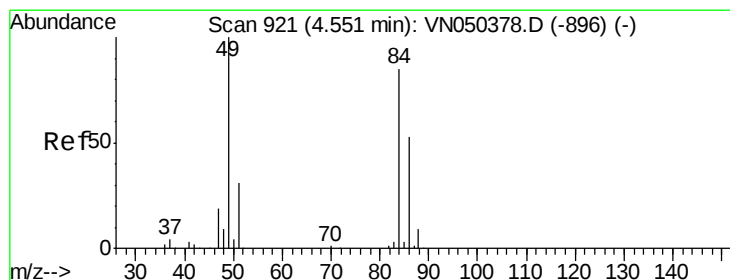
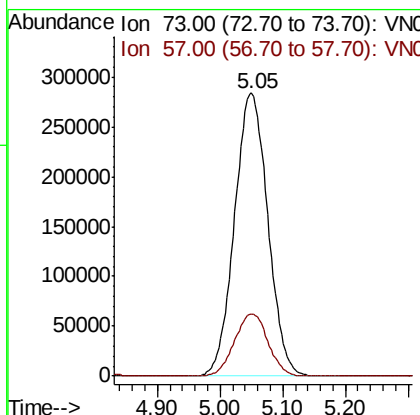
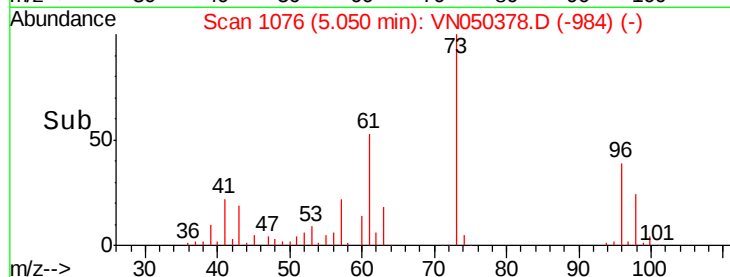
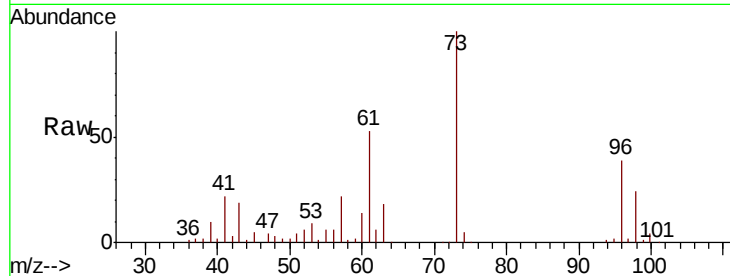
#19
Methyl tert-butyl Ether
Concen: 50.64 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 1045789
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0

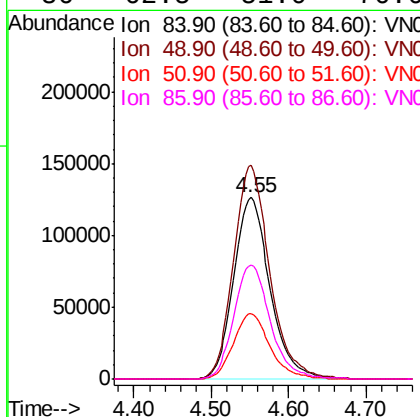
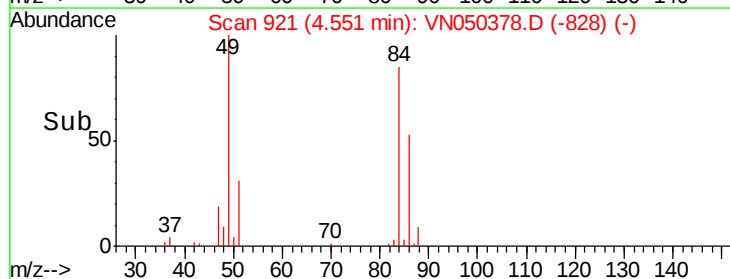
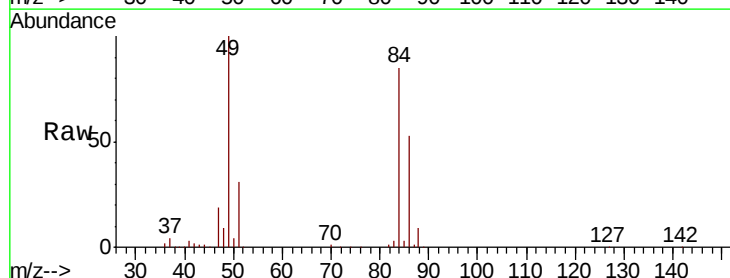
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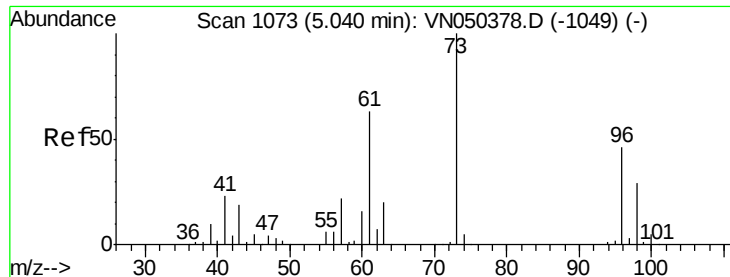
MMDadoda
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#20
Methylene Chloride
Concen: 43.74 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion: 84 Resp: 411940
Ion Ratio Lower Upper
84 100
49 117.5 94.8 142.2
51 36.0 28.3 42.5
86 62.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.64 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 96 Resp: 382985

Ion Ratio Lower Upper

96 100

61 137.9 110.7 166.1

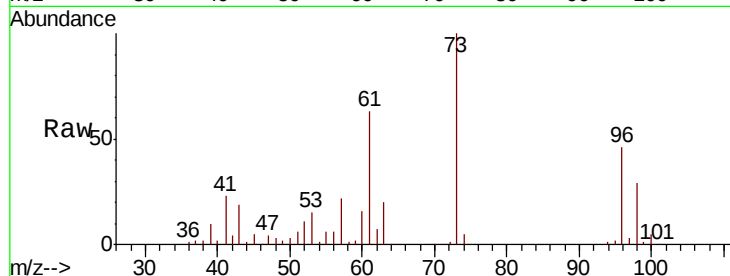
98 62.6 51.6 77.4

Manual Integrations

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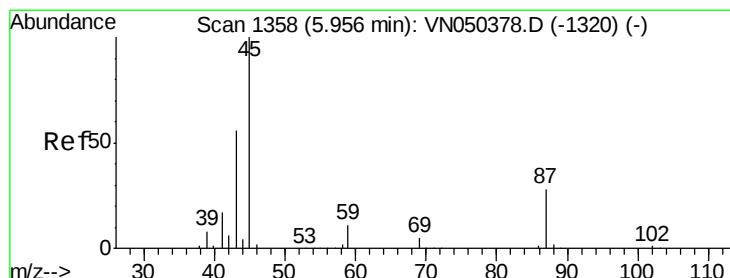
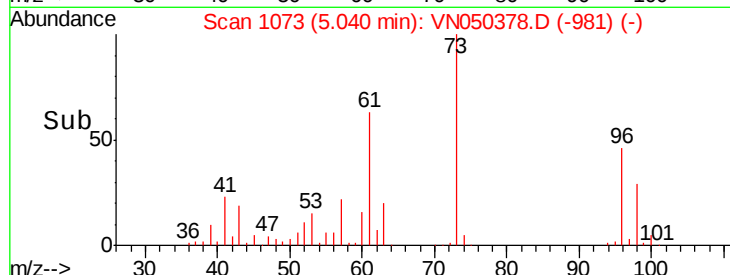
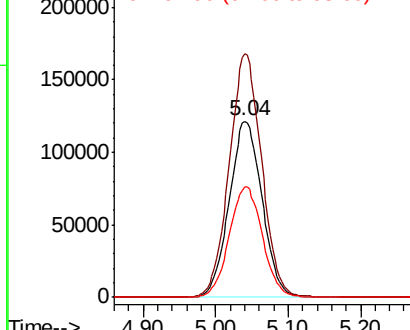


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 51.50 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Tgt Ion: 45 Resp: 1227191

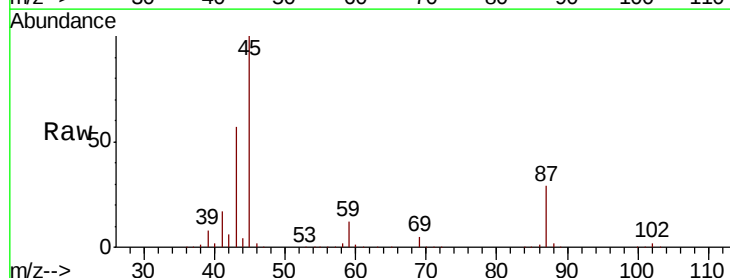
Ion Ratio Lower Upper

45 100

43 56.5 45.7 68.5

87 28.8 22.7 34.1

59 11.6 9.5 14.3



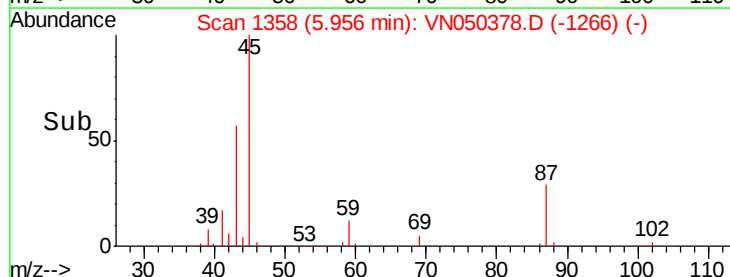
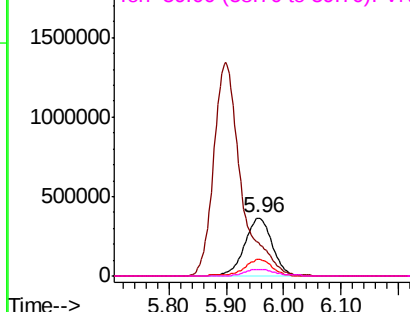
Abundance

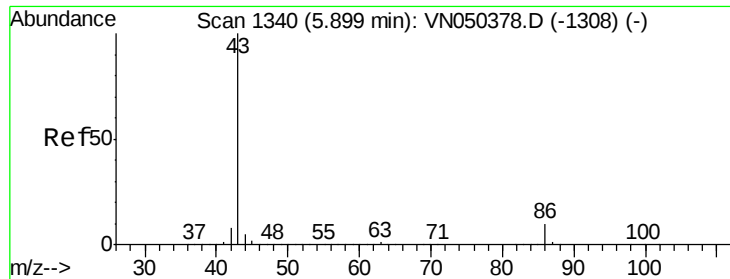
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





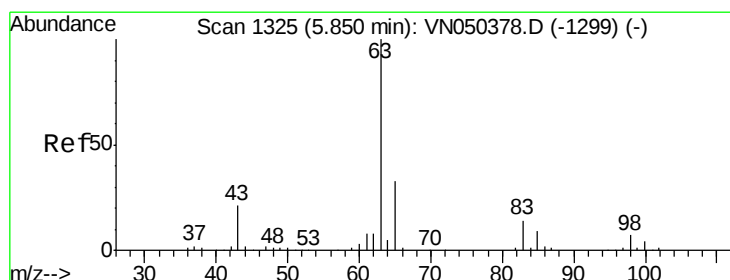
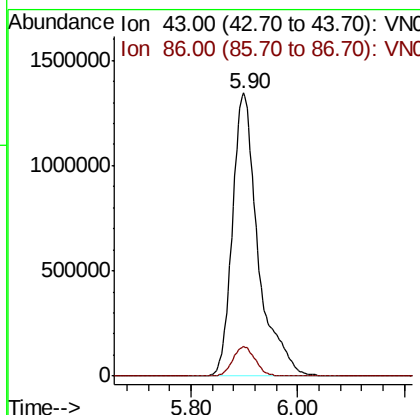
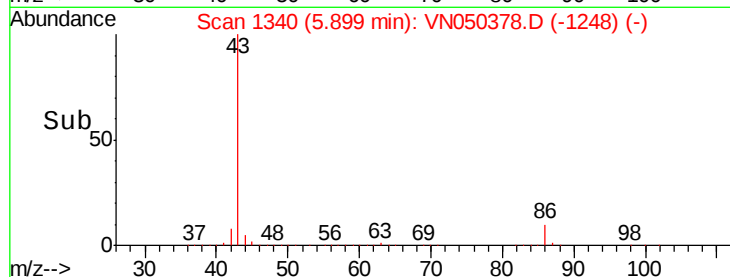
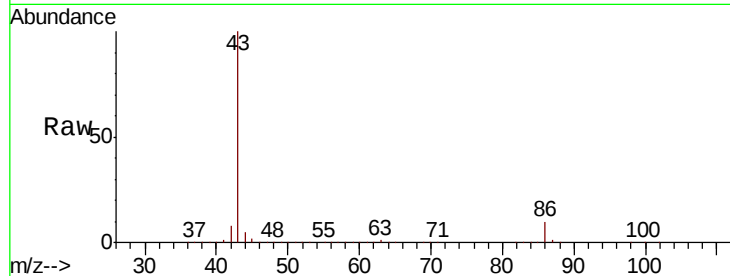
#23
 Vinyl Acetate
 Concen: 265.23 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 4466242
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.6 13.0

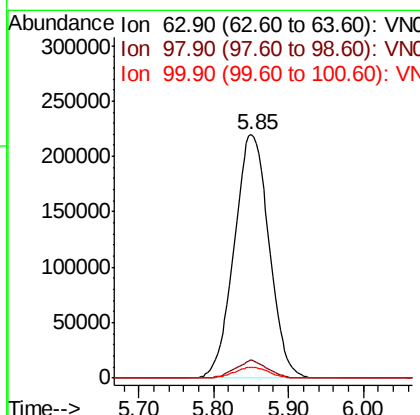
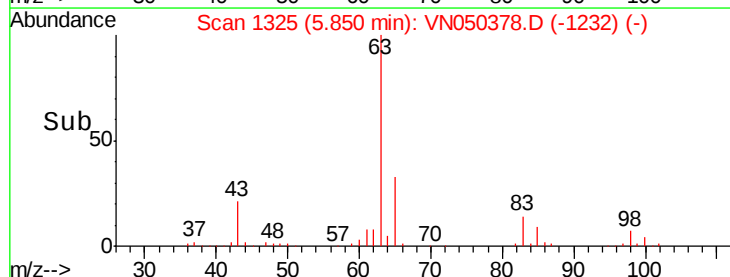
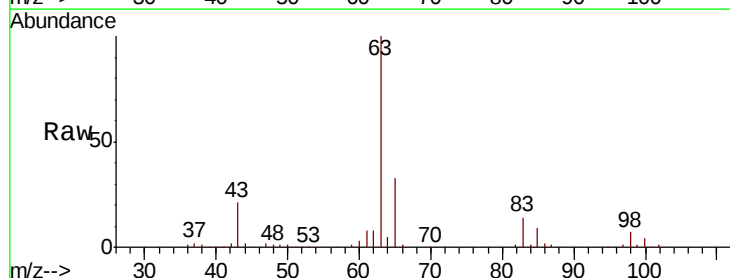
Manual Integrations
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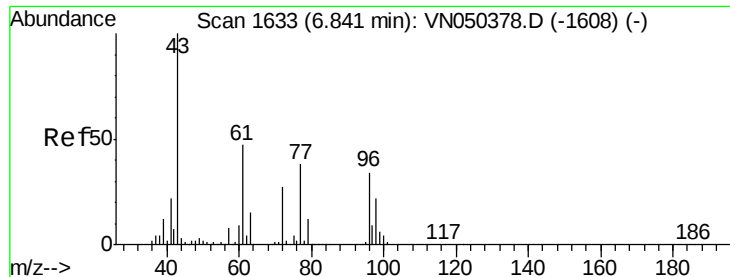
MMDadoda
 8/7/2018 9:58:05 AM



#24
 1,1-Dichloroethane
 Concen: 45.57 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Tgt Ion: 63 Resp: 710052
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.8
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 311.72 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1115474

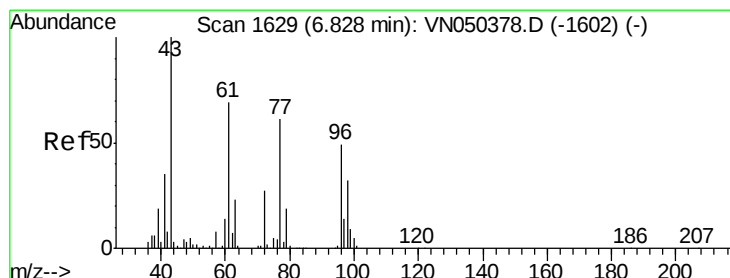
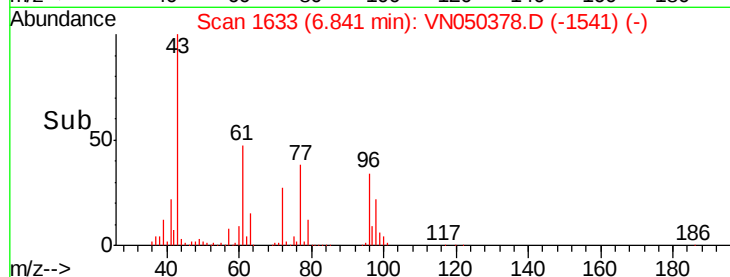
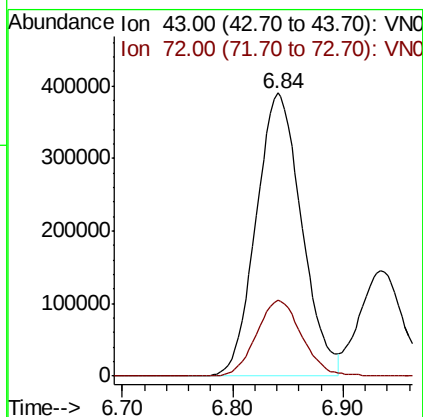
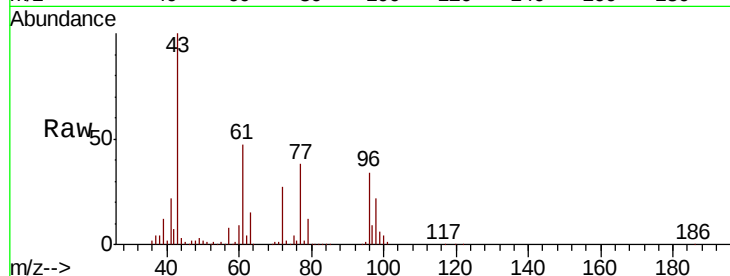
Ion Ratio Lower Upper

43 100

72 26.9 21.5 32.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 48.57 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050378.D

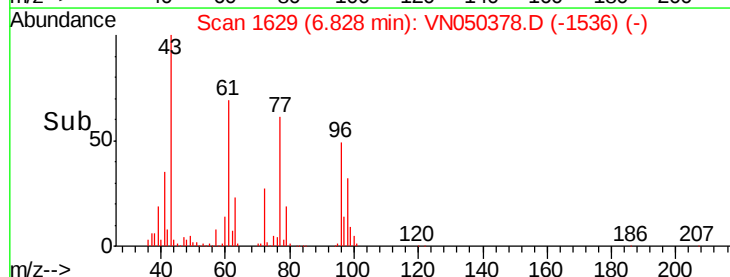
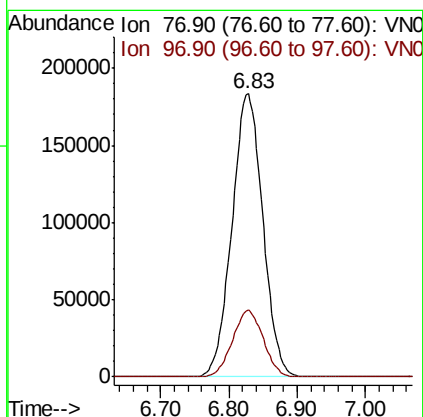
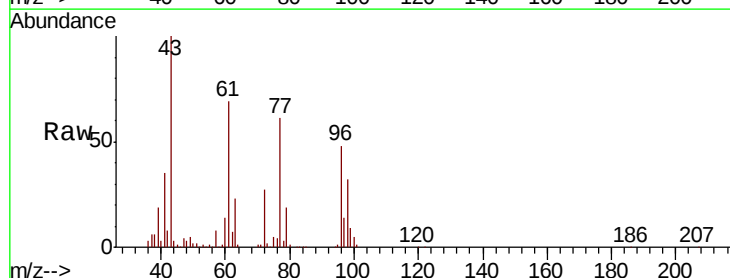
Acq: 6 Aug 2018 12:24

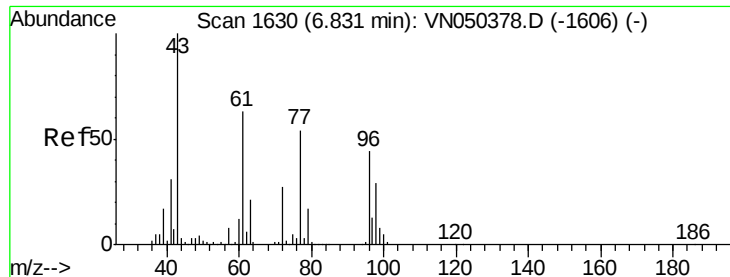
Tgt Ion: 77 Resp: 575736

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3





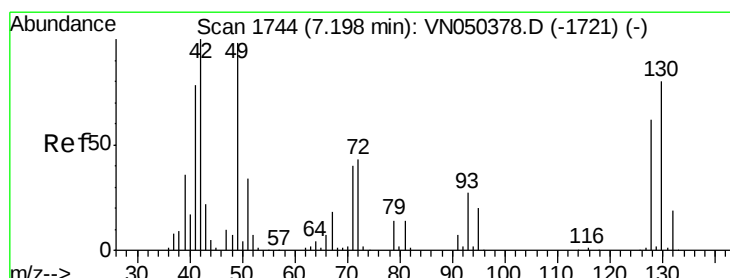
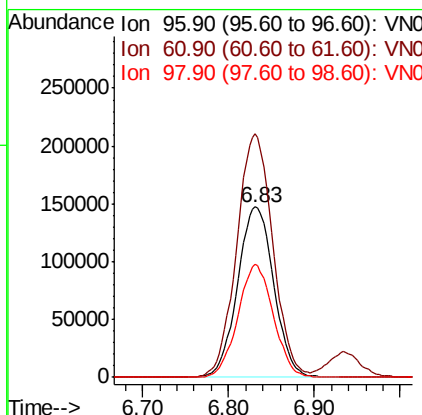
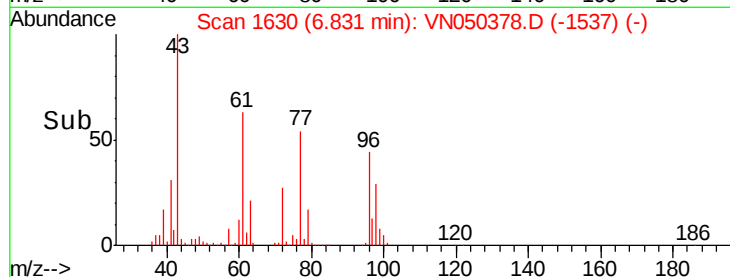
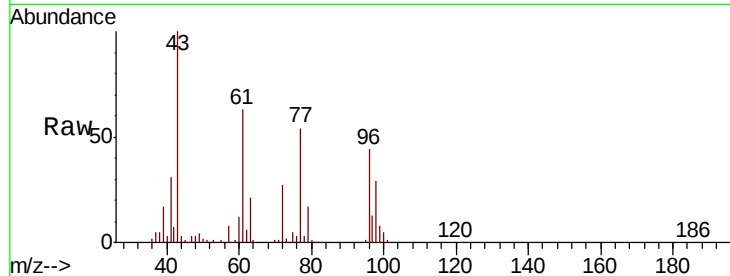
#27
 cis-1,2-Dichloroethene
 Concen: 48.73 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	285.0
98	65.2	0.0	129.2

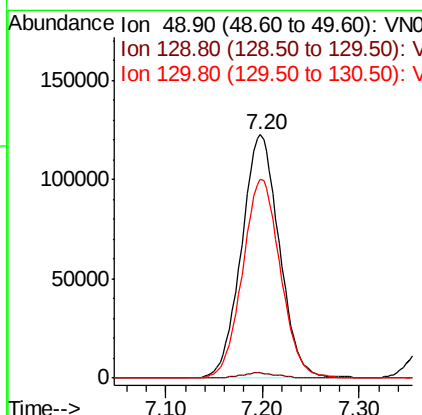
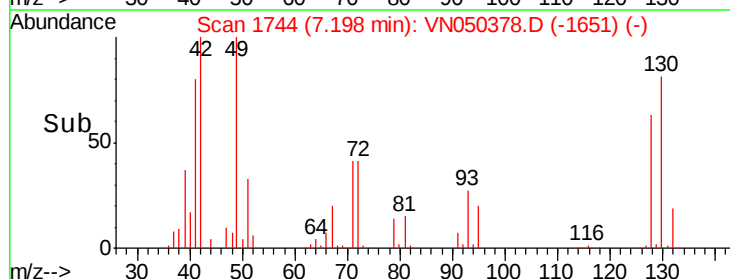
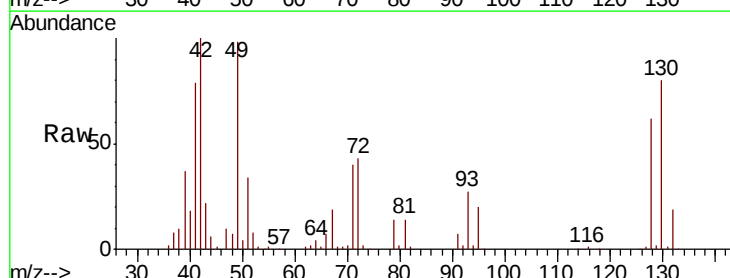
Manual Integrations
 APPROVED

