

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052230.D
 Acq On : 9 Nov 2018 16:28
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Quant Time: Nov 12 03:22:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	294335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	483119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	433202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199154	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	195499	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	7.59	113	158116	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	10.09	98	624008	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.40	95	209979	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	170135	53.169	ug/l	97
3) Chloromethane	2.06	50	225504	50.476	ug/l	97
4) Vinyl Chloride	2.19	62	182573	49.050	ug/l	99
5) Bromomethane	2.55	94	110512	46.795	ug/l	96
6) Chloroethane	2.69	64	102937	46.570	ug/l	97
7) Trichlorofluoromethane	3.01	101	245275	47.337	ug/l	99
8) Diethyl Ether	3.41	74	96369	47.276	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161073	48.453	ug/l	99
10) Methyl Iodide	3.95	142	210637	48.835	ug/l	98
11) Tert butyl alcohol	4.78	59	35882	173.901	ug/l #	71
12) 1,1-Dichloroethene	3.73	96	146516	47.615	ug/l	99
13) Acrolein	3.60	56	78620	246.139	ug/l	93
14) Allyl chloride	4.32	41	298902	46.396	ug/l	96
15) Acrylonitrile	4.99	53	297914	234.915	ug/l	99
16) Acetone	3.82	43	228736	226.046	ug/l	100
17) Carbon Disulfide	4.05	76	436213	48.869	ug/l	99
18) Methyl Acetate	4.32	43	149172	44.350	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	426996	48.570	ug/l	98
20) Methylene Chloride	4.55	84	171612	46.766	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	153988	46.045	ug/l	92
22) Diisopropyl ether	5.95	45	615450	47.655	ug/l	99
23) Vinyl Acetate	5.89	43	2163002	244.083	ug/l	99
24) 1,1-Dichloroethane	5.85	63	318460	46.686	ug/l	99
25) 2-Butanone	6.83	43	360449	209.910	ug/l	99
26) 2,2-Dichloropropane	6.82	77	241946	48.563	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	181847	48.577	ug/l	99
28) Bromochloromethane	7.19	49	162451	48.197	ug/l	100
29) Tetrahydrofuran	7.21	42	240108	214.852	ug/l	99
30) Chloroform	7.37	83	301523	46.707	ug/l	99
31) Cyclohexane	7.65	56	313376	49.661	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	250975	47.696	ug/l	100
36) 1,1-Dichloropropene	7.79	75	240568	49.334	ug/l	99
37) Ethyl Acetate	6.93	43	166042	45.272	ug/l	99
38) Carbon Tetrachloride	7.78	117	219598	49.693	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	295052	53.048	ug/l	99
40) Benzene	8.04	78	693450	49.668	ug/l	99
41) Methacrylonitrile	7.17	41	109084	51.185	ug/l	90
42) 1,2-Dichloroethane	8.12	62	232573	47.478	ug/l	100
43) Isopropyl Acetate	8.16	43	308532	48.262	ug/l #	88
44) Trichloroethene	8.83	130	170590	48.759	ug/l	100
45) 1,2-Dichloropropane	9.12	63	193417	49.589	ug/l	100
46) Dibromomethane	9.21	93	109176	48.730	ug/l	100
47) Bromodichloromethane	9.40	83	226059	48.700	ug/l	98
48) Methyl methacrylate	9.20	41	160580	47.672	ug/l	99
49) 1,4-Dioxane	9.20	88	19478	719.331	ug/l #	91
51) 4-Methyl-2-Pentanone	9.98	43	833843	236.183	ug/l	99
52) Toluene	10.15	92	421154	50.006	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	238059	51.971	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	280726	51.916	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	146625	48.167	ug/l	98
56) Ethyl methacrylate	10.43	69	207446	50.423	ug/l	98
57) 1,3-Dichloropropane	10.71	76	264592	48.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	589341	258.704	ug/l	99
59) 2-Hexanone	10.75	43	576669	232.677	ug/l	99
60) Dibromochloromethane	10.90	129	159116	51.532	ug/l	98
61) 1,2-Dibromoethane	11.00	107	147217	49.208	ug/l	100
64) Tetrachloroethene	10.63	164	150542	49.634	ug/l	98
65) Chlorobenzene	11.43	112	459244	50.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	157728	50.727	ug/l	98
67) Ethyl Benzene	11.51	91	819100	50.732	ug/l	100
68) m/p-Xylenes	11.62	106	616058	102.457	ug/l	98
69) o-Xylene	11.95	106	296649	51.640	ug/l	99
70) Styrene	11.96	104	480739	51.798	ug/l	99
71) Bromoform	12.13	173	94922	51.173	ug/l #	99
73) Isopropylbenzene	12.25	105	805812	49.497	ug/l	100
74) N-amyl acetate	12.07	43	291607	49.338	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	179193	44.898	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	238113	67.577	ug/l #	100
77) Bromobenzene	12.53	156	186325	48.894	ug/l	98
78) n-propylbenzene	12.59	91	969589	50.851	ug/l	100
79) 2-Chlorotoluene	12.67	91	542337	49.098	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	659347	50.926	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53095	51.436	ug/l	98
82) 4-Chlorotoluene	12.77	91	558844	50.421	ug/l	98
83) tert-Butylbenzene	12.99	119	572684	50.665	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	671710	51.455	ug/l	99
85) sec-Butylbenzene	13.17	105	806050	52.000	ug/l	99
86) p-Isopropyltoluene	13.29	119	680737	52.494	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	335682	50.601	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	333692	50.245	ug/l	100
89) n-Butylbenzene	13.61	91	619871	53.681	ug/l	98
90) Hexachloroethane	13.87	117	113050	49.668	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	318687	49.224	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25969	45.768	ug/l	97

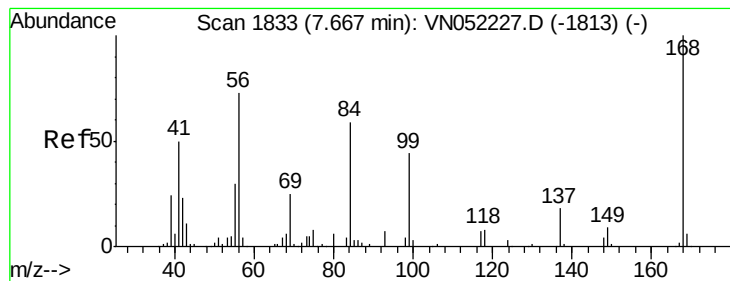
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	147591	57.651	ug/l	99
94) Hexachlorobutadiene	15.01	225	82573	59.357	ug/l	98
95) Naphthalene	15.13	128	336365	53.310	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129749	53.605	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

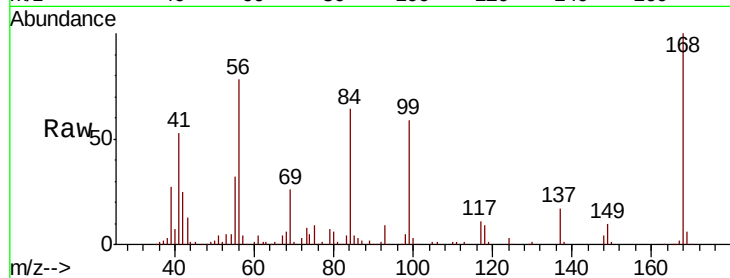
ICVFN110918

Tot Ion:168 Resp: 294335

Ion Ratio Lower Upper

168 100

99 58.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

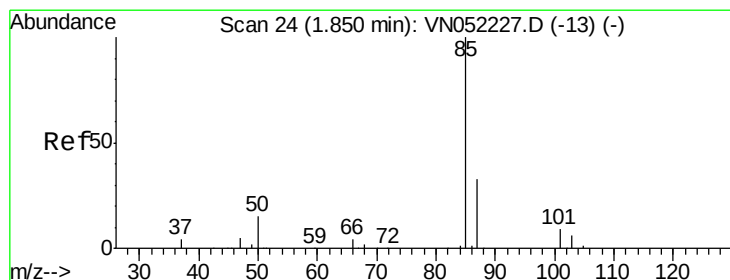
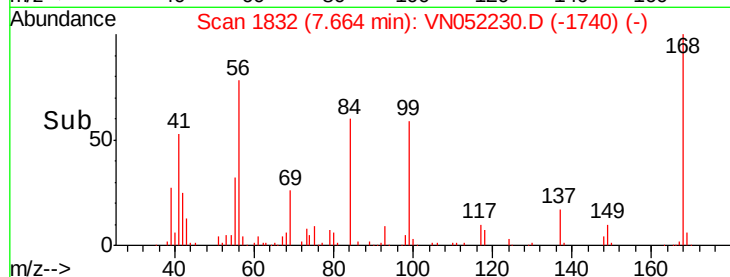
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 53.169 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052230.D

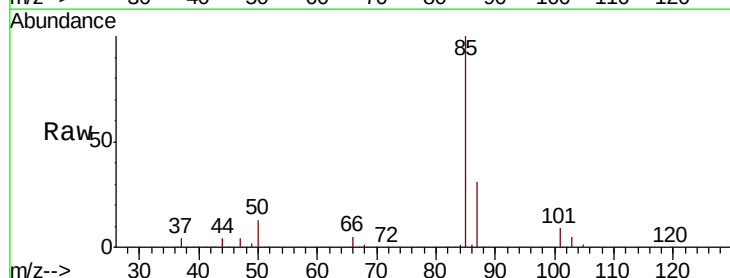
Acq: 9 Nov 2018 16:28

Tgt Ion: 85 Resp: 170135

Ion Ratio Lower Upper

85 100

87 31.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

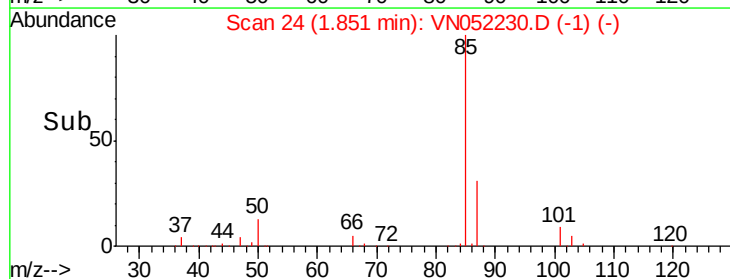
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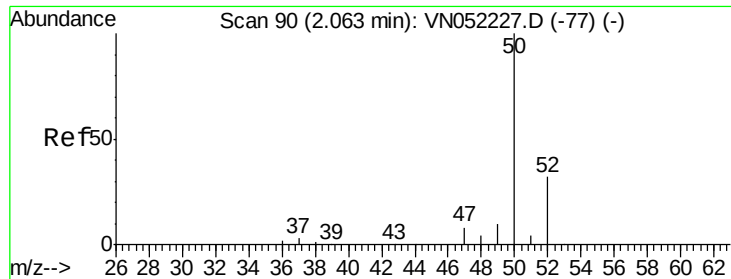
20000

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Time-->

1.80 1.90 2.00





#3

Chloromethane

Concen: 50.476 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

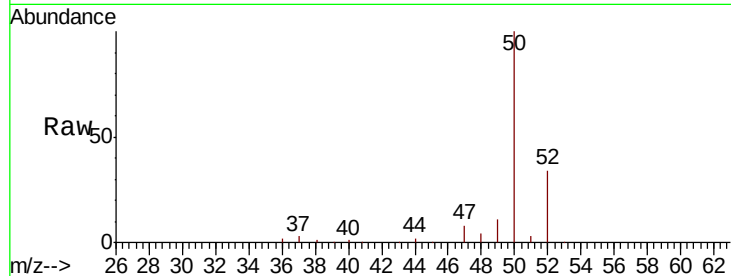
ICVVN110918

Tot Ion: 50 Resp: 225504

Ion Ratio Lower Upper

50 100

52 33.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

150000

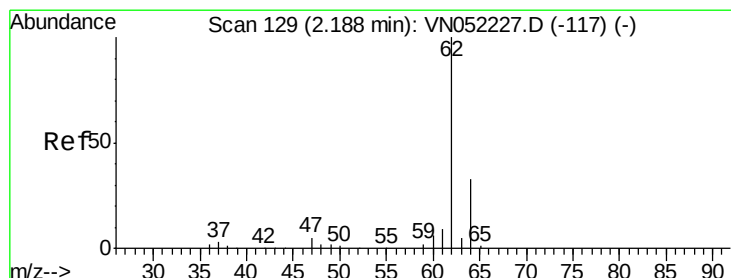
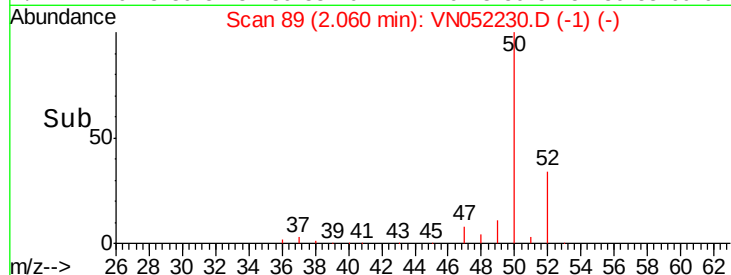
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50000

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2.00 2.10

Time-->



#4

Vinyl Chloride

Concen: 49.050 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052230.D

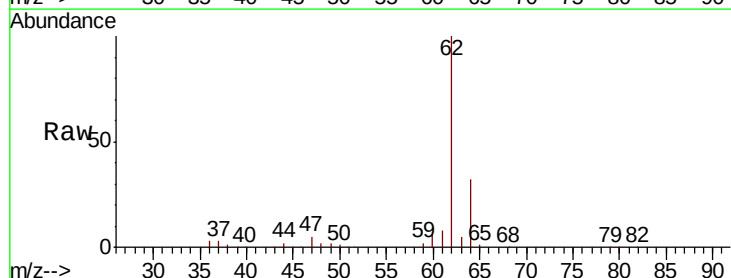
Acq: 9 Nov 2018 16:28

Tgt Ion: 62 Resp: 182573

Ion Ratio Lower Upper

62 100

64 31.9 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

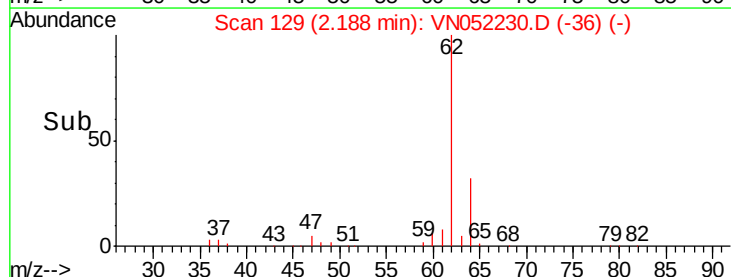
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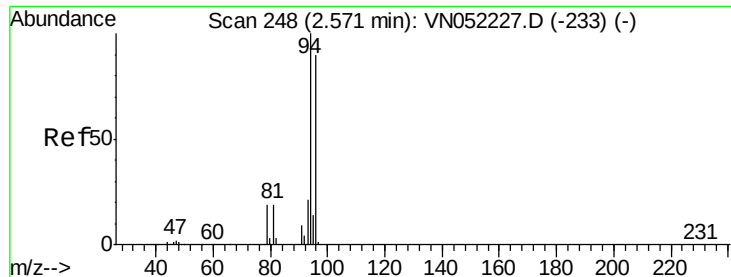
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 46.795 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.03 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

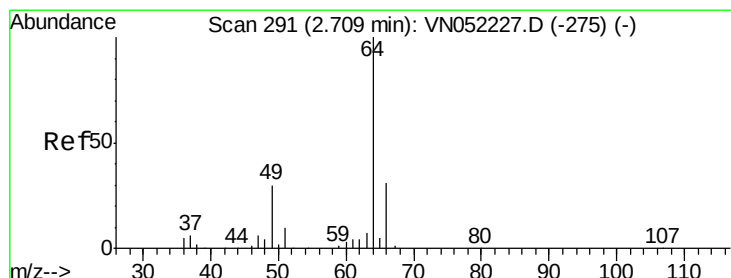
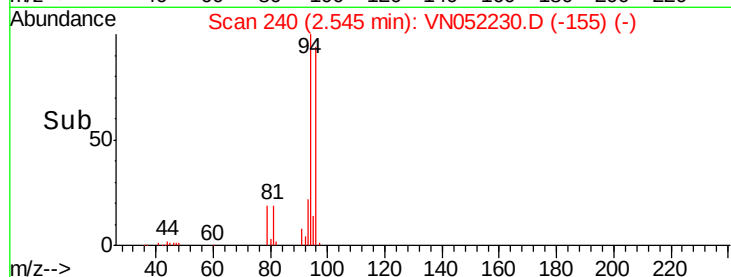
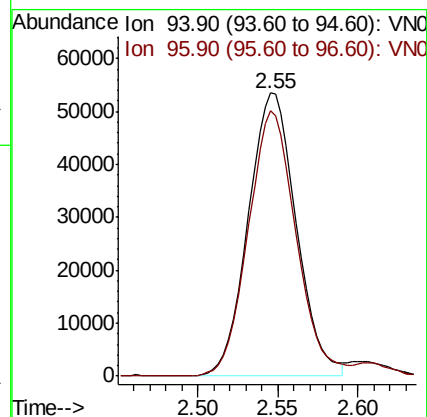
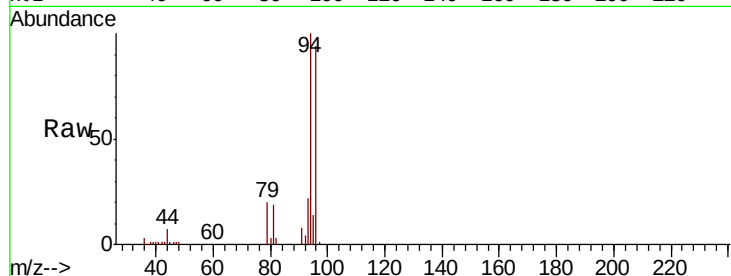
ICVFN110918

Tot Ion: 94 Resp: 110512

Ion Ratio Lower Upper

94 100

96 93.7 71.8 107.8



#6

Chloroethane

Concen: 46.570 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.02 min

Lab File: VN052230.D

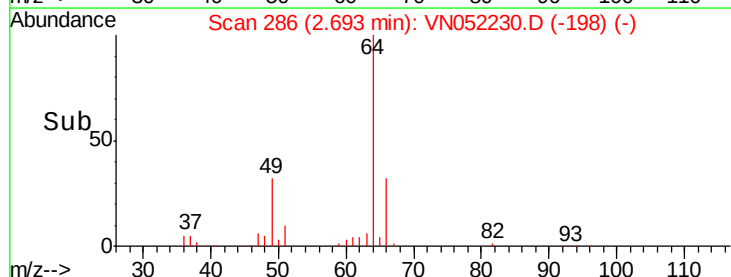
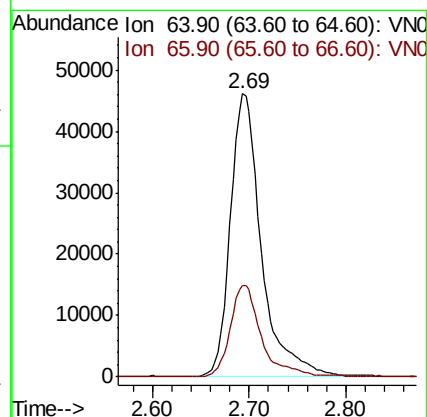
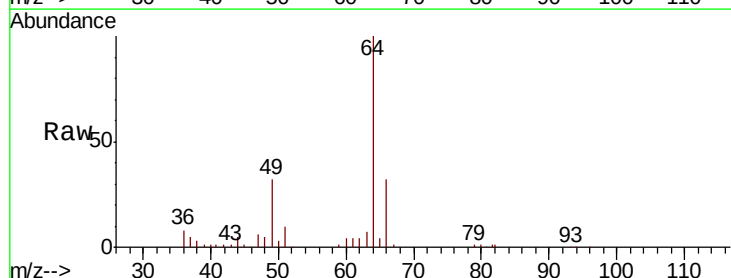
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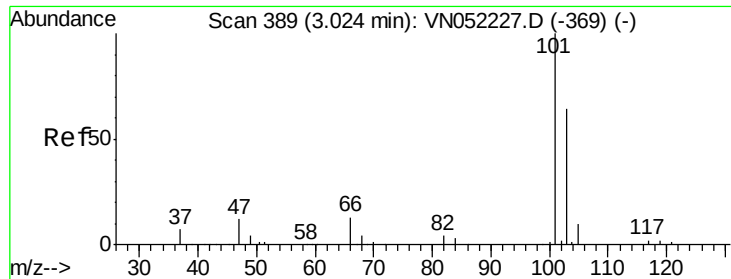
Tgt Ion: 64 Resp: 102937

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8



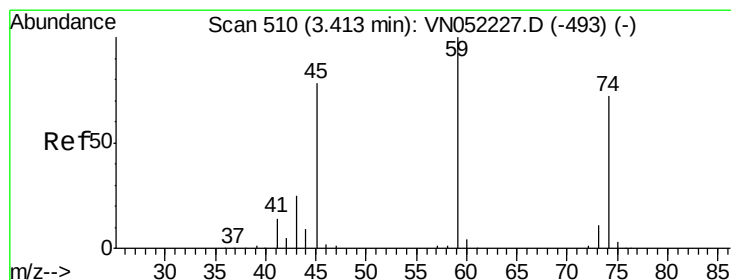
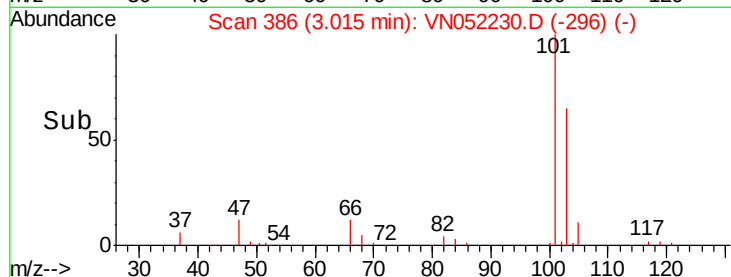
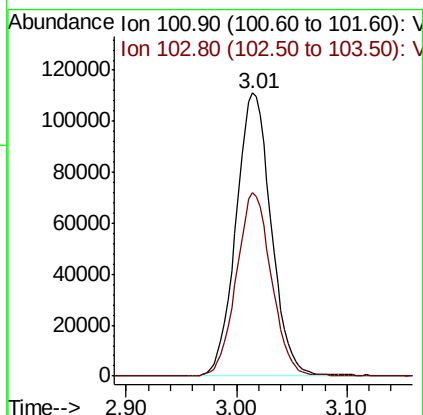
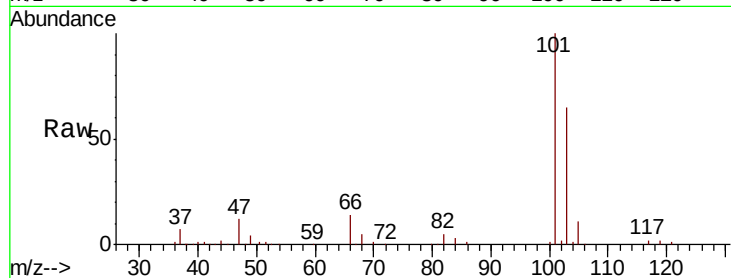


#7

Trichlorofluoromethane
 Concen: 47.337 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.01 min
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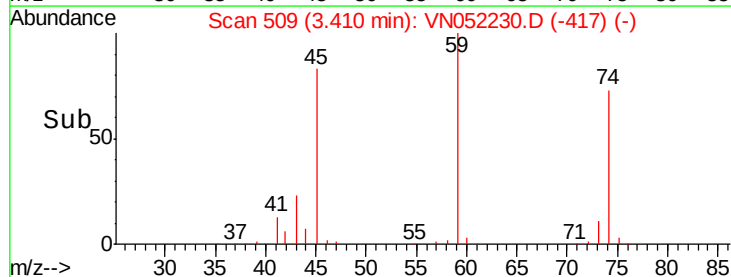
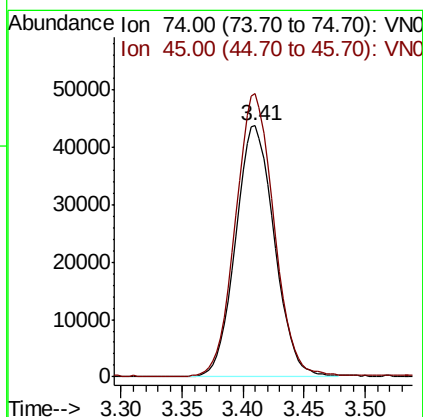
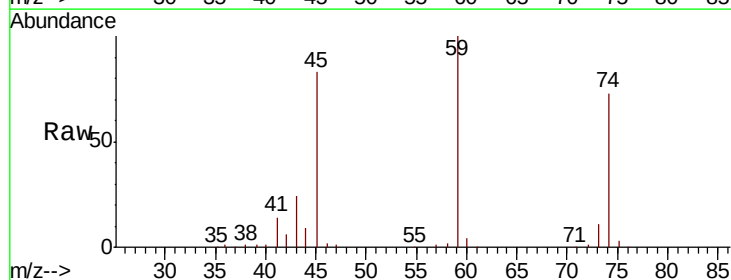
Tot Ion:101 Resp: 245275
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.2 76.8

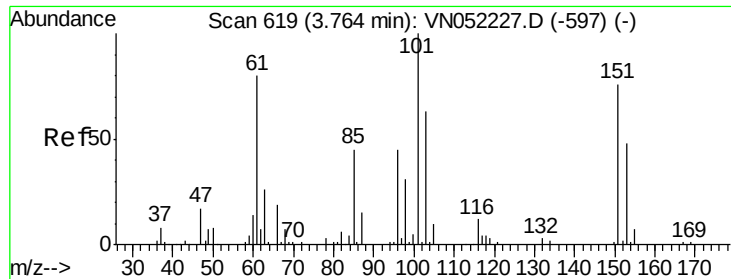


#8

Diethyl Ether
 Concen: 47.276 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion: 74 Resp: 96369
 Ion Ratio Lower Upper
 74 100
 45 112.7 55.5 166.7

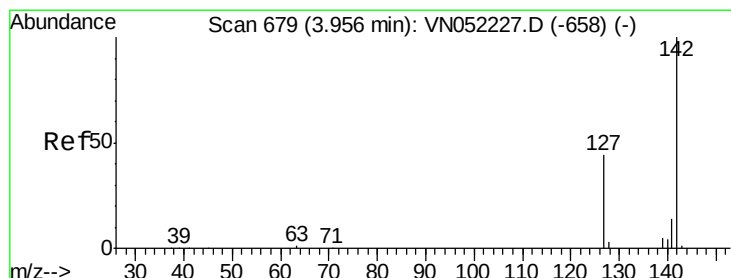
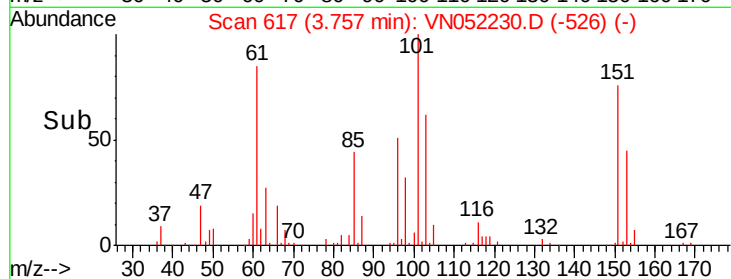
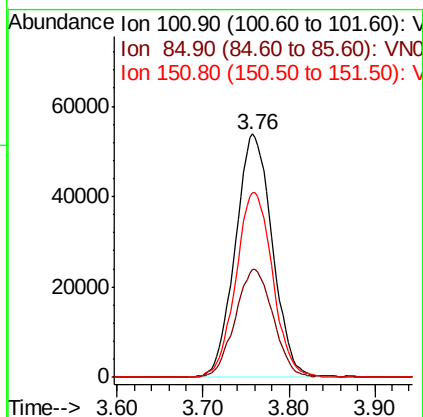
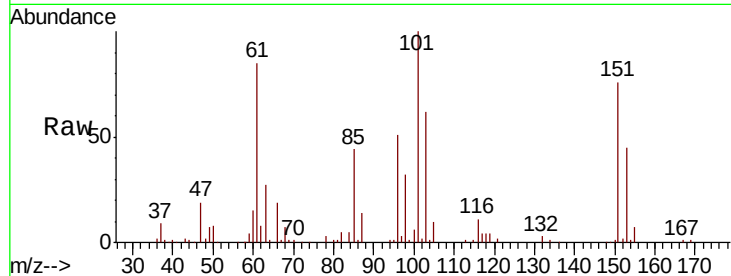




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.453 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

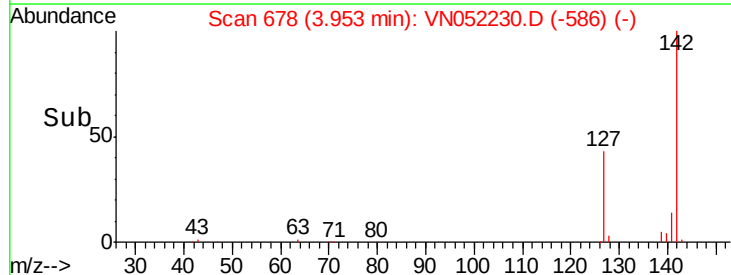
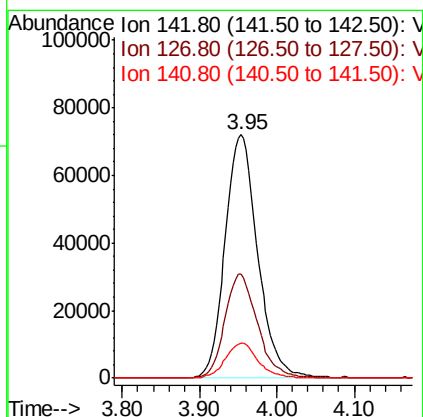
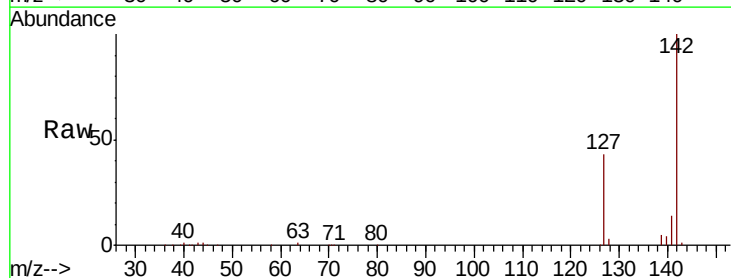
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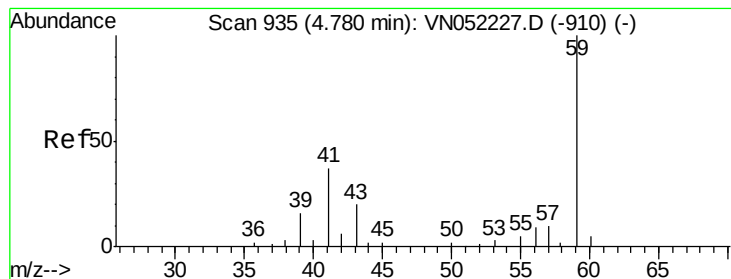
Tot Ion:101 Resp: 161073
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.2 54.4
 151 75.6 59.2 88.8



#10
 Methyl Iodide
 Concen: 48.835 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion:142 Resp: 210637
 Ion Ratio Lower Upper
 142 100
 127 42.9 35.3 52.9
 141 14.4 11.8 17.6



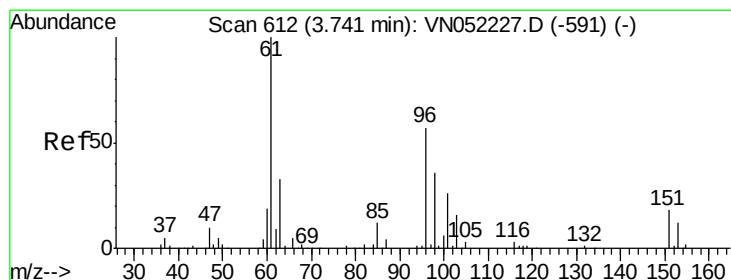
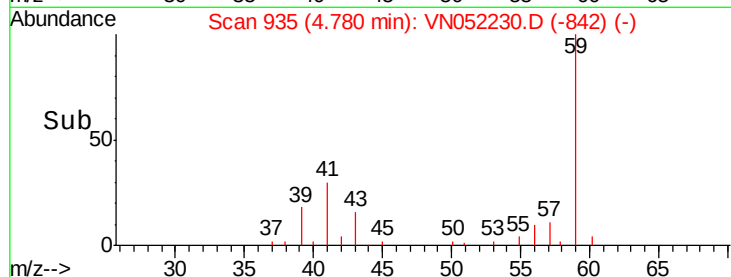
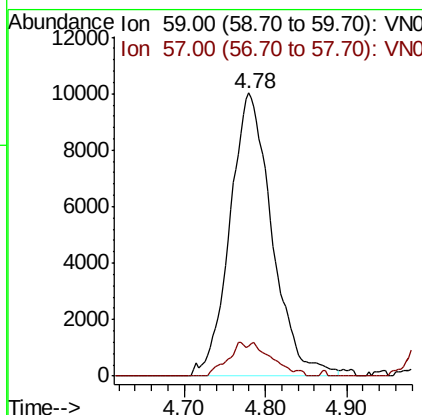
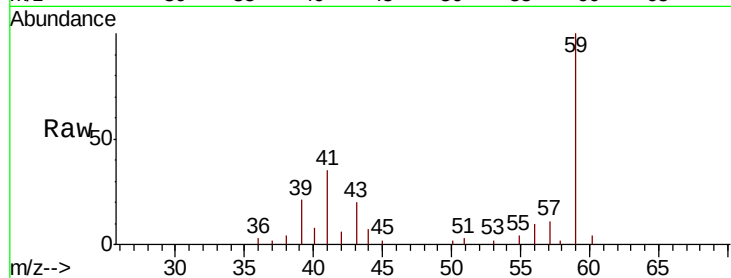


#11

Tert butyl alcohol
 Concen: 173.901 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

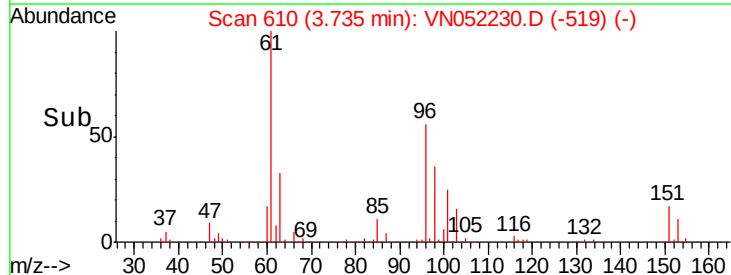
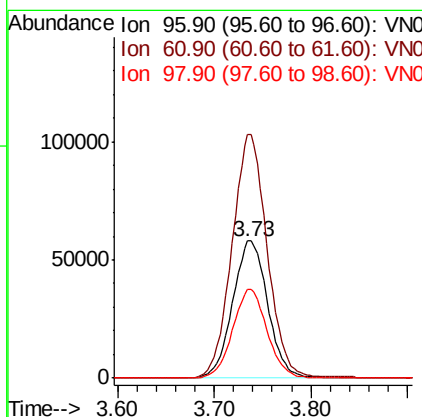
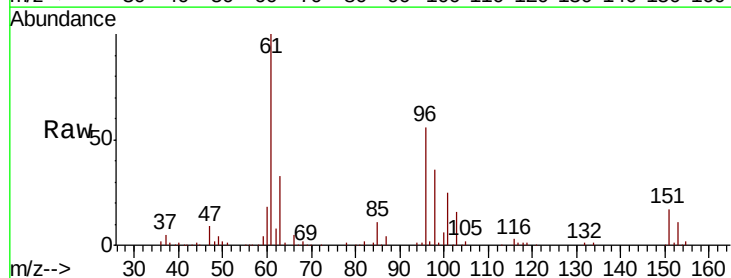
Tot Ion: 59 Resp: 35882
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

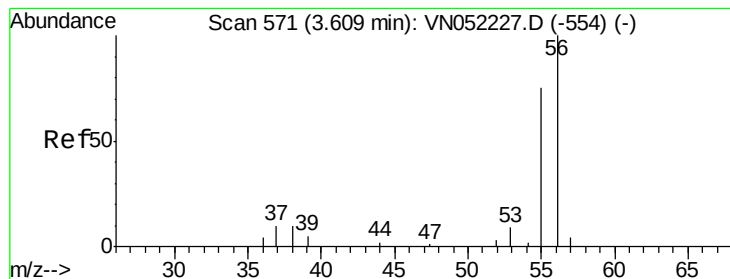


#12

1,1-Dichloroethene
 Concen: 47.615 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion: 96 Resp: 146516
 Ion Ratio Lower Upper
 96 100
 61 177.2 141.1 211.7
 98 64.5 50.3 75.5





#13

Acrolein

Concen: 246.139 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

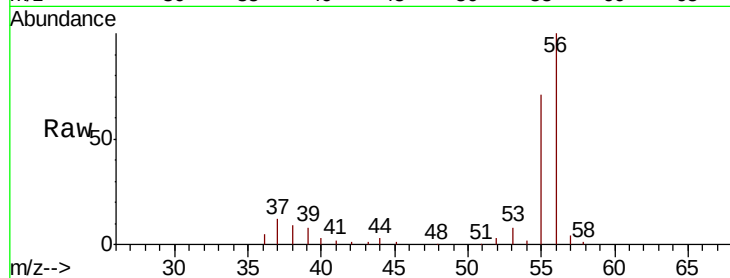
ICVVN110918

Tot Ion: 56 Resp: 78620

Ion Ratio Lower Upper

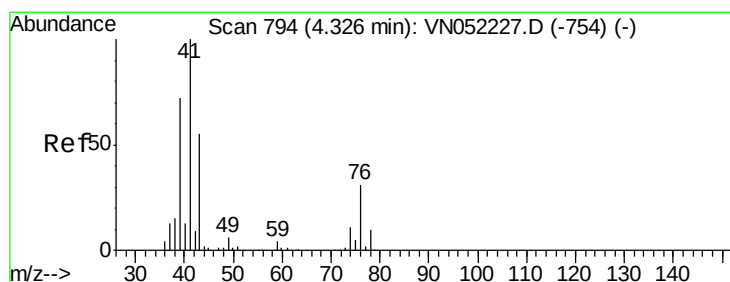
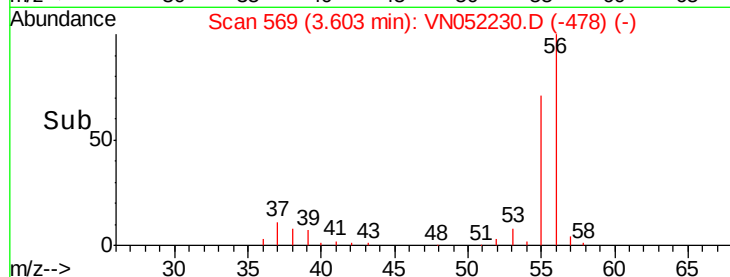
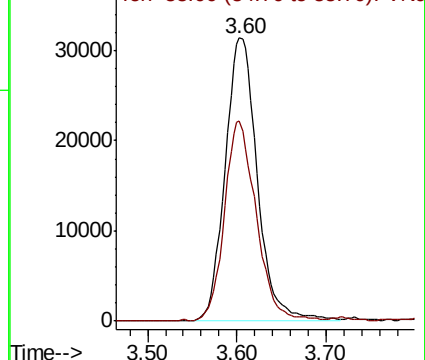
56 100

55 68.9 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.396 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

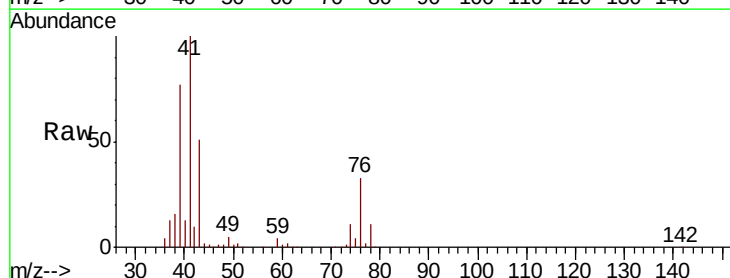
Tgt Ion: 41 Resp: 298902

Ion Ratio Lower Upper

41 100

39 72.6 55.1 82.7

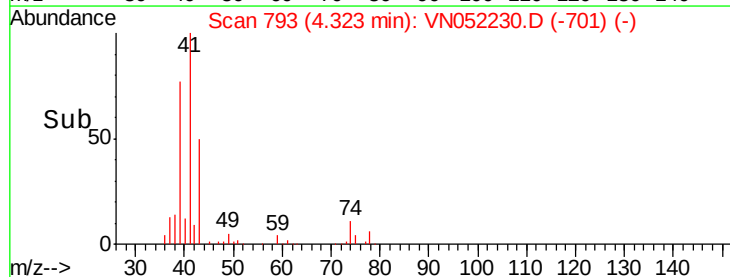
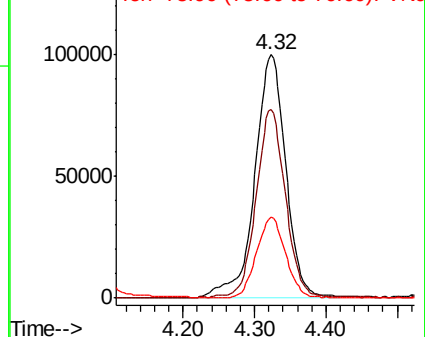
76 30.8 23.6 35.4

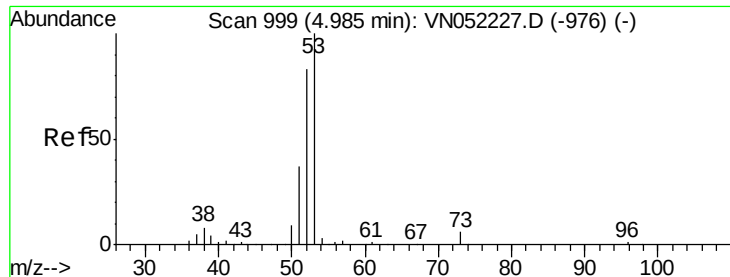


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 234.915 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

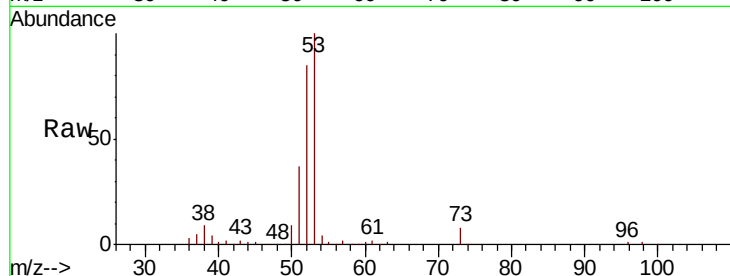
Tot Ion: 53 Resp: 297914

Ion Ratio Lower Upper

53 100

52 83.7 66.7 100.1

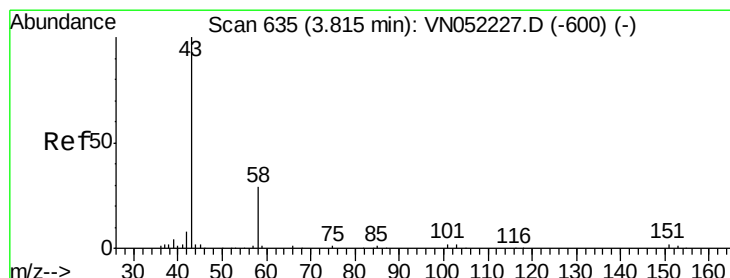
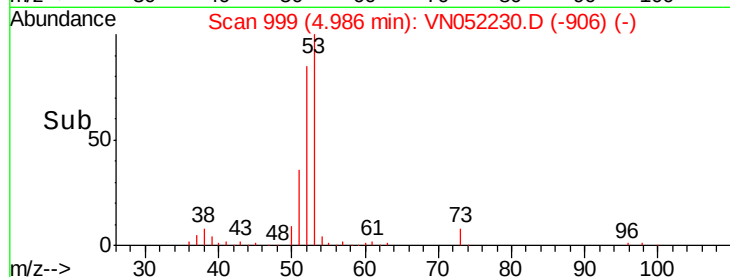
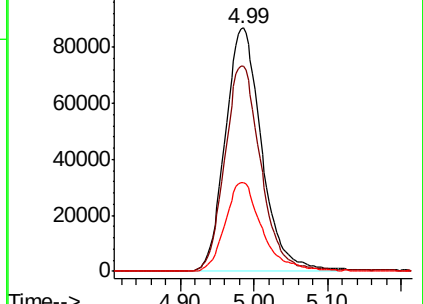
51 37.2 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN052227.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN052227.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN052227.D (-976) (-)



#16

Acetone

Concen: 226.046 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052230.D

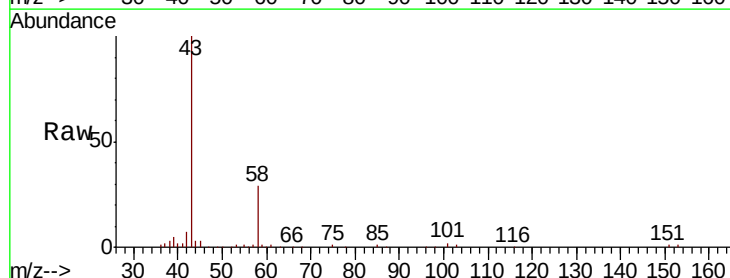
Acq: 9 Nov 2018 16:28

Tgt Ion: 43 Resp: 228736

Ion Ratio Lower Upper

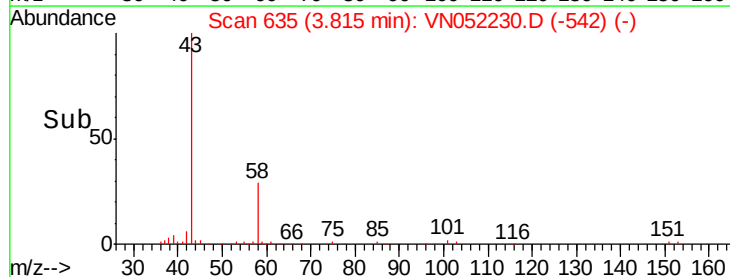
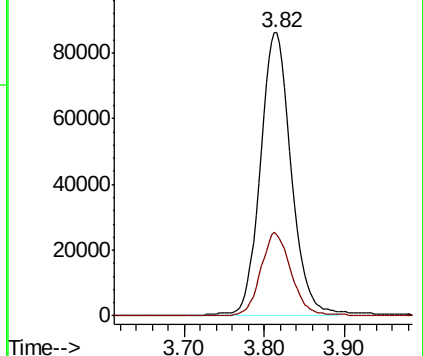
43 100

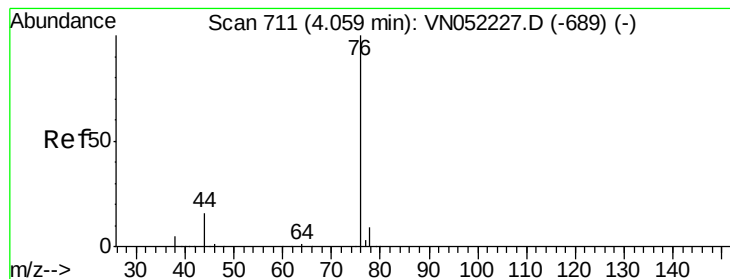
58 28.8 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-600) (-)





#17

Carbon Disulfide

Concen: 48.869 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.01 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

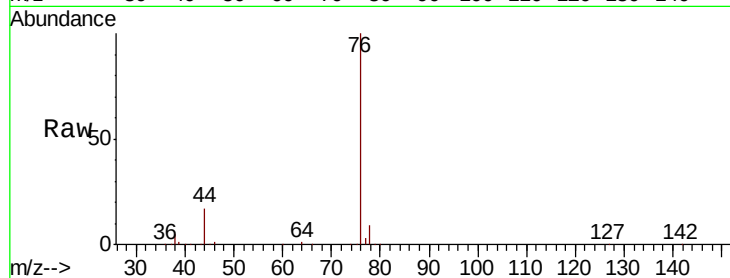
ICVFN110918

Tot Ion: 76 Resp: 436213

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.05

150000

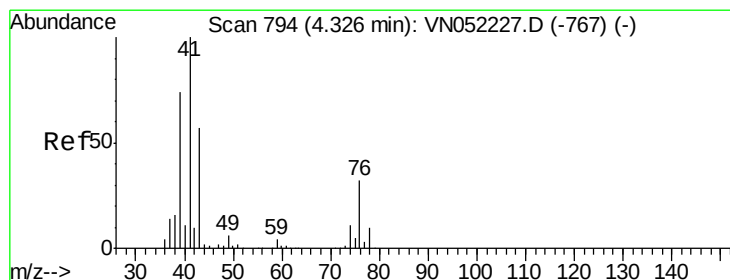
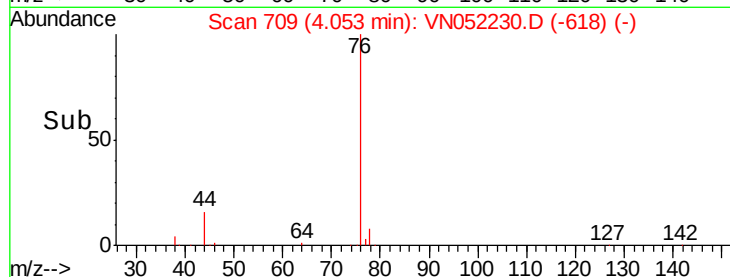
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 44.350 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN052230.D

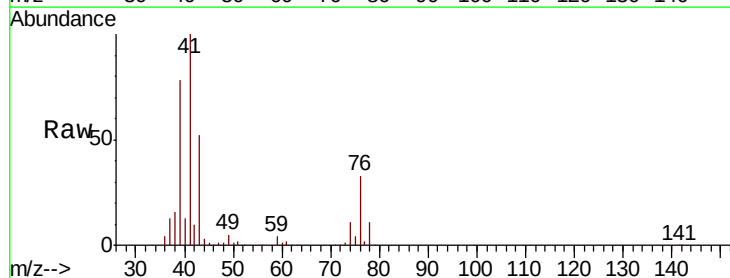
Acq: 9 Nov 2018 16:28

Tgt Ion: 43 Resp: 149172

Ion Ratio Lower Upper

43 100

74 20.9 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

60000

50000

40000

30000

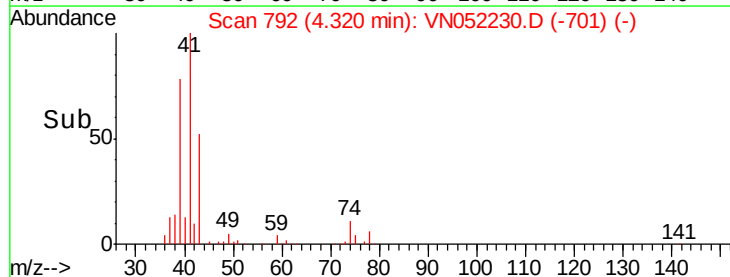
20000

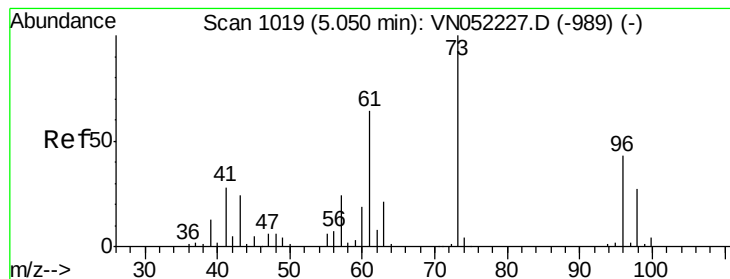
10000

0

Time-->

4.20 4.30 4.40 4.50



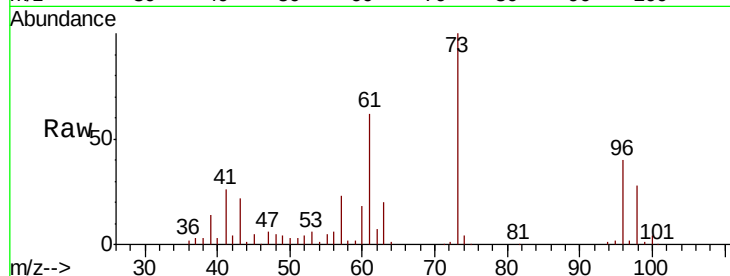


#19

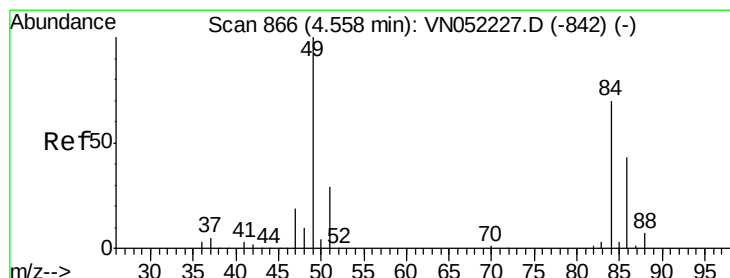
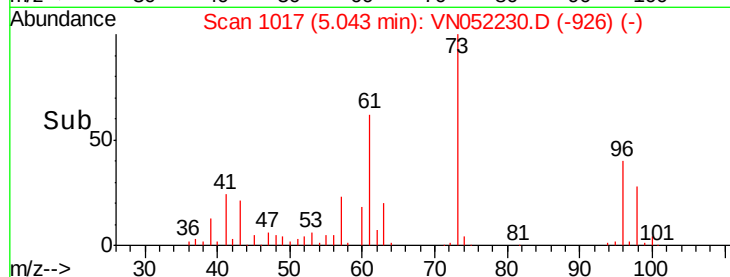
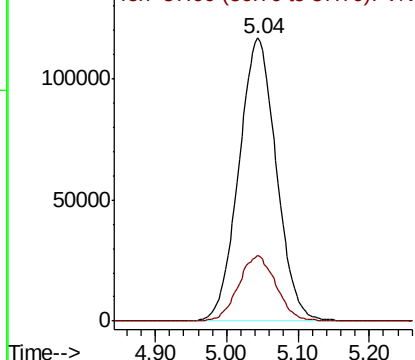
Methyl tert-butyl Ether
 Concen: 48.570 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion: 73 Resp: 426996
 Ion Ratio Lower Upper
 73 100
 57 23.0 19.1 28.7



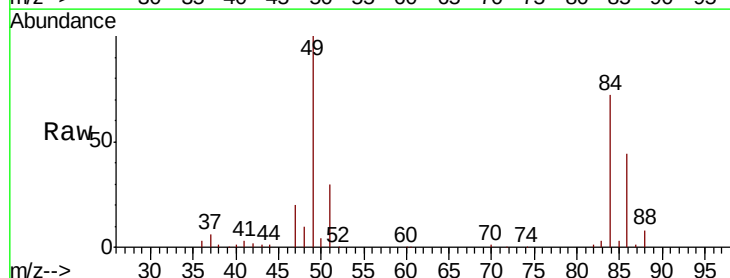
Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