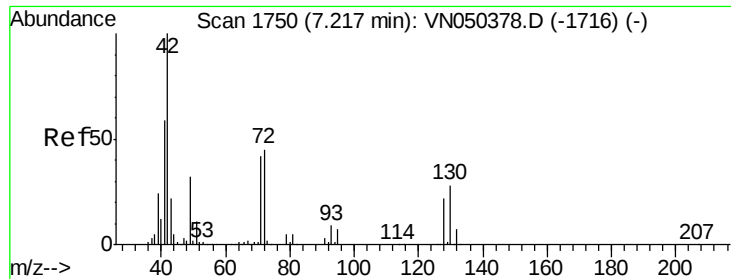
MMDadoda
 8/7/2018 9:58:05 AM



#28
 Bromochloromethane
 Concen: 46.73 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	82.0	66.3	99.5





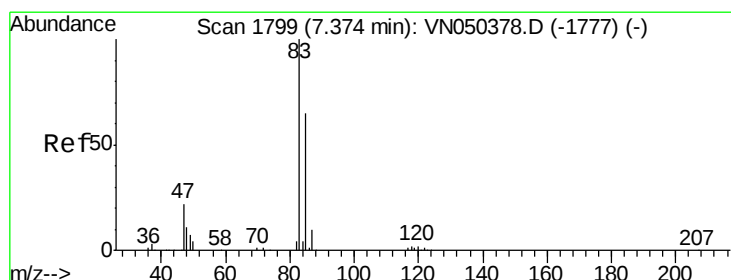
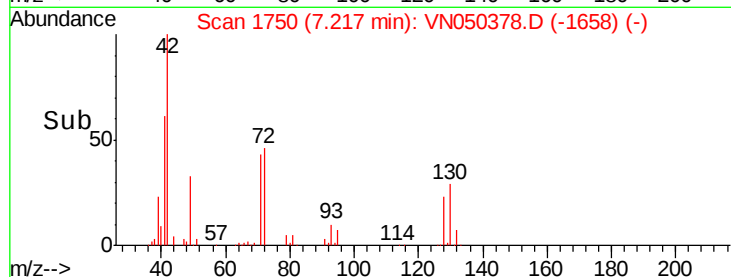
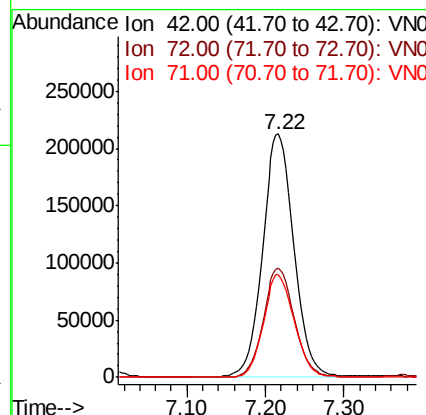
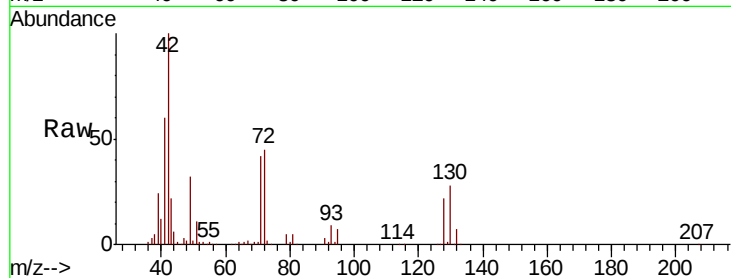
#29
Tetrahydrofuran
Concen: 256.99 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.9	53.9
71	41.8	33.7	50.5

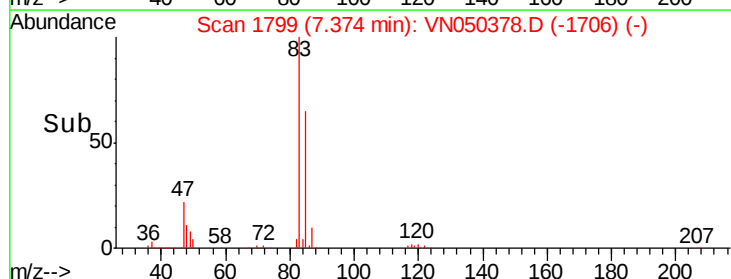
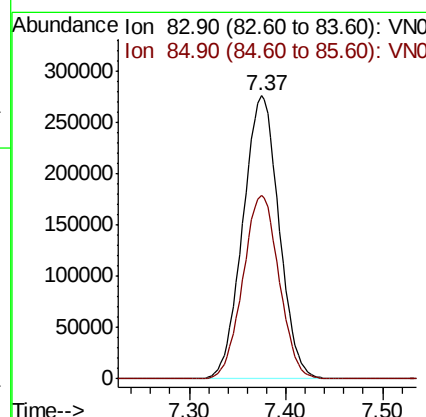
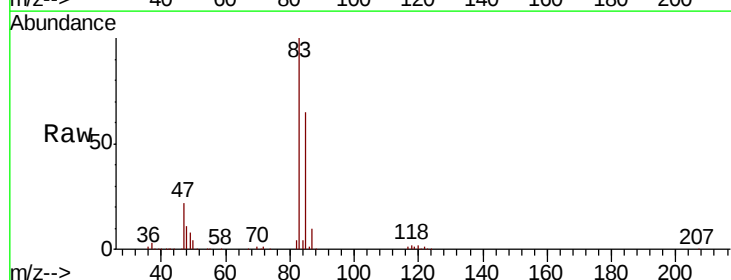
Manual Integrations
APPROVED

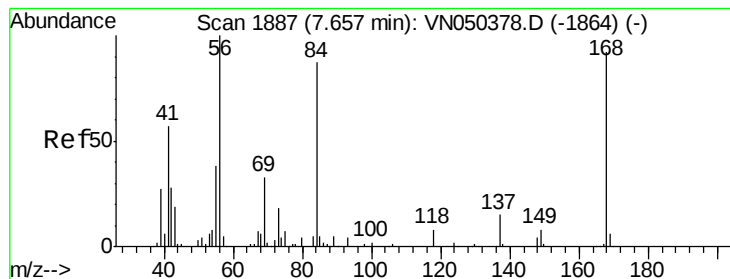
MMDadoda
8/7/2018 9:58:05 AM



#30
Chloroform
Concen: 45.04 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7





#31

Cyclohexane

Concen: 42.54 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 636303

Ion Ratio Lower Upper

56 100

69 33.2 26.2 39.4

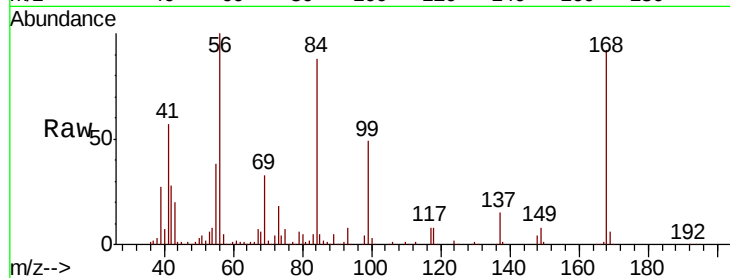
84 86.6 67.4 101.0

Manual Integrations

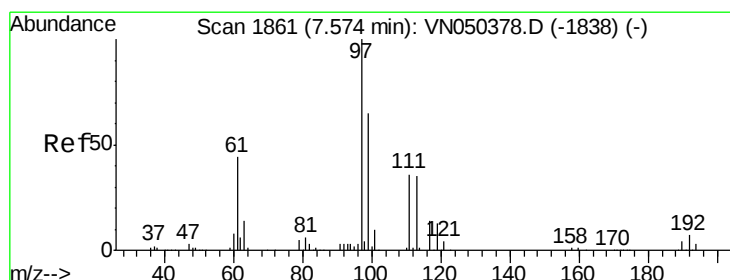
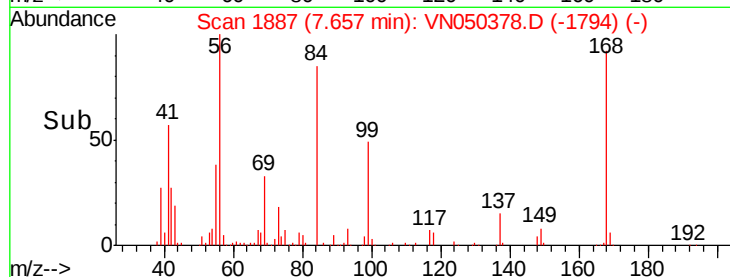
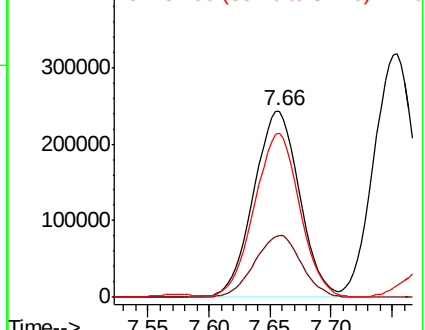
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 45.27 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

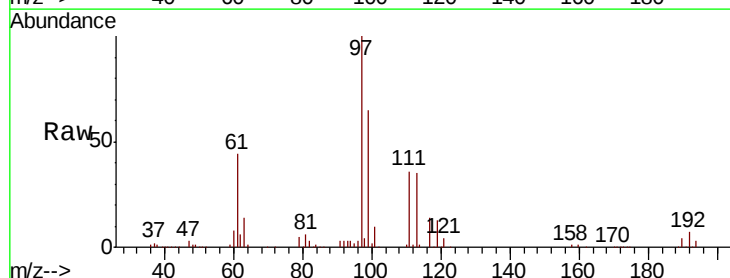
Tgt Ion: 97 Resp: 615667

Ion Ratio Lower Upper

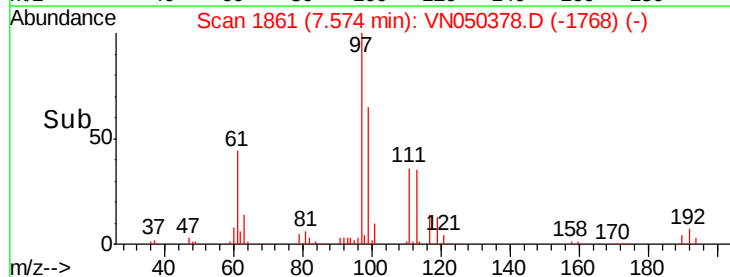
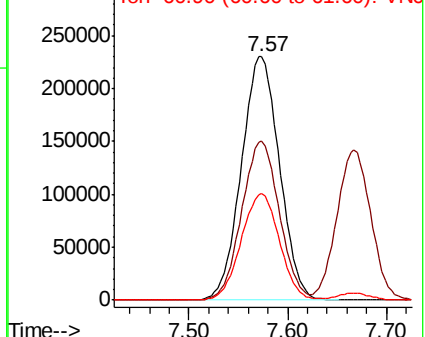
97 100

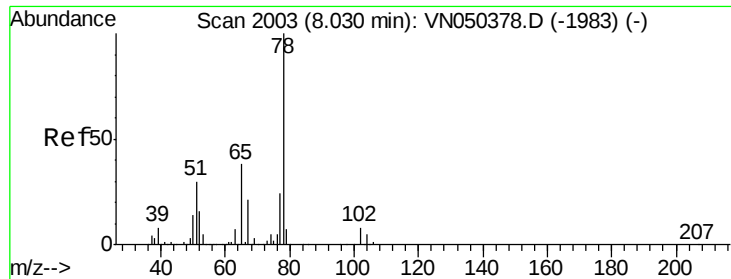
99 64.3 51.4 77.0

61 43.7 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 46.26 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 434046

Ion Ratio Lower Upper

65 100

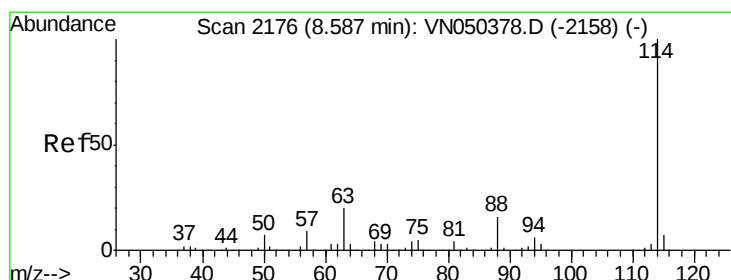
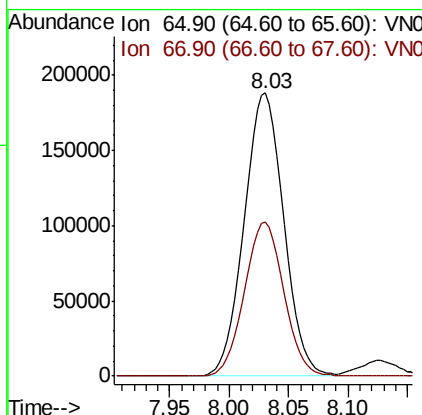
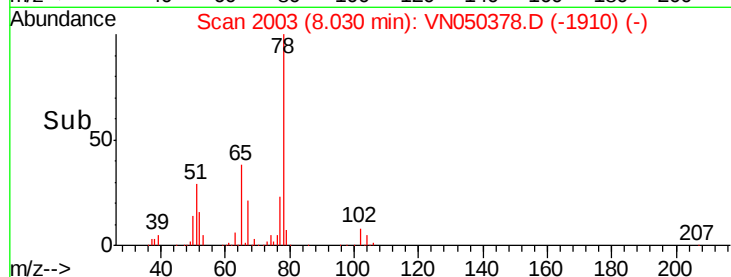
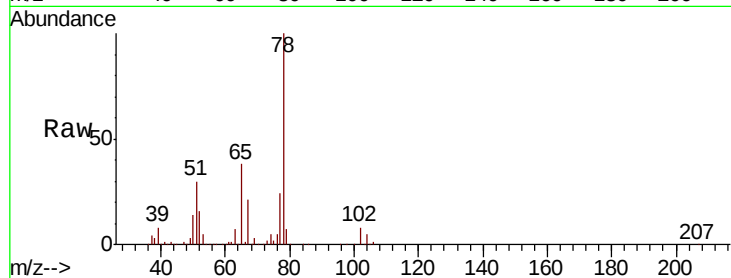
67 54.3 0.0 108.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

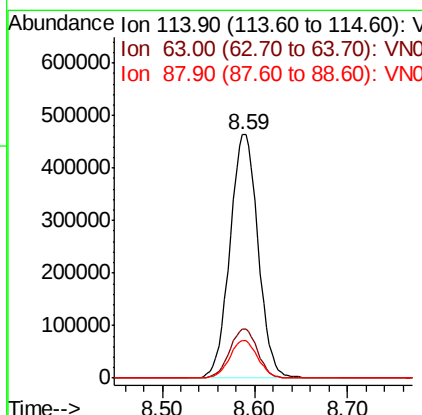
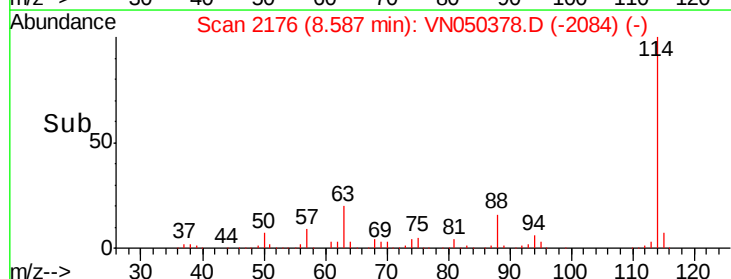
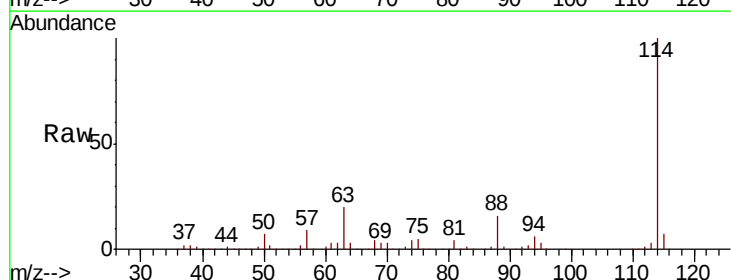
Tgt Ion: 114 Resp: 976500

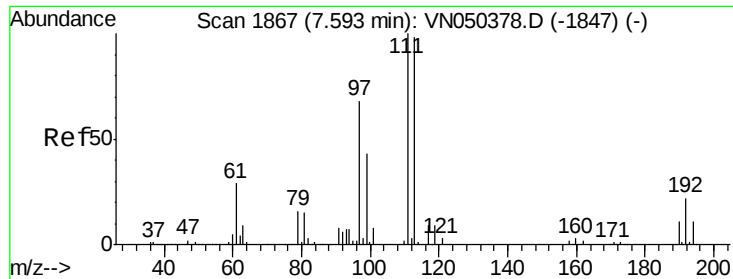
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 15.6 0.0 31.2





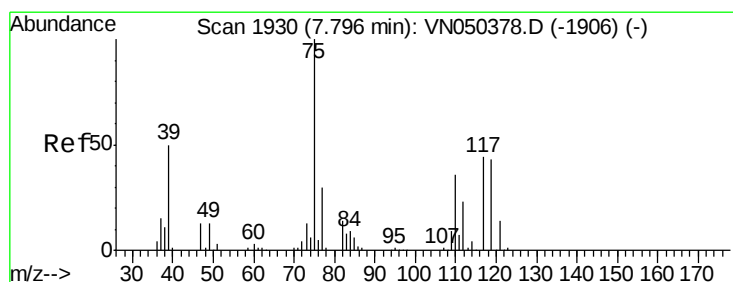
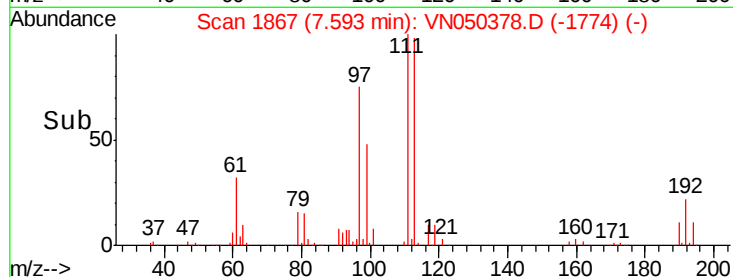
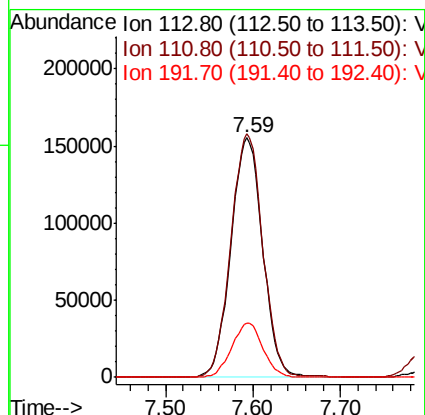
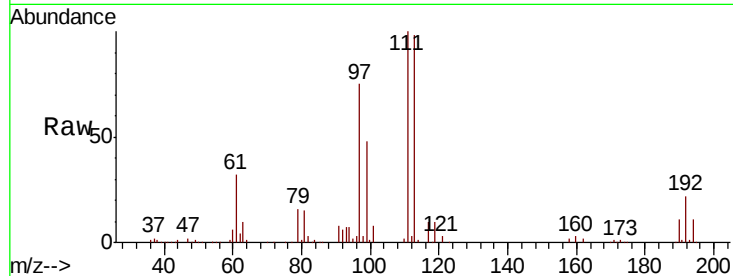
#35
 Dibromofluoromethane
 Concen: 49.06 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	80.7	121.1	
192	22.3	17.8	26.6	

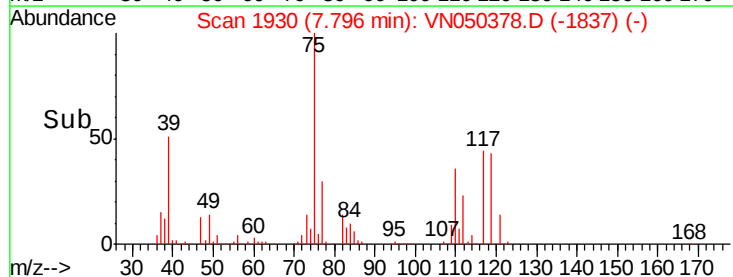
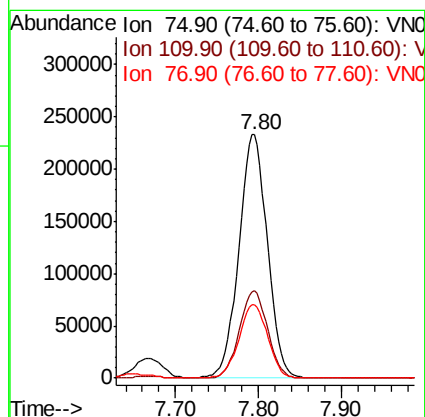
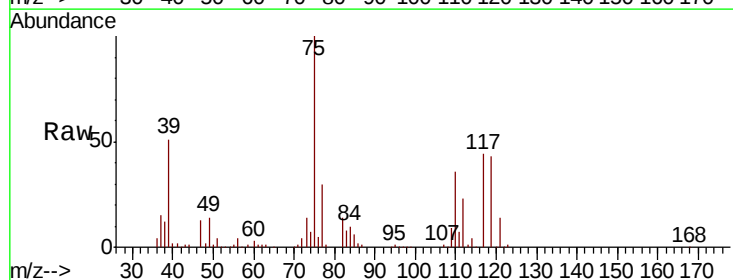
Manual Integrations
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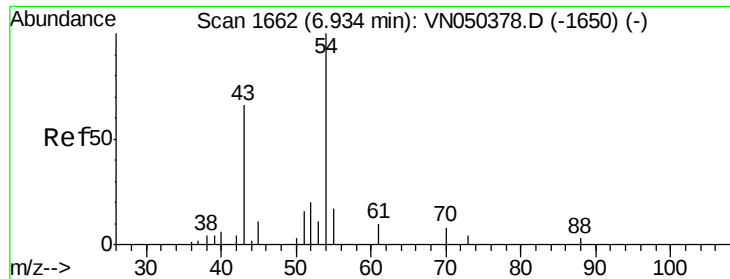
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#36
 1,1-Dichloropropene
 Concen: 50.46 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.7	18.4	55.2	
77	30.8	25.3	37.9	





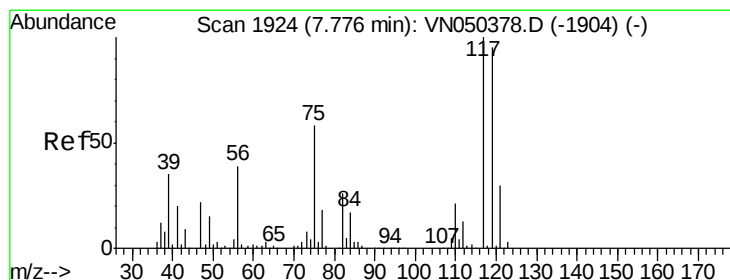
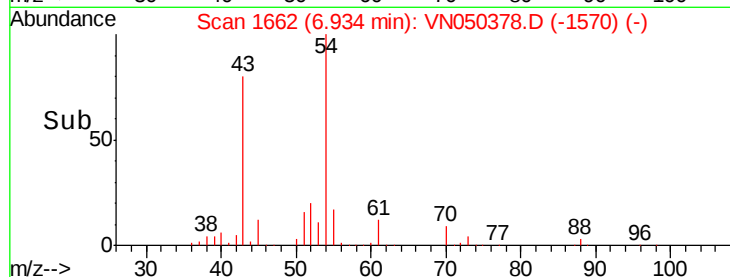
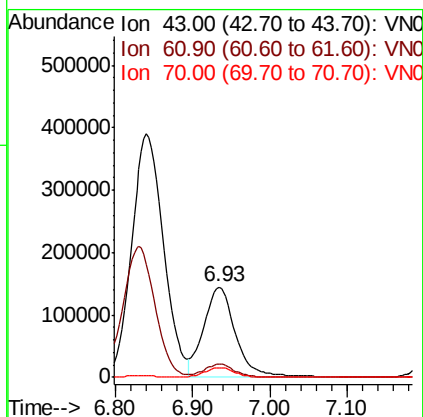
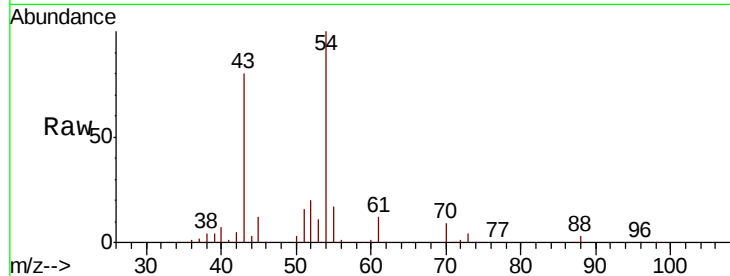
#37
Ethyl Acetate
Concen: 53.48 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	43	61	70
Resp	410228		
Ion Ratio	100	14.0	10.4
Lower		11.8	8.4
Upper		17.8	12.6