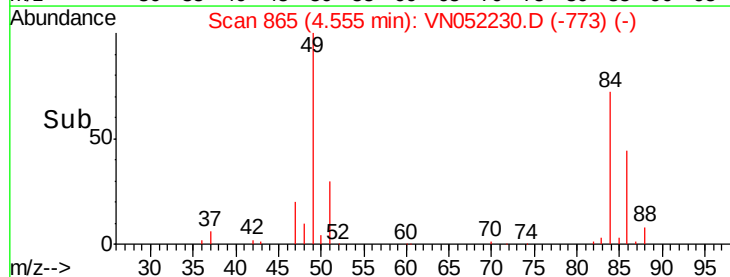
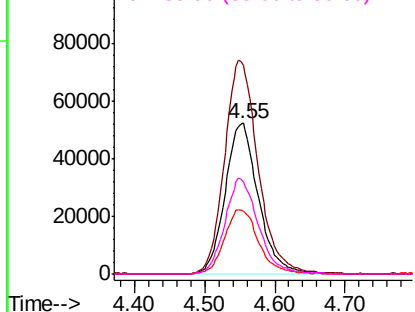
#20

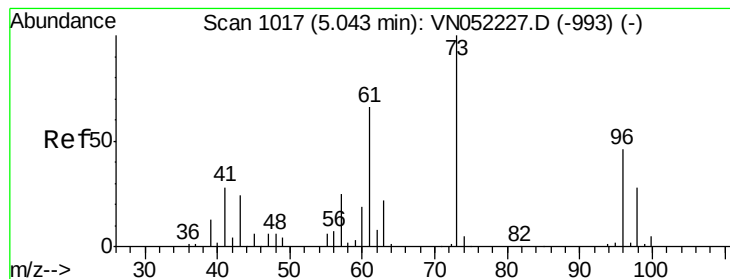
Methylene Chloride
 Concen: 46.766 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion: 84 Resp: 171612
 Ion Ratio Lower Upper
 84 100
 49 138.1 114.8 172.2
 51 41.6 33.1 49.7
 86 60.9 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VN0
 Ion 48.90 (48.60 to 49.60): VN0
 Ion 50.90 (50.60 to 51.60): VN0
 Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 46.045 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVFN110918

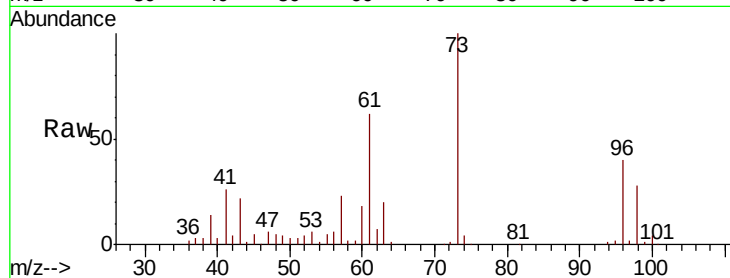
Tot Ion: 96 Resp: 153988

Ion Ratio Lower Upper

96 100

61 152.8 115.3 172.9

98 68.6 49.5 74.3

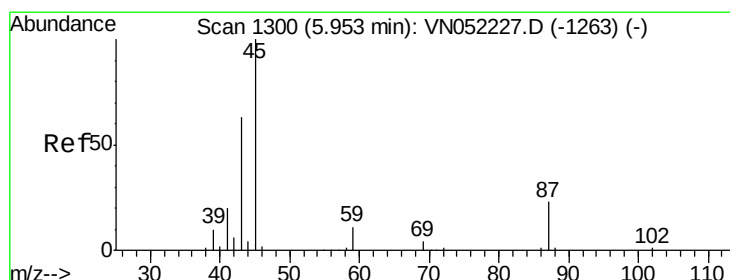
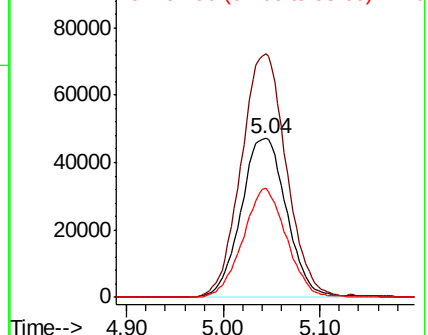
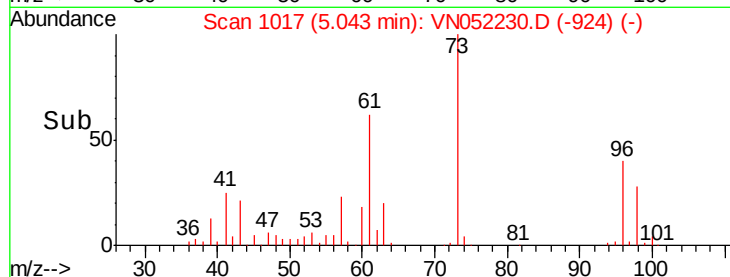


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 47.655 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Tgt Ion: 45 Resp: 615450

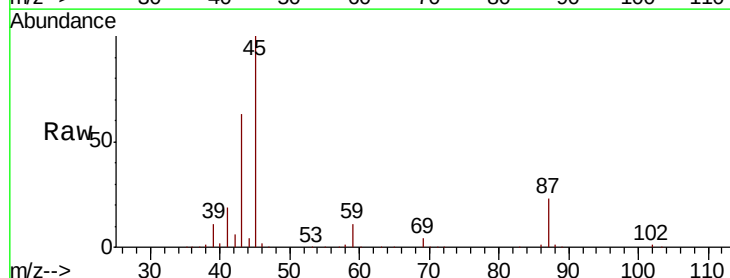
Ion Ratio Lower Upper

45 100

43 62.5 50.6 76.0

87 23.4 19.0 28.4

59 10.3 8.6 13.0



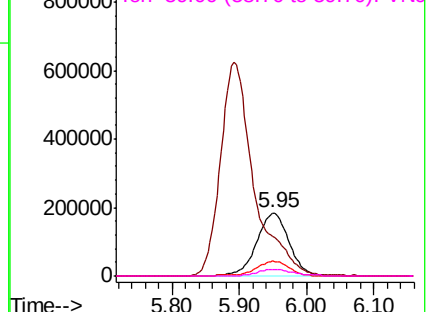
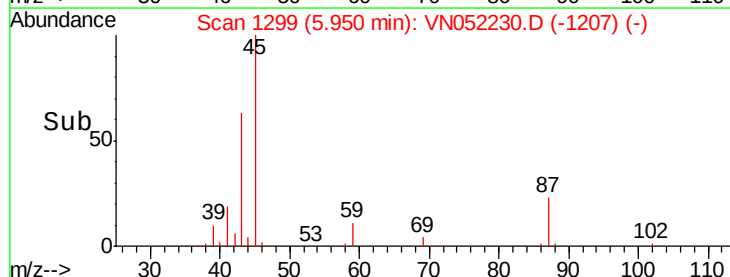
Abundance

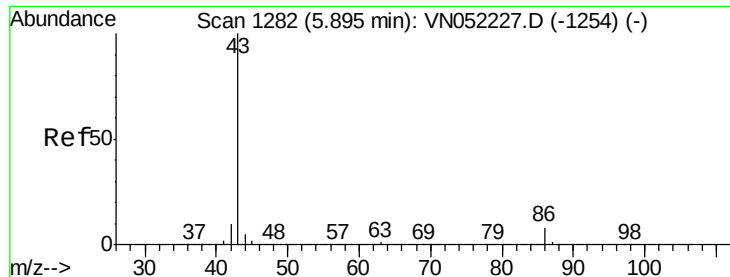
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 244.083 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

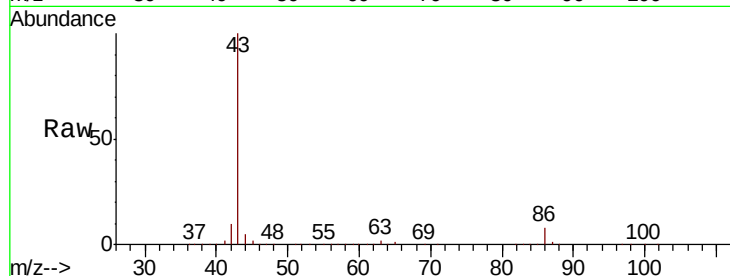
ICVVN110918

Tot Ion: 43 Resp: 2163002

Ion Ratio Lower Upper

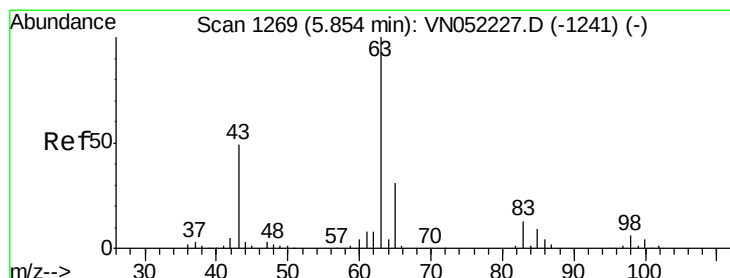
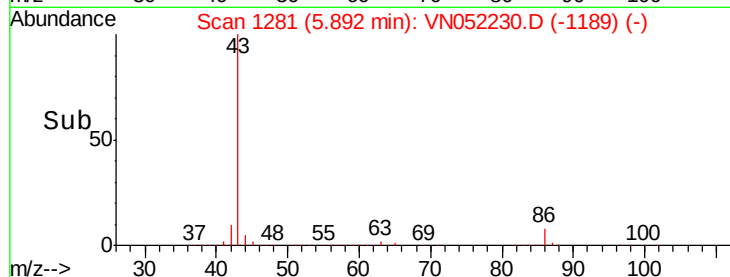
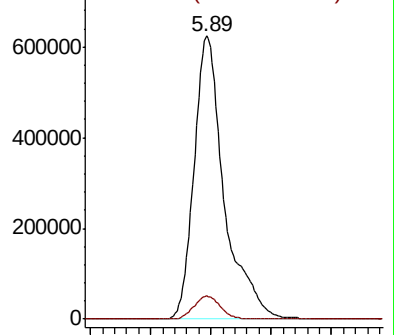
43 100

86 8.2 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.686 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

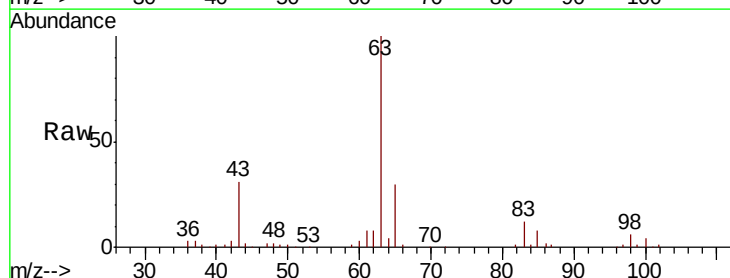
Tgt Ion: 63 Resp: 318460

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

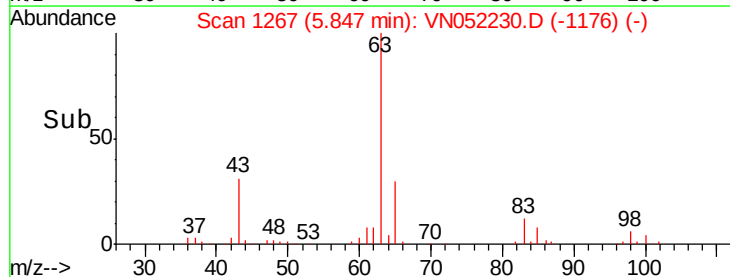
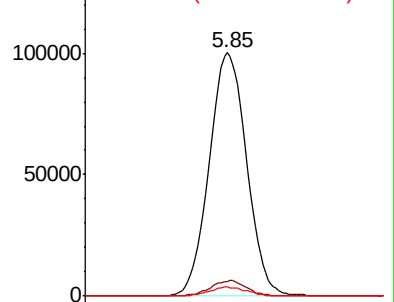
100 3.7 2.1 6.2

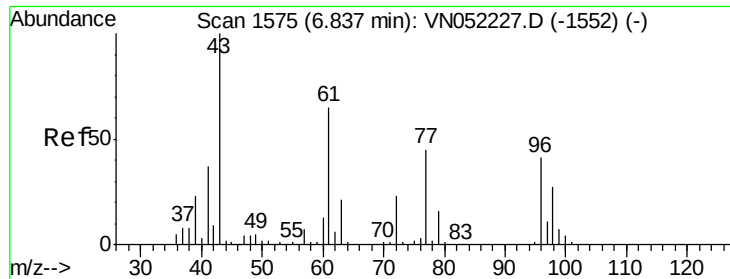


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 209.910 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

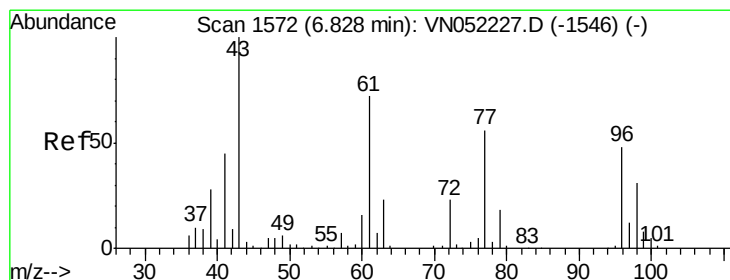
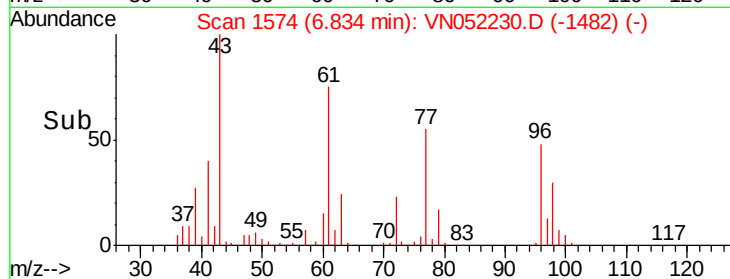
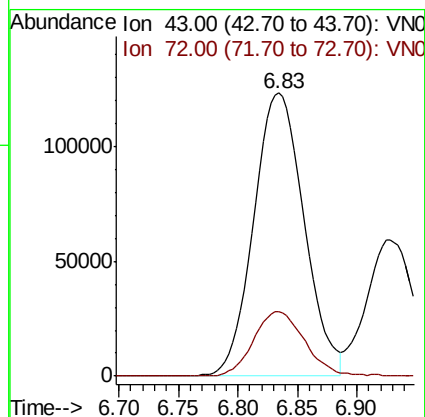
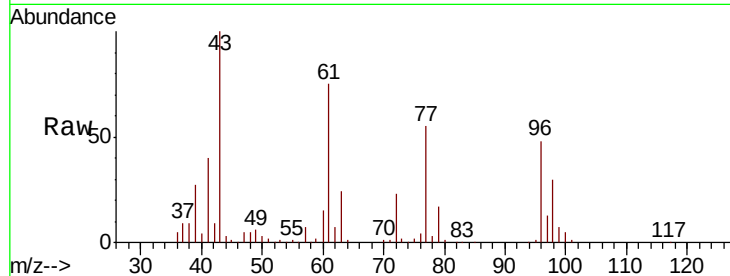
ICVVN110918

Tot Ion: 43 Resp: 360449

Ion Ratio Lower Upper

43 100

72 22.8 18.6 27.8



#26

2,2-Dichloropropane

Concen: 48.563 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052230.D

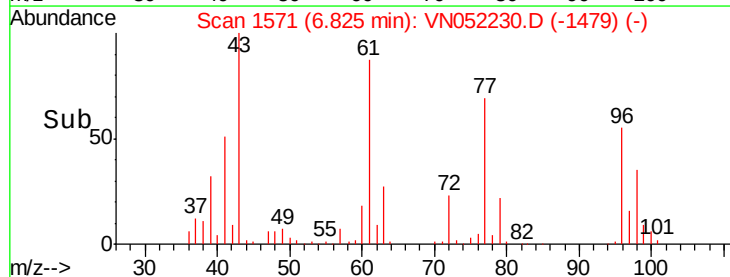
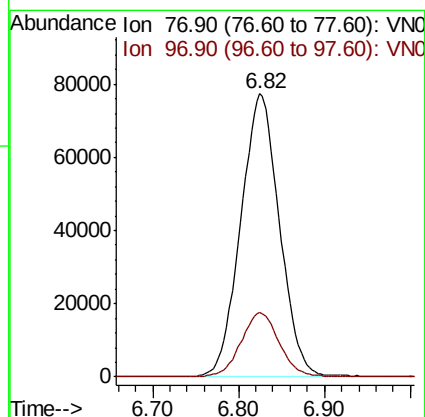
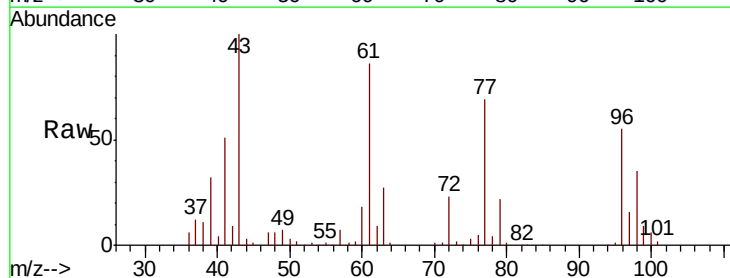
Acq: 9 Nov 2018 16:28

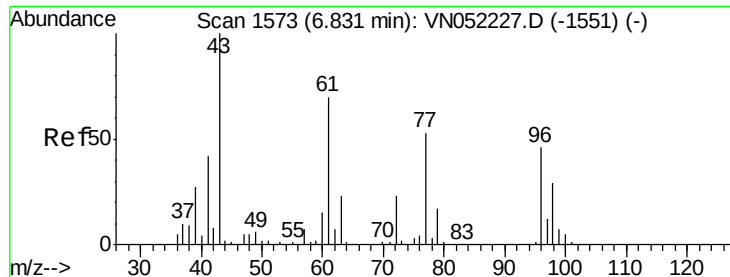
Tgt Ion: 77 Resp: 241946

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 48.577 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

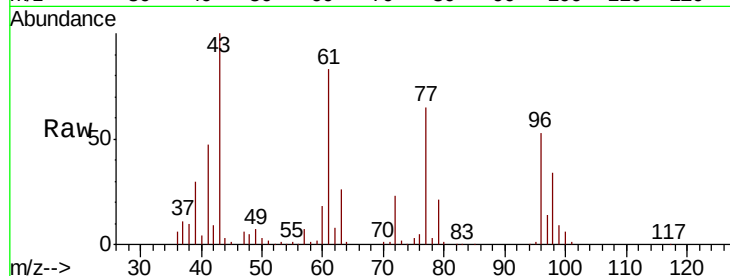
Tot Ion: 96 Resp: 181847

Ion Ratio Lower Upper

96 100

61 157.5 0.0 313.4

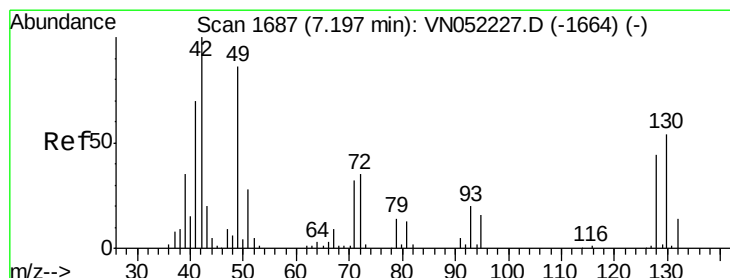
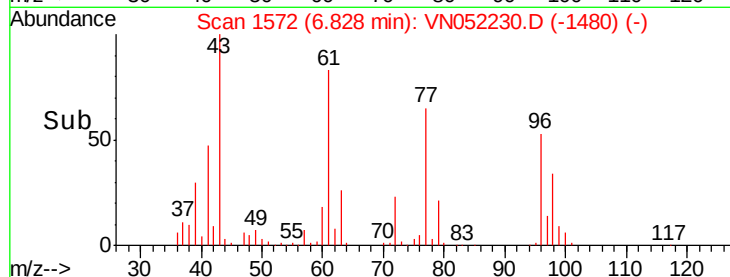
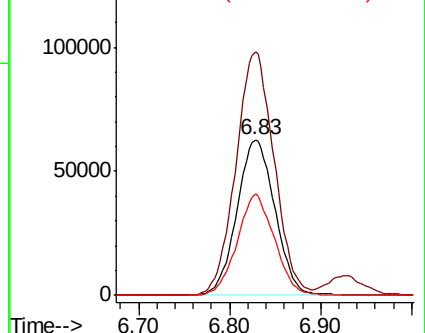
98 63.8 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN052227.D (-1551) (-)

Ion 60.90 (60.60 to 61.60): VN052227.D (-1551) (-)

Ion 97.90 (97.60 to 98.60): VN052227.D (-1551) (-)



#28

Bromochloromethane

Concen: 48.197 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

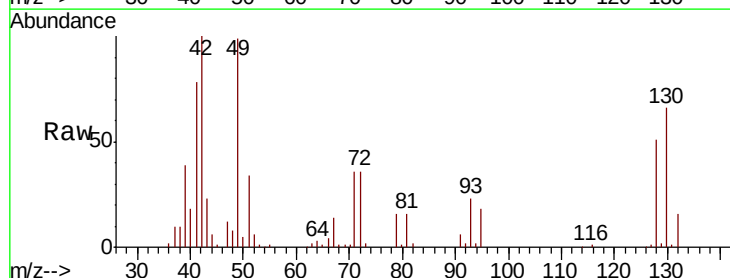
Tgt Ion: 49 Resp: 162451

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

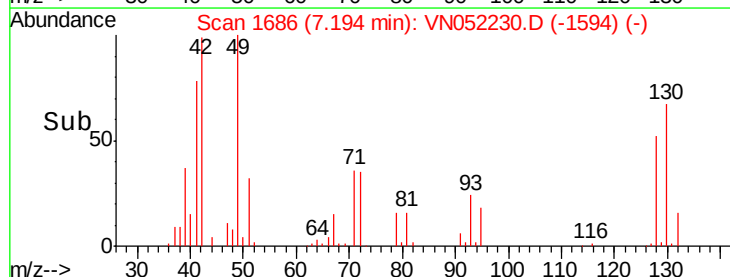
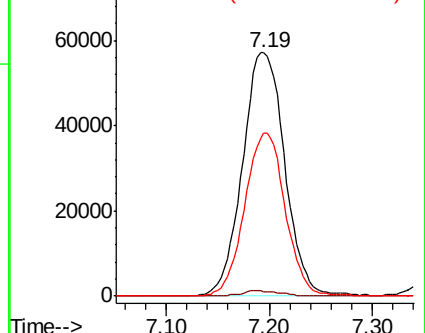
130 64.5 51.4 77.2

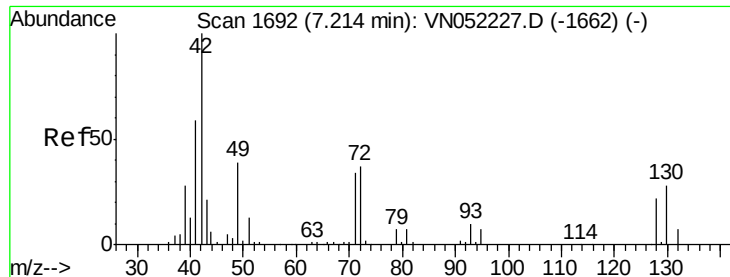


Abundance Ion 48.90 (48.60 to 49.60): VN052227.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN052227.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN052227.D (-1664) (-)

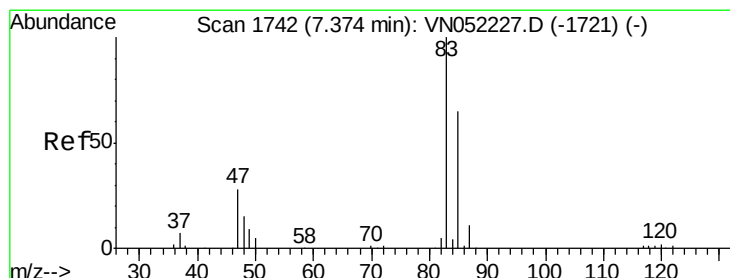
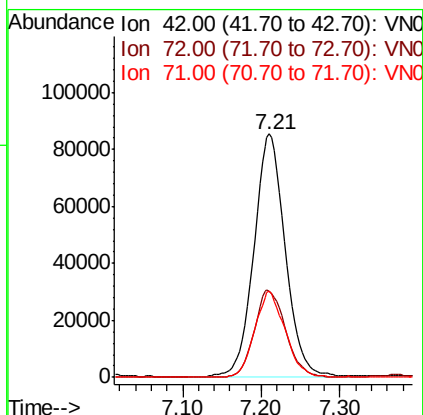
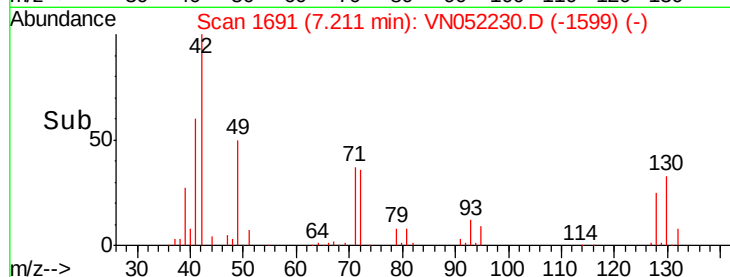
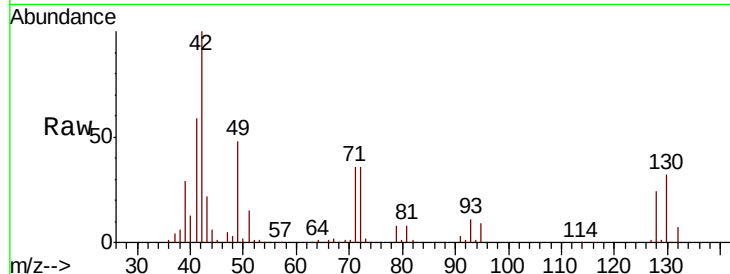




#29
Tetrahydrofuran
Concen: 214.852 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

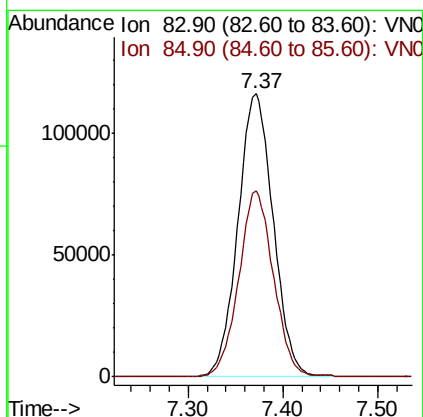
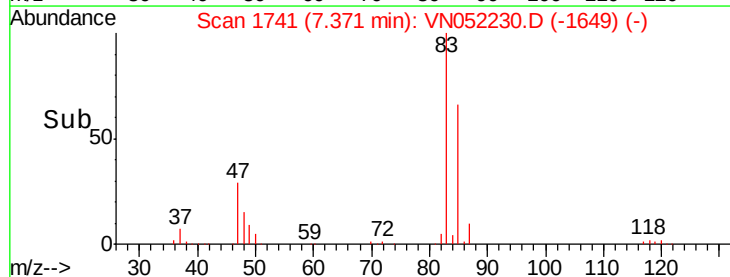
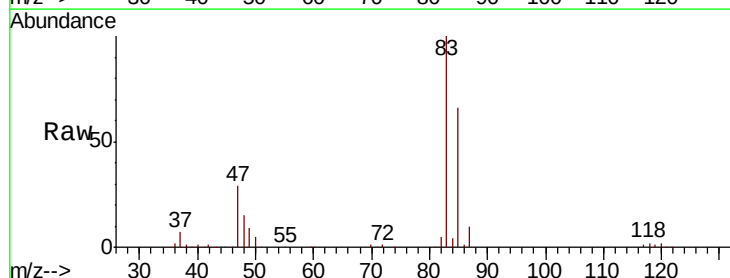
Instrument :
MSVOA_N
ClientSampled :
ICVVN110918