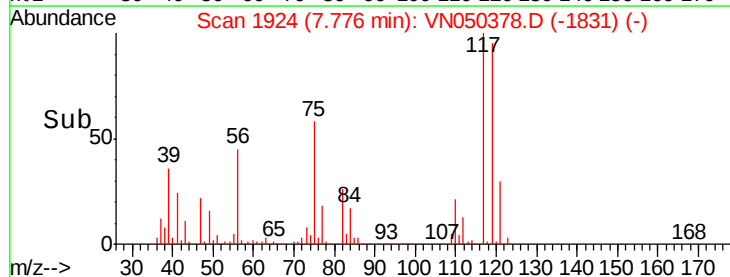
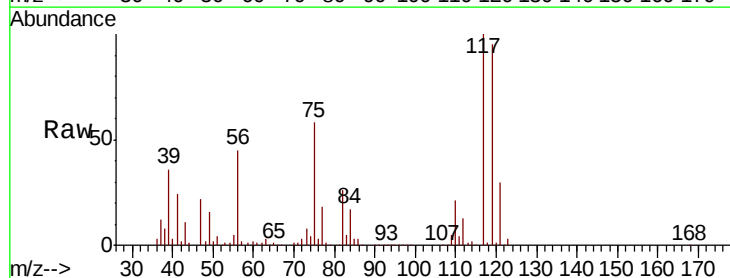
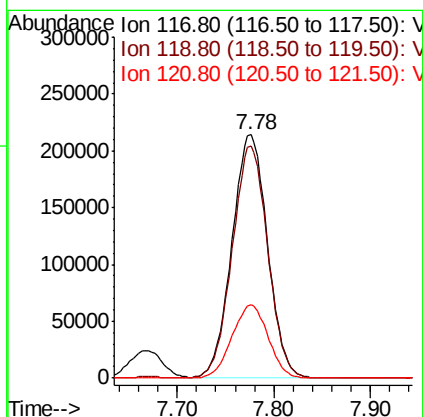
Manual Integrations
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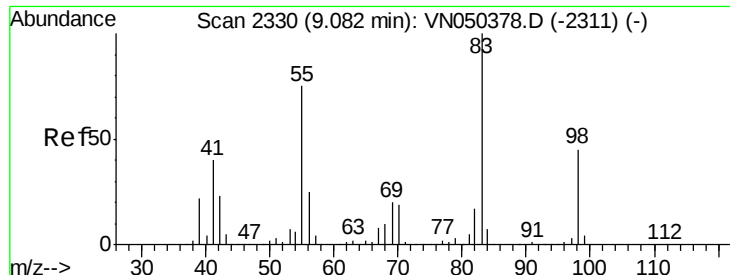
MMDadoda
8/7/2018 9:58:05 AM



#38
Carbon Tetrachloride
Concen: 46.95 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	117	119	121
Resp	548065		
Ion Ratio	100	95.1	30.2
Lower		77.4	23.9
Upper		116.0	35.9





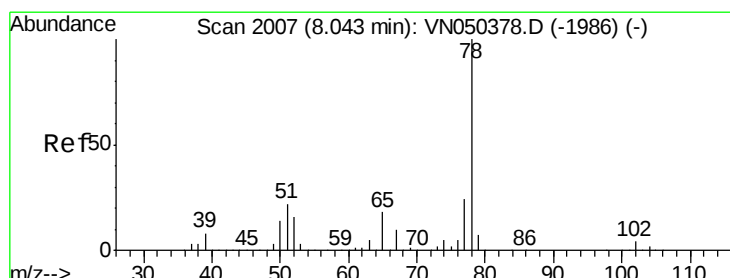
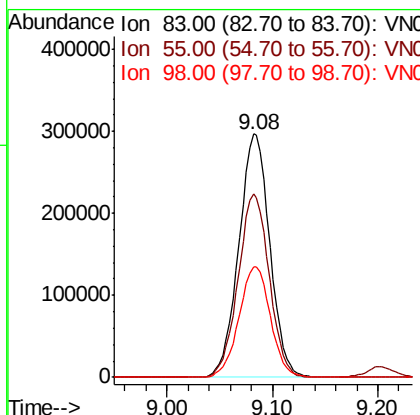
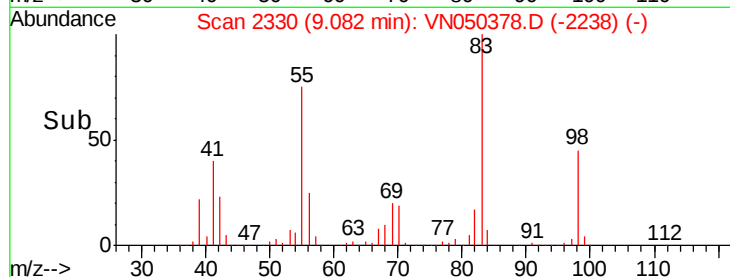
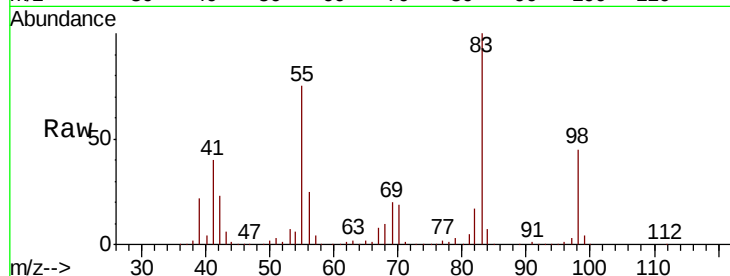
#39
Methvlcvclohexane
Concen: 53.56 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	61.8	92.8
98	45.2	36.5	54.7

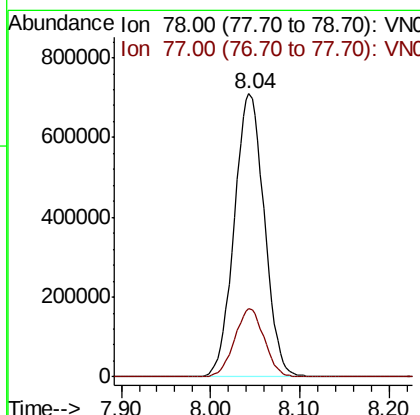
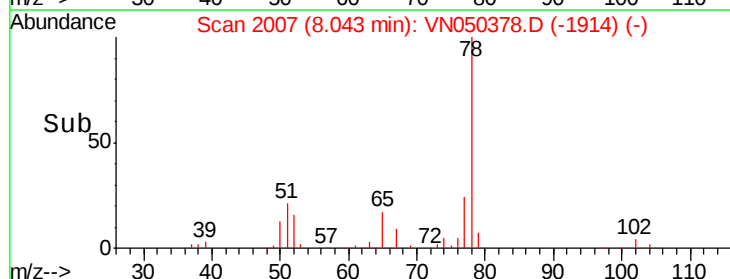
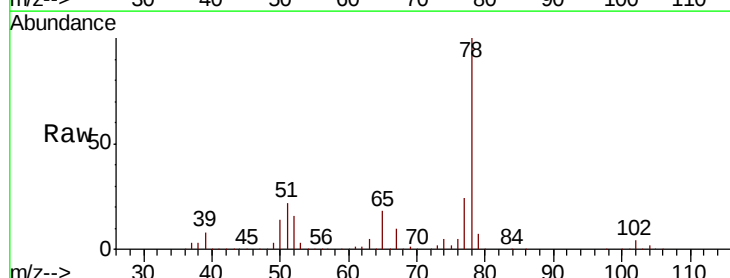
Manual Integrations
APPROVED

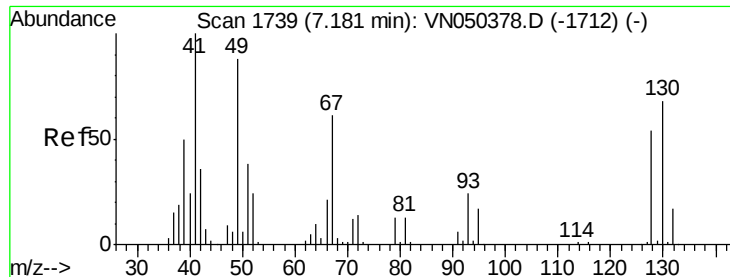
MMDadoda
8/7/2018 9:58:05 AM



#40
Benzene
Concen: 49.57 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





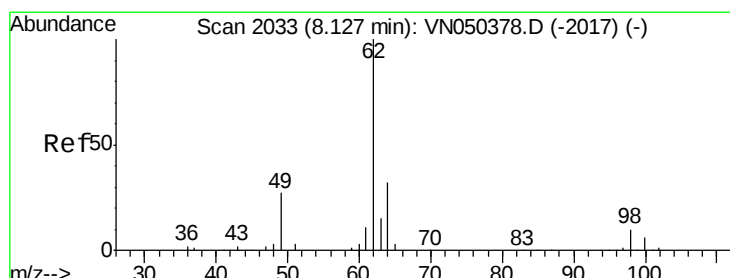
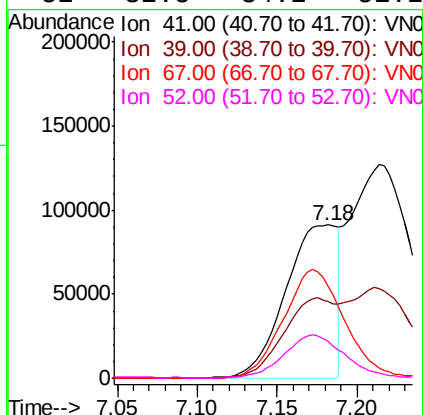
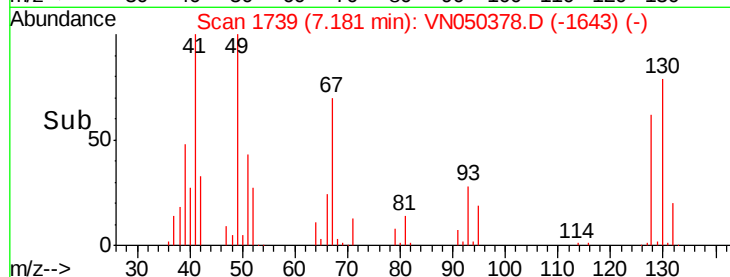
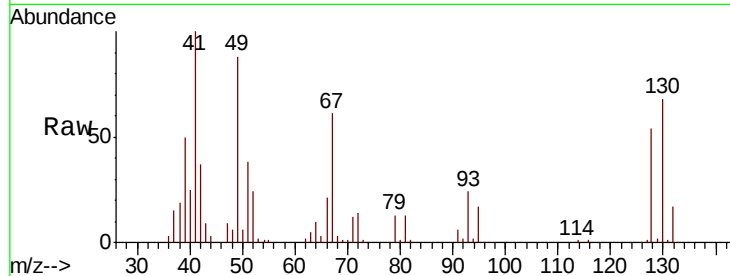
#41
Methacrylonitrile
Concen: 57.79 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	55.8	83.6#
67	83.7	84.3	126.5#
52	32.5	34.2	51.2#

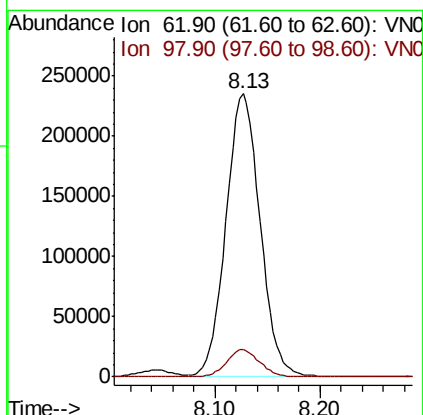
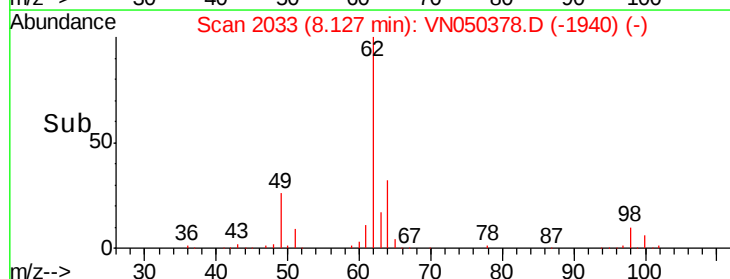
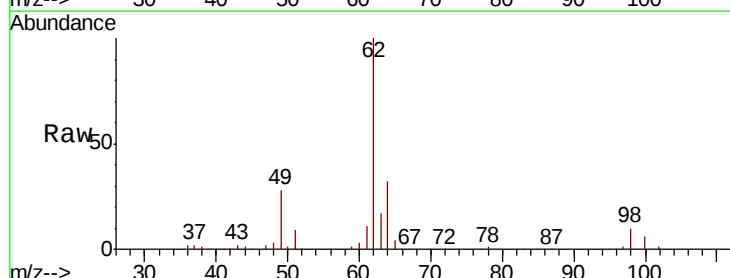
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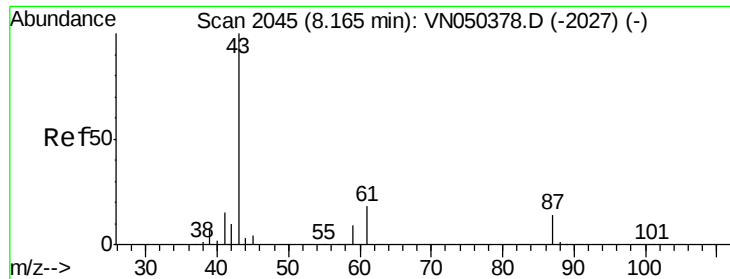
MMDadoda
8/7/2018 9:58:05 AM



#42
1,2-Dichloroethane
Concen: 47.13 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43

Isopropyl Acetate

Concen: 36.56 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

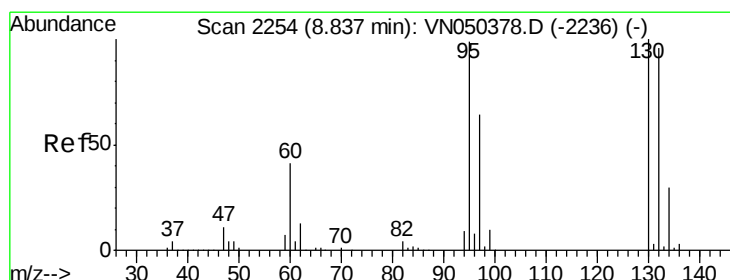
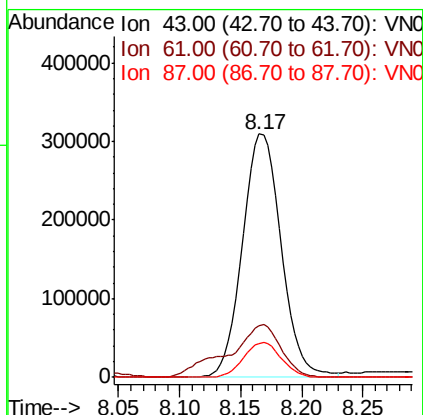
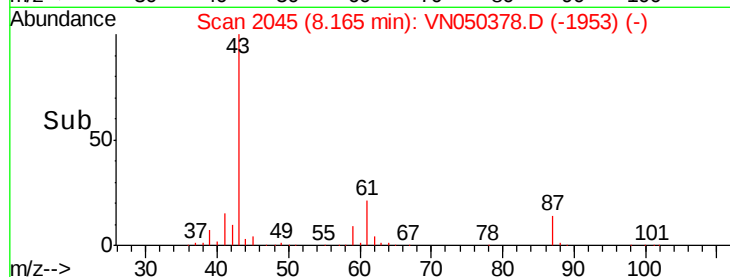
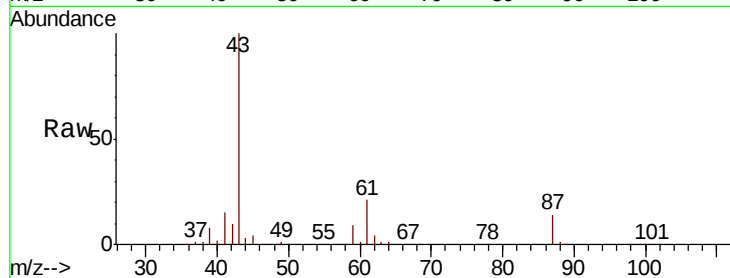
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	678764
Ion	Ratio	Lower	Upper
43	100		
61	29.1	15.8	23.6#
87	14.0	10.3	15.5

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#44

Trichloroethene

Concen: 48.15 ug/l

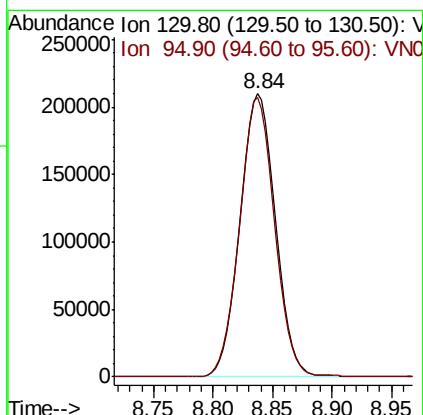
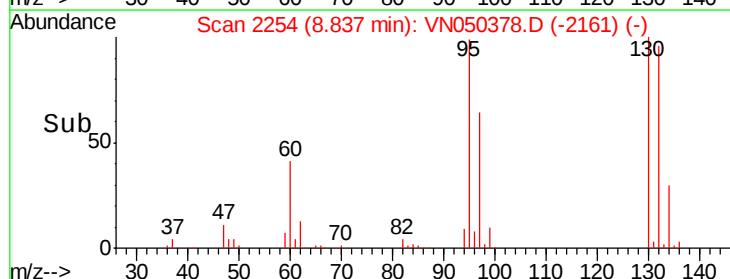
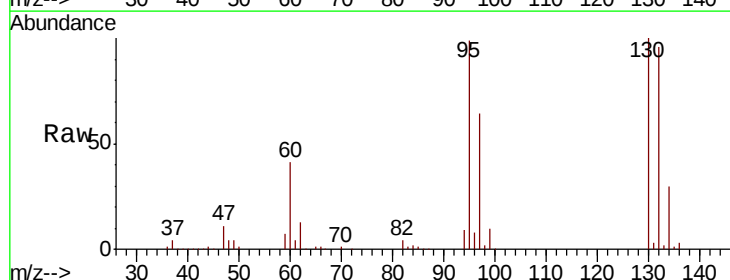
RT: 8.84 min Scan# 2254

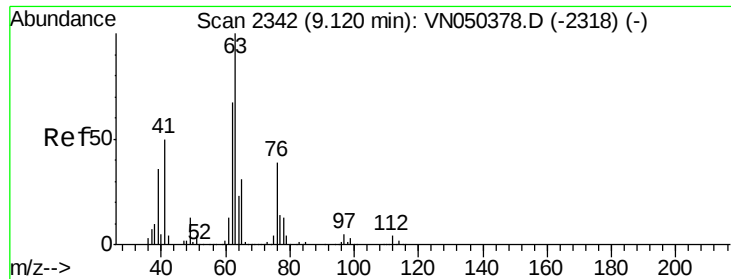
Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Tgt Ion:	130	Resp:	433143
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	194.6





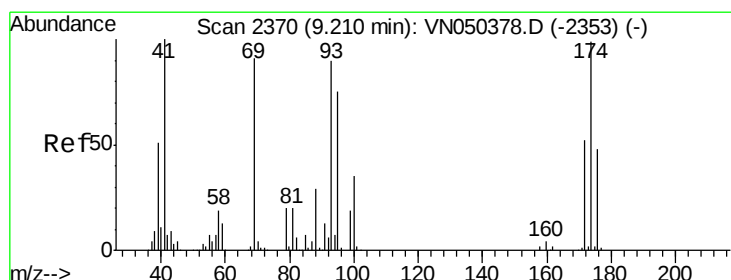
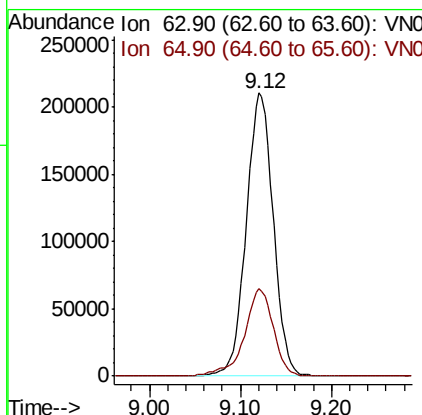
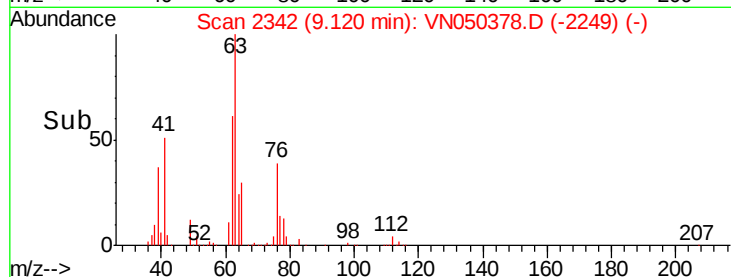
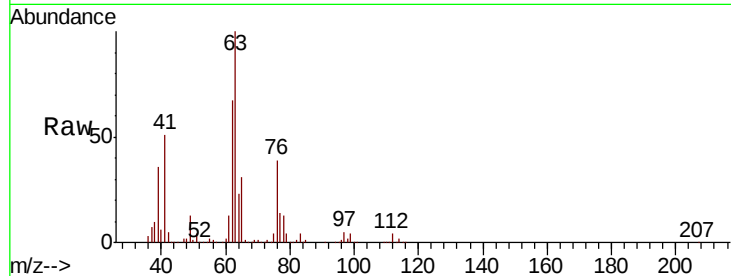
#45
 1,2-Dichloropropane
 Concen: 48.98 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	63	Resp	434312
Ion Ratio	Lower	Upper	
63	100		
65	30.7	25.5	38.3

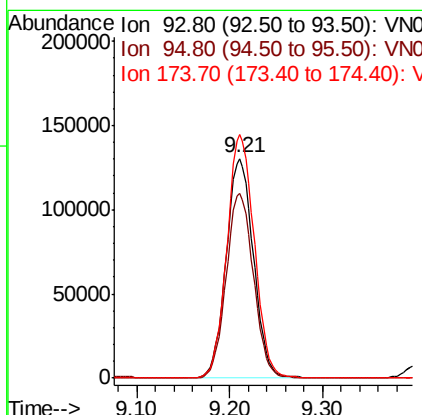
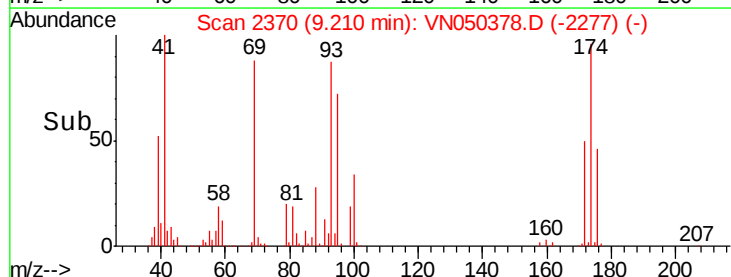
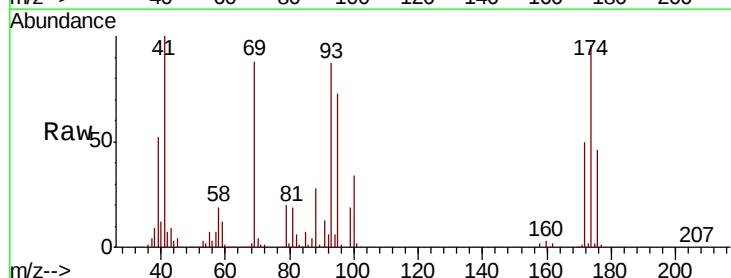
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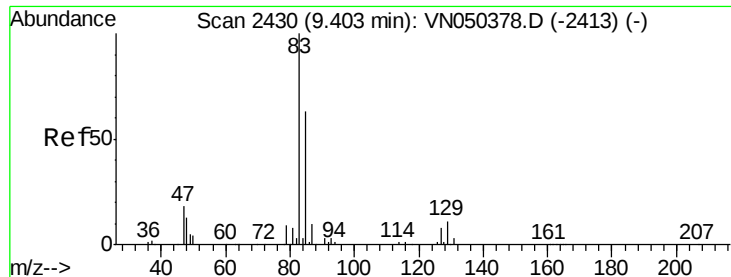
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 8/7/2018 9:58:05 AM



#46
 Dibromomethane
 Concen: 48.48 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Tgt Ion	93	Resp	266943
Ion Ratio	Lower	Upper	
93	100		
95	83.9	66.6	100.0
174	110.7	87.1	130.7





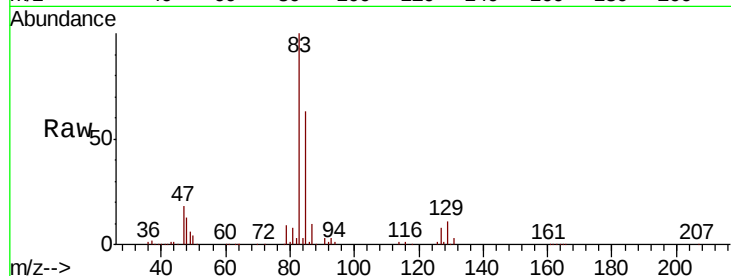
#47
Bromodichloromethane
Concen: 47.31 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