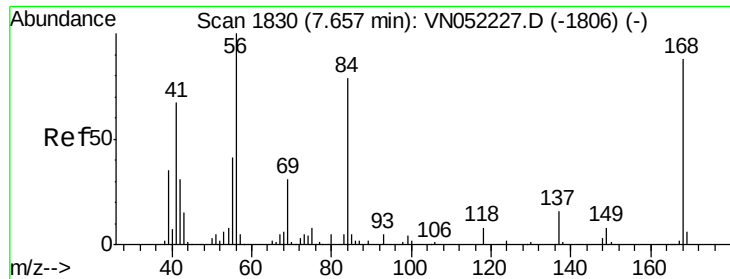
Tot Ion: 42 Resp: 240108
Ion Ratio Lower Upper
42 100
72 35.9 28.6 43.0
71 34.7 27.1 40.7



#30
Chloroform
Concen: 46.707 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 83 Resp: 301523
Ion Ratio Lower Upper
83 100
85 65.8 51.8 77.6

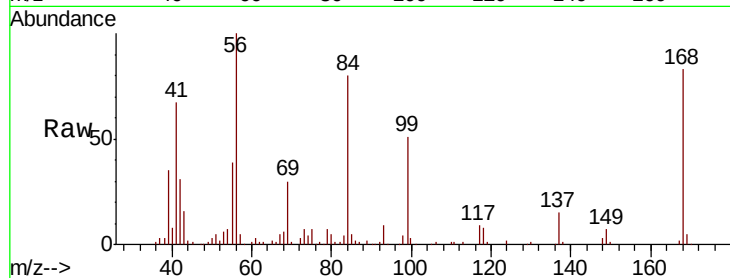




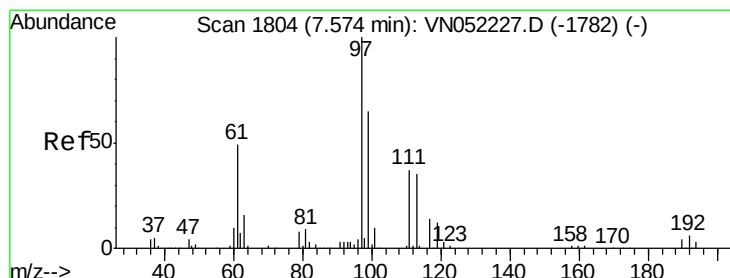
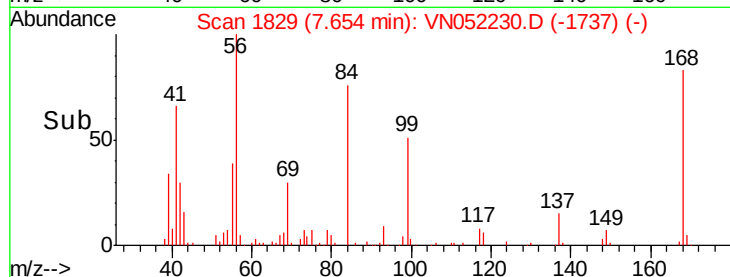
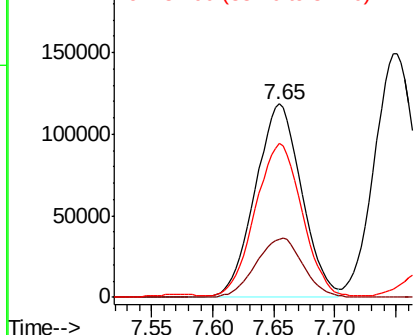
#31
Cyclohexane
Concen: 49.661 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion: 56 Resp: 313376
Ion Ratio Lower Upper
56 100
69 30.3 24.8 37.2
84 78.1 63.1 94.7

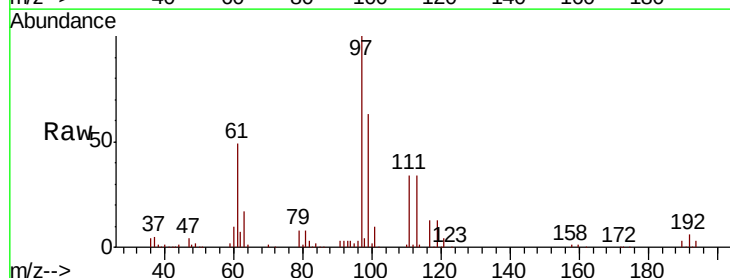


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

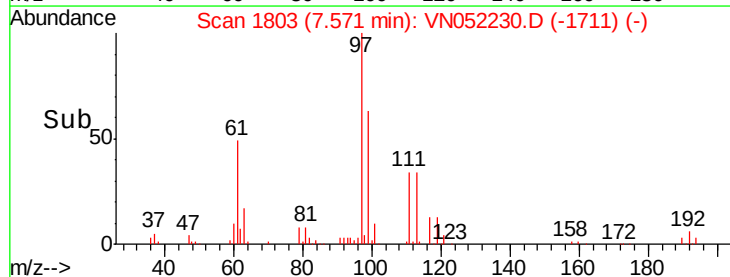
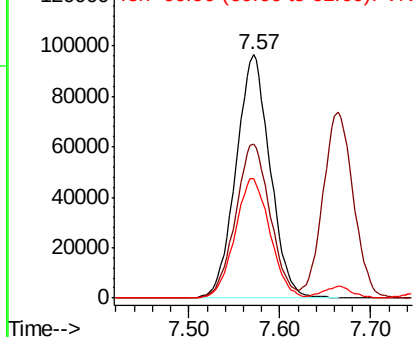


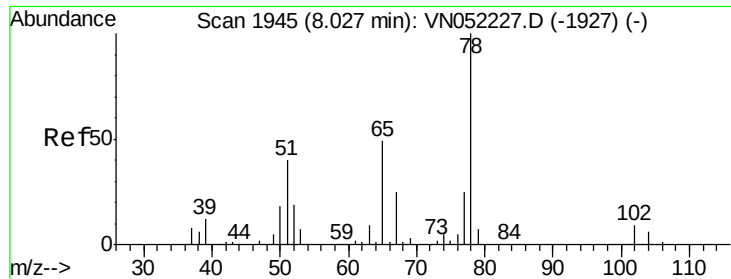
#32
1,1,1-Trichloroethane
Concen: 47.696 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 97 Resp: 250975
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 50.4 40.2 60.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

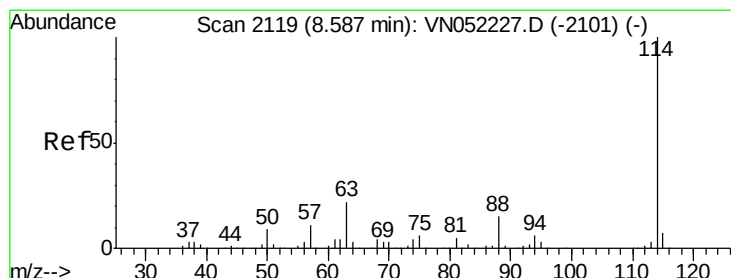
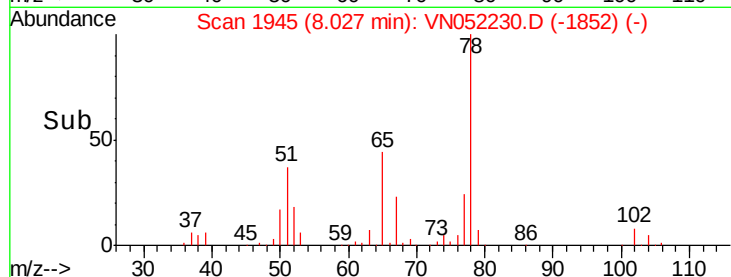
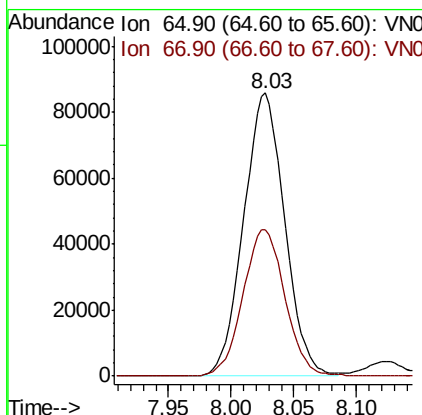
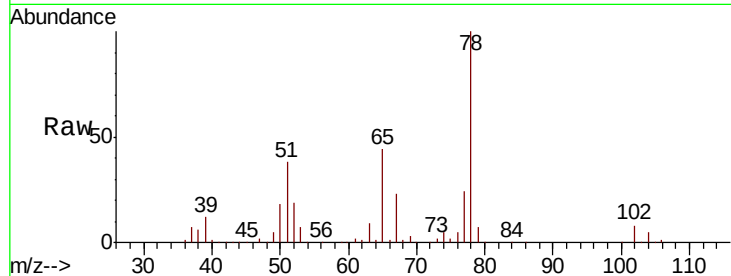




#33
 1,2-Dichloroethane-d4
 Concen: 47.696 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

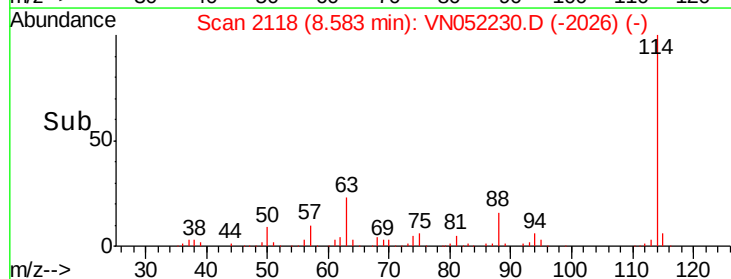
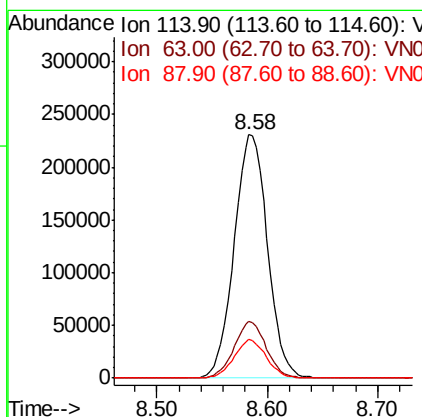
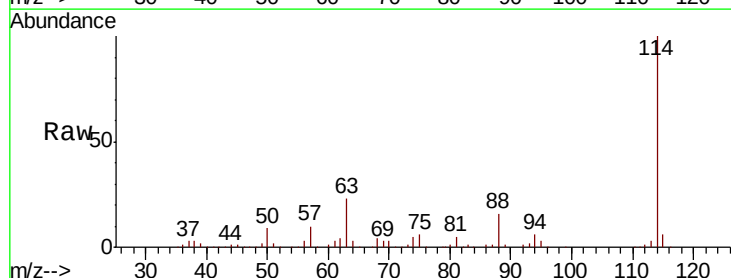
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

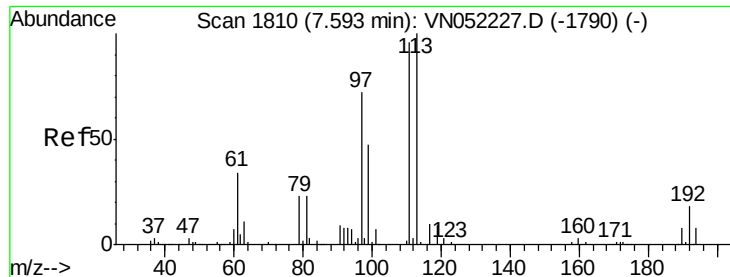
Tot Ion: 65 Resp: 195499
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion: 114 Resp: 483119
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 43.4
 88 15.8 0.0 30.2

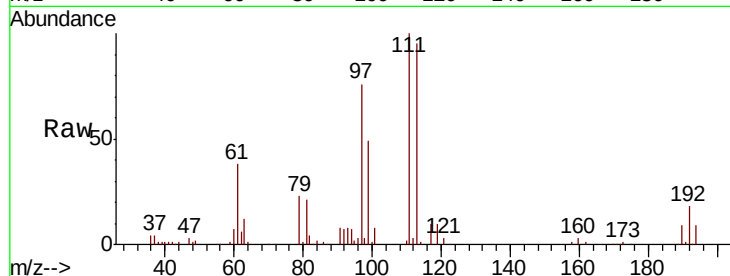




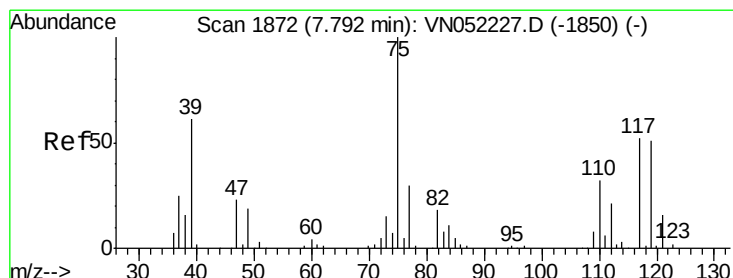
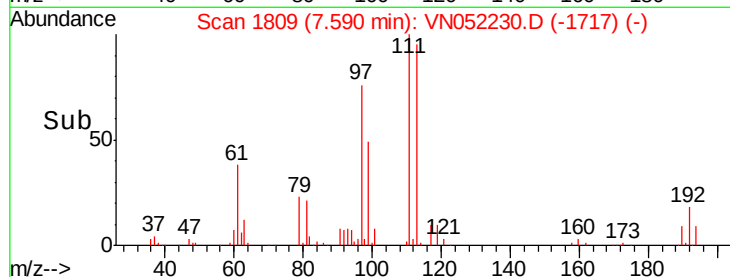
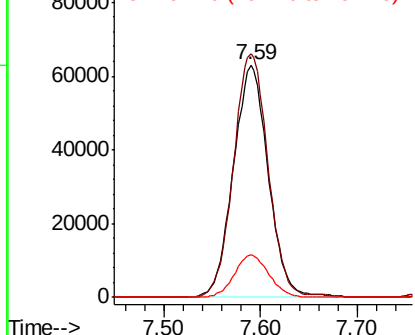
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion:113 Resp: 158116
Ion Ratio Lower Upper
113 100
111 104.4 80.2 120.4
192 18.1 14.1 21.1

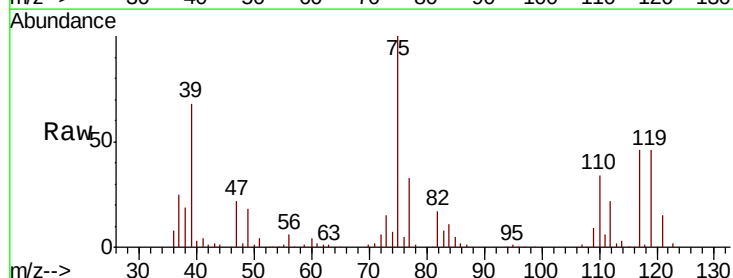


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

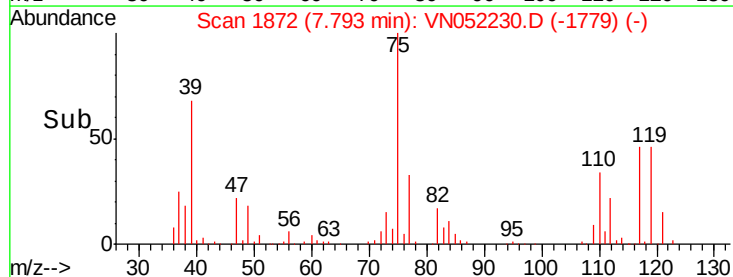
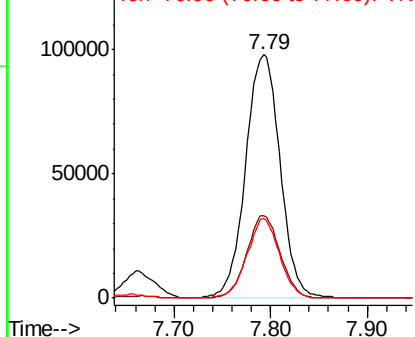


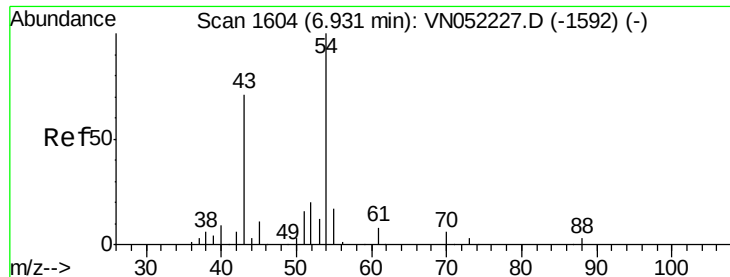
#36
1,1-Dichloropropene
Concen: 49.334 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 75 Resp: 240568
Ion Ratio Lower Upper
75 100
110 33.1 16.4 49.4
77 31.1 23.9 35.9



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

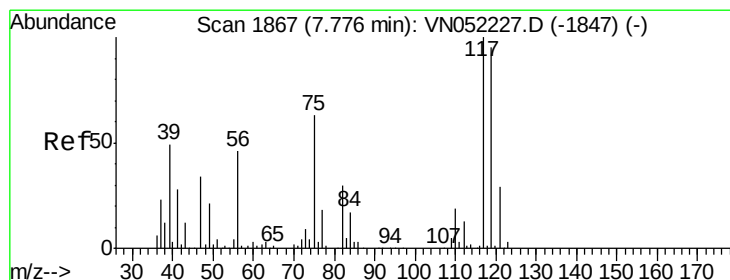
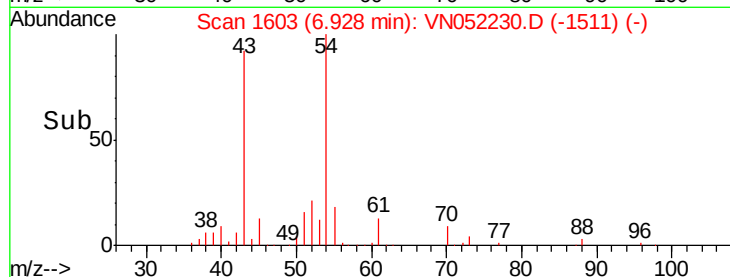
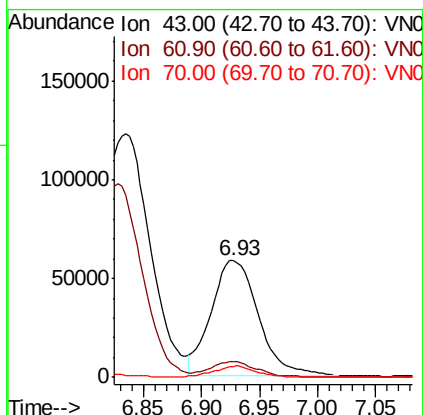
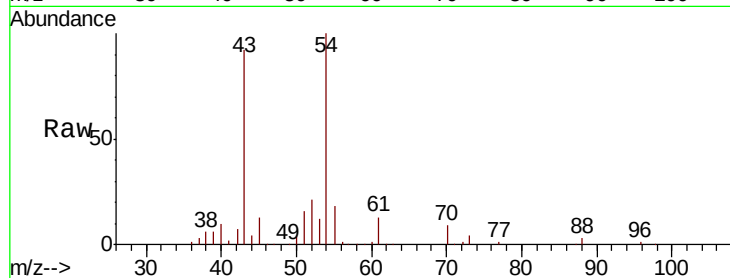




#37
Ethyl Acetate
Concen: 45.272 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

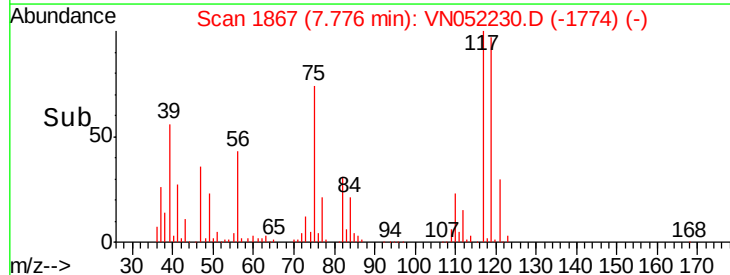
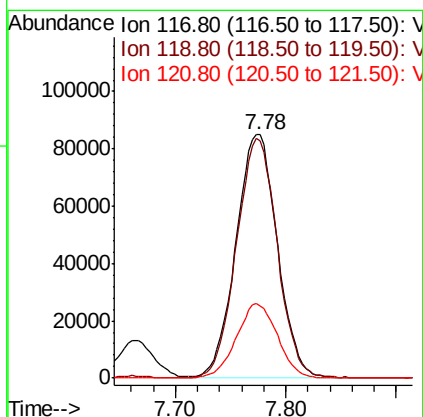
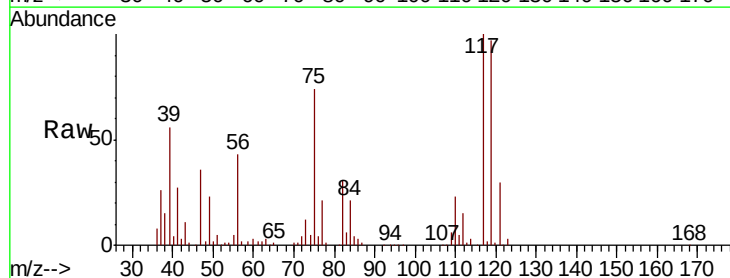
Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

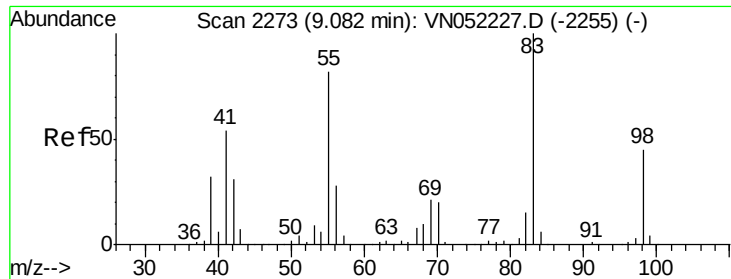
Tot Ion: 43 Resp: 166042
Ion Ratio Lower Upper
43 100
61 13.1 10.0 15.0
70 9.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 49.693 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 117 Resp: 219598
Ion Ratio Lower Upper
117 100
119 97.7 75.8 113.8
121 29.9 23.4 35.2

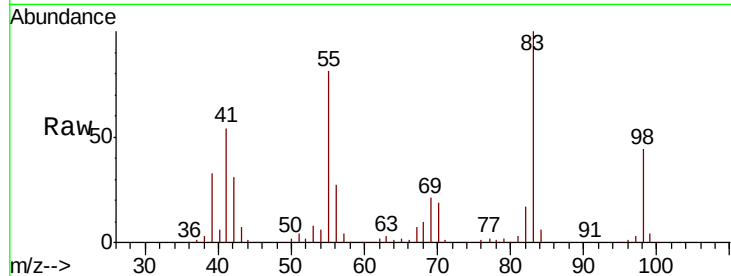




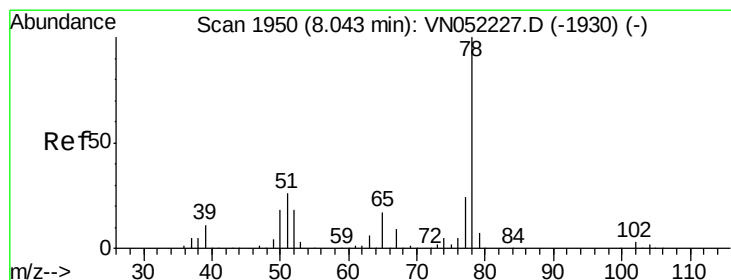
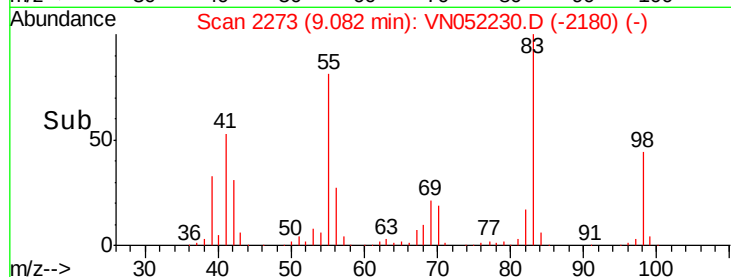
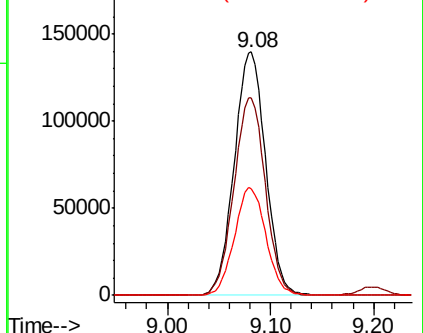
#39
Methylvlcyclohexane
Concen: 53.048 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion: 83 Resp: 295052
Ion Ratio Lower Upper
83 100
55 81.2 65.2 97.8
98 43.7 36.3 54.5

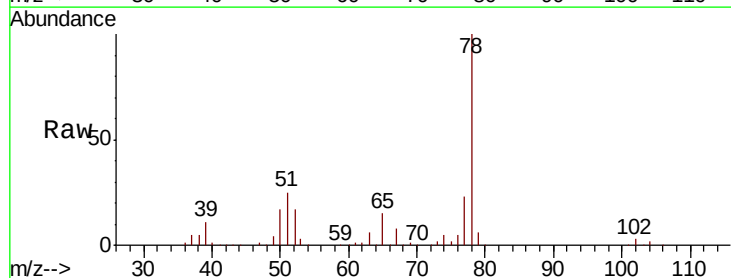


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

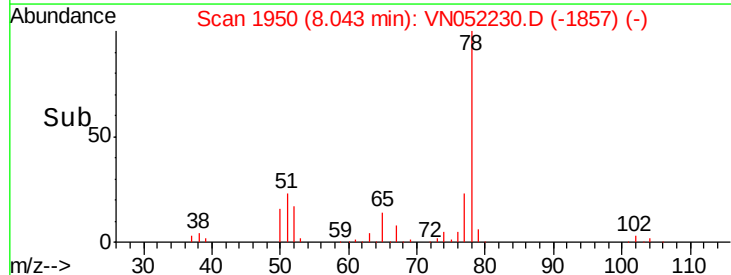
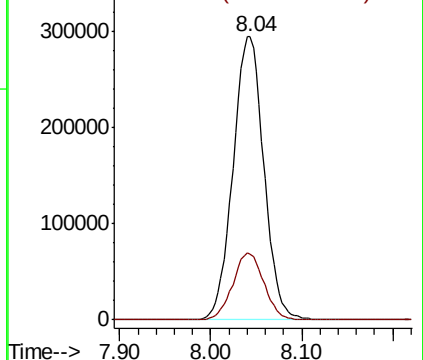


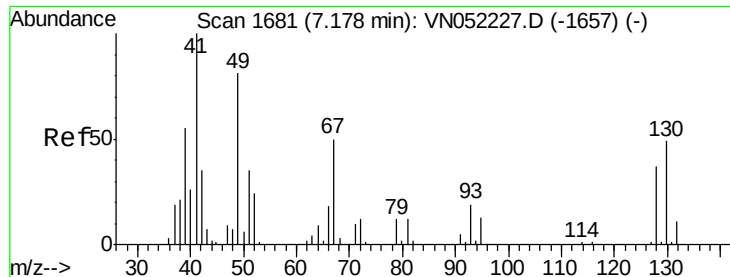
#40
Benzene
Concen: 49.668 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 78 Resp: 693450
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

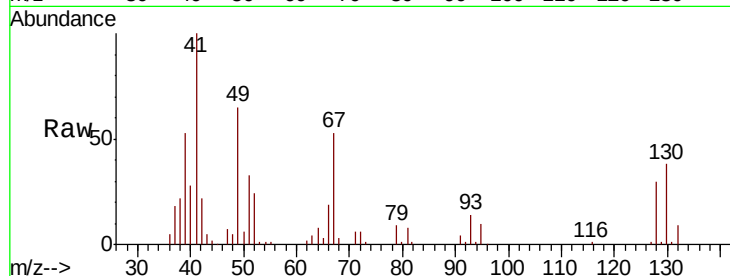




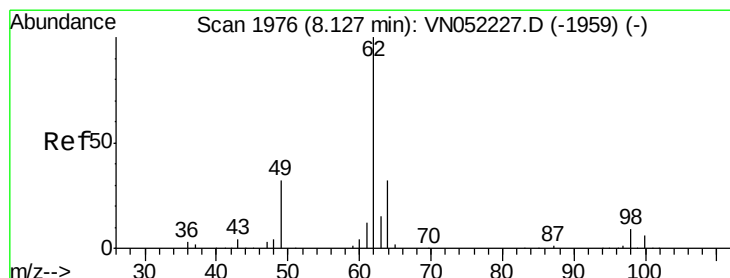
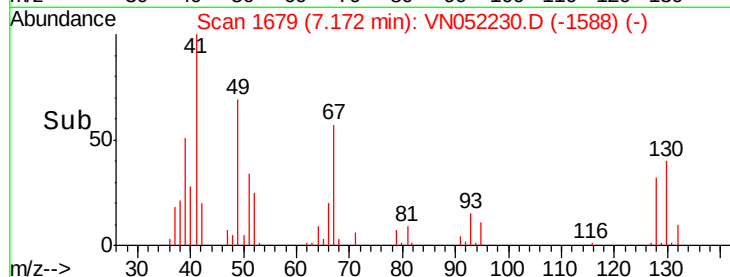
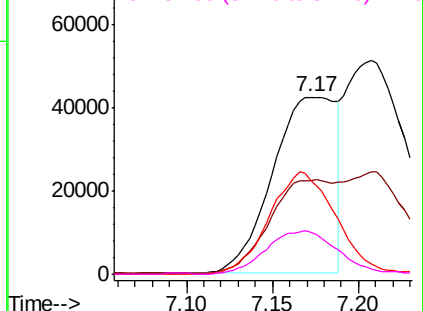
#41
Methacrylonitrile
Concen: 51.185 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion:	41	Resp:	109084
Ion	Ratio	Lower	Upper
41	100		
39	50.8	47.8	71.6
67	61.3	54.3	81.5
52	28.1	26.2	39.4

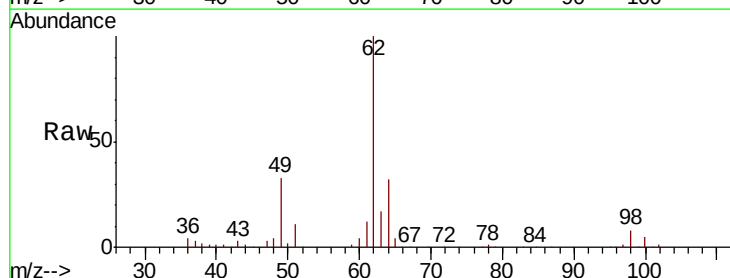


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

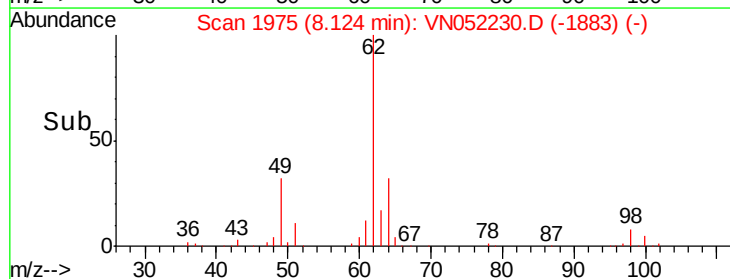
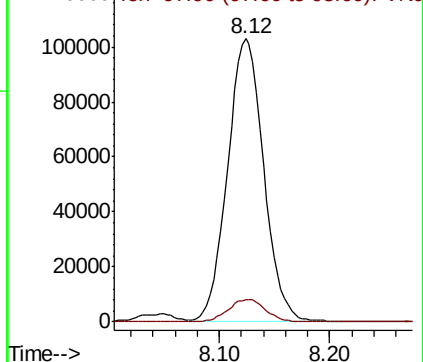


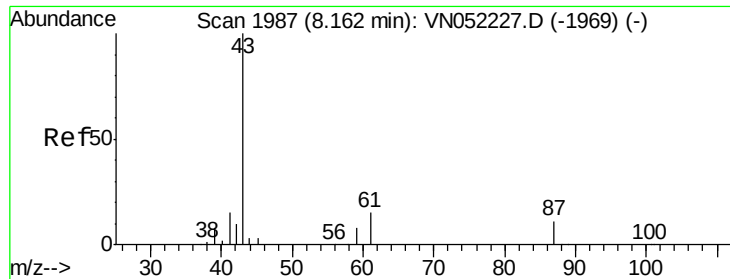
#42
1,2-Dichloroethane
Concen: 47.478 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion:	62	Resp:	232573
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.262 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVFN110918

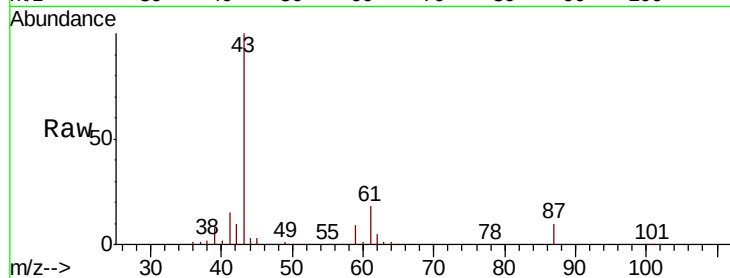
Tot Ion: 43 Resp: 308532

Ion Ratio Lower Upper

43 100

61 25.7 14.2 21.4#

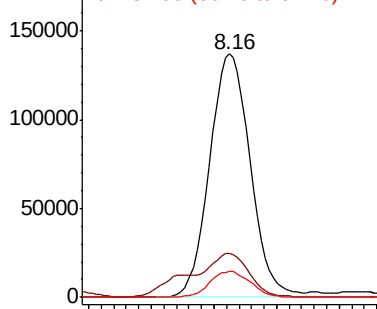
87 10.8 8.4 12.6



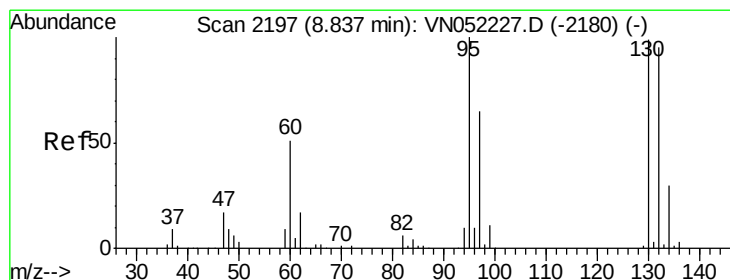
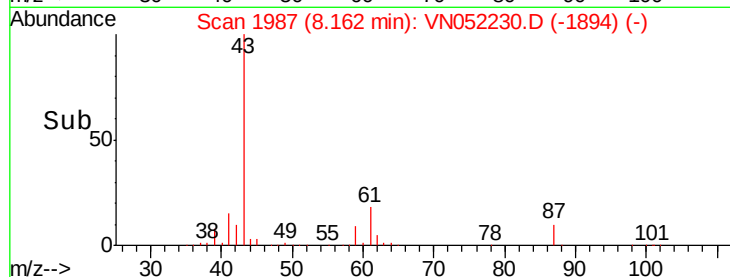
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->



#44

Trichloroethene

Concen: 48.759 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052230.D

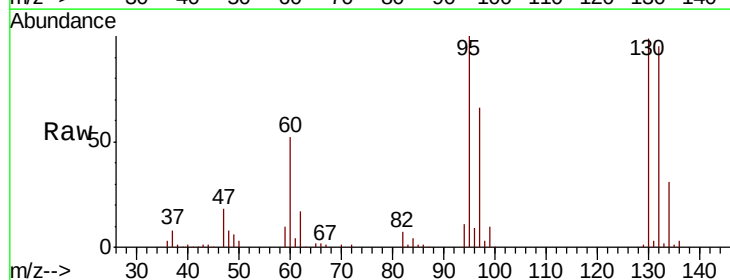
Acq: 9 Nov 2018 16:28

Tgt Ion:130 Resp: 170590

Ion Ratio Lower Upper

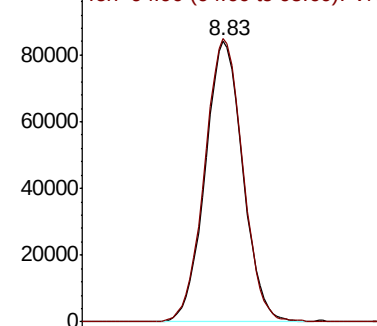
130 100

95 100.8 0.0 201.6

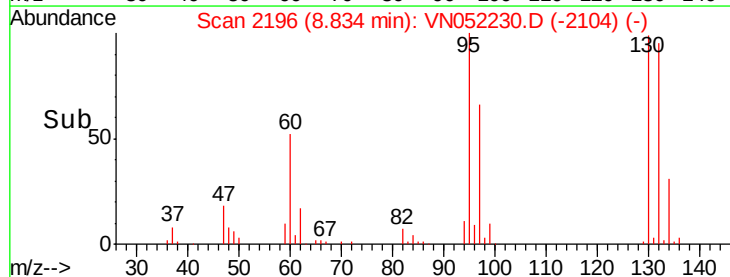


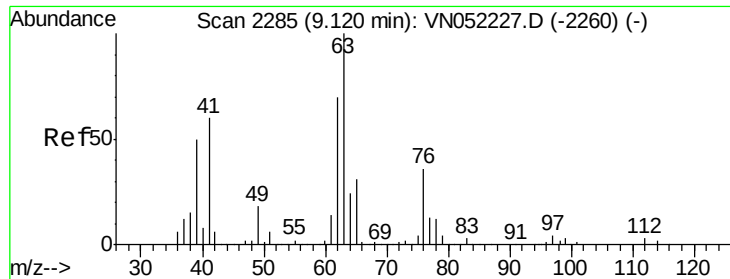
Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



Time-->

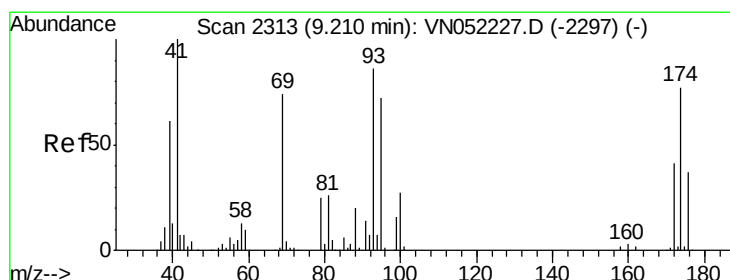
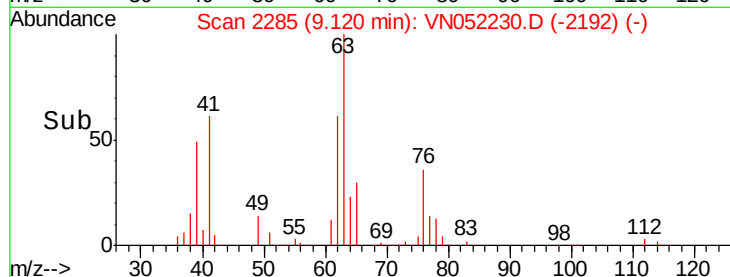
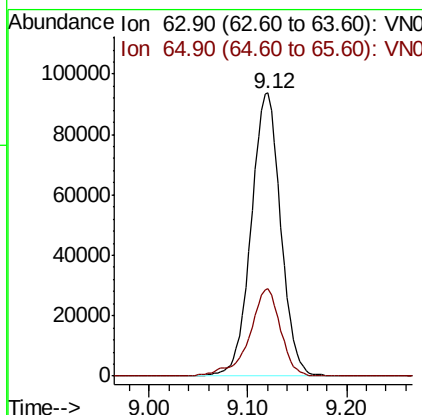
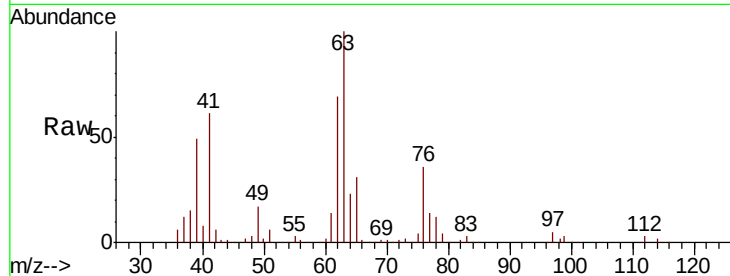




#45
 1,2-Dichloropropane
 Concen: 49.589 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

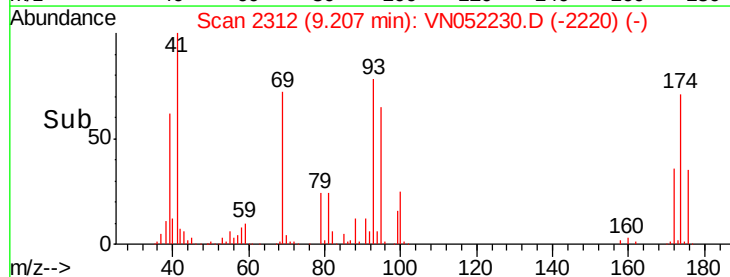
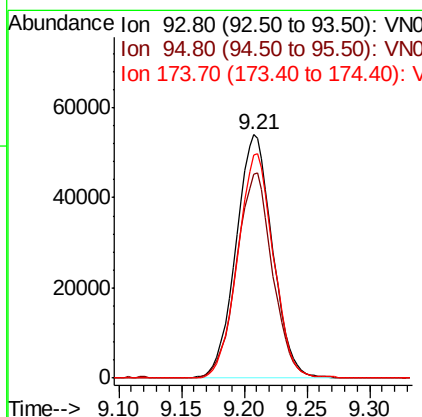
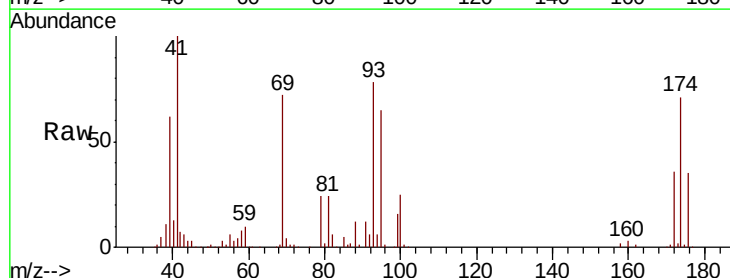
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

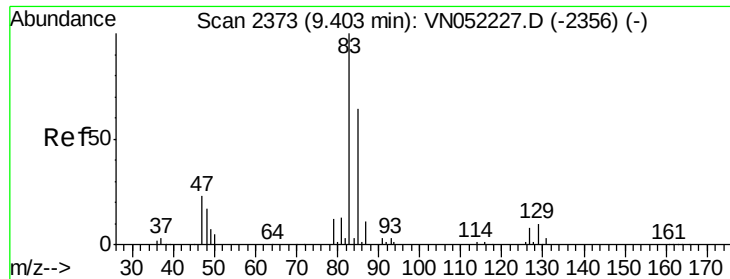
Tot Ion: 63 Resp: 193417
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2



#46
 Dibromomethane
 Concen: 48.730 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion: 93 Resp: 109176
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.4
 174 90.3 72.1 108.1

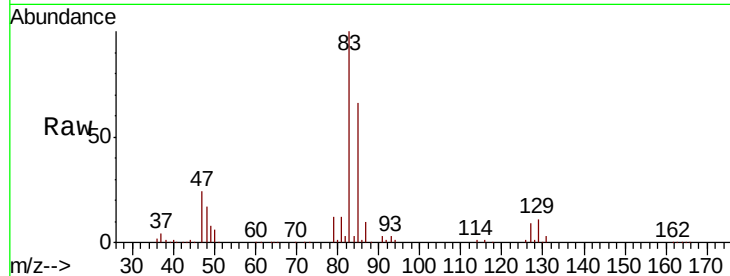




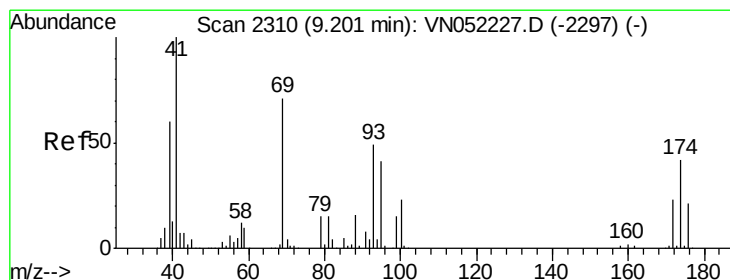
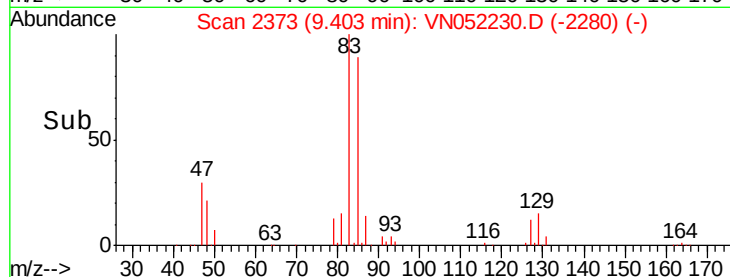
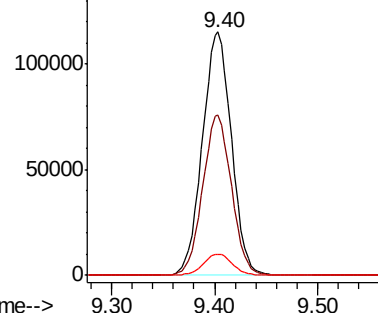
#47
Bromodichloromethane
Concen: 48.700 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion: 83 Resp: 226059
Ion Ratio Lower Upper
83 100
85 65.6 51.2 76.8
127 8.8 6.2 9.4

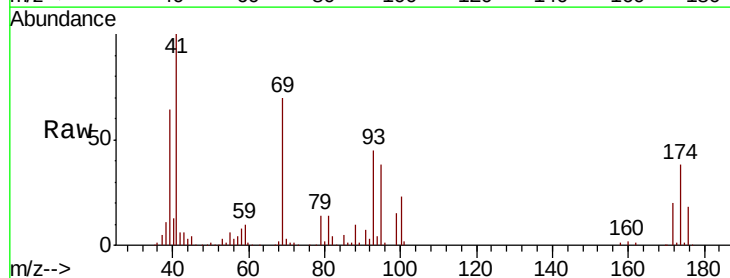


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

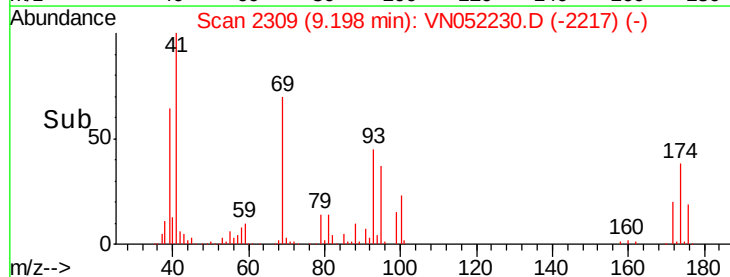
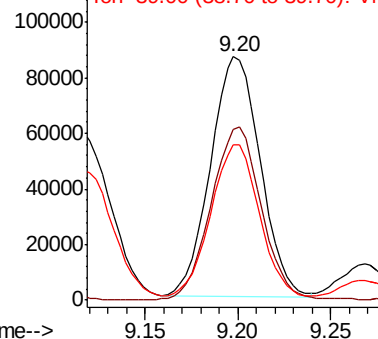


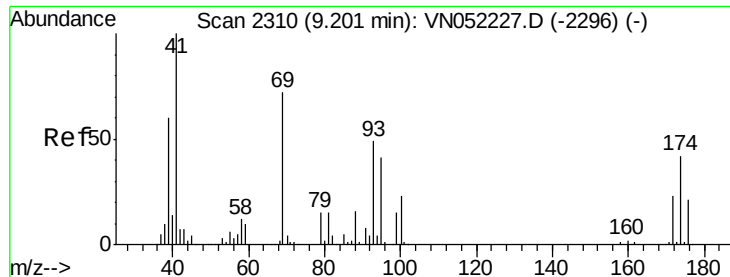
#48
Methyl methacrylate
Concen: 47.672 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 41 Resp: 160580
Ion Ratio Lower Upper
41 100
69 73.2 58.8 88.2
39 61.5 50.7 76.1



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: 719.331 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVFN110918

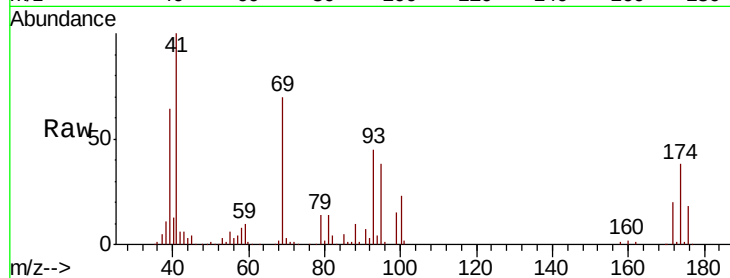
Tot Ion: 88 Resp: 19478

Ion Ratio Lower Upper

88 100

43 50.1 32.5 48.7#

58 76.8 58.2 87.4

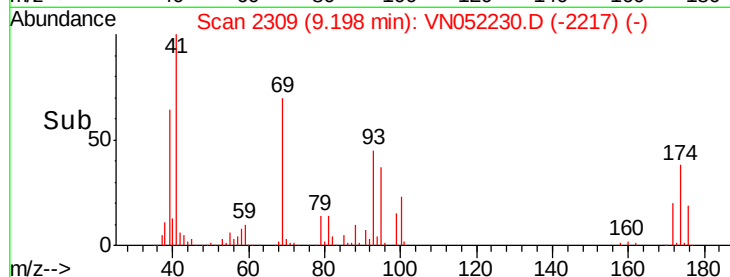


Abundance Ion 88.00 (87.70 to 88.70): VN052227.D (-2296) (-)

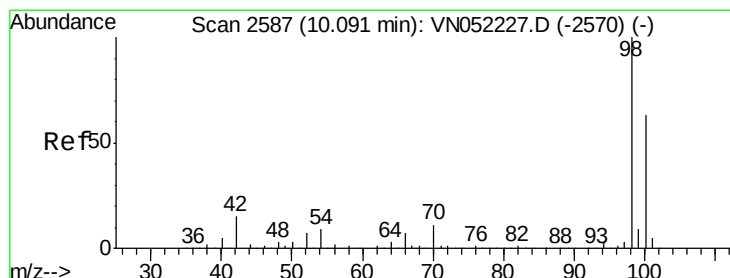
Ion 43.00 (42.70 to 43.70): VN052227.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2296) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 719.331 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052230.D

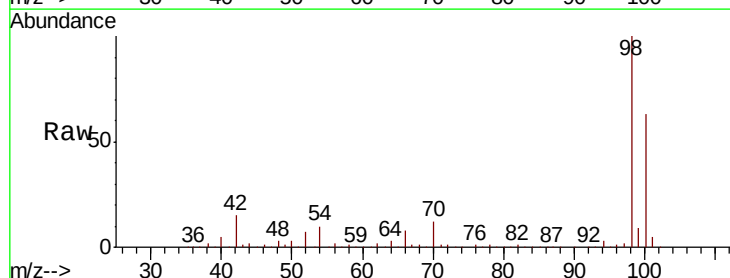
Acq: 9 Nov 2018 16:28

Tgt Ion: 98 Resp: 624008

Ion Ratio Lower Upper

98 100

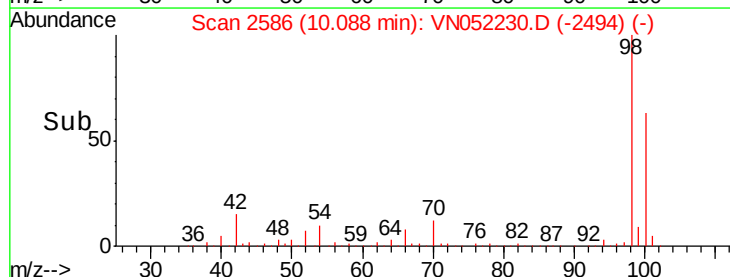
100 62.6 50.2 75.2



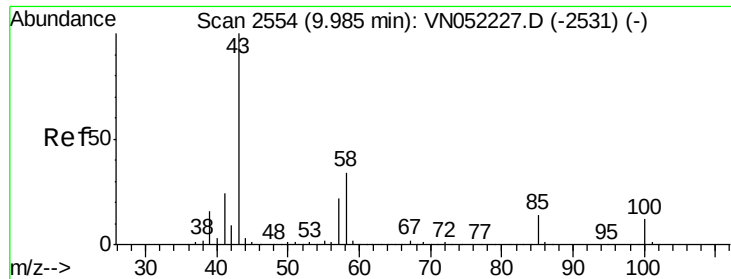
Abundance Ion 98.00 (97.70 to 98.70): VN052227.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052227.D (-2570) (-)

Time-->



Time-->



#51

4-Methyl-2-Pentanone

Concen: 236.183 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

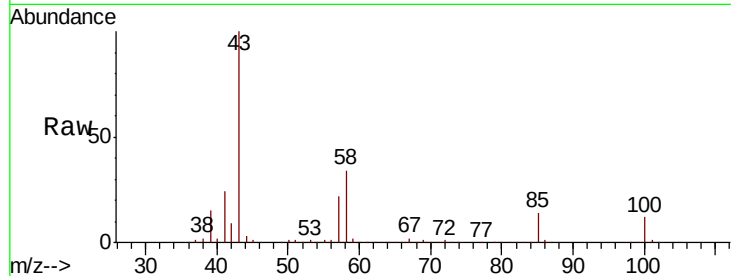
ICVVN110918

Tot Ion: 43 Resp: 833843

Ion Ratio Lower Upper

43 100

58 34.7 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

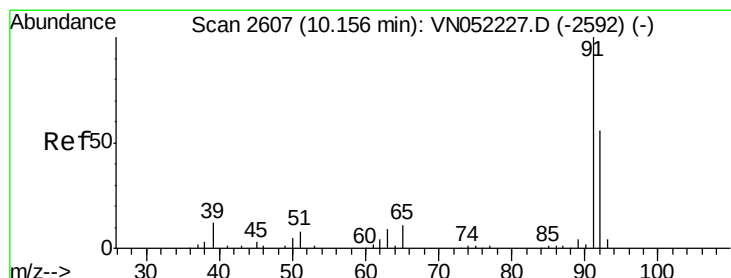
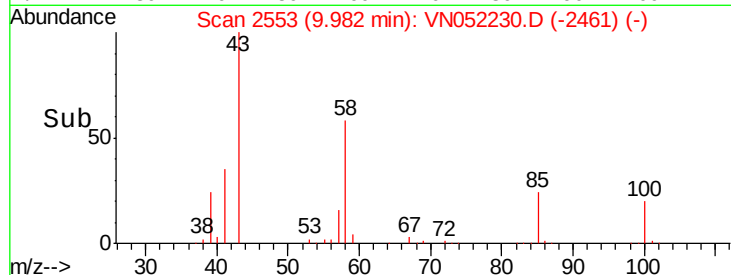
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.006 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052230.D