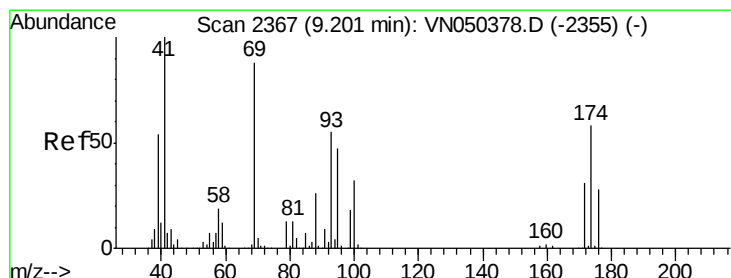
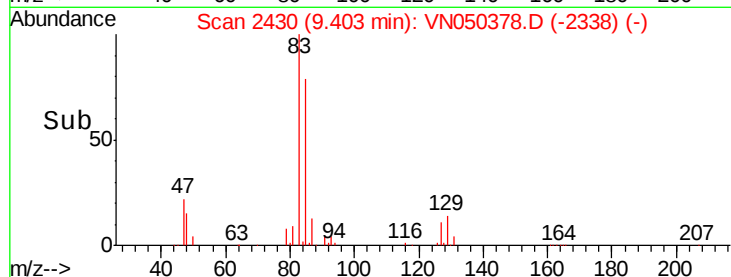
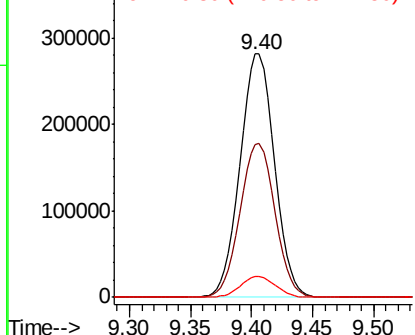
Tot Ion	Ratio	Resp	Lower	Upper
83	100	549790		
85	63.0		51.1	76.7
127	8.5		7.0	10.4

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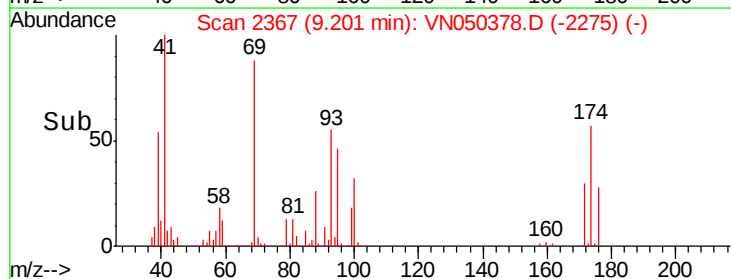
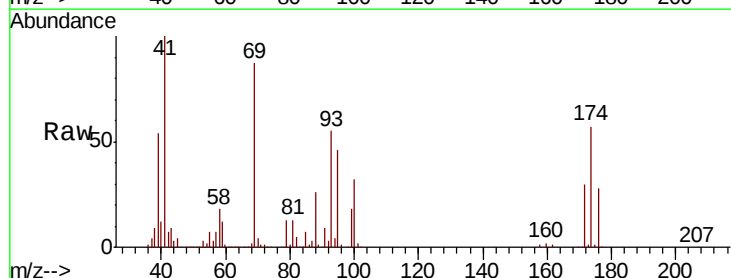
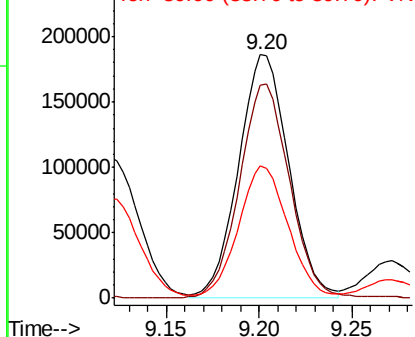
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

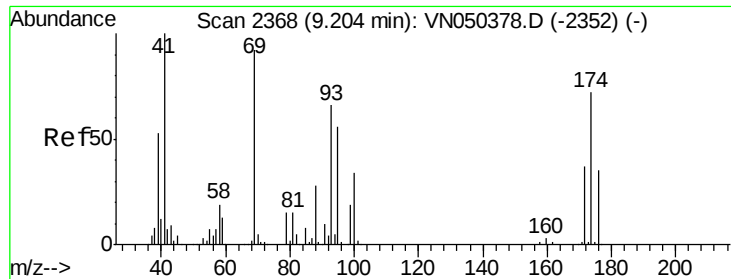


#48
Methyl methacrylate
Concen: 52.88 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	349331		
69	88.6		70.6	105.8
39	53.8		43.9	65.9

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





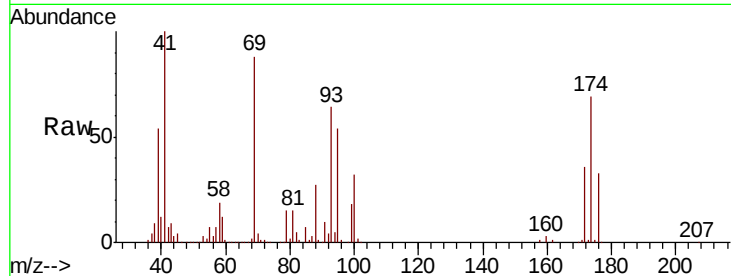
#49
1,4-Dioxane
Concen: 1160.38 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

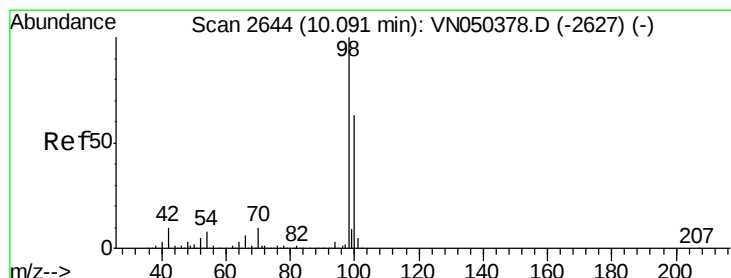
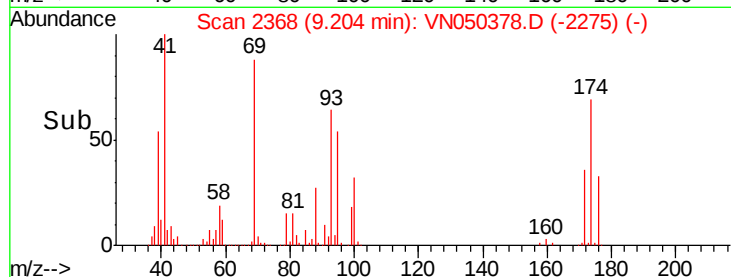
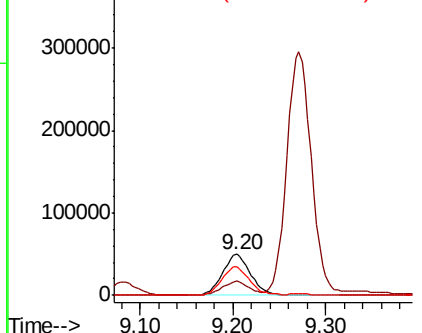
Tot Ion	88	Resp	104318
Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.9	40.3
58	68.4	57.3	85.9

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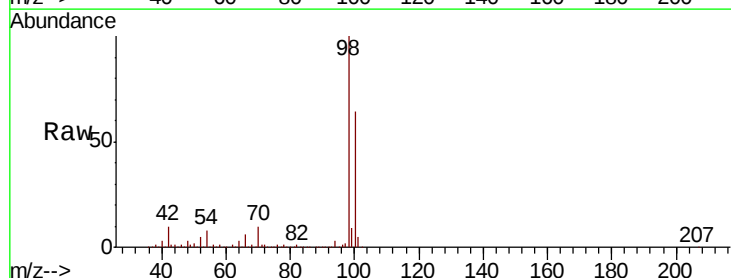


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

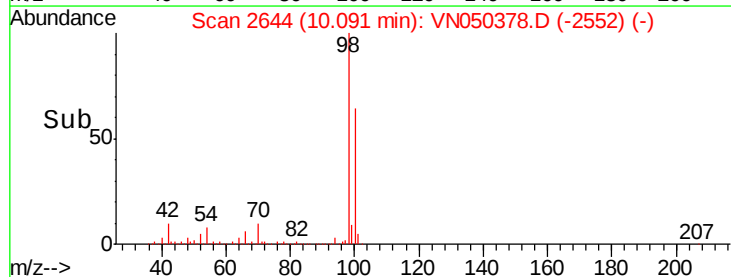
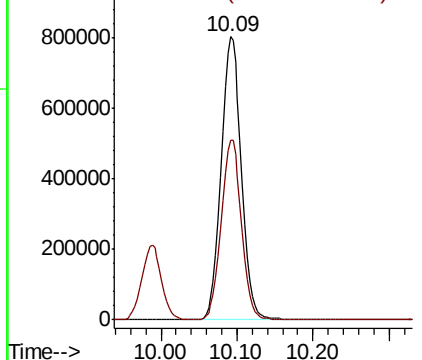


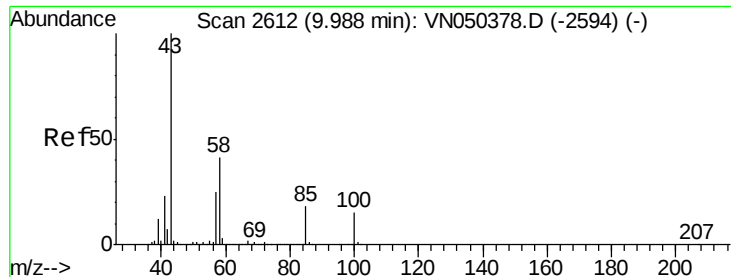
#50
Toluene-d8
Concen: 50.54 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	98	Resp	1481430
Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 334.15 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2519631

Ion Ratio Lower Upper

43 100

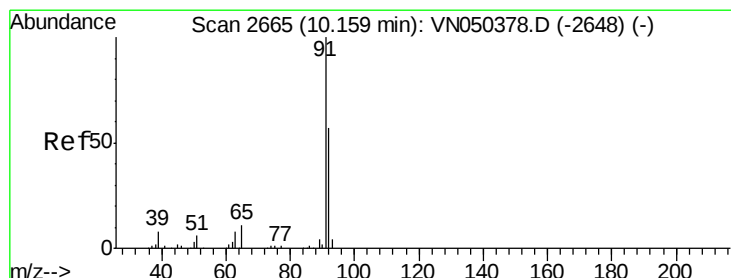
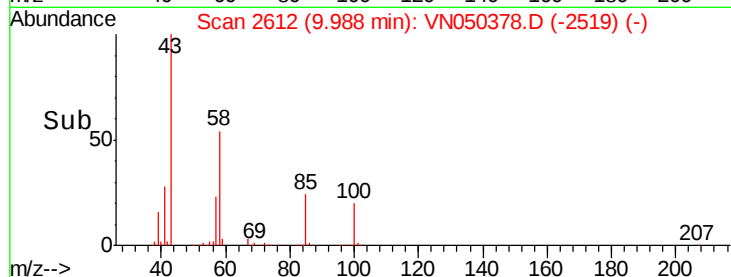
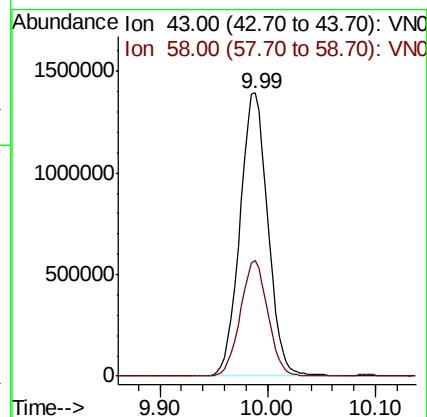
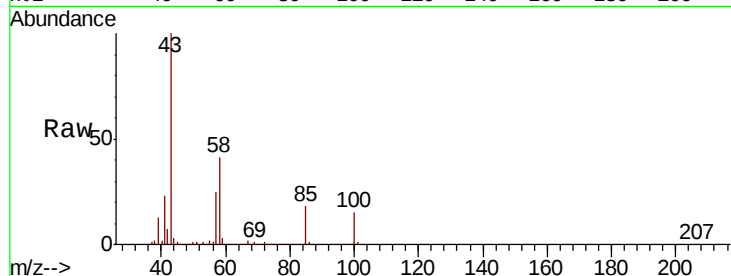
58 40.2 31.9 47.9

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#52

Toluene

Concen: 52.04 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050378.D

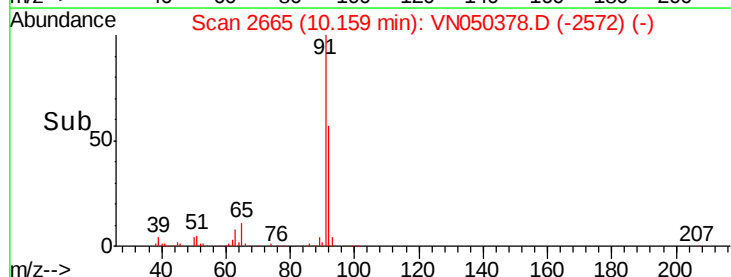
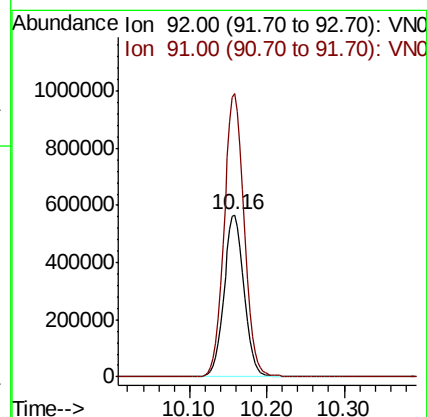
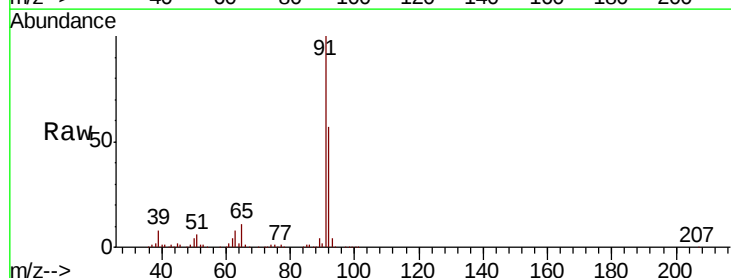
Acq: 6 Aug 2018 12:24

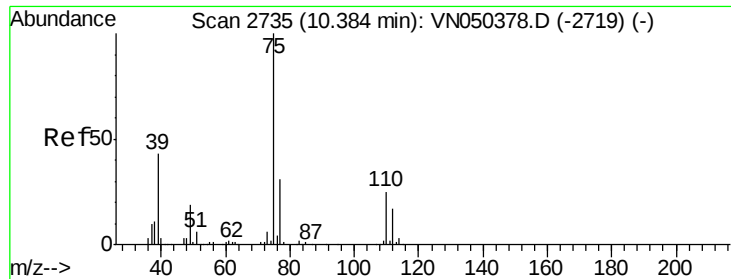
Tgt Ion: 92 Resp: 1028446

Ion Ratio Lower Upper

92 100

91 175.3 140.3 210.5





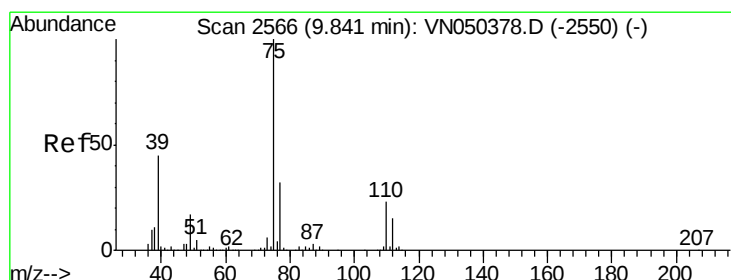
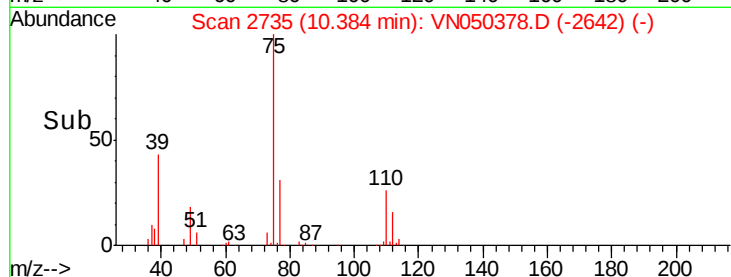
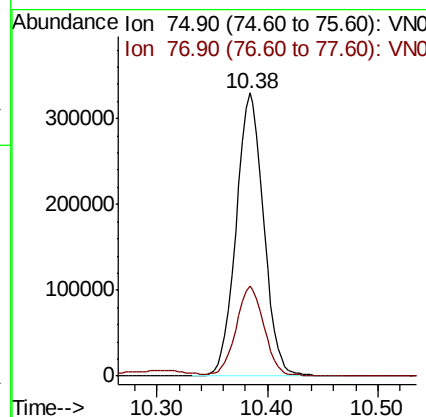
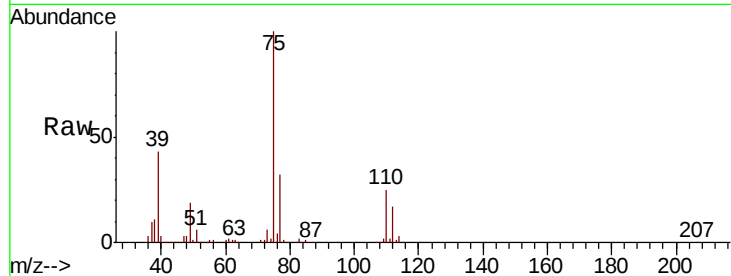
#53
t-1,3-Dichloropropene
Concen: 52.10 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3

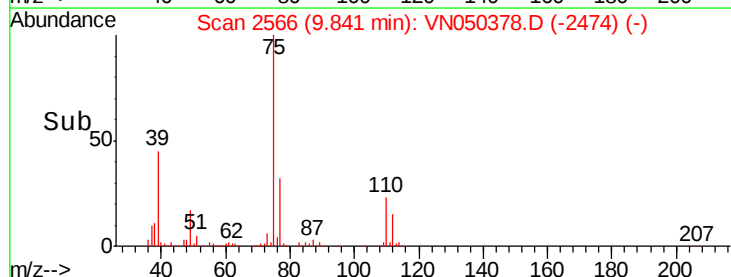
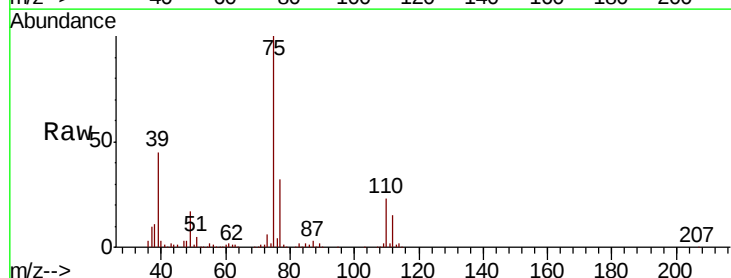
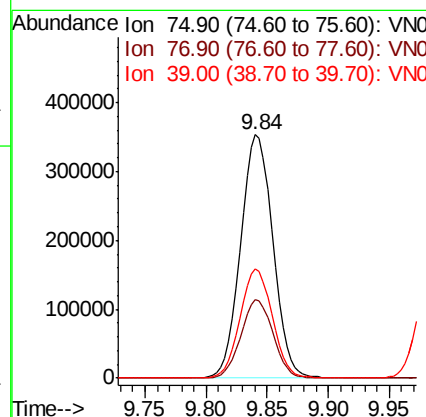
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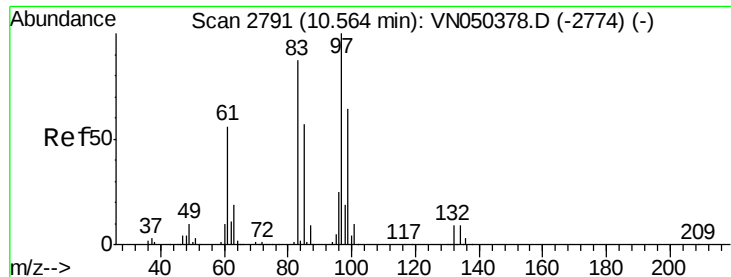
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#54
cis-1,3-Dichloropropene
Concen: 51.60 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	44.7	36.6	55.0





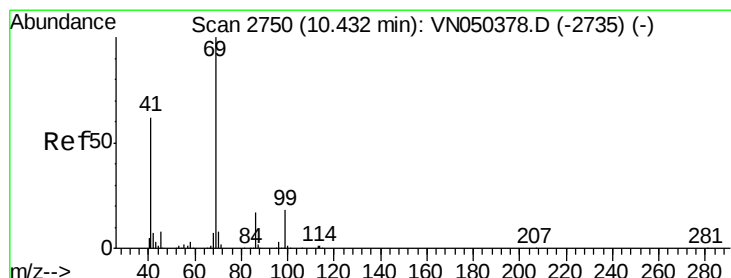
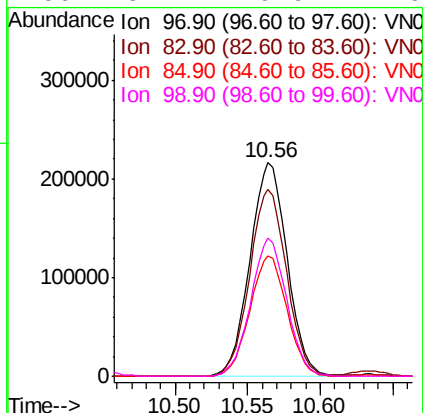
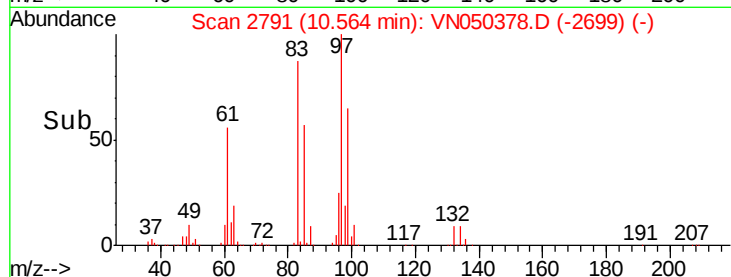
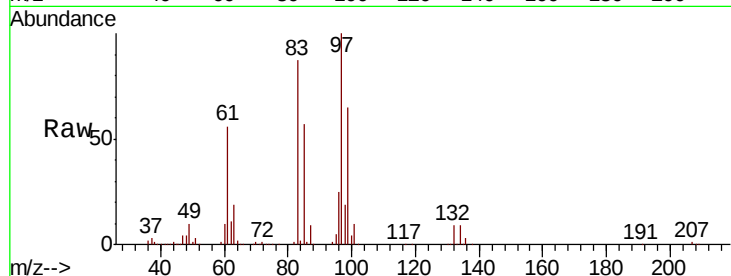
#55
 1,1,2-Trichloroethane
 Concen: 49.32 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	386624
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.2	103.8
85	56.6	44.0	66.0
99	64.4	49.9	74.9

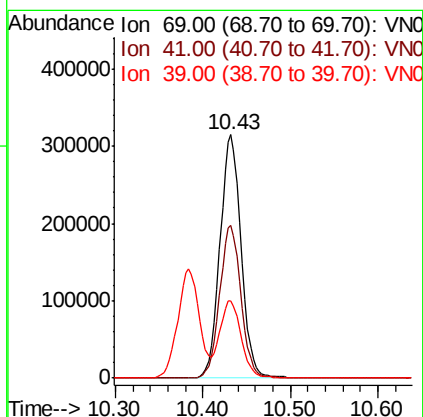
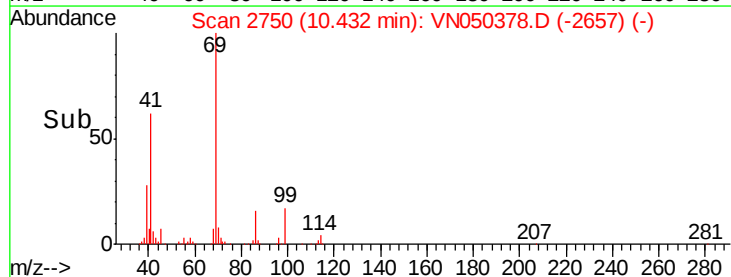
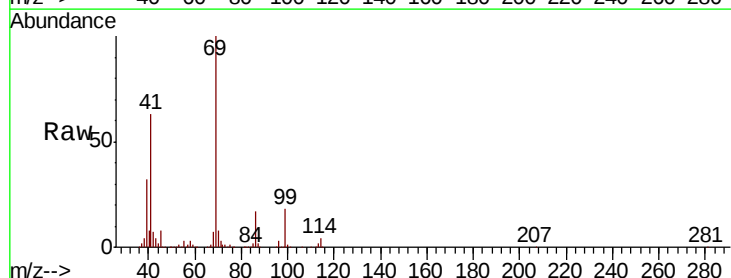
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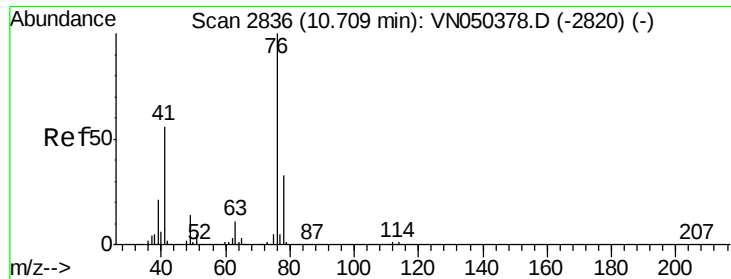
MMDadoda
 8/7/2018 9:58:05 AM



#56
 Ethyl methacrylate
 Concen: 56.84 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Tgt Ion:	69	Resp:	526431
Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.4
39	31.9	26.6	40.0





#57

1,3-Dichloropropane

Concen: 50.27 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 641661

Ion Ratio Lower Upper

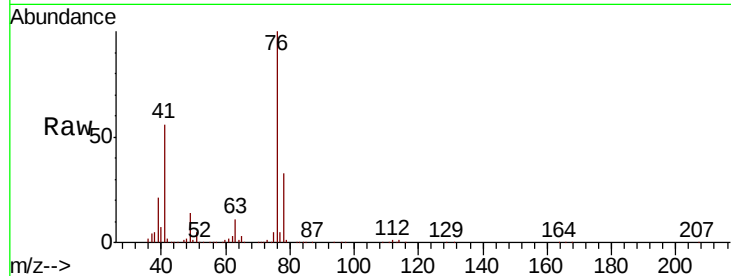
76 100

78 32.0 25.7 38.5

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

300000

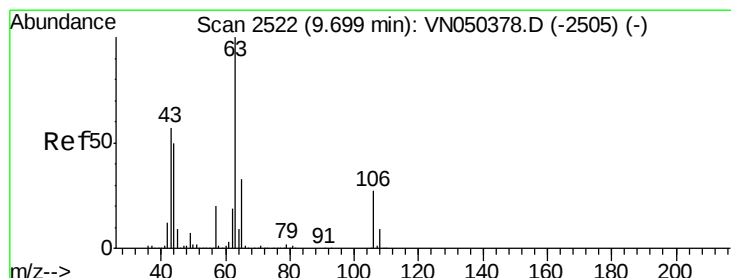
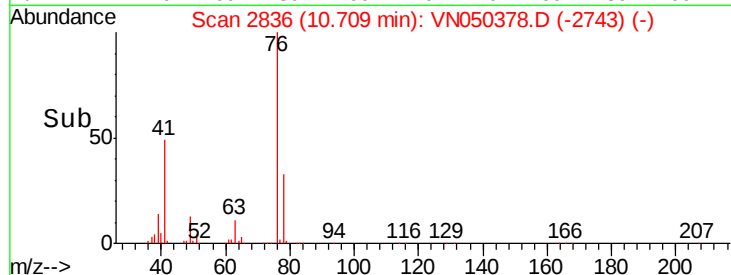
200000

100000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 290.78 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050378.D

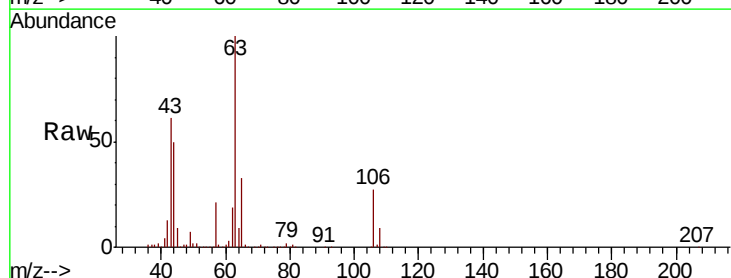
Acq: 6 Aug 2018 12:24

Tgt Ion: 63 Resp: 1253320

Ion Ratio Lower Upper

63 100

106 27.1 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

800000

600000

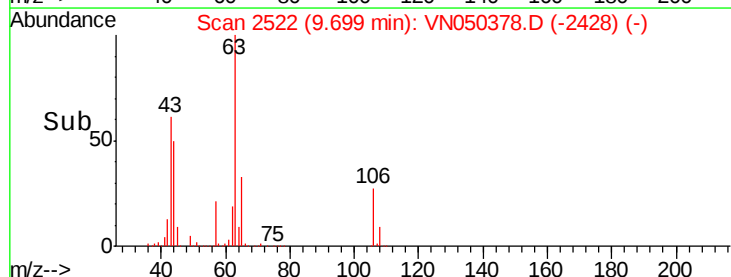
400000

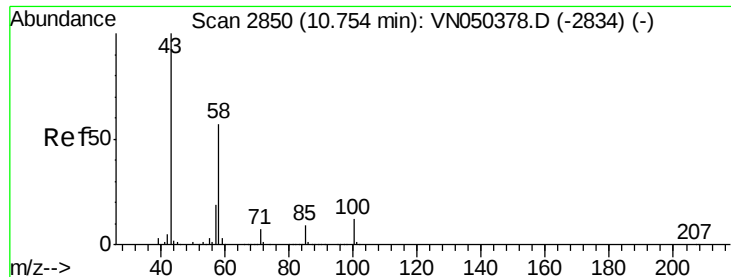
200000

0

Time-->

9.60 9.70 9.80





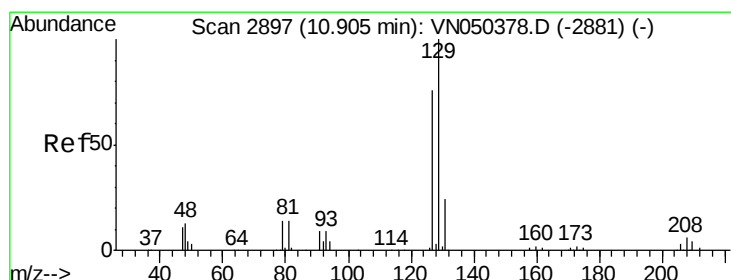
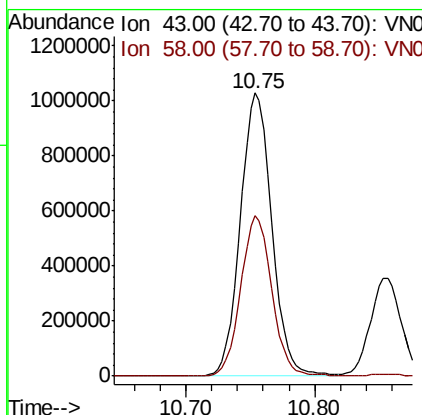
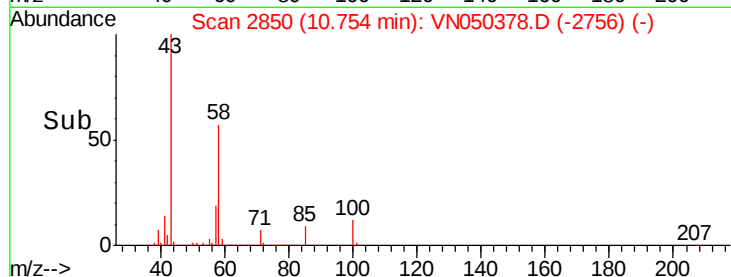
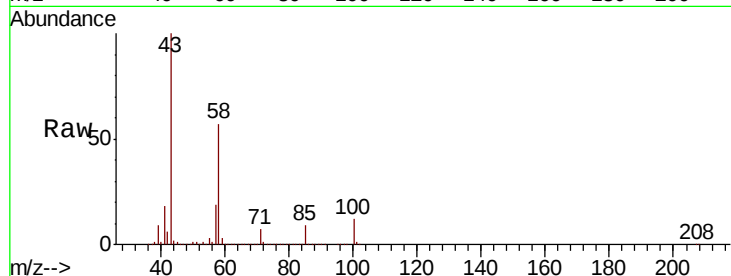
#59
2-Hexanone
Concen: 350.93 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1746150
Ion Ratio Lower Upper
43 100
58 56.2 27.6 82.7

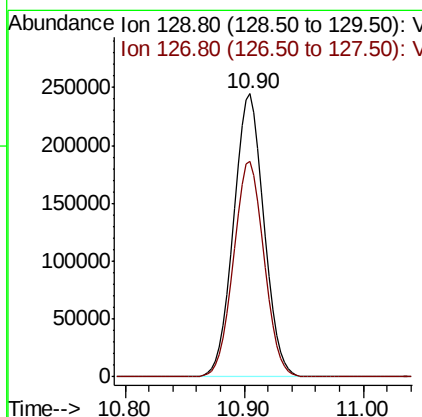
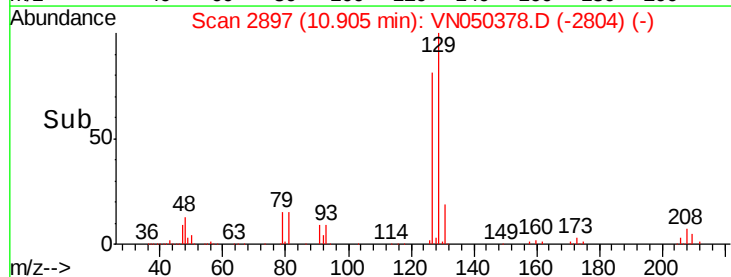
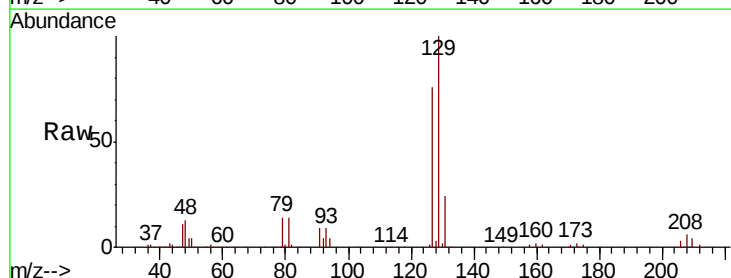
Manual Integrations
APPROVED

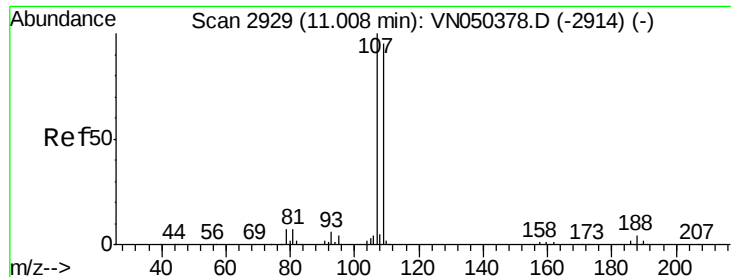
MMDadoda
8/7/2018 9:58:05 AM



#60
Dibromochloromethane
Concen: 49.78 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion: 129 Resp: 432047
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 50.00 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 388855

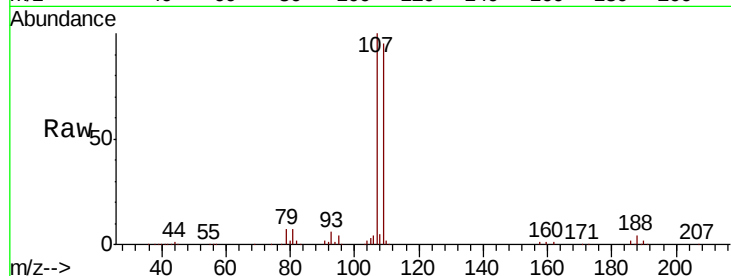
Ion Ratio Lower Upper

107 100

109 95.3 74.6 112.0

Manual Integrations
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8/7/2018 9:58:05 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

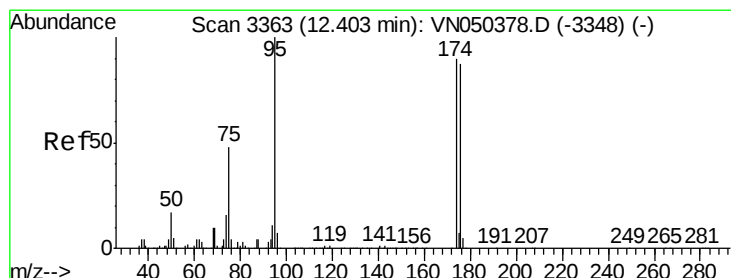
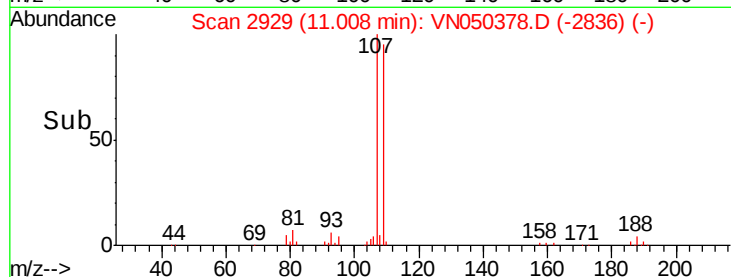
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 52.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

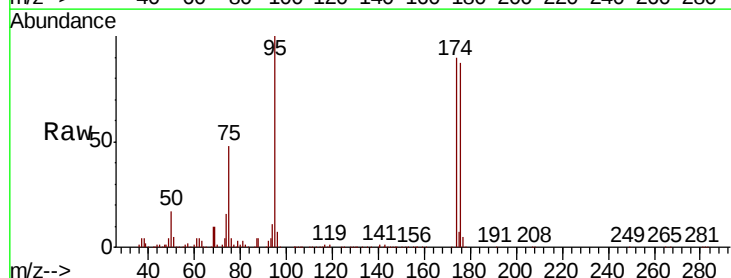
Tgt Ion: 95 Resp: 506292

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.2

176 86.7 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

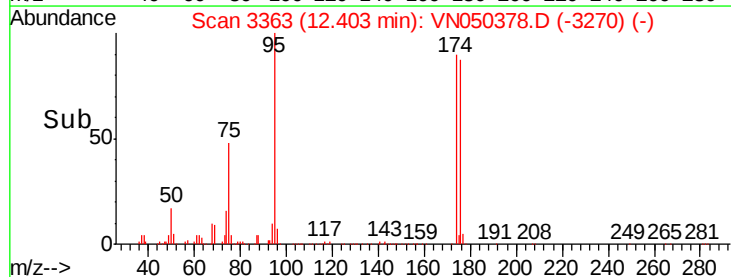
300000

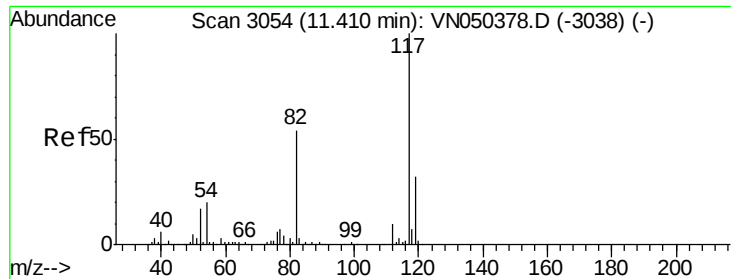
200000

100000

0

Time--> 12.35 12.40 12.45





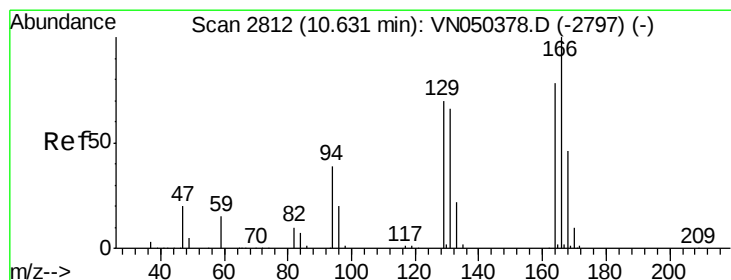
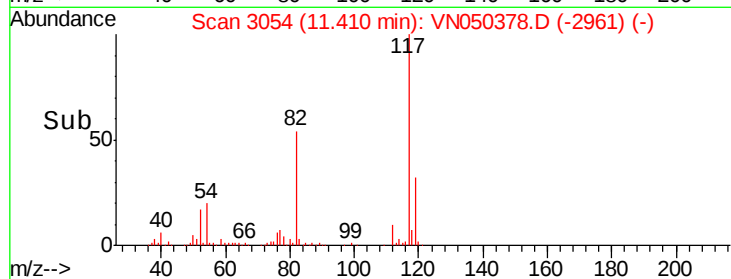
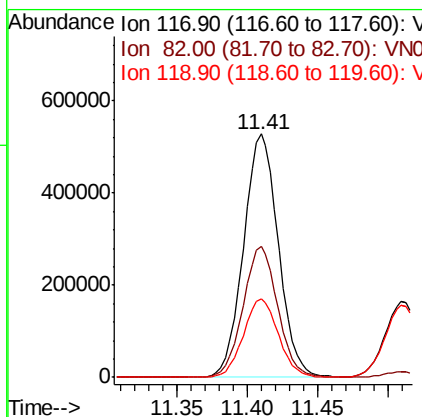
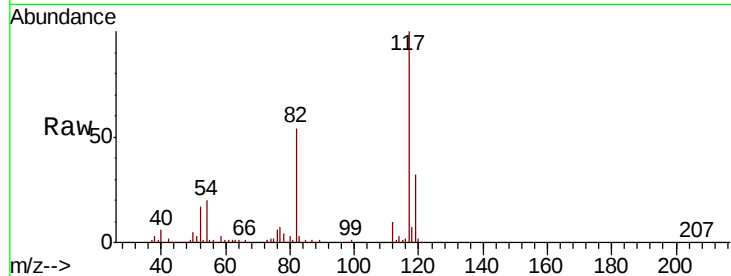
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.7	65.5
119	32.3	26.1	39.1

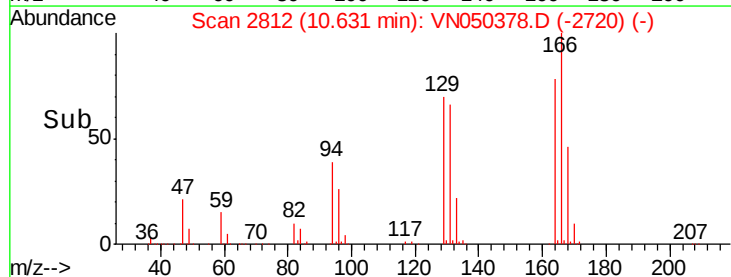
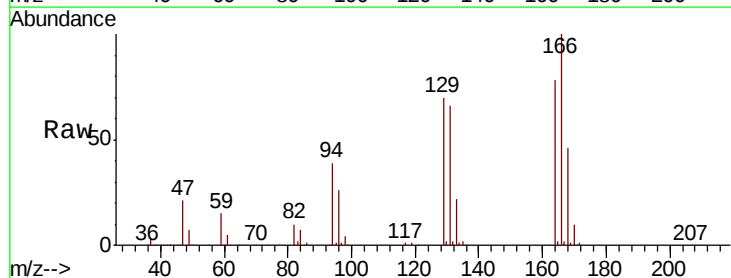
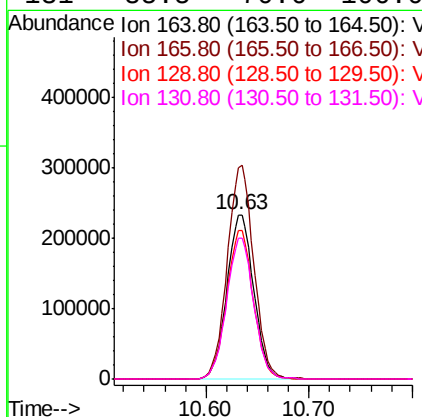
Manual Integrations
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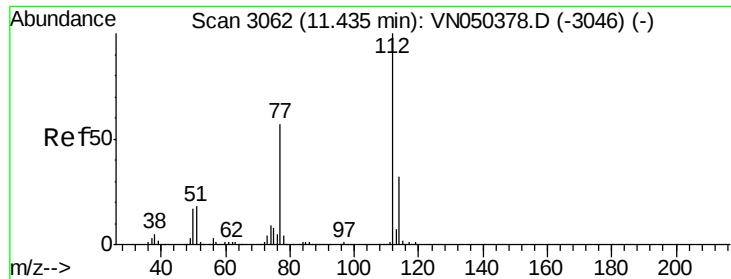
MMDadoda
8/7/2018 9:58:05 AM



#64
Tetrachloroethene
Concen: 48.19 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.1	153.1
129	90.2	73.2	109.8
131	85.5	70.6	106.0





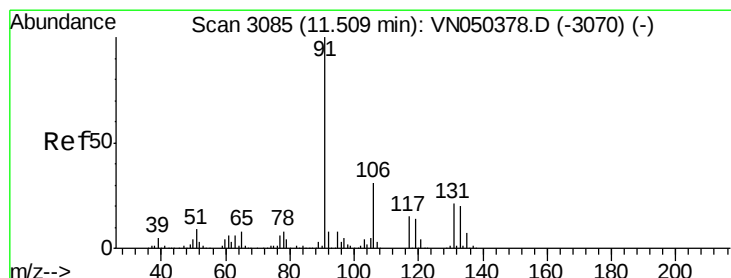
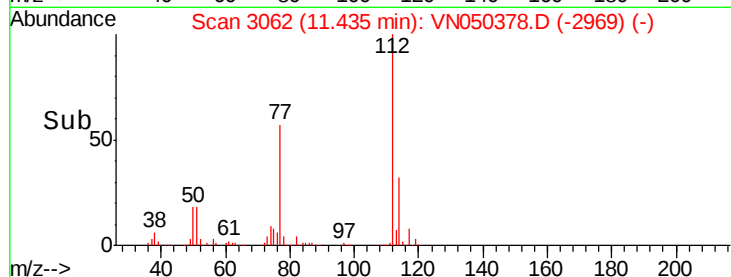
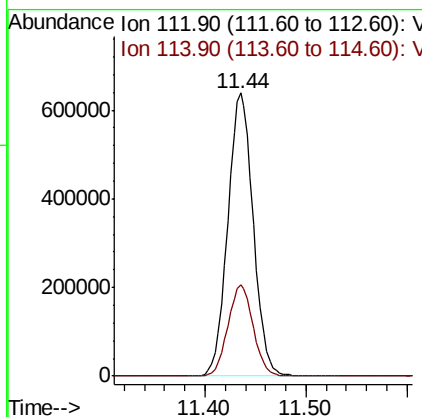
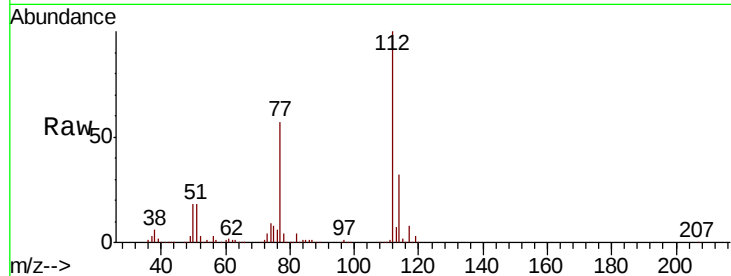
#65
Chlorobenzene
Concen: 48.48 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1119970
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

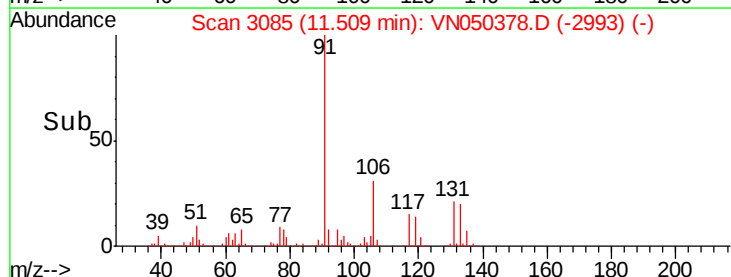
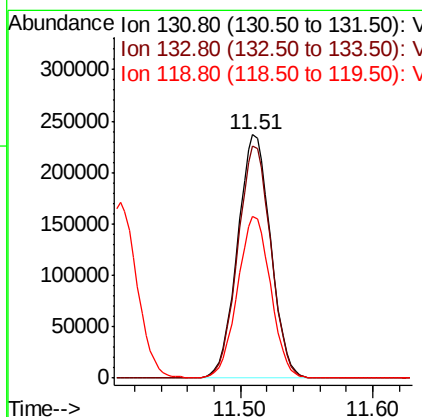
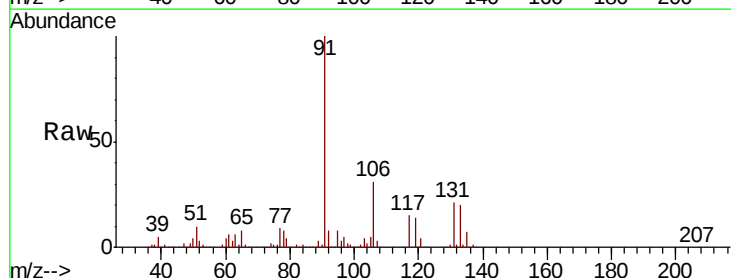
Manual Integrations
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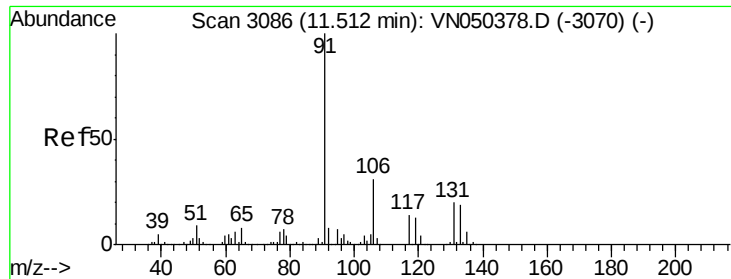
MMDadoda
8/7/2018 9:58:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.20 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion:131 Resp: 410054
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.9
119 66.5 32.9 98.7