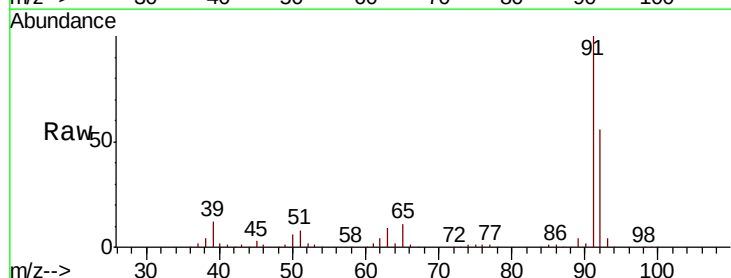
Acq: 9 Nov 2018 16:28

Tgt Ion: 92 Resp: 421154

Ion Ratio Lower Upper

92 100

91 178.1 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

400000

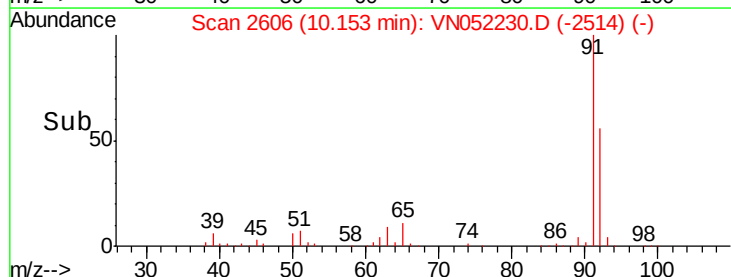
300000

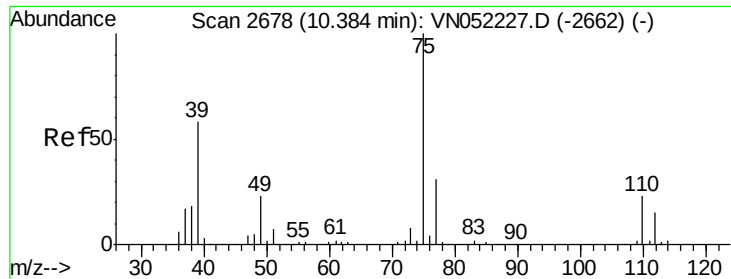
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.971 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

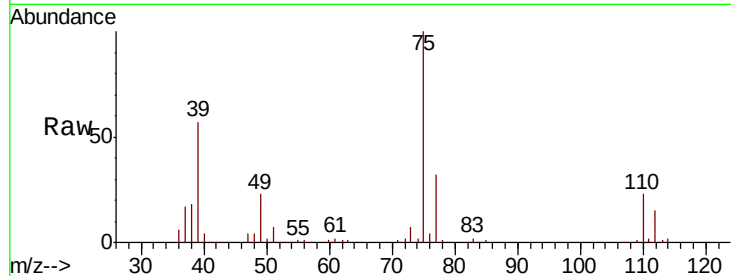
ICVNN110918

Tot Ion: 75 Resp: 238059

Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

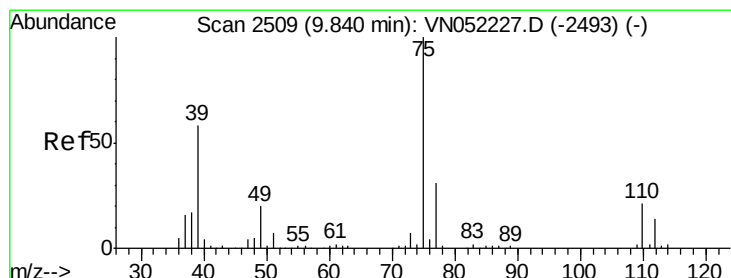
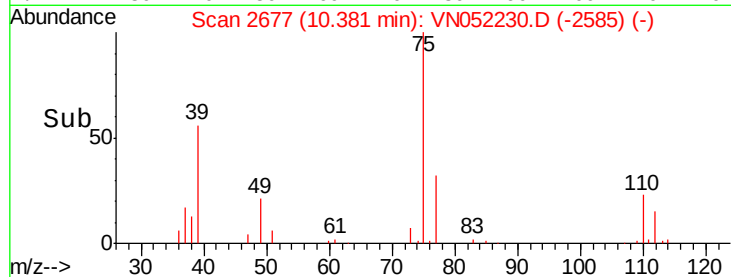
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.916 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

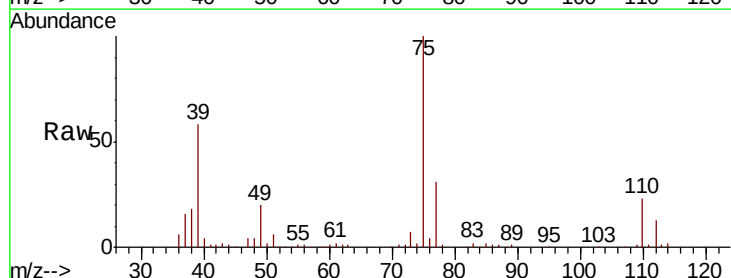
Tgt Ion: 75 Resp: 280726

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

39 58.1 46.6 70.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

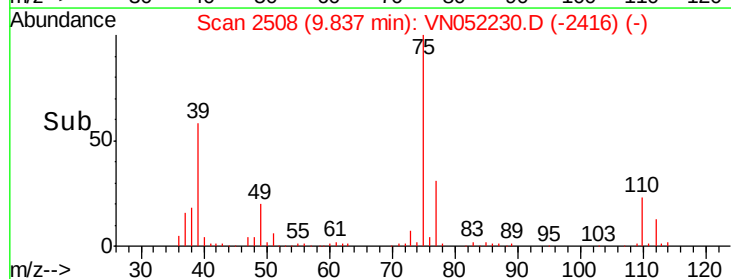
150000

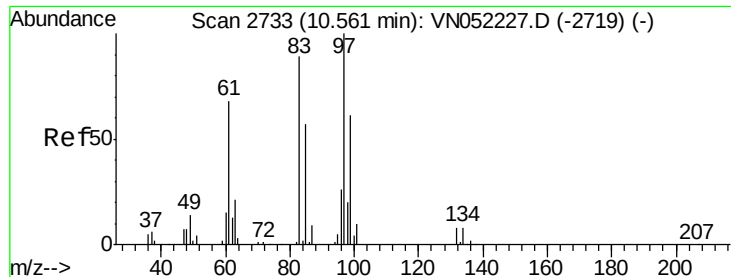
100000

50000

0

Time-->

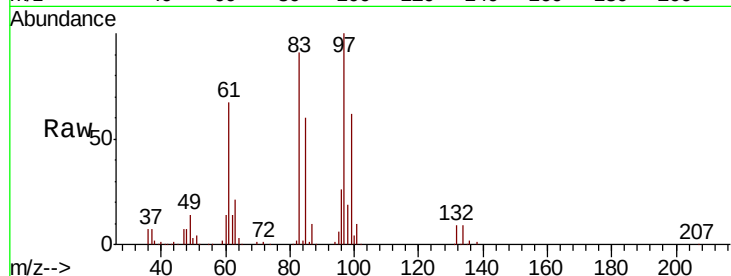




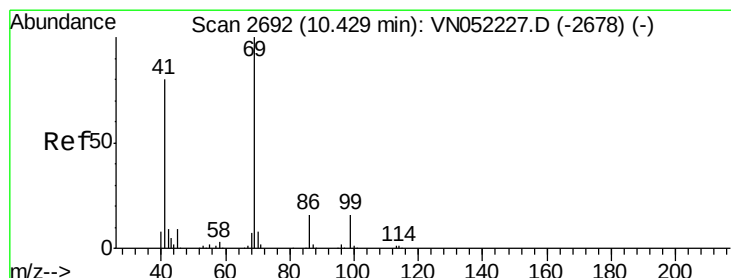
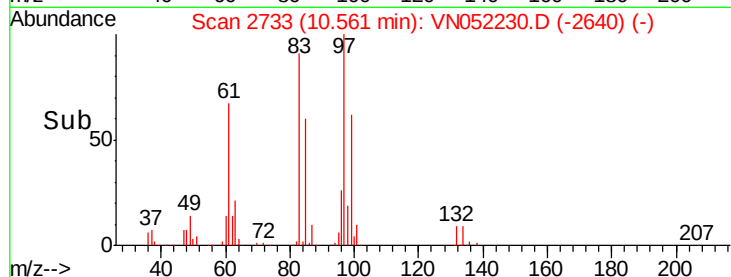
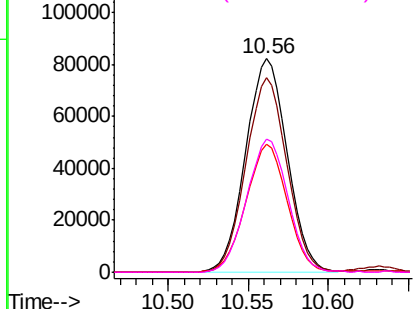
#55
 1,1,2-Trichloroethane
 Concen: 48.167 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion: 97 Resp: 146625
 Ion Ratio Lower Upper
 97 100
 83 90.8 71.2 106.8
 85 60.1 45.6 68.4
 99 62.4 49.1 73.7

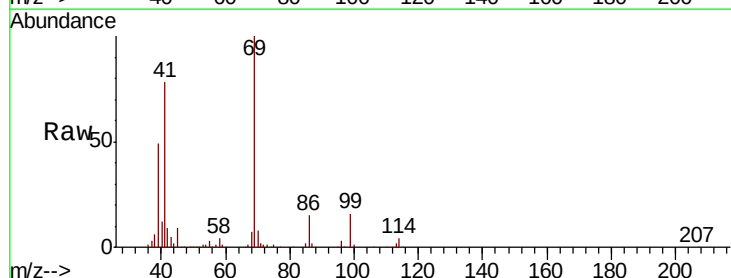


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

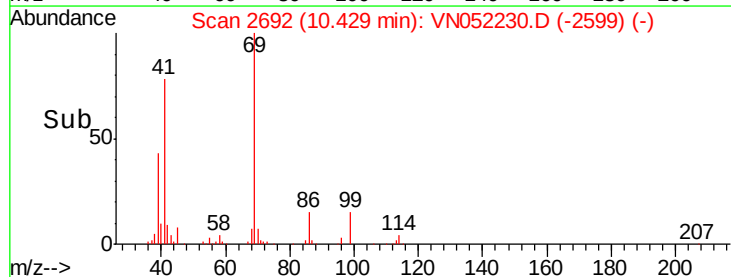
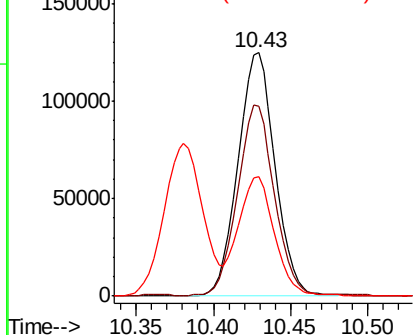


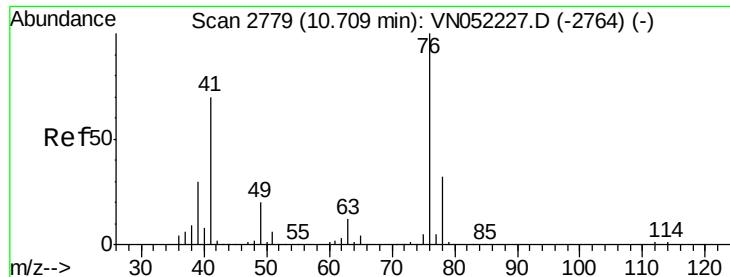
#56
 Ethyl methacrylate
 Concen: 50.423 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion: 69 Resp: 207446
 Ion Ratio Lower Upper
 69 100
 41 77.3 64.0 96.0
 39 47.4 37.8 56.8



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





#57

1,3-Dichloropropane

Concen: 48.555 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

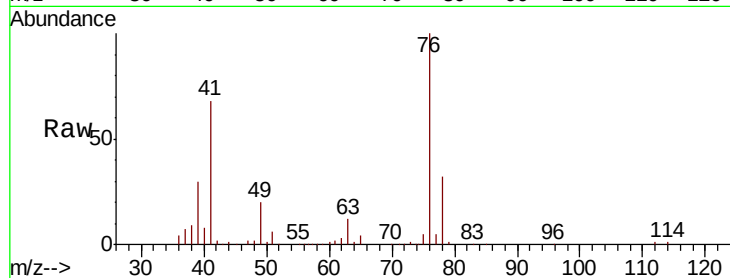
ICVFN110918

Tot Ion: 76 Resp: 264592

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

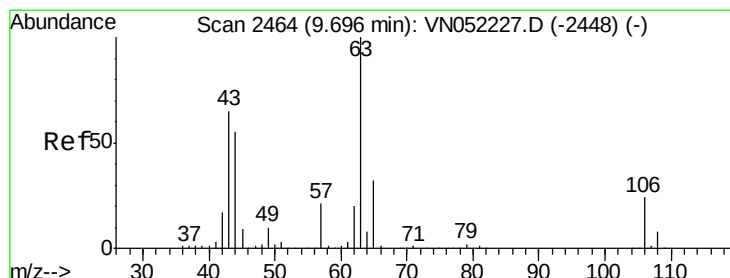
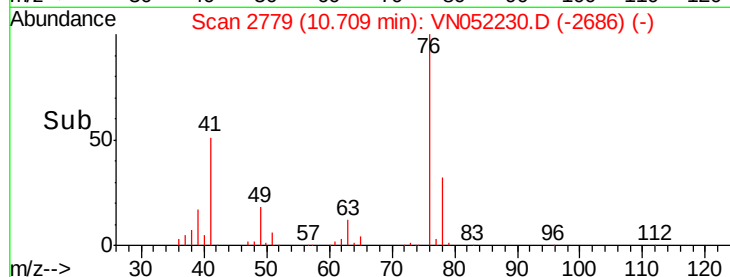
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 258.704 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052230.D

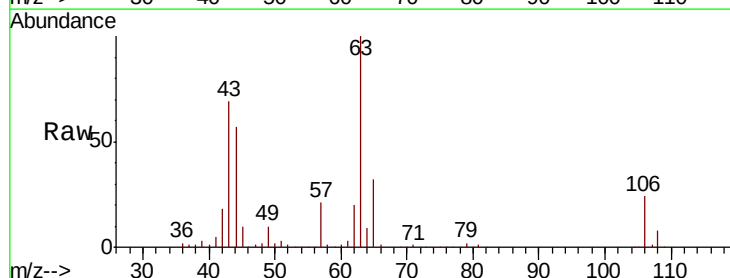
Acq: 9 Nov 2018 16:28

Tgt Ion: 63 Resp: 589341

Ion Ratio Lower Upper

63 100

106 24.2 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

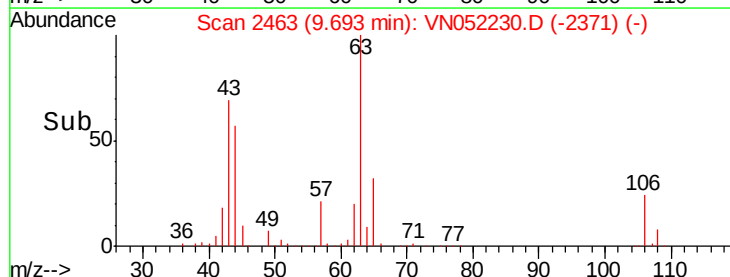
300000

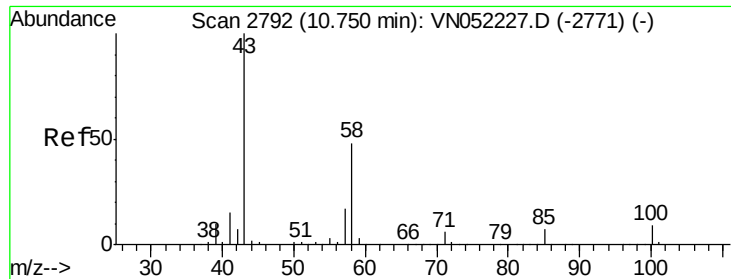
200000

100000

0

Time-->

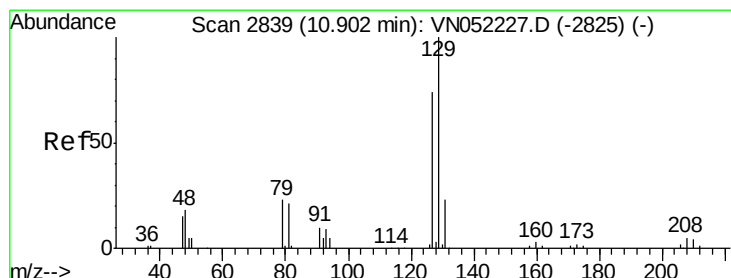
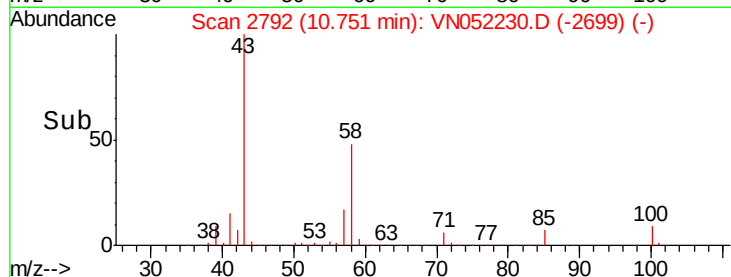
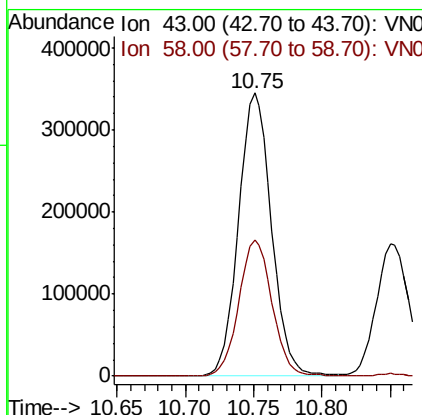
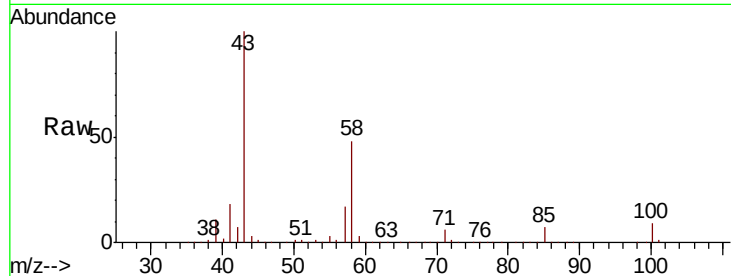




#59
2-Hexanone
Concen: 232.677 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

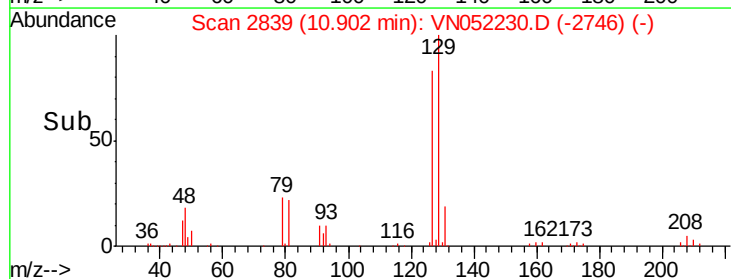
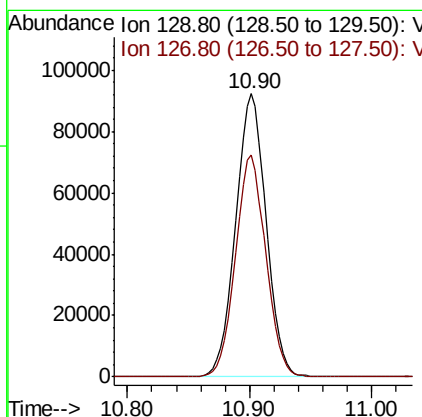
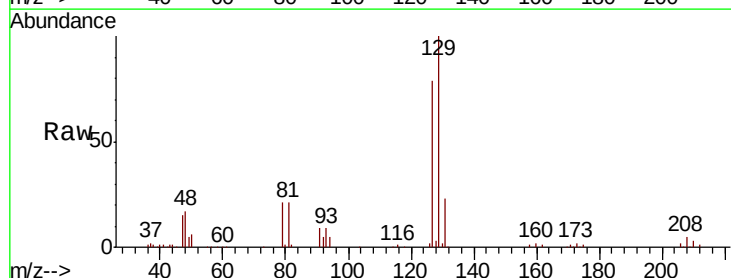
Instrument :
MSVOA_N
ClientSampleId :
ICVNN110918

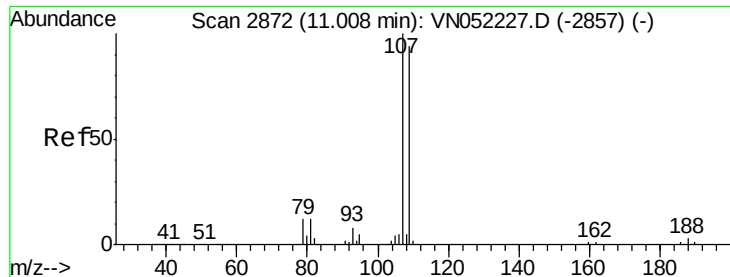
Tot Ion: 43 Resp: 576669
Ion Ratio Lower Upper
43 100
58 48.8 24.1 72.3



#60
Dibromochloromethane
Concen: 51.532 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 129 Resp: 159116
Ion Ratio Lower Upper
129 100
127 78.2 38.0 114.1

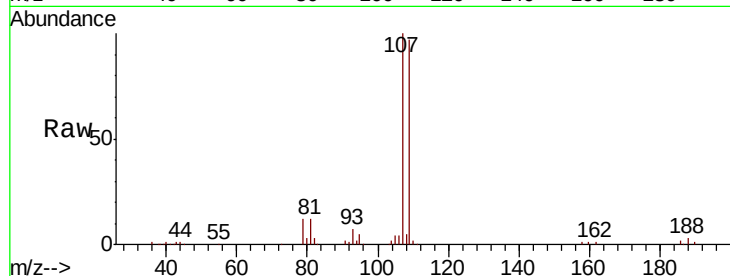




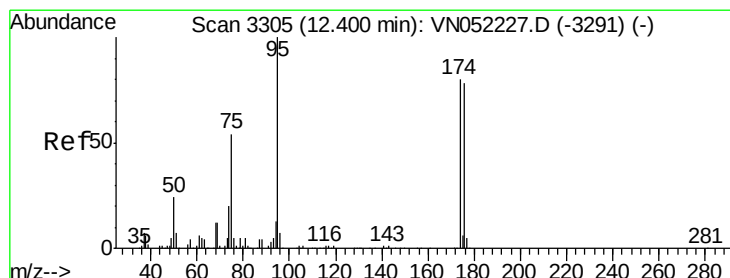
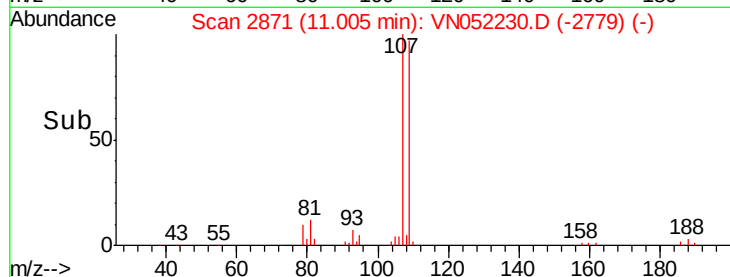
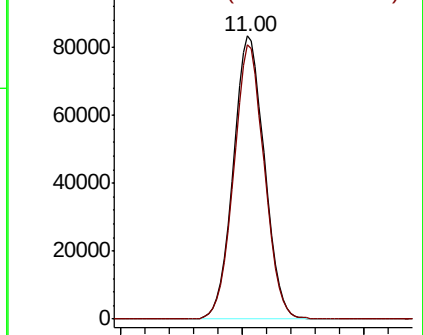
#61
 1,2-Dibromoethane
 Concen: 49.208 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion:107 Resp: 147217
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.8 113.6

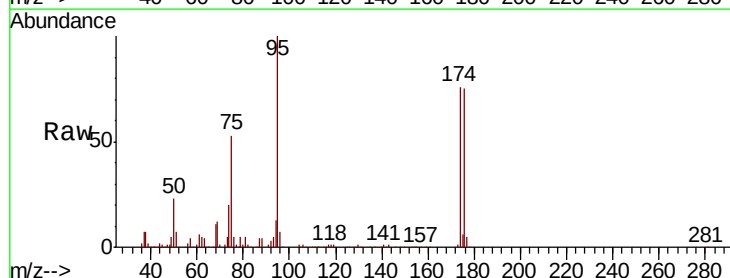


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

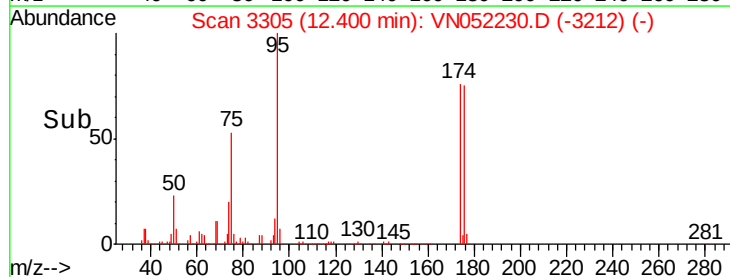
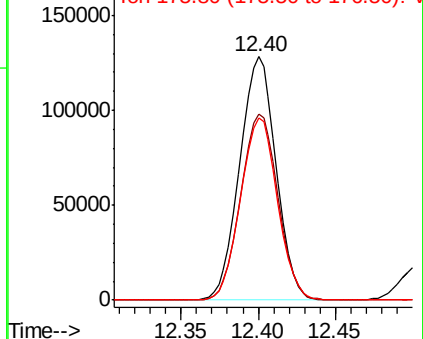


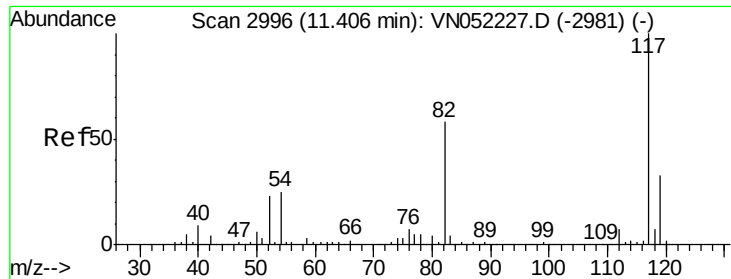
#62
 4-Bromofluorobenzene
 Concen: 49.208 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion: 95 Resp: 209979
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 159.4
 176 76.1 0.0 157.8



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

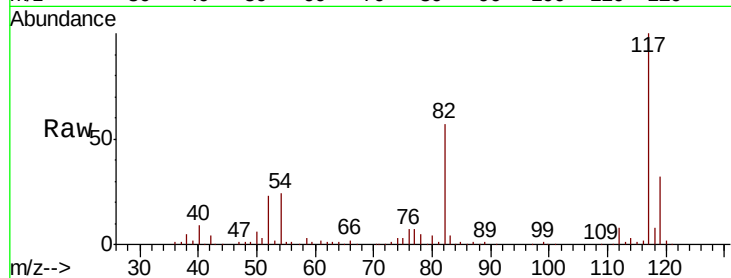




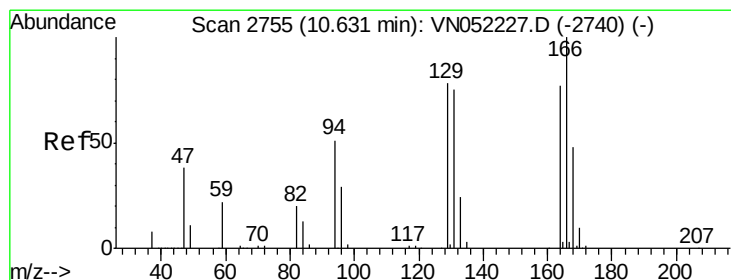
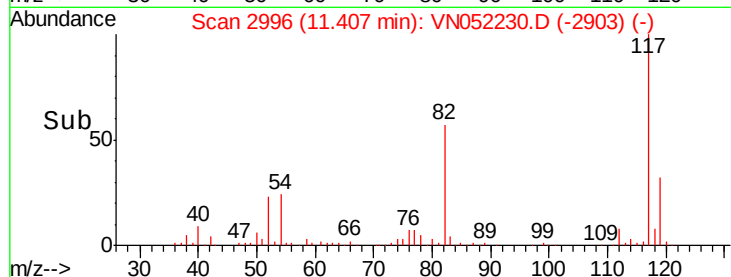
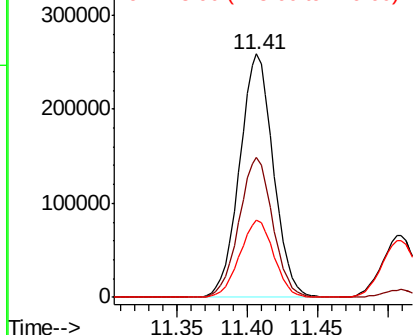
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