#67

Ethyl Benzene

Concen: 52.17 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1935772

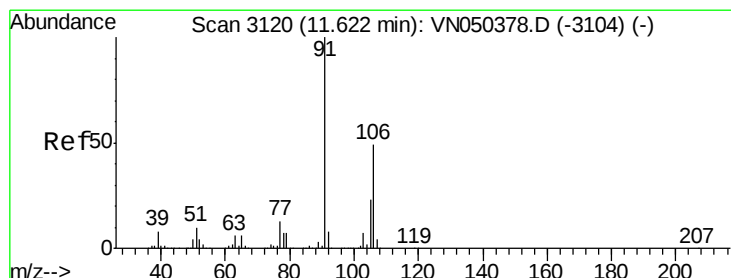
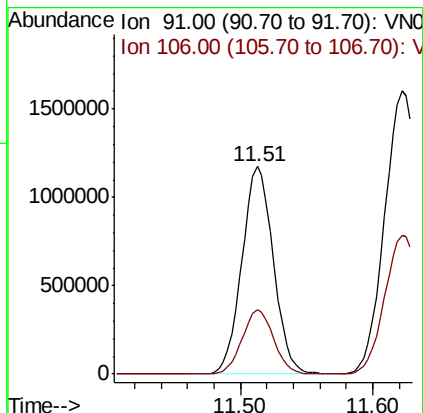
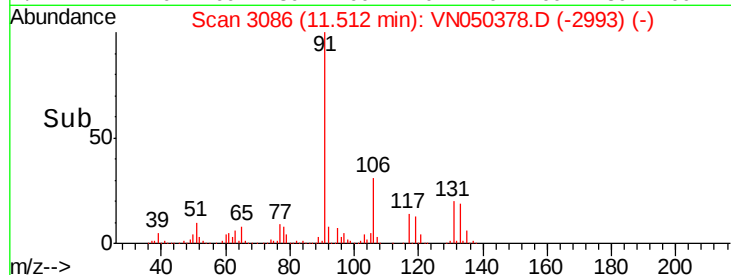
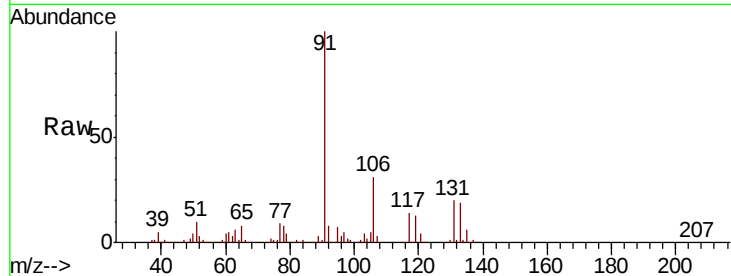
Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4

Manual Integrations
APPROVED

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8/7/2018 9:58:05 AM



#68

m/p-Xylenes

Concen: 106.94 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050378.D

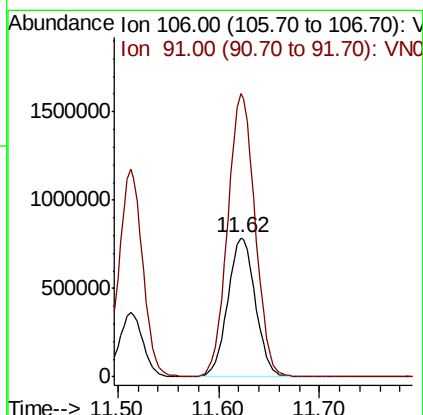
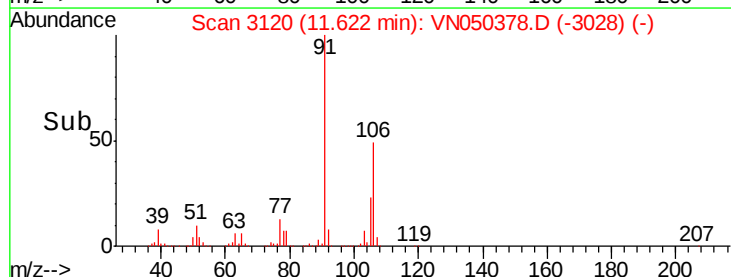
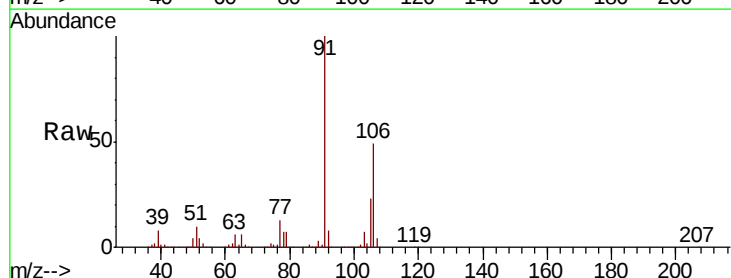
Acq: 6 Aug 2018 12:24

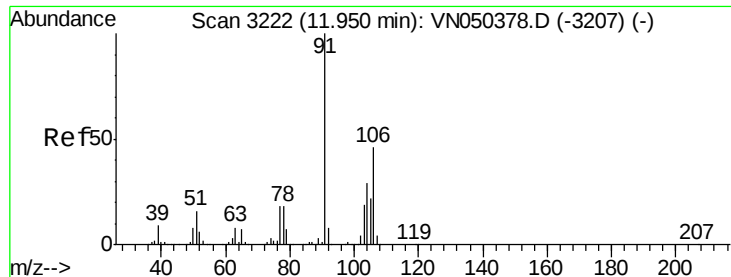
Tgt Ion:106 Resp: 1500953

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.2





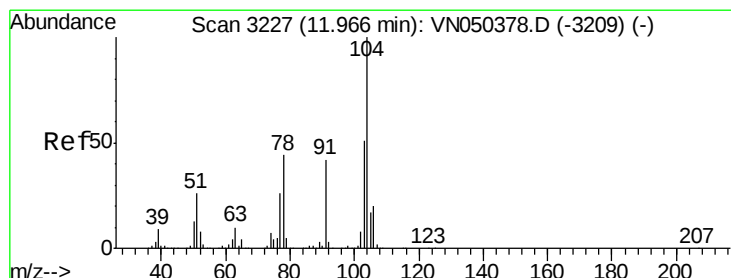
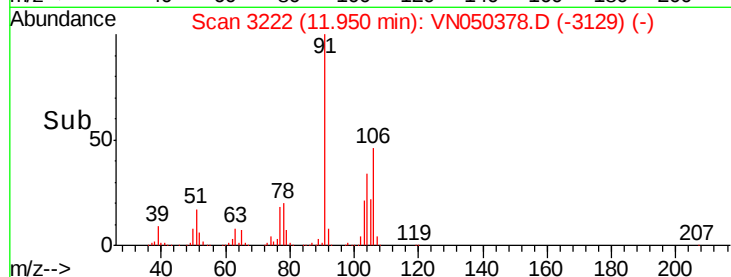
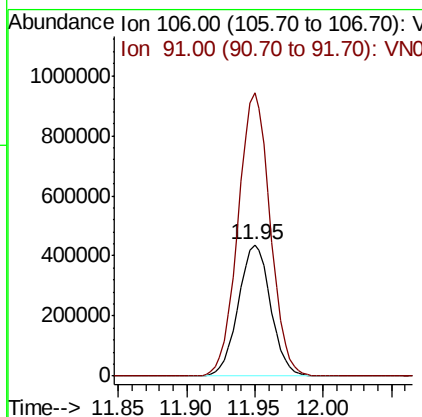
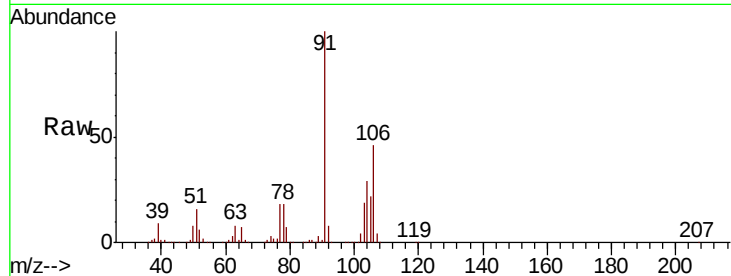
#69
o-Xylene
Concen: 53.73 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 718946
Ion Ratio Lower Upper
106 100
91 214.4 107.7 323.1

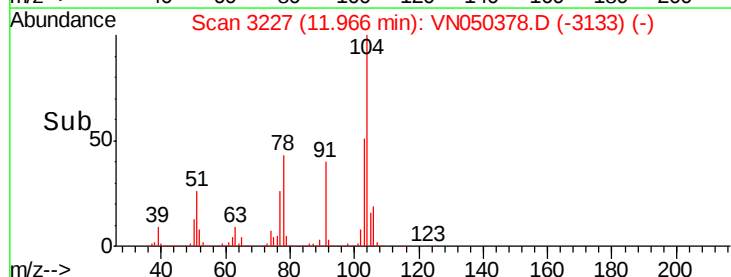
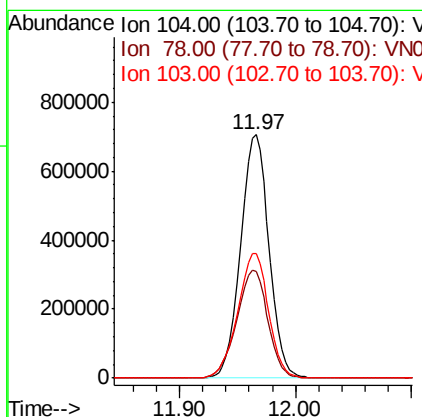
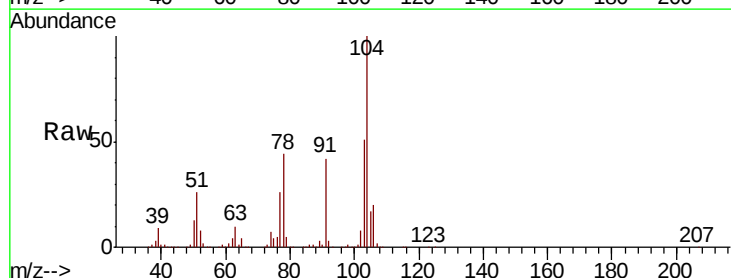
Manual Integrations
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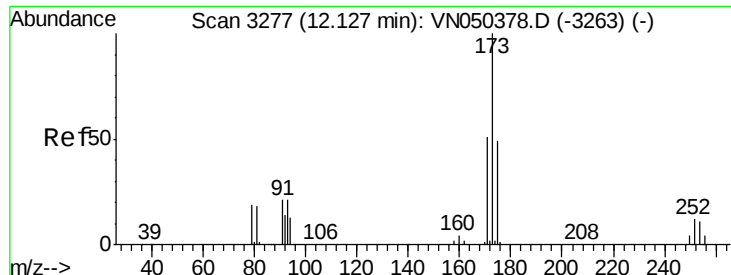
MMDadoda
8/7/2018 9:58:05 AM



#70
Styrene
Concen: 56.66 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion:104 Resp: 1198992
Ion Ratio Lower Upper
104 100
78 48.6 39.3 58.9
103 55.4 45.0 67.6





#71

Bromoform

Concen: 48.08 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 310458

Ion Ratio Lower Upper

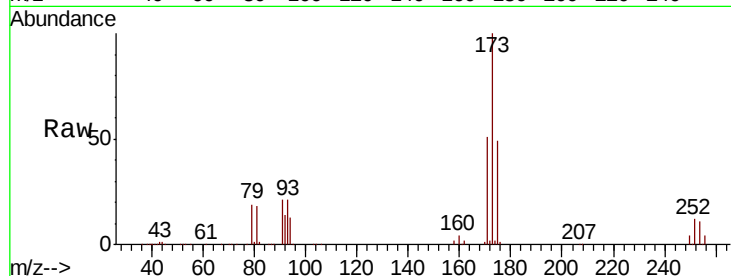
173 100

175 49.2 24.1 72.2

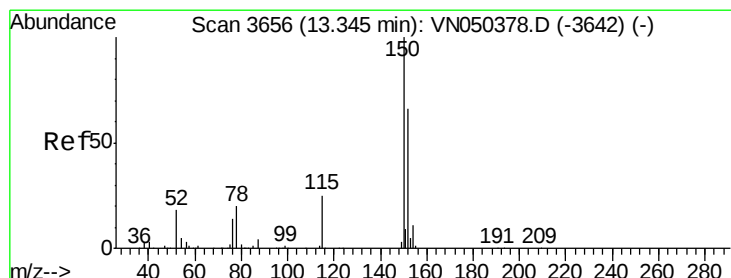
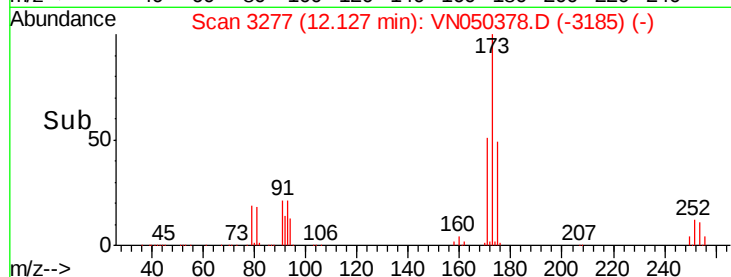
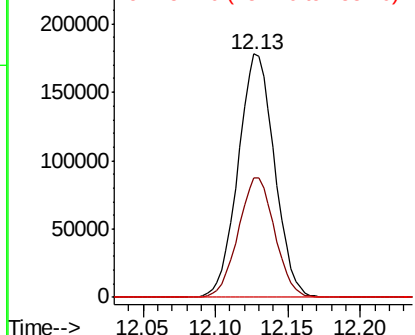
254 0.1 0.2 0.2#

Manual Integrations
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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: VN050378.D

Acq: 6 Aug 2018 12:24

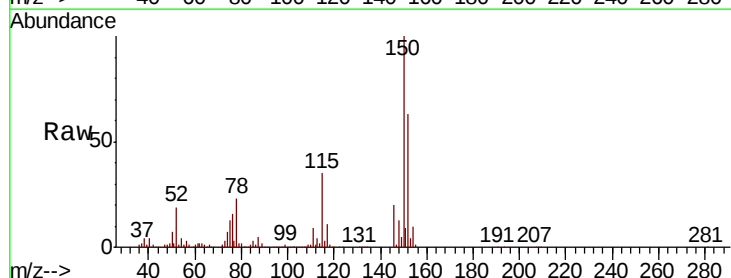
Tgt Ion:152 Resp: 504203

Ion Ratio Lower Upper

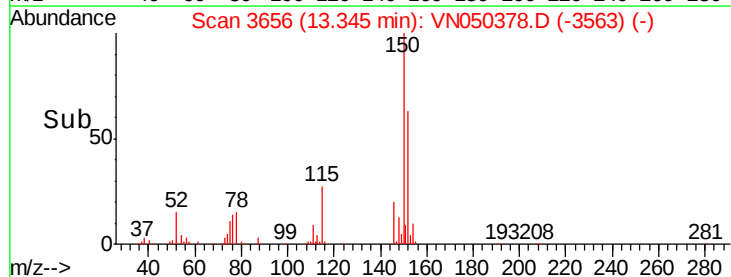
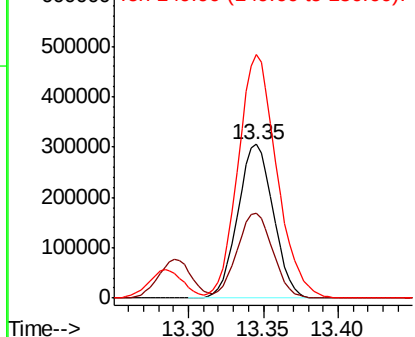
152 100

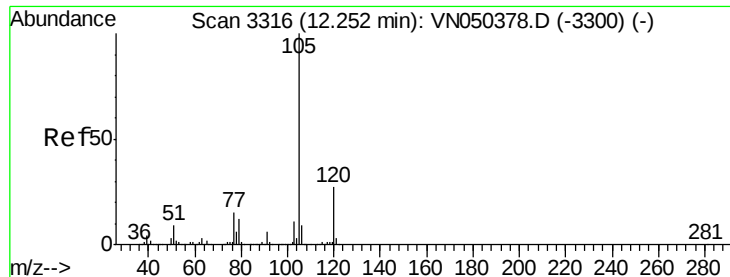
115 55.7 27.8 83.3

150 172.7 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: 48.85 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1910070

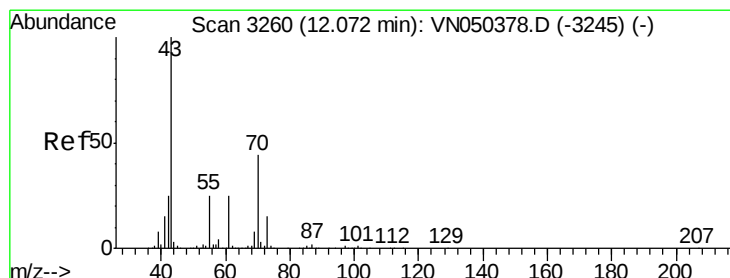
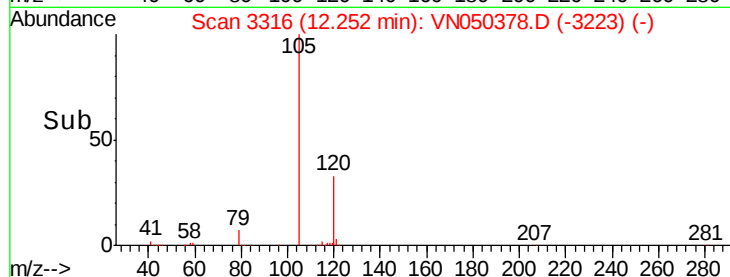
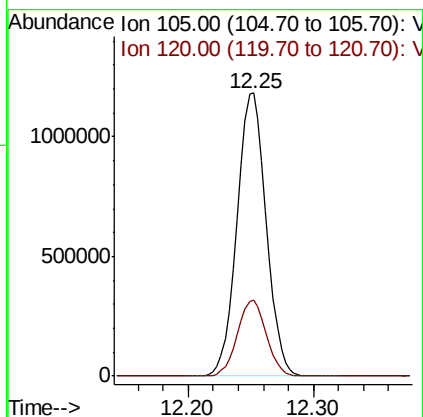
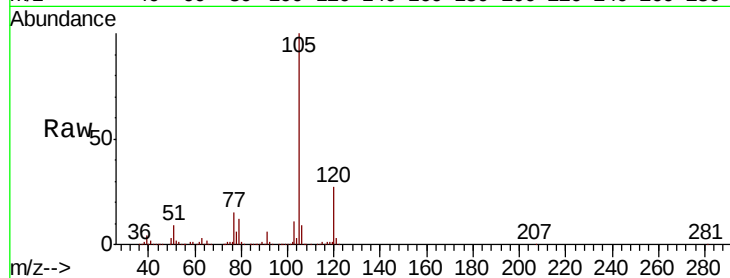
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:05 AM



#74

N-ethyl acetate

Concen: 51.59 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Tgt Ion: 43 Resp: 616610

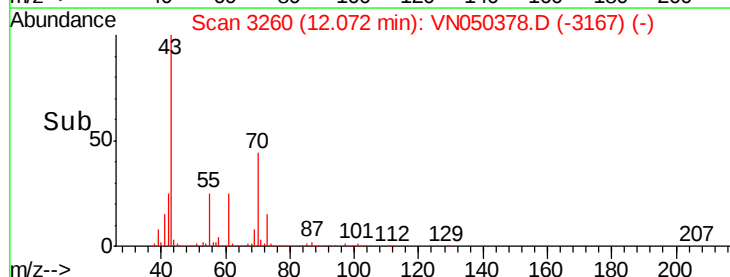
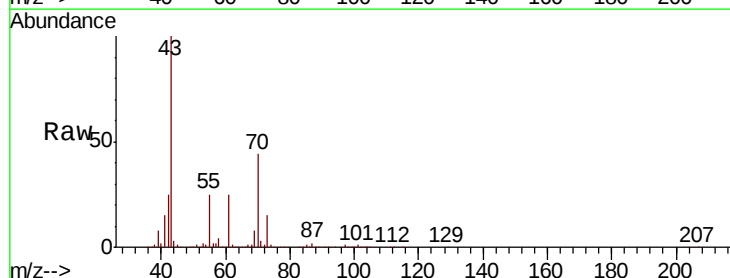
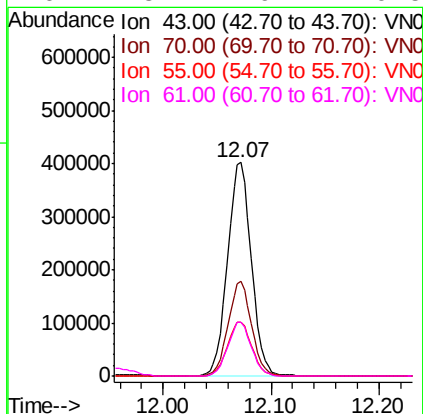
Ion Ratio Lower Upper

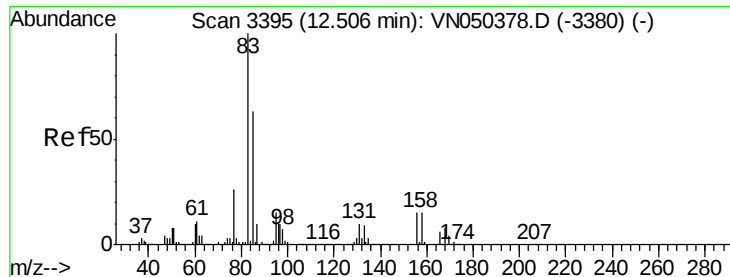
43 100

70 43.7 34.4 51.6

55 26.2 20.8 31.2

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 43.23 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

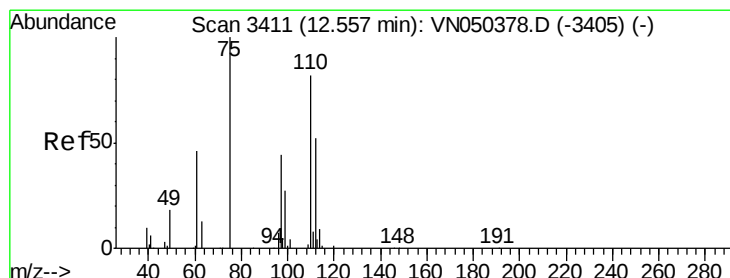
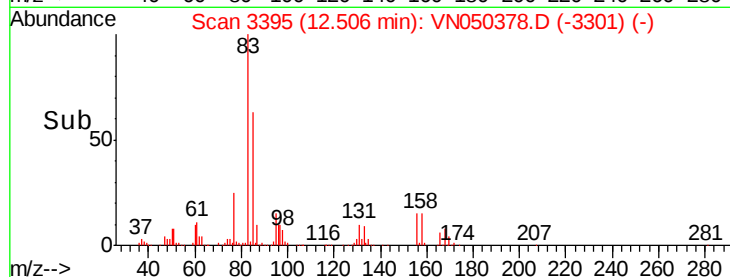
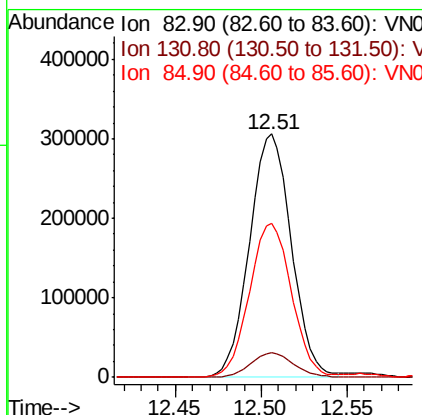
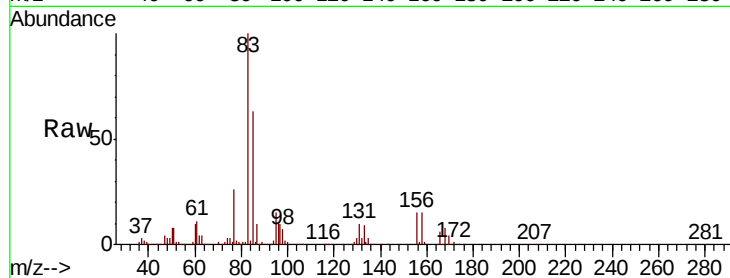
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	516935
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	63.7	32.3	96.8

Manual Integrations
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8/7/2018 9:58:05 AM



#76

1,2,3-Trichloropropane

Concen: 47.53 ug/l m

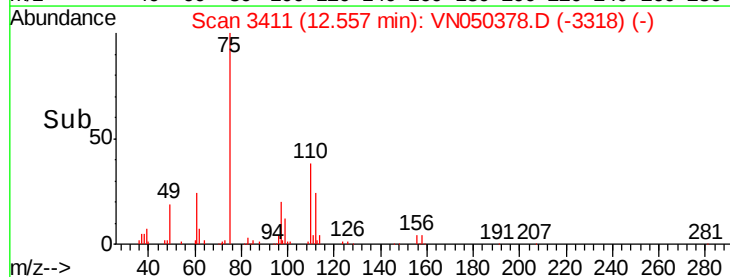
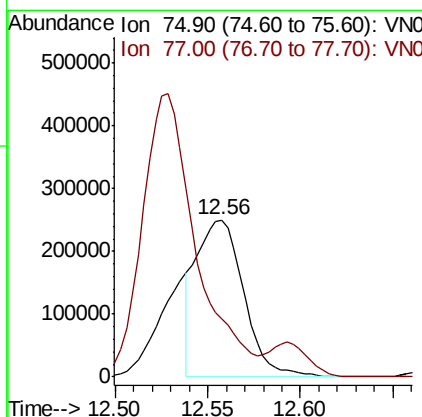
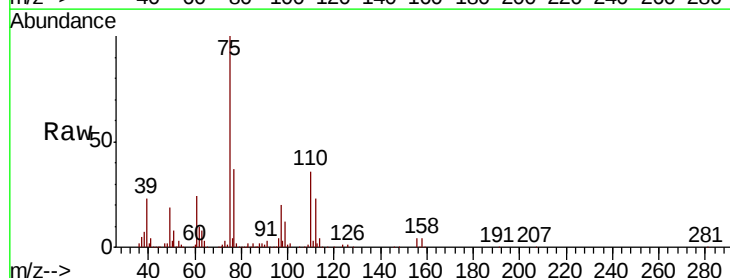
RT: 12.56 min Scan# 3411

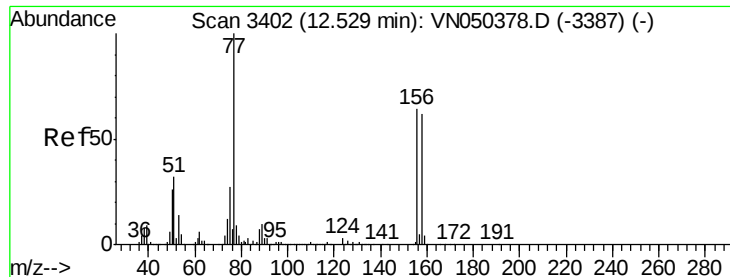
Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Tgt Ion:	75	Resp:	445385
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





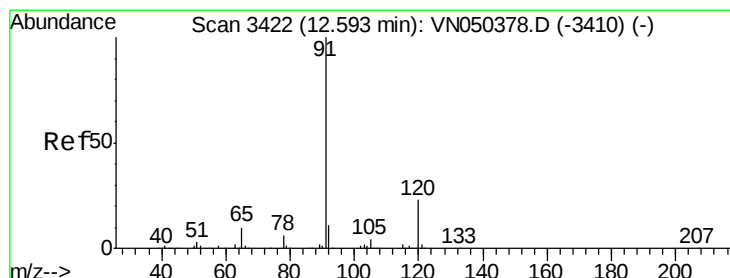
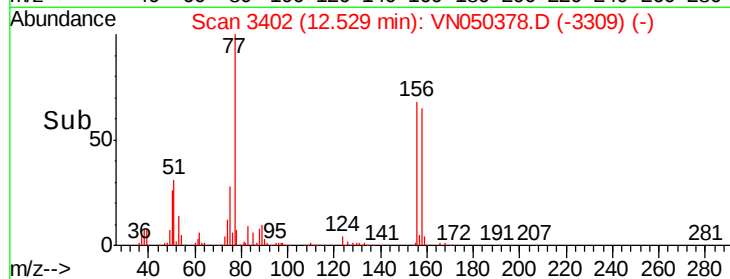
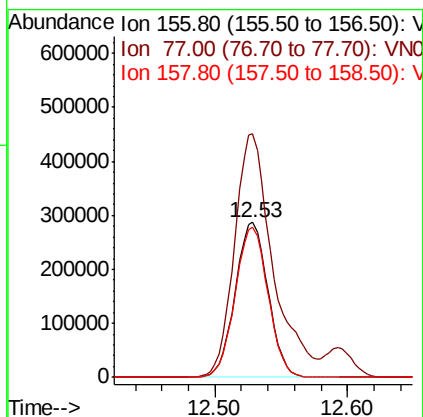
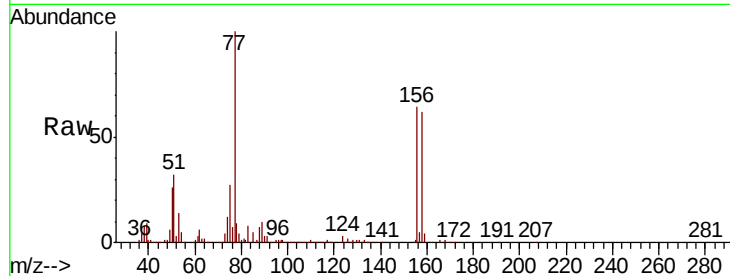
#77
Bromobenzene
Concen: 45.49 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.9	91.7	275.1
158	97.2	48.9	146.6

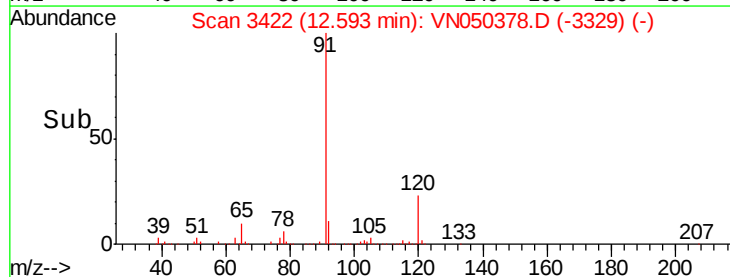
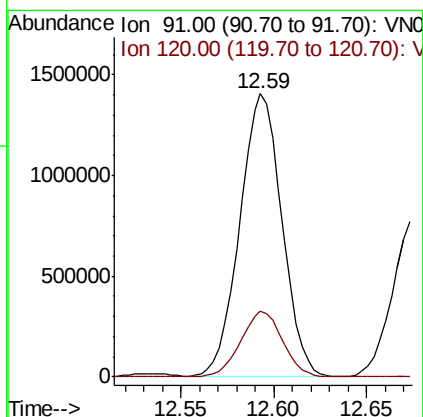
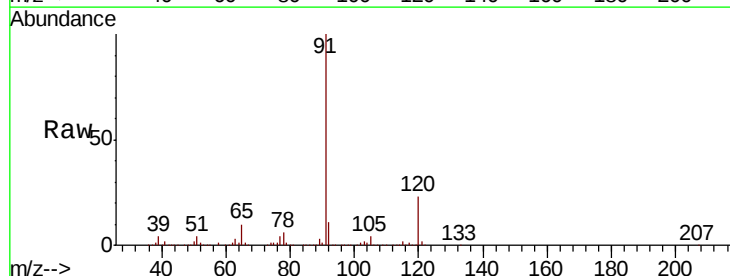
Manual Integrations
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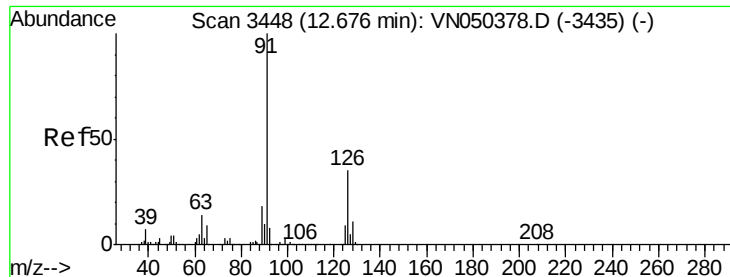
MMDadoda
8/7/2018 9:58:05 AM



#78
n-propylbenzene
Concen: 50.40 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.6	34.7





#79

2-Chlorotoluene

Concen: 48.26 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1307275

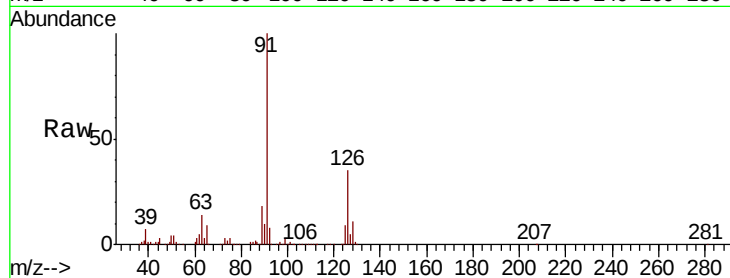
Ion Ratio Lower Upper

91 100

126 34.7 17.6 52.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)

1500000

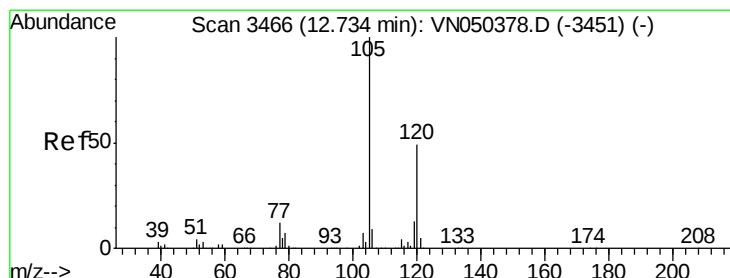
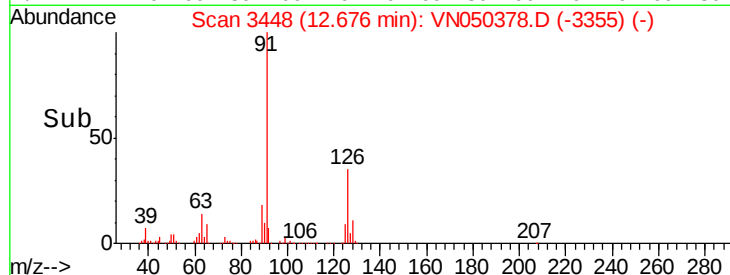
1000000

500000

0

12.68

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.02 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050378.D

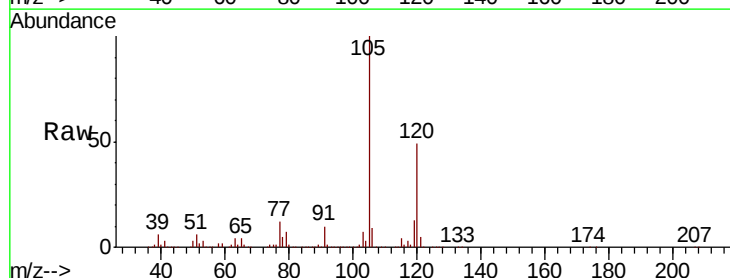
Acq: 6 Aug 2018 12:24

Tgt Ion:105 Resp: 1599988

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)

1200000

1000000

800000

600000

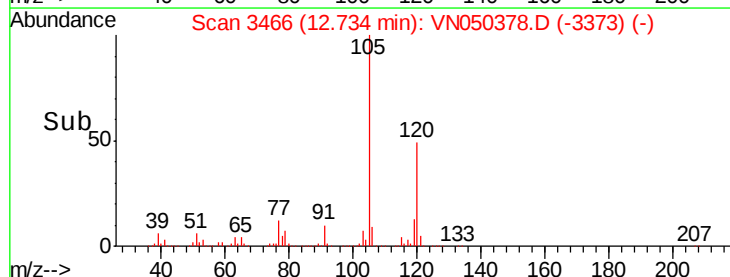
400000

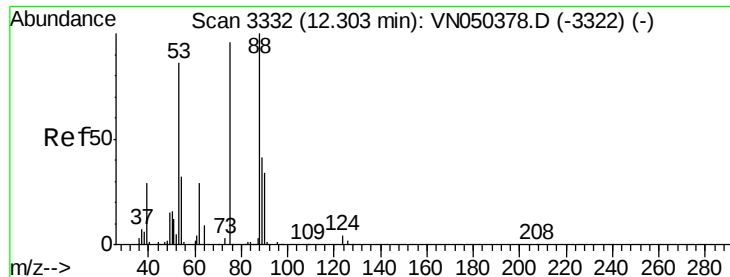
200000

0

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.56 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 134592

Ion Ratio Lower Upper

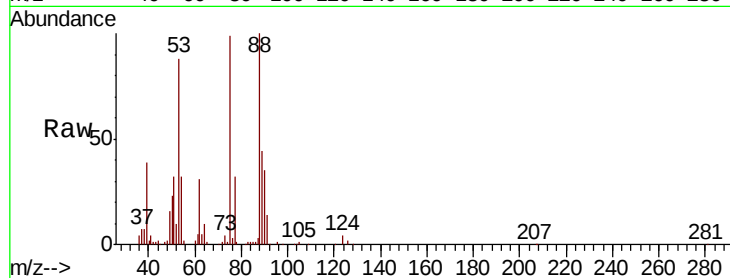
75 100

53 92.5 73.5 110.3

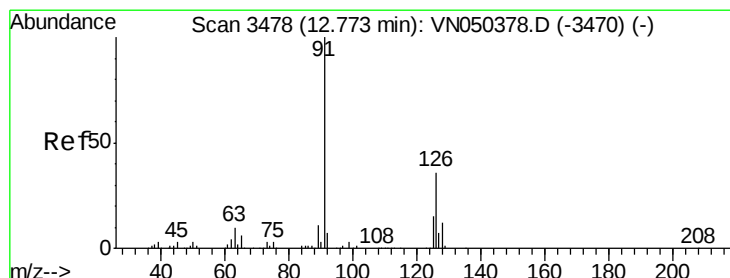
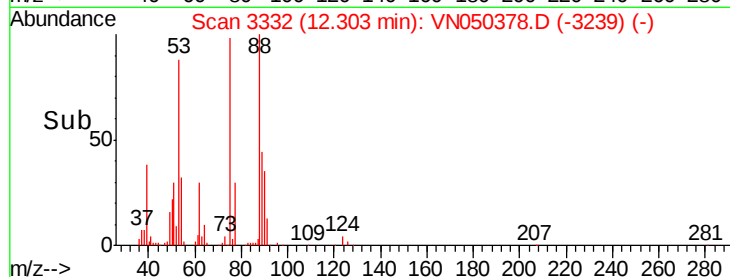
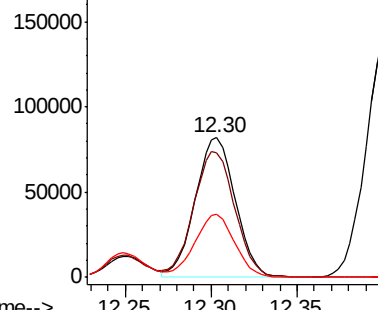
89 45.2 36.0 54.0

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 49.79 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050378.D

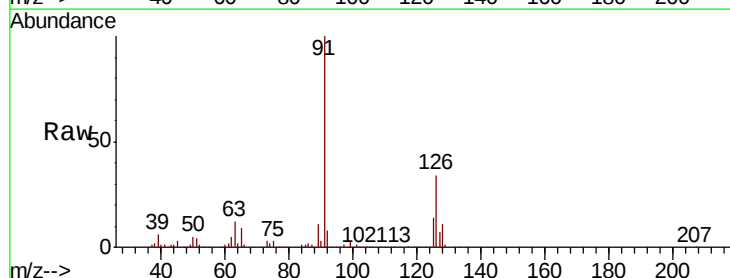
Acq: 6 Aug 2018 12:24

Tgt Ion: 91 Resp: 1335707

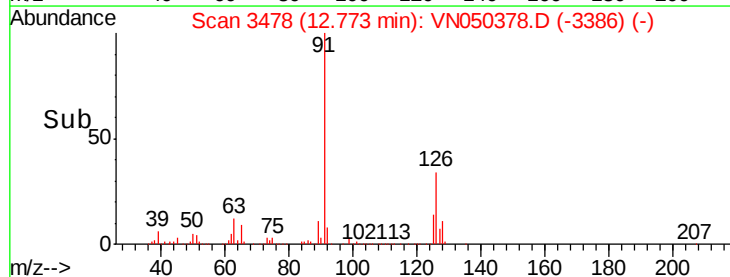
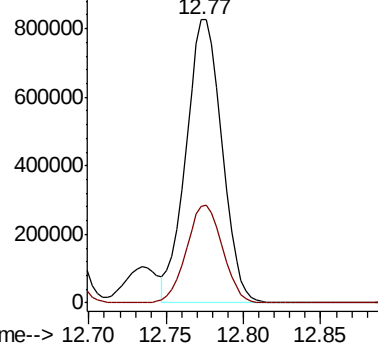
Ion Ratio Lower Upper

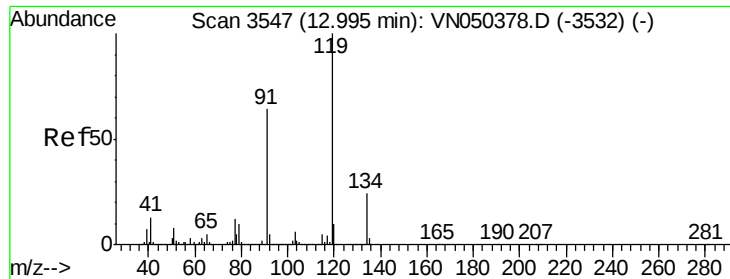
91 100

126 34.7 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): VNO





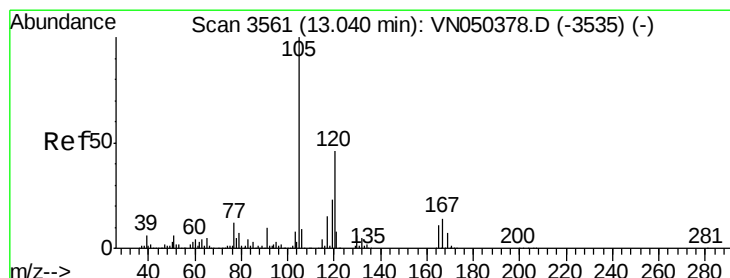
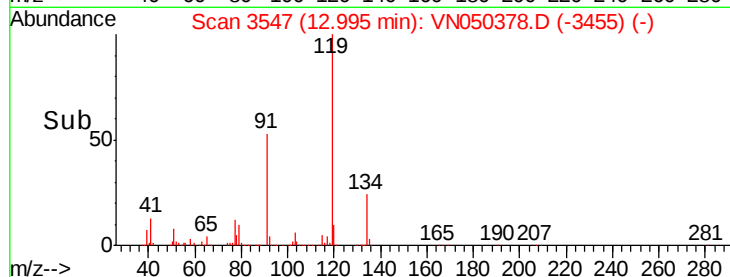
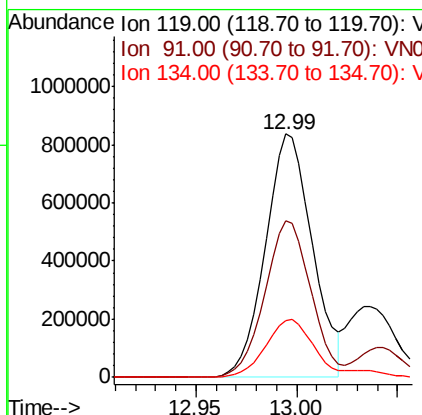
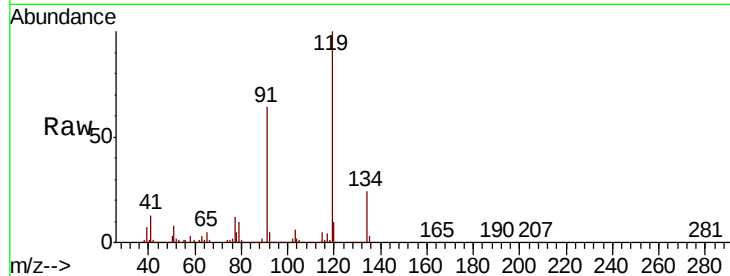
#83
 tert-Butylbenzene
 Concen: 50.43 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	32.1	96.3
134	26.3	13.2	39.5

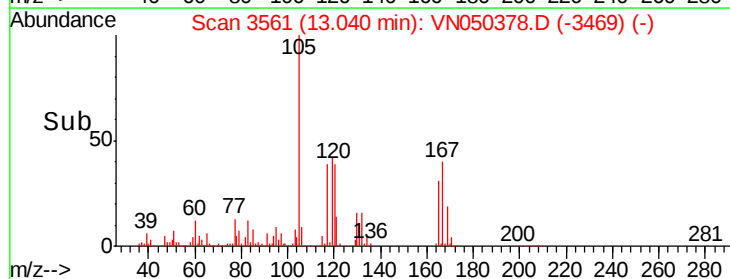
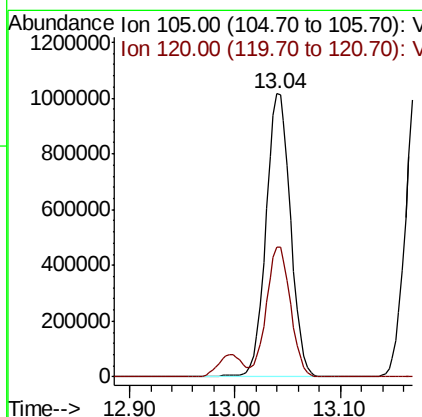
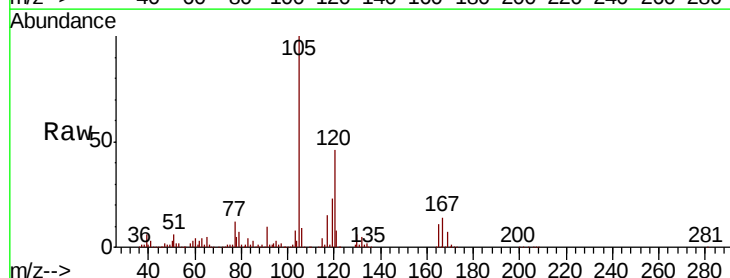
Manual Integrations
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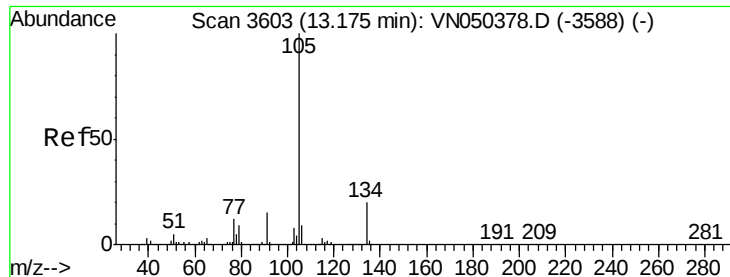
MMDadoda
 8/7/2018 9:58:05 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.84 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.7





#85

sec-Butylbenzene

Concen: 50.33 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1805072

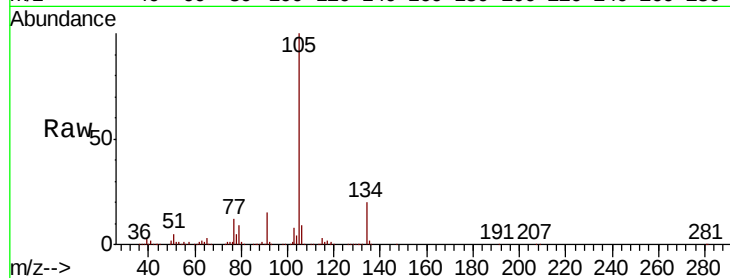
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

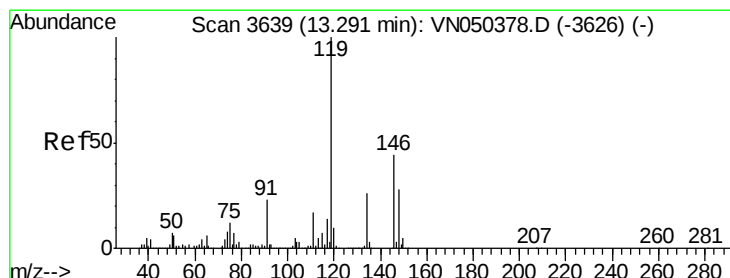
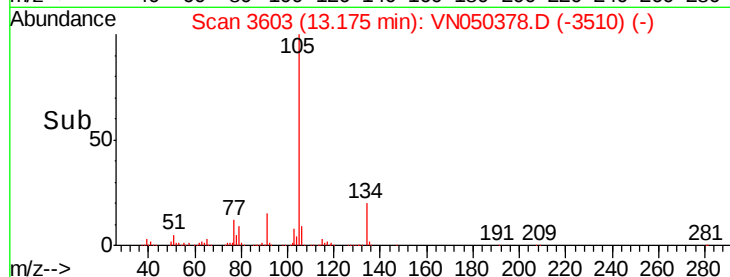
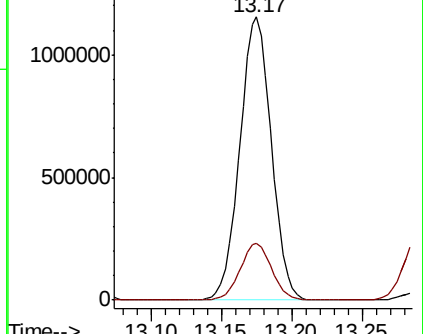
Manual Integrations
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8/7/2018 9:58:05 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.74 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

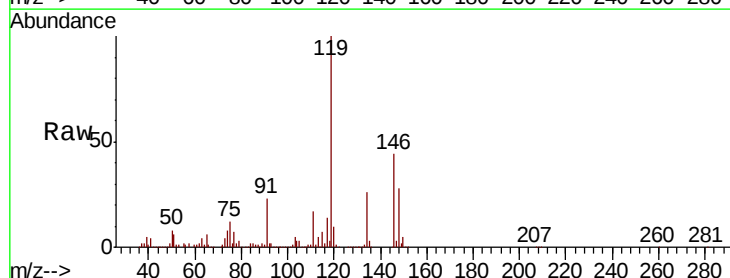
Tgt Ion:119 Resp: 1593800

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

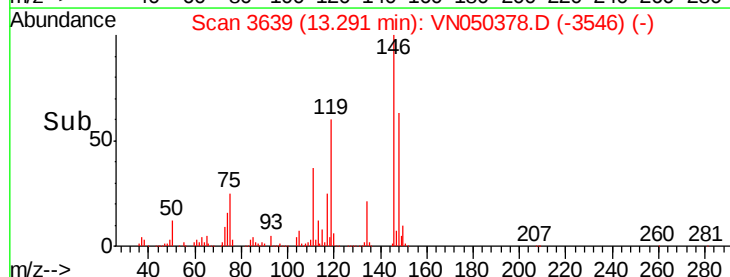
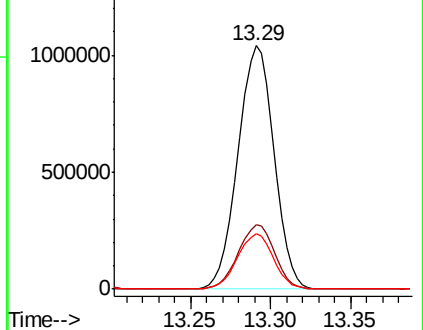
91 22.6 11.4 34.2