Tot Ion:117 Resp: 433202
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.2
119 31.6 26.2 39.4

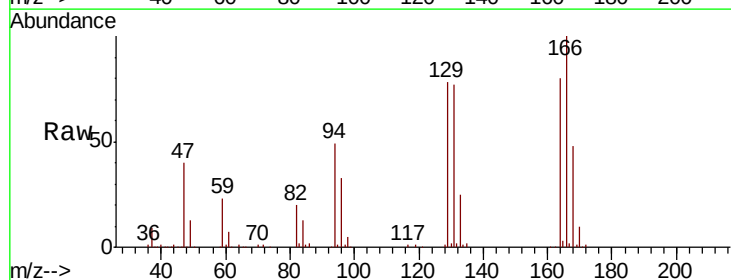


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

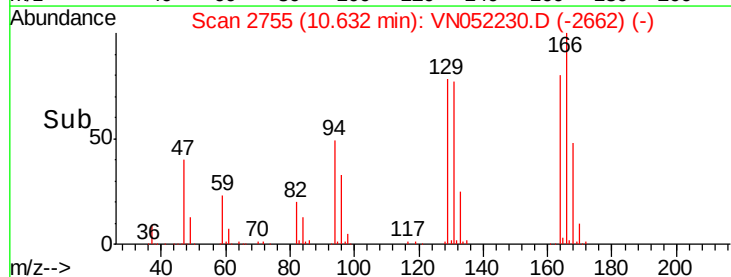
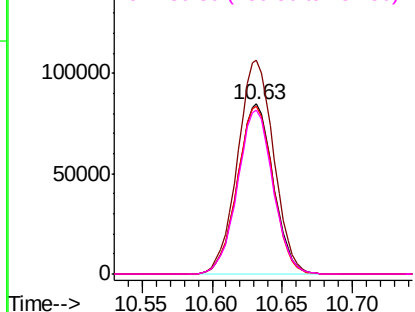


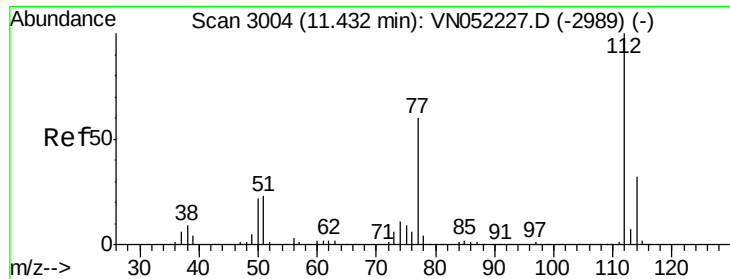
#64
Tetrachloroethene
Concen: 49.634 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion:164 Resp: 150542
Ion Ratio Lower Upper
164 100
166 125.8 103.6 155.4
129 98.4 81.0 121.6
131 96.7 77.9 116.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.031 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

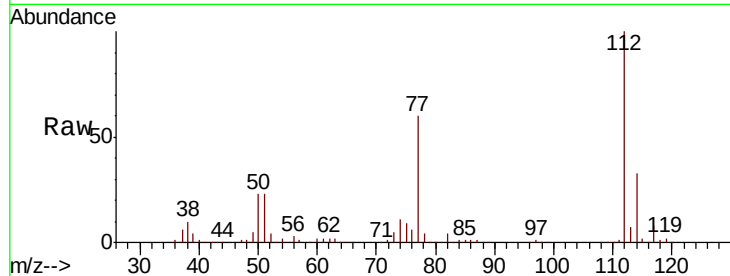
ICVNN110918

Tot Ion:112 Resp: 459244

Ion Ratio Lower Upper

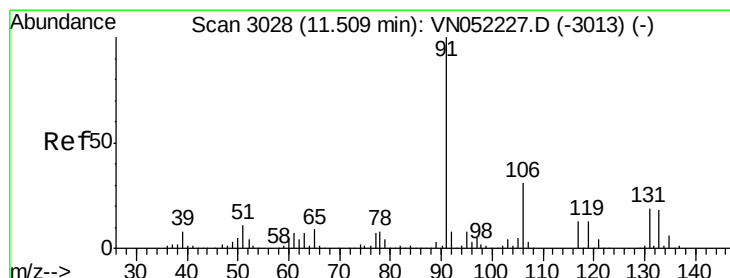
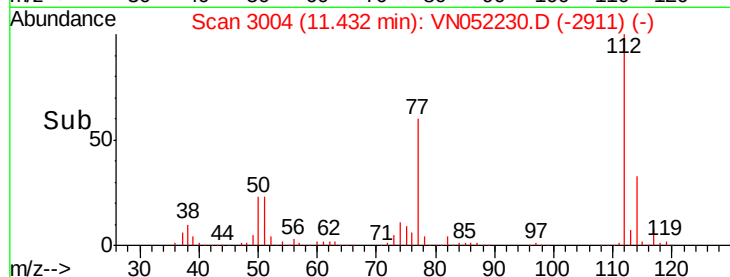
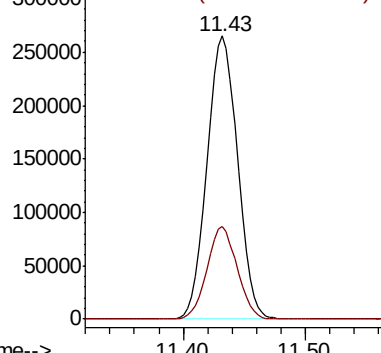
112 100

114 32.6 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.727 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

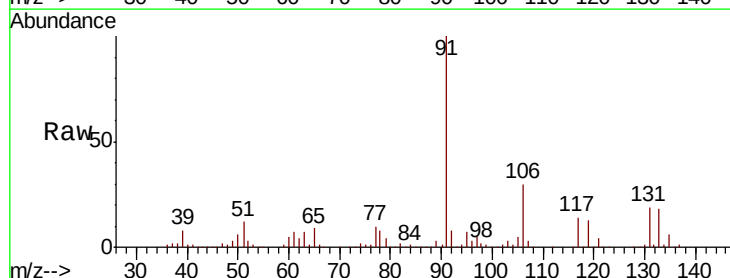
Tgt Ion:131 Resp: 157728

Ion Ratio Lower Upper

131 100

133 95.4 48.3 144.9

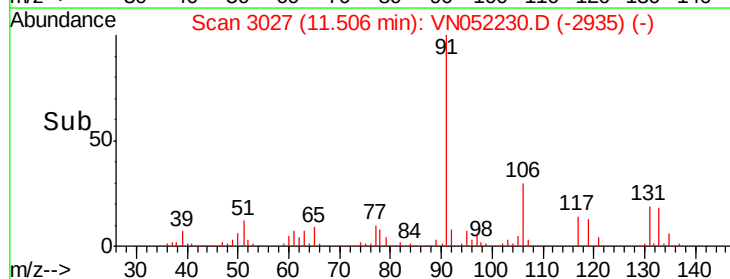
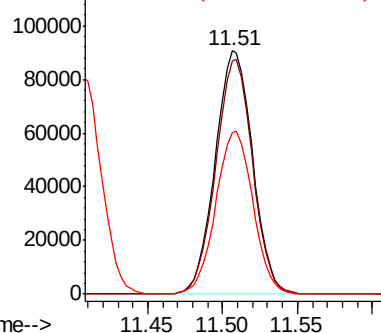
119 66.6 34.6 103.9

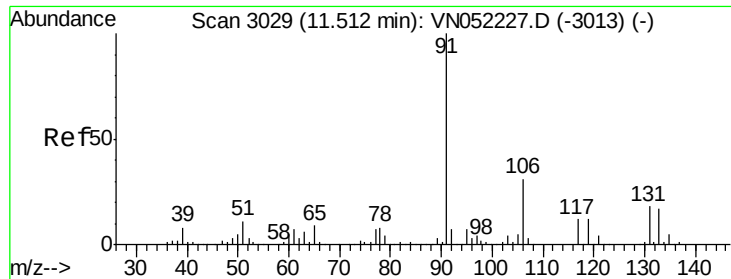


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

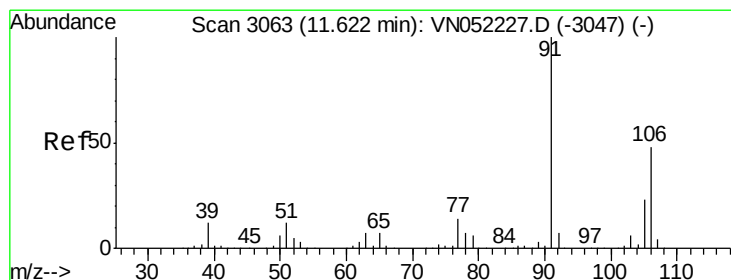
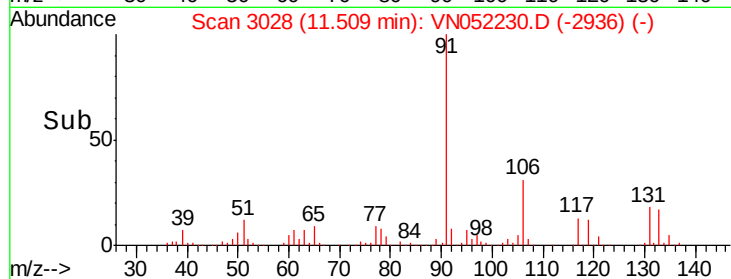
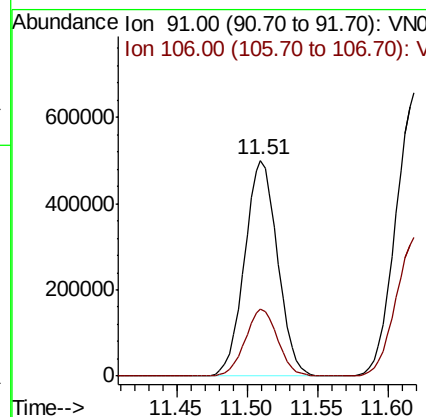
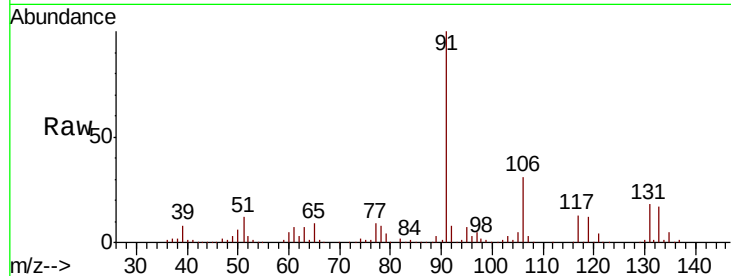




#67
Ethyl Benzene
Concen: 50.732 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

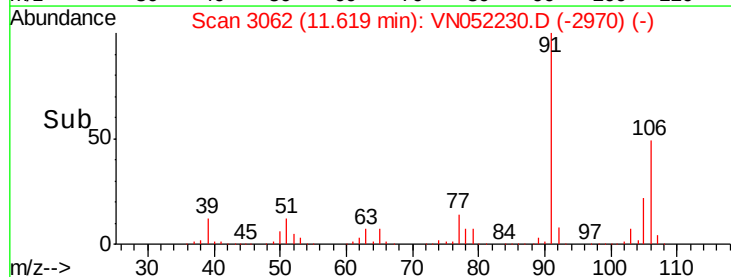
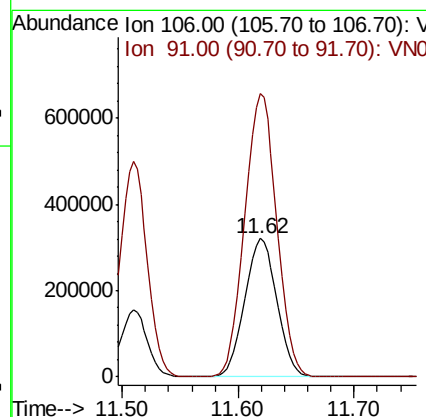
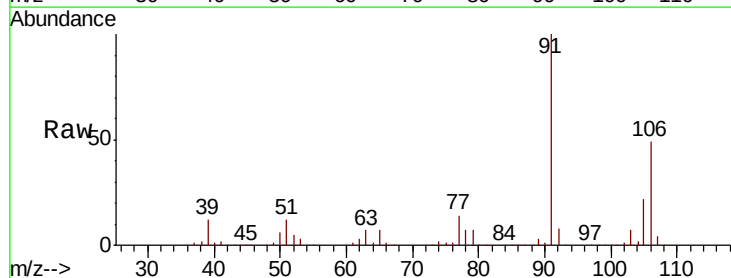
Instrument :
MSVOA_N
ClientSampleId :
ICVVN110918

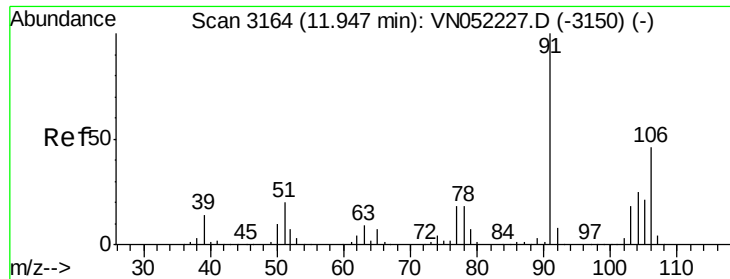
Tot Ion: 91 Resp: 819100
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 102.457 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion: 106 Resp: 616058
Ion Ratio Lower Upper
106 100
91 204.3 165.7 248.5

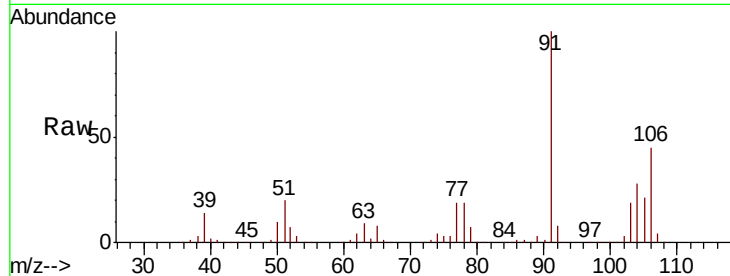




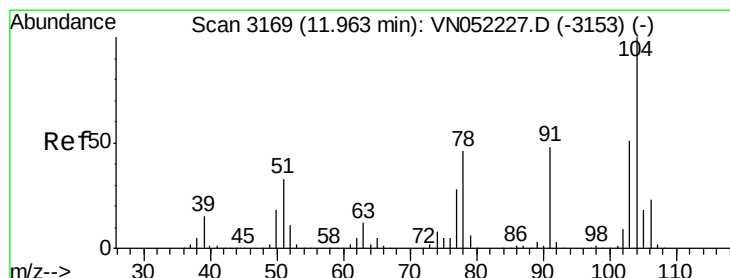
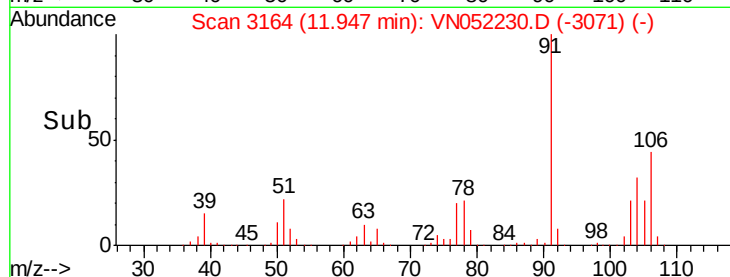
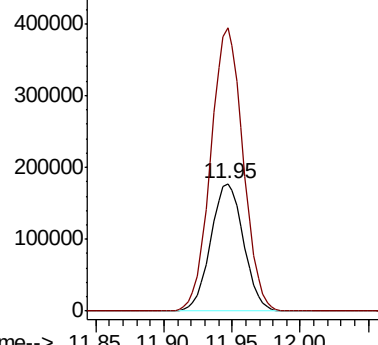
#69
o-Xylene
Concen: 51.640 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Instrument :
MSVOA_N
ClientSampled :
ICVVN110918

Tot Ion:106 Resp: 296649
Ion Ratio Lower Upper
106 100
91 218.1 108.5 325.5

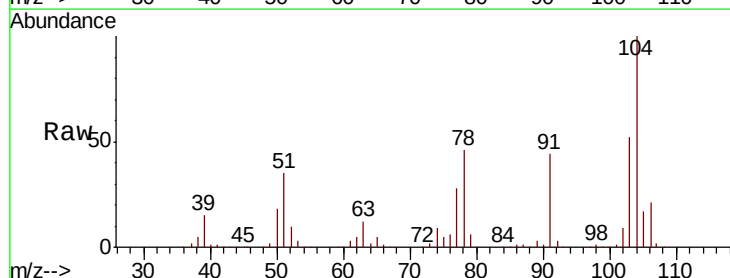


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

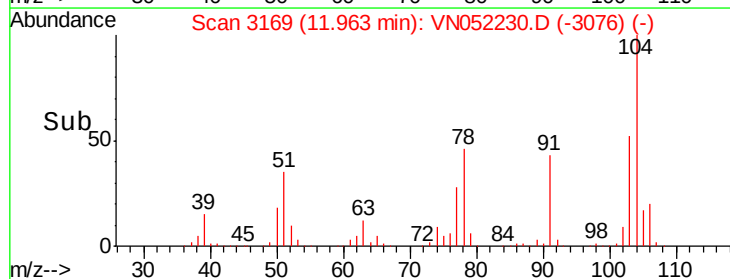
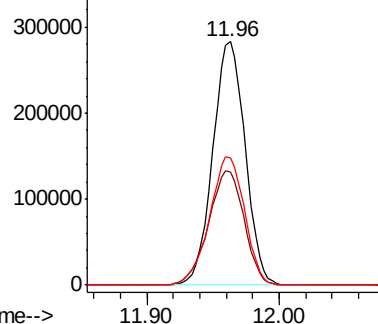


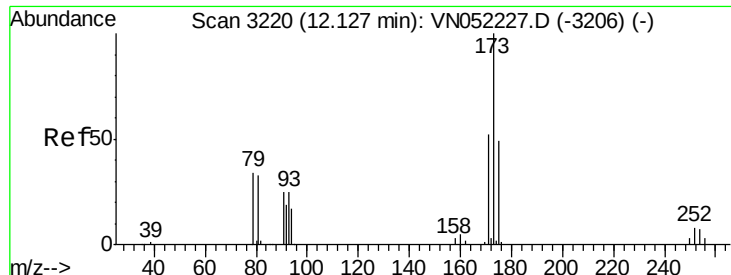
#70
Styrene
Concen: 51.798 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052230.D
Acq: 9 Nov 2018 16:28

Tgt Ion:104 Resp: 480739
Ion Ratio Lower Upper
104 100
78 51.8 41.8 62.6
103 57.0 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.173 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVFN110918

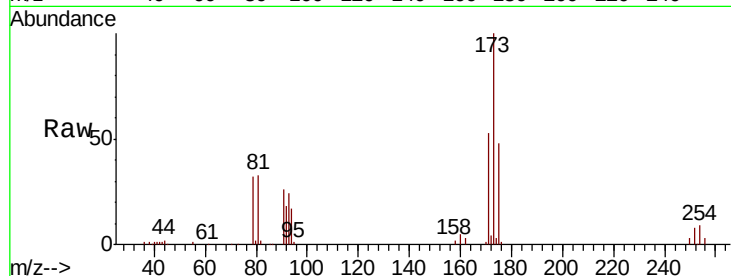
Tot Ion:173 Resp: 94922

Ion Ratio Lower Upper

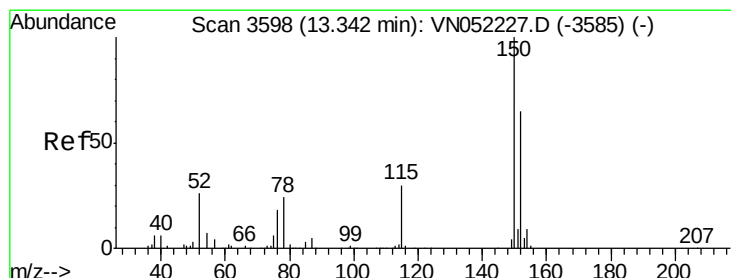
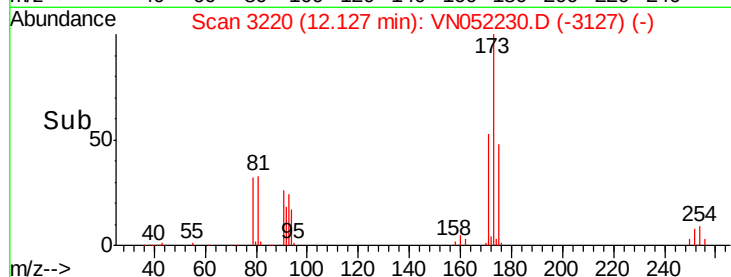
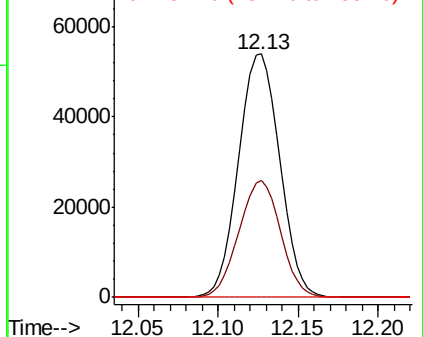
173 100

175 48.4 24.5 73.5

254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

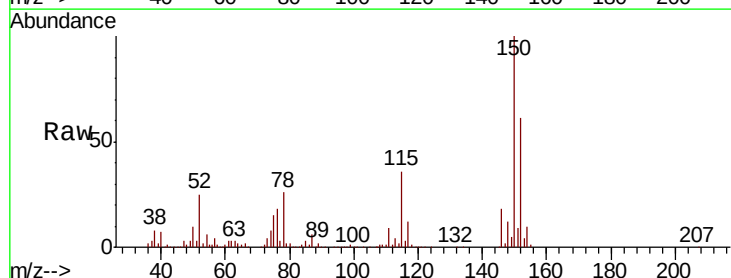
Tgt Ion:152 Resp: 199154

Ion Ratio Lower Upper

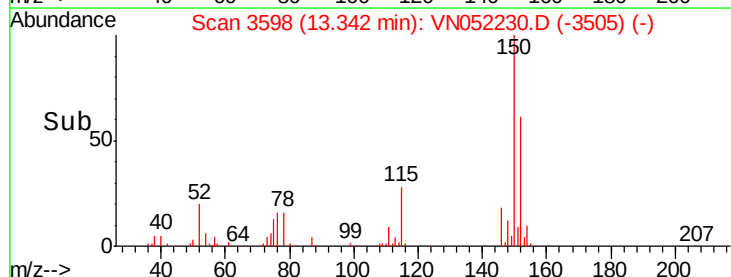
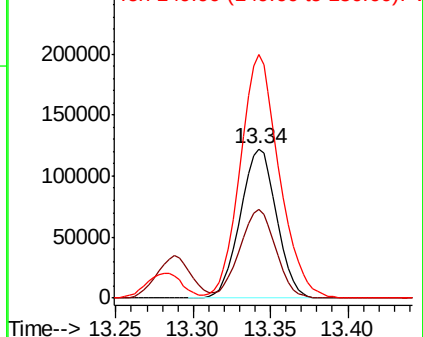
152 100

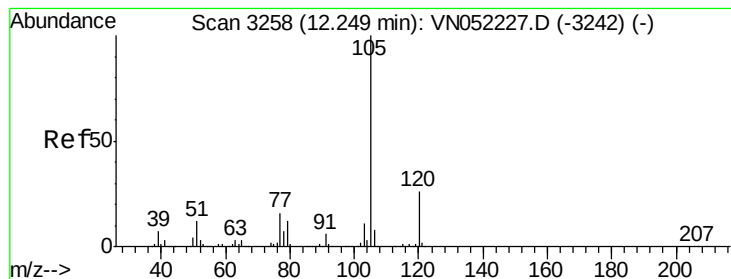
115 58.8 29.8 89.5

150 175.5 0.0 350.2



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: 49.497 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

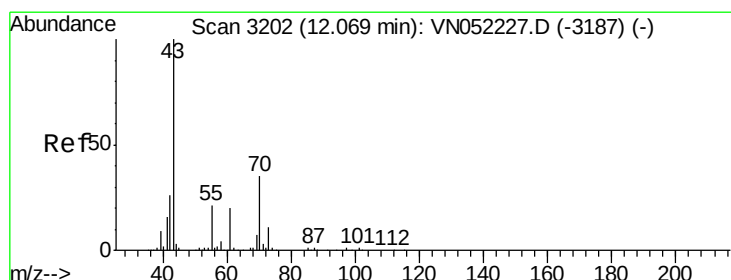
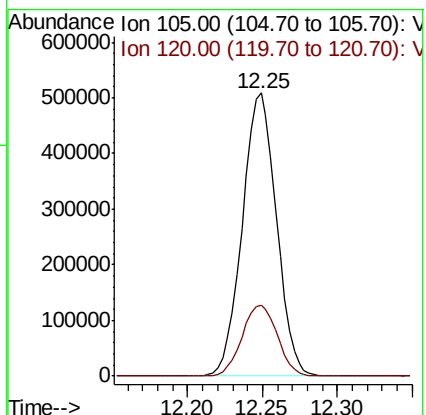
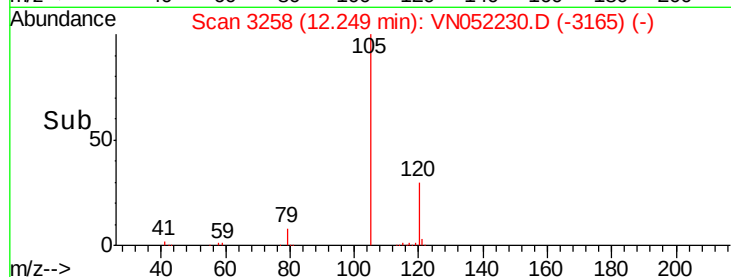
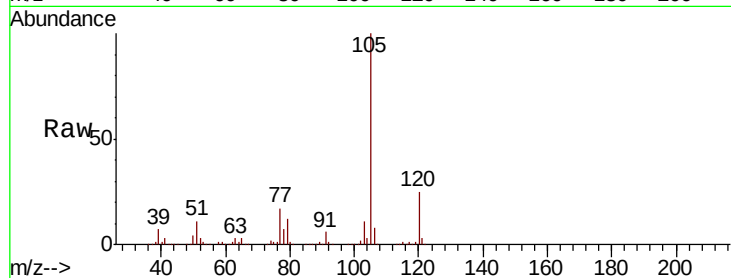
ICVVN110918

Tot Ion:105 Resp: 805812

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#74

N-ethyl acetate

Concen: 49.338 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Tgt Ion: 43 Resp: 291607