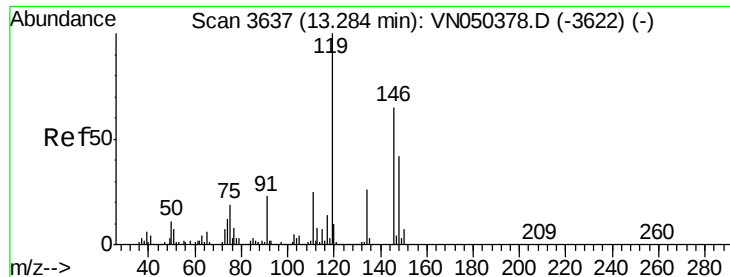


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





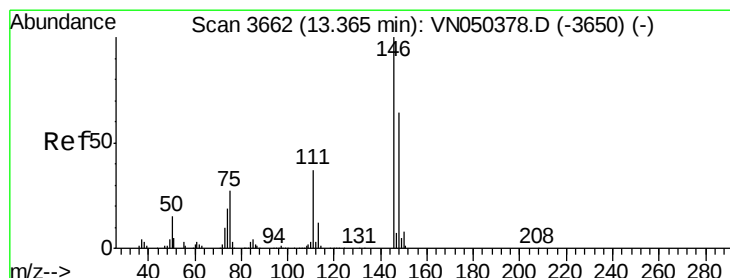
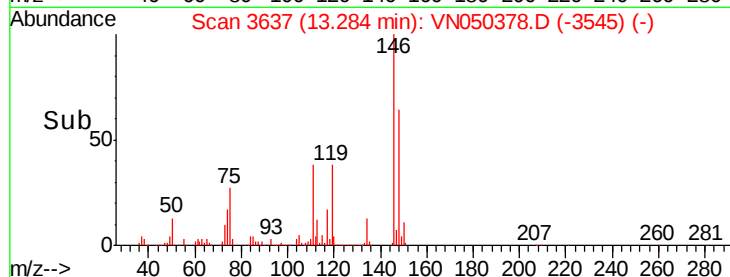
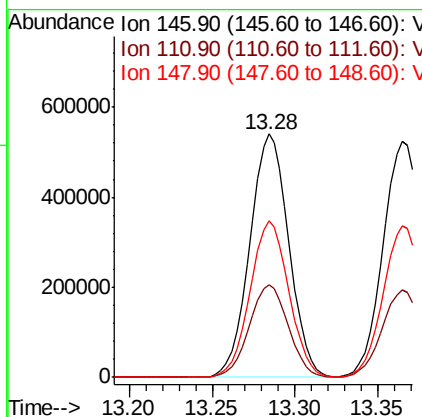
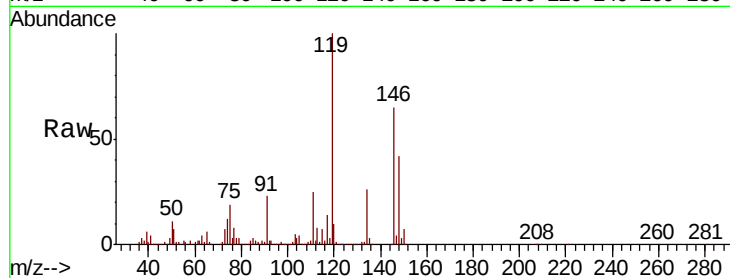
#87
 1,3-Dichlorobenzene
 Concen: 48.08 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	64.0	31.9	95.9

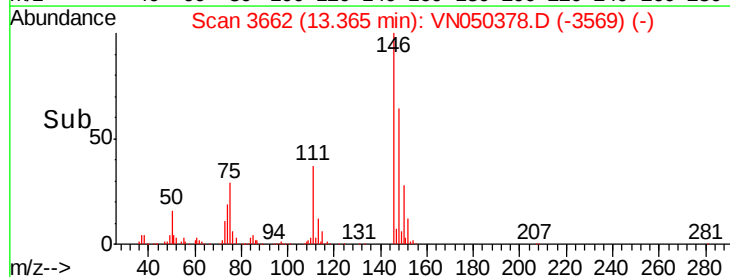
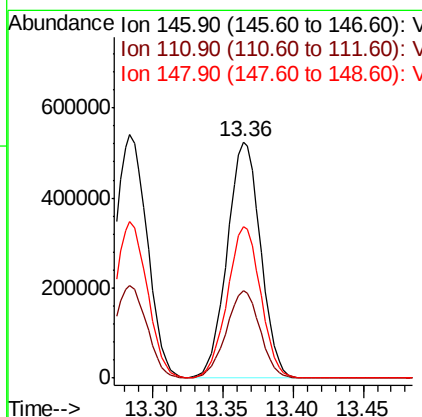
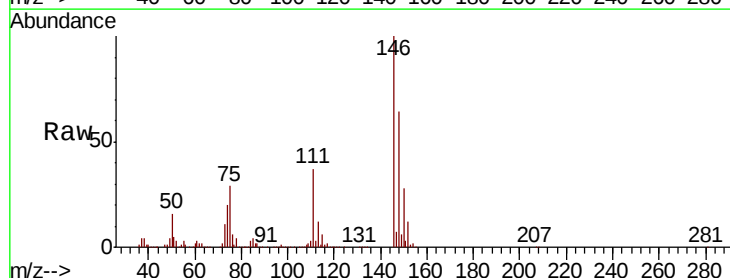
Manual Integrations
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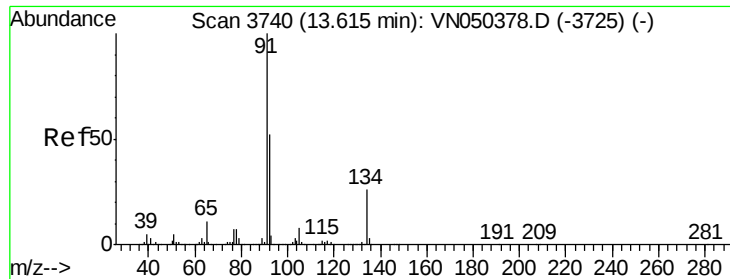
MMDadoda
 8/7/2018 9:58:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.35 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.9
148	64.2	31.9	95.9





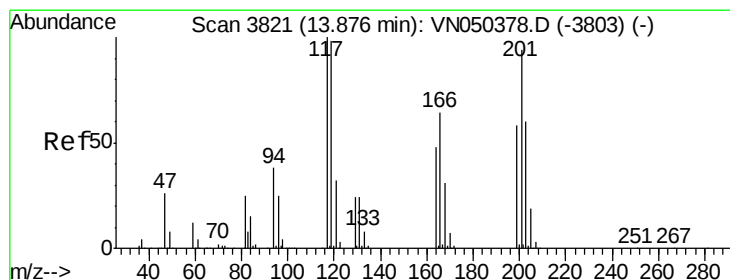
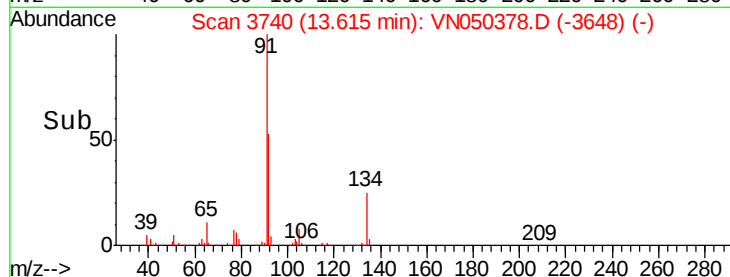
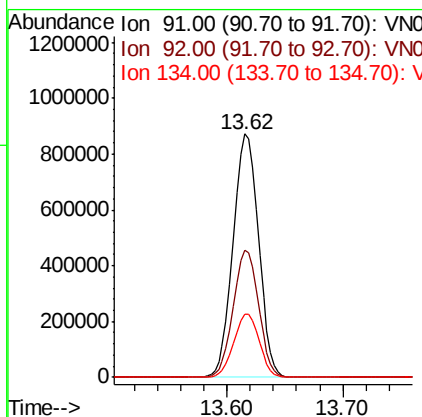
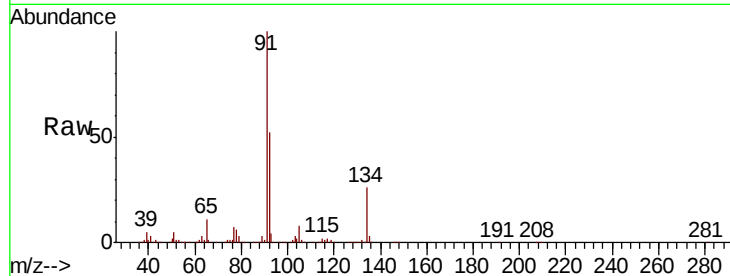
#89
n-Butylbenzene
Concen: 53.08 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.8	77.4
134	26.1	12.8	38.4

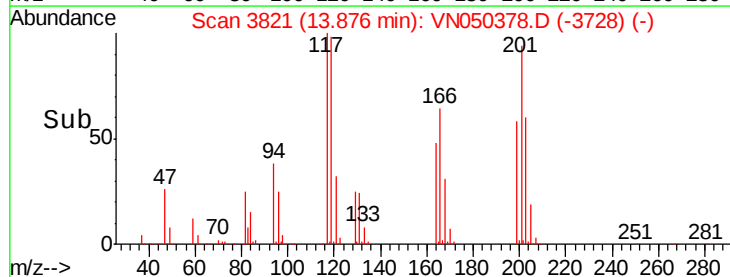
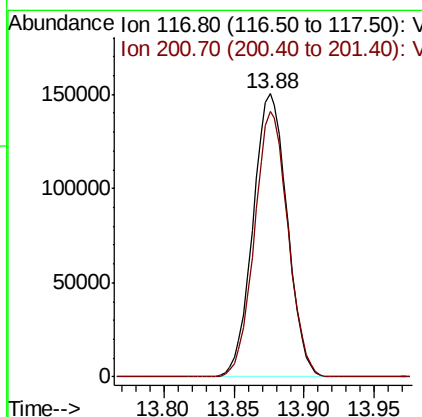
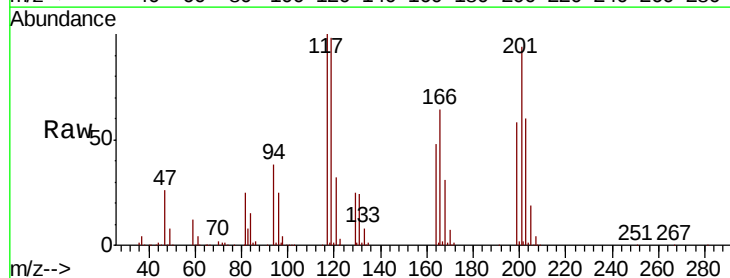
Manual Integrations
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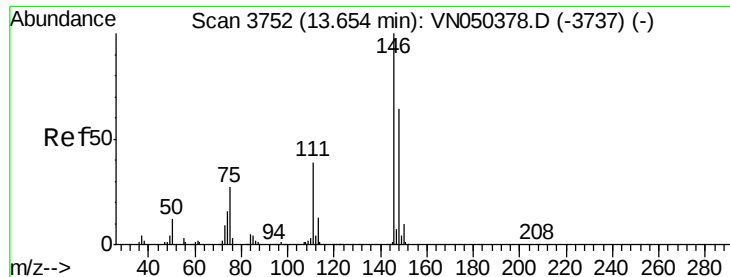
MMDadoda
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#90
Hexachloroethane
Concen: 38.17 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050378.D
Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	45.6	136.8





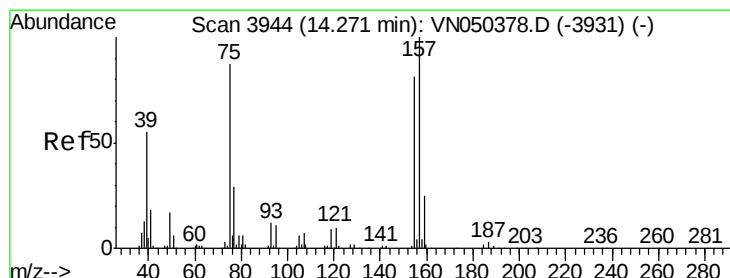
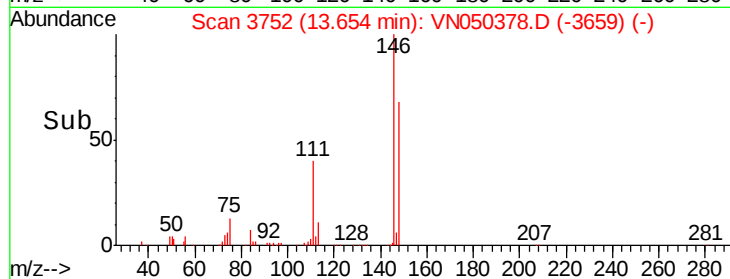
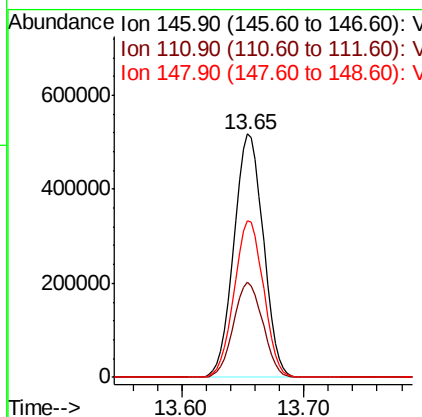
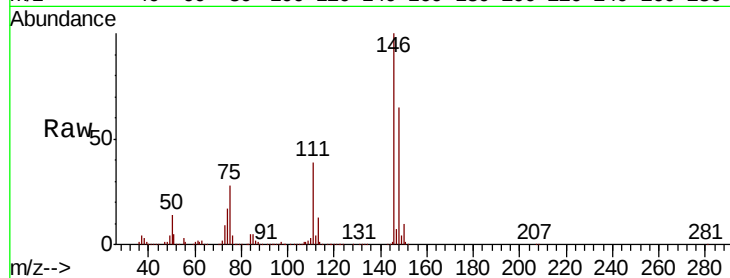
#91
 1,2-Dichlorobenzene
 Concen: 47.15 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	64.2	32.1	96.3

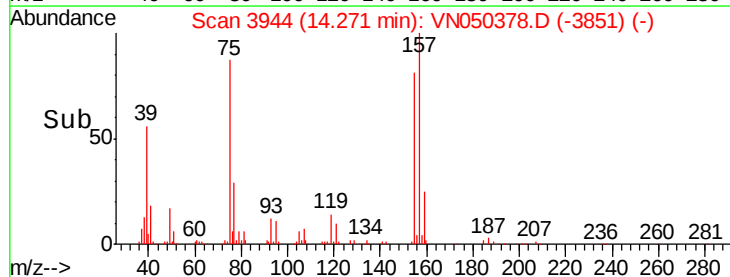
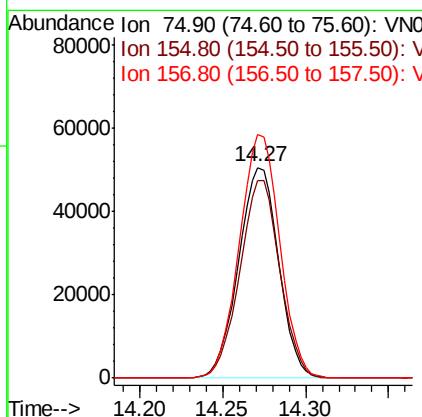
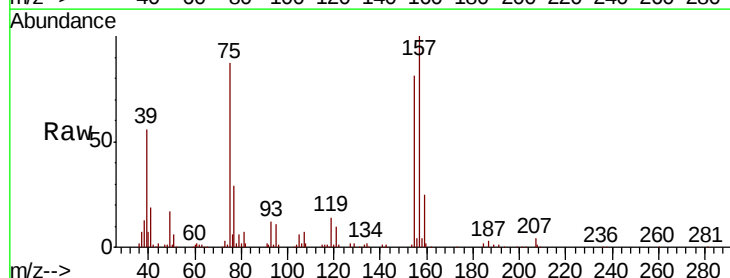
Manual Integrations
 APPROVED

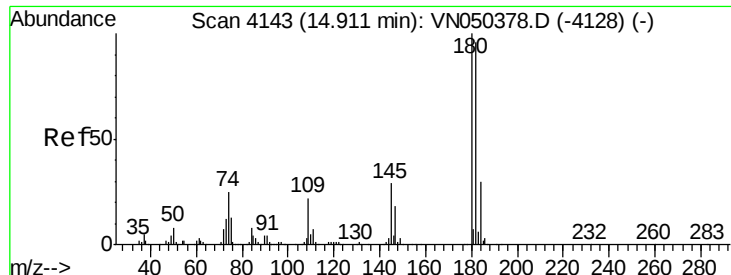
MMDadoda
 8/7/2018 9:58:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.24 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	44.8	134.4
157	116.4	57.2	171.6





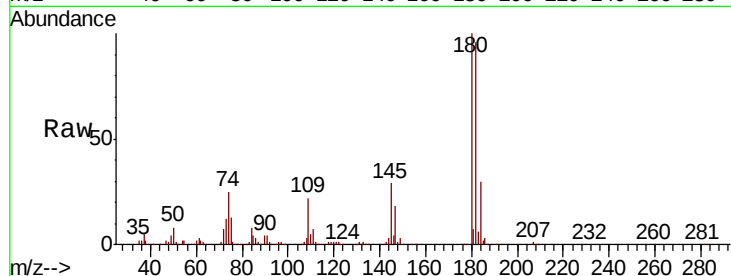
#93
 1,2,4-Trichlorobenzene
 Concen: 58.35 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	472939		
182	95.1	46.7	140.1	
145	28.4	13.8	41.4	

Manual Integrations
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 8/7/2018 9:58:05 AM

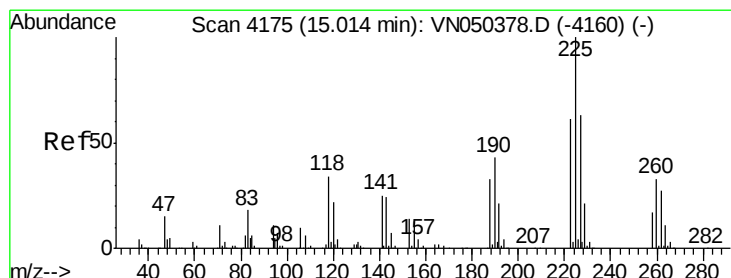
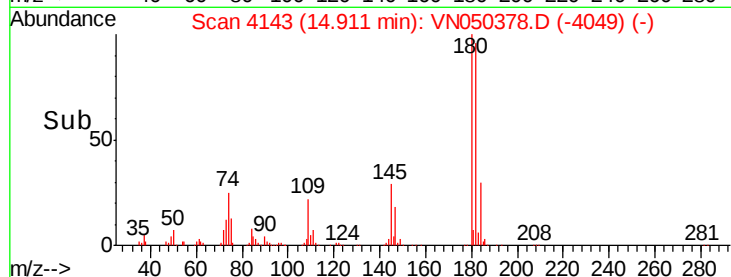
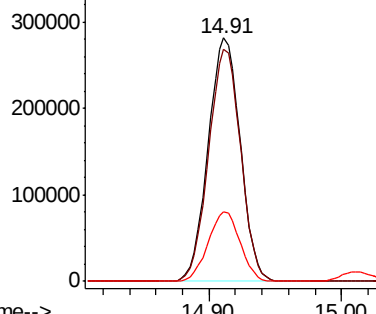


Abundance

Ion 179.80 (179.50 to 180.50): V

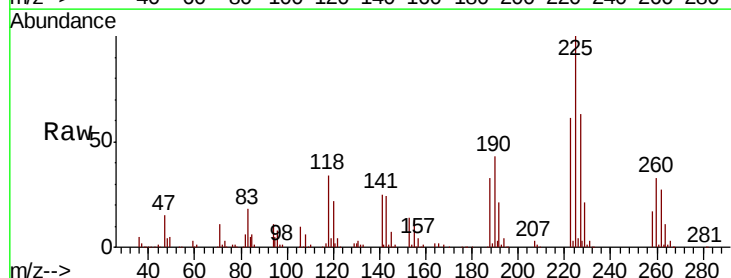
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 44.35 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050378.D
 Acq: 6 Aug 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	249377		
223	62.1	31.4	94.2	
227	64.1	32.1	96.5	

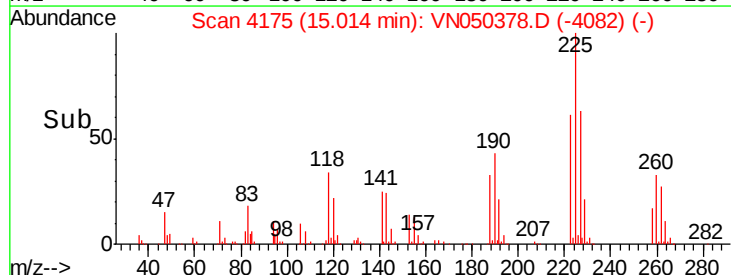
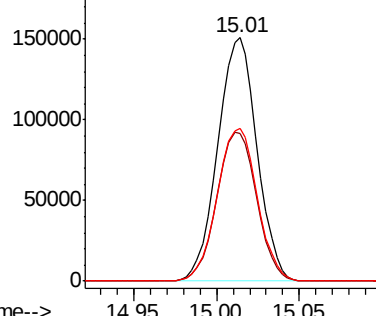


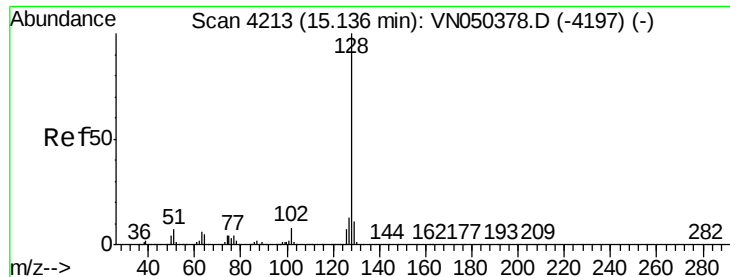
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 62.14 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1138032

Ion Ratio Lower Upper

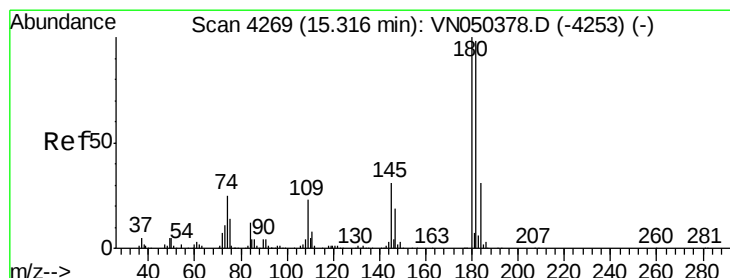
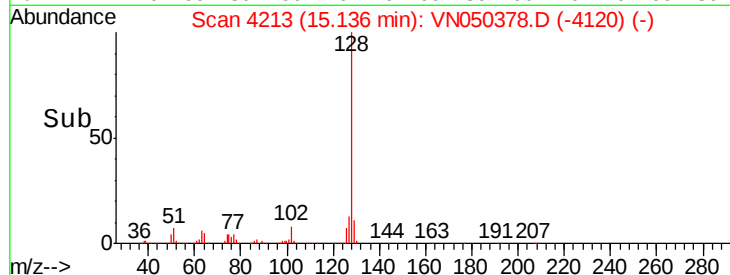
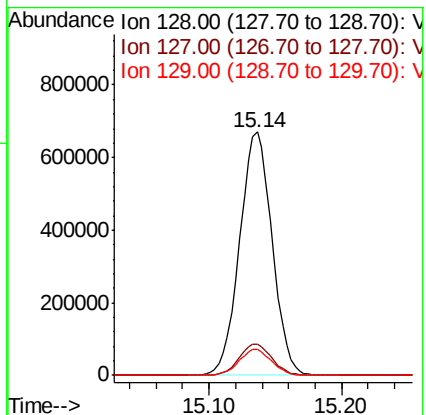
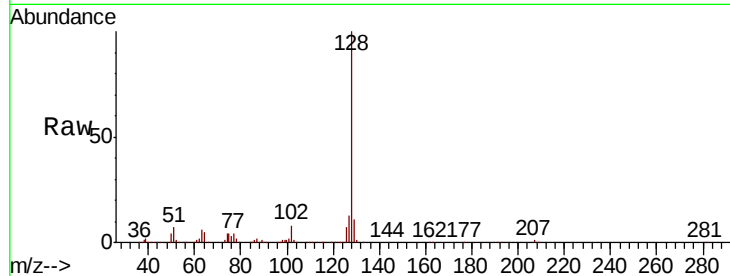
128 100

127 12.9 10.4 15.6

129 10.7 8.8 13.2

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#96

1,2,3-Trichlorobenzene

Concen: 55.60 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050378.D

Acq: 6 Aug 2018 12:24

Tgt Ion:180 Resp: 456208

Ion Ratio Lower Upper

180 100

182 95.9 48.1 144.4

145 30.3 15.3 45.9