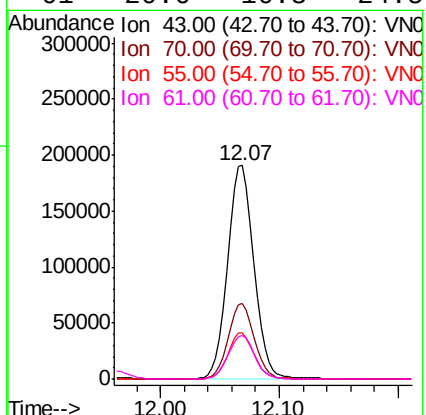
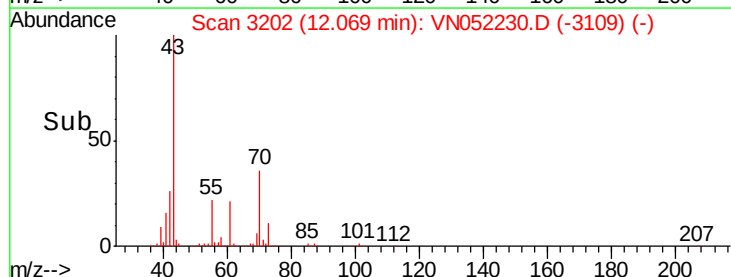
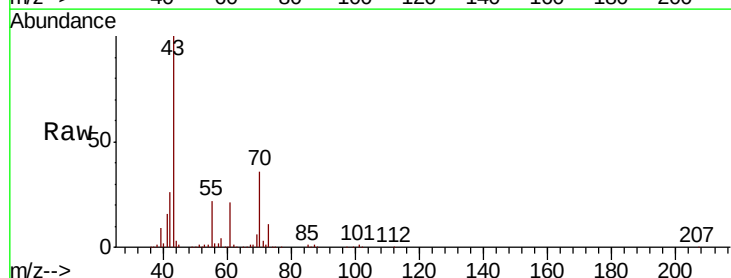
Ion Ratio Lower Upper

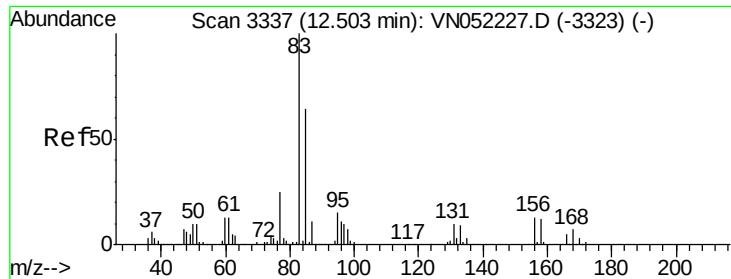
43 100

70 35.1 28.2 42.2

55 21.6 17.4 26.2

61 20.6 16.3 24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 44.898 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampled :

ICVVN110918

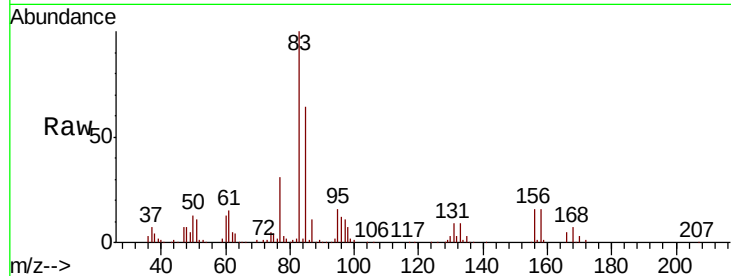
Tot Ion: 83 Resp: 179193

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.2

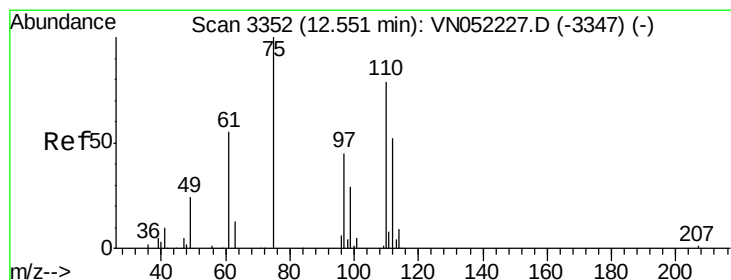
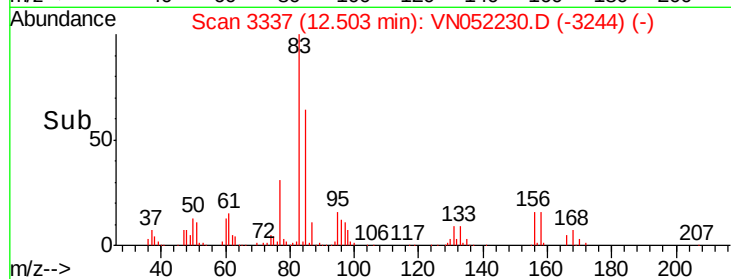
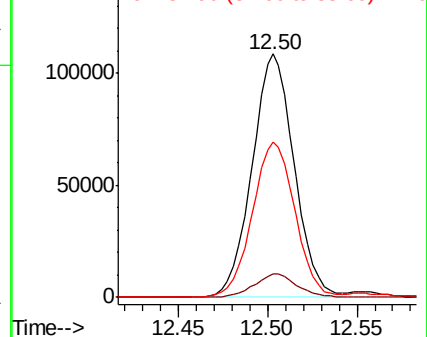
85 64.4 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 67.577 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN052230.D

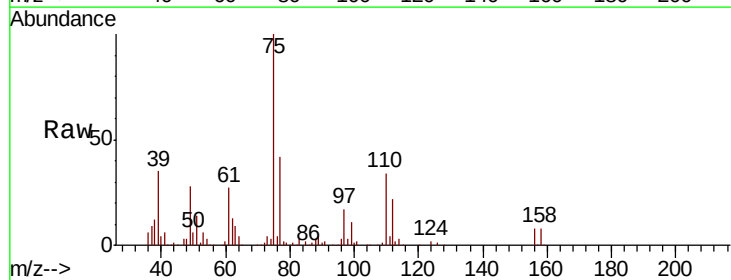
Acq: 9 Nov 2018 16:28

Tgt Ion: 75 Resp: 238113

Ion Ratio Lower Upper

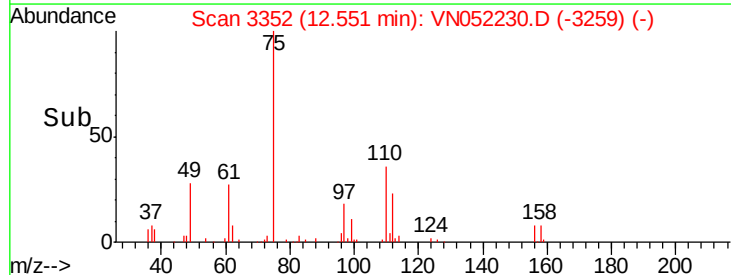
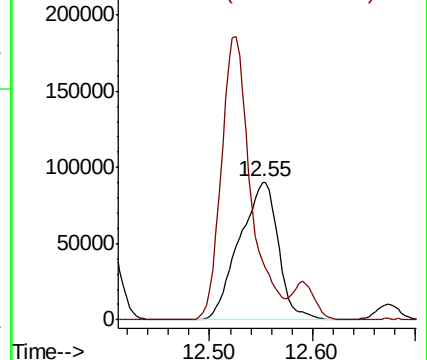
75 100

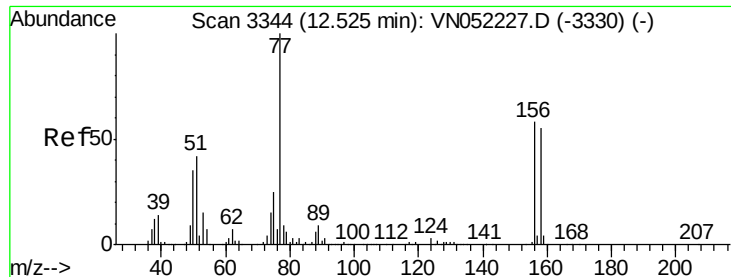
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.894 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

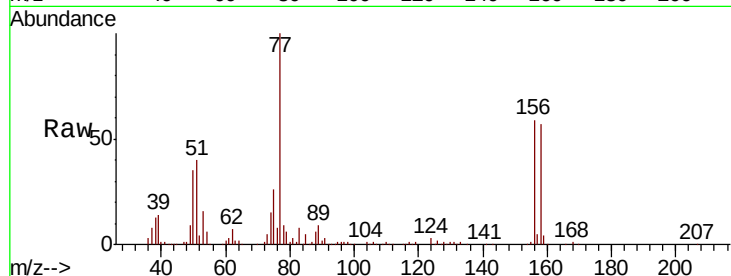
Tot Ion:156 Resp: 186325

Ion Ratio Lower Upper

156 100

77 198.3 101.1 303.3

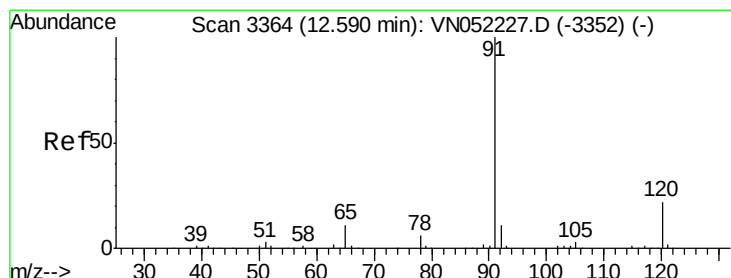
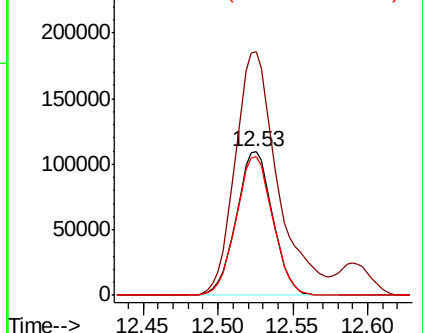
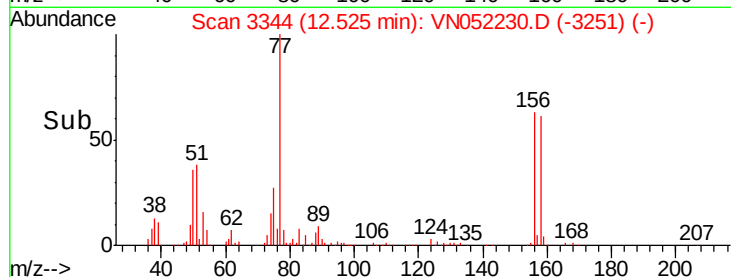
158 97.0 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.851 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052230.D

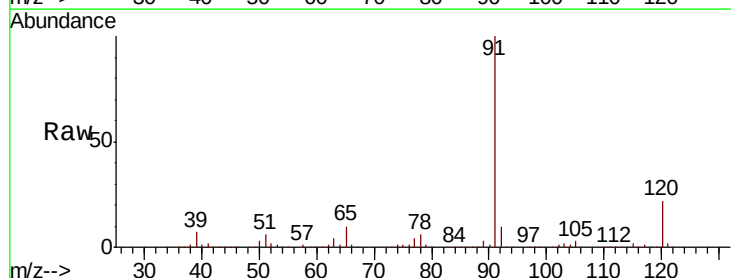
Acq: 9 Nov 2018 16:28

Tgt Ion: 91 Resp: 969589

Ion Ratio Lower Upper

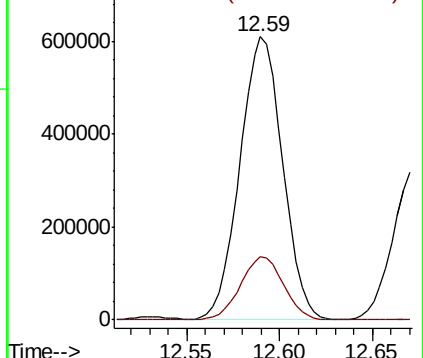
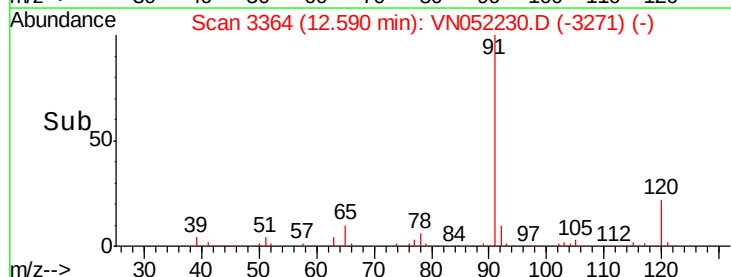
91 100

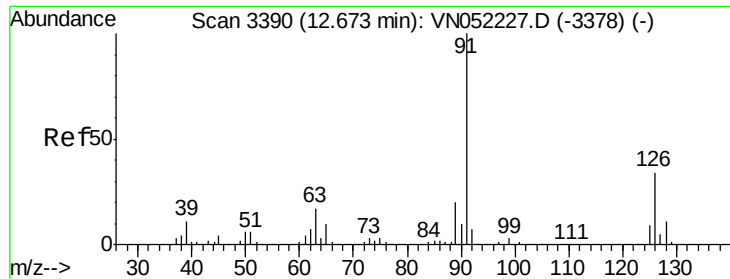
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.098 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

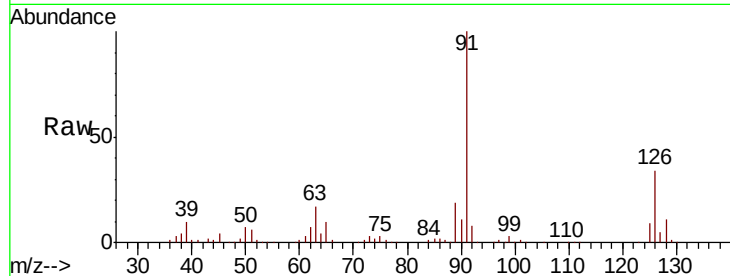
ICVVN110918

Tot Ion: 91 Resp: 542337

Ion Ratio Lower Upper

91 100

126 34.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052227.D (-3378) (-)

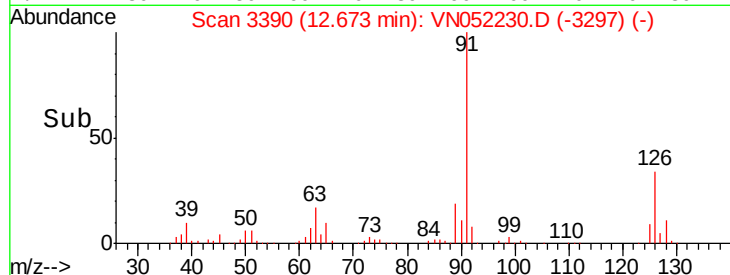
600000

400000

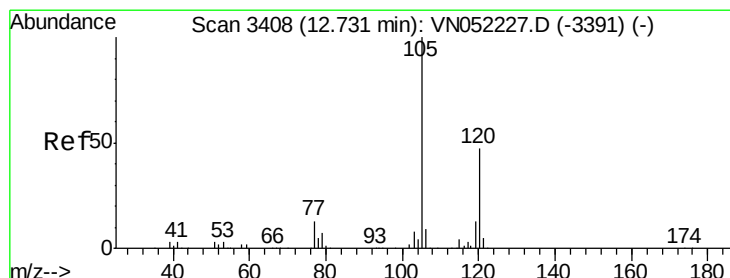
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.926 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052230.D

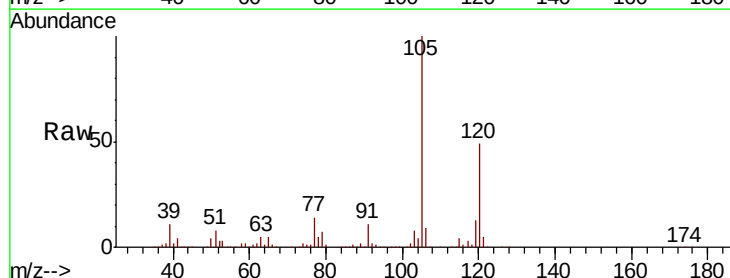
Acq: 9 Nov 2018 16:28

Tgt Ion: 105 Resp: 659347

Ion Ratio Lower Upper

105 100

120 48.2 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052227.D (-3391) (-)

500000

400000

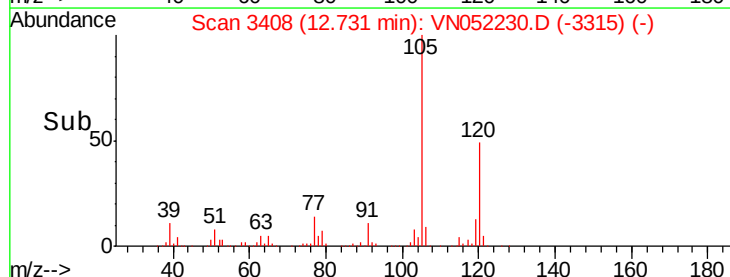
300000

200000

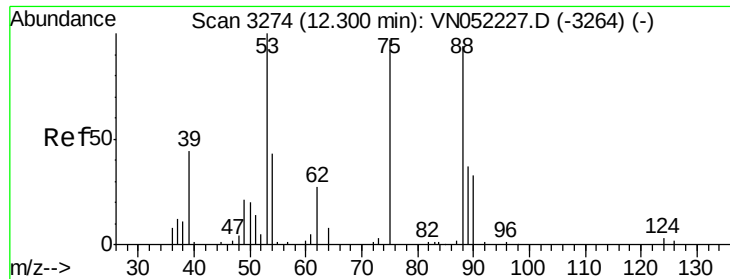
100000

0

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 51.436 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVVN110918

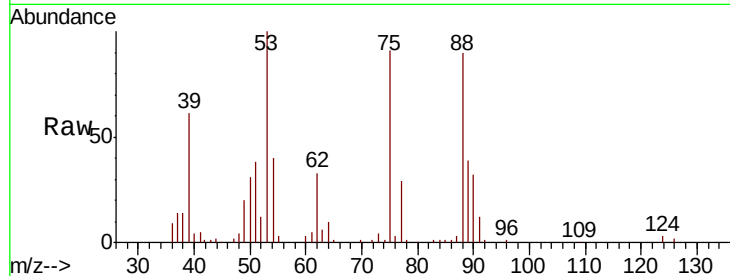
Tot Ion: 75 Resp: 53095

Ion Ratio Lower Upper

75 100

53 107.2 84.0 126.0

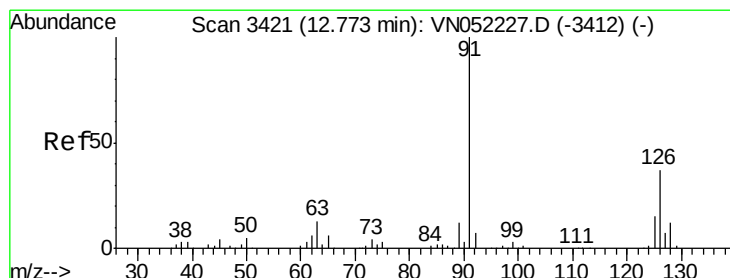
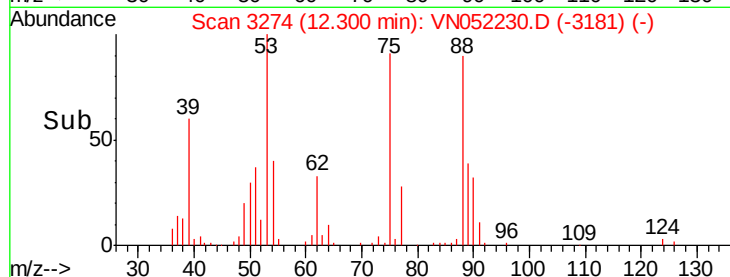
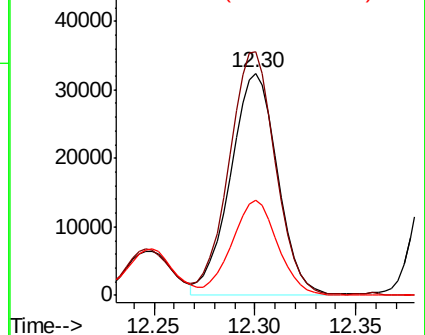
89 41.8 33.7 50.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.421 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052230.D

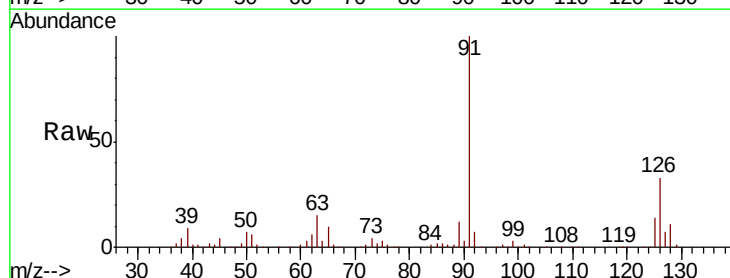
Acq: 9 Nov 2018 16:28

Tgt Ion: 91 Resp: 558844

Ion Ratio Lower Upper

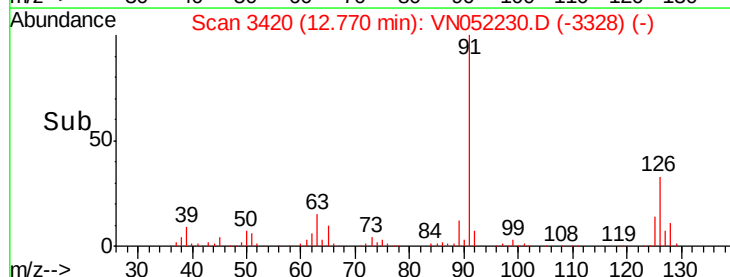
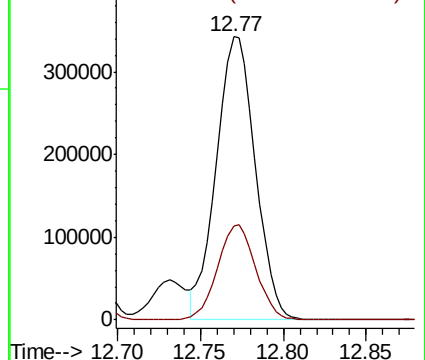
91 100

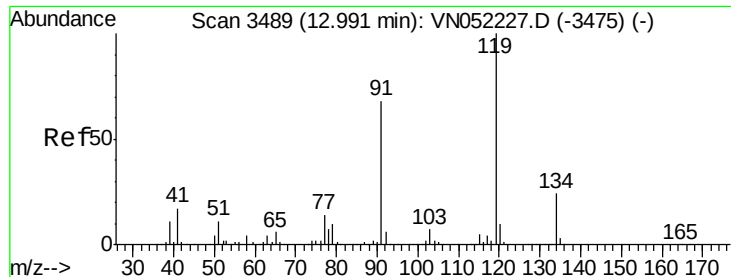
126 32.8 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.665 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVNN110918

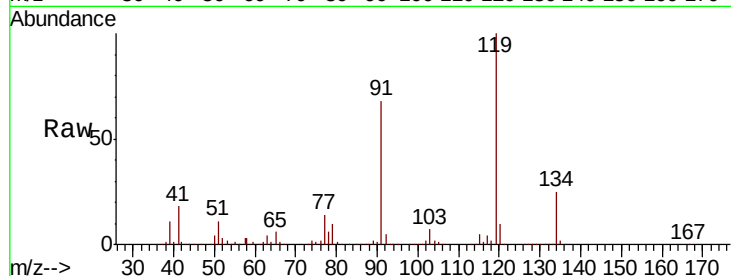
Tot Ion:119 Resp: 572684

Ion Ratio Lower Upper

119 100

91 66.2 33.5 100.4

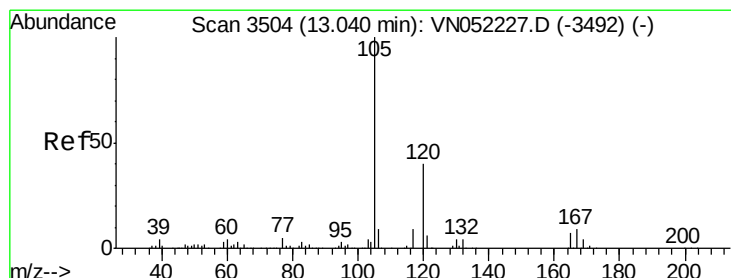
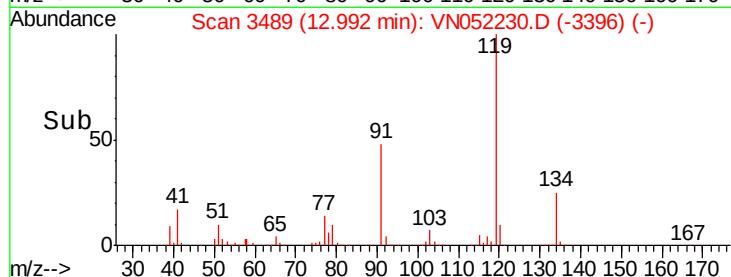
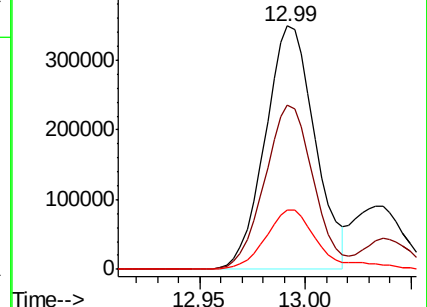
134 26.0 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.455 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN052230.D

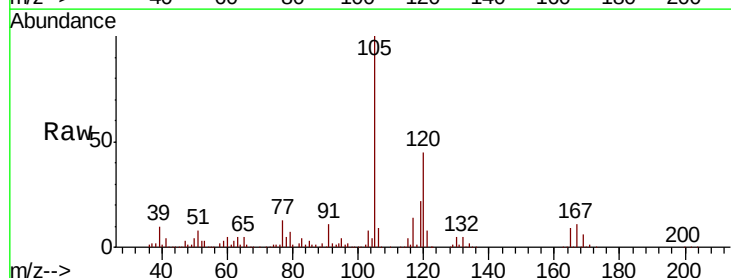
Acq: 9 Nov 2018 16:28

Tgt Ion:105 Resp: 671710

Ion Ratio Lower Upper

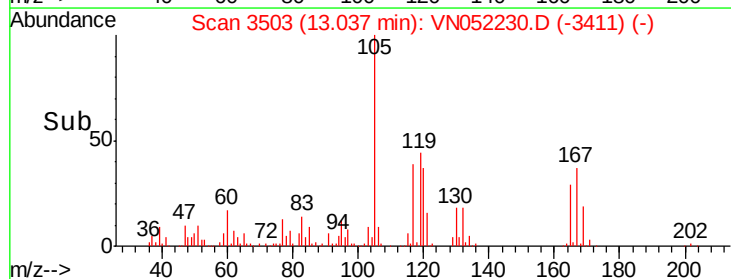
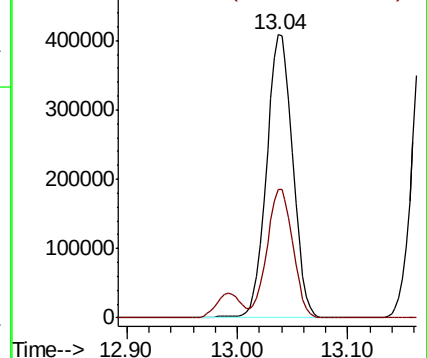
105 100

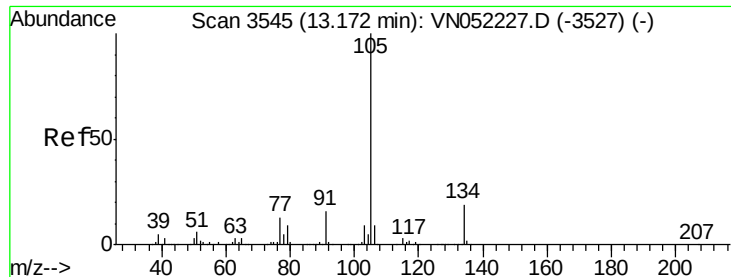
120 44.9 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.000 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

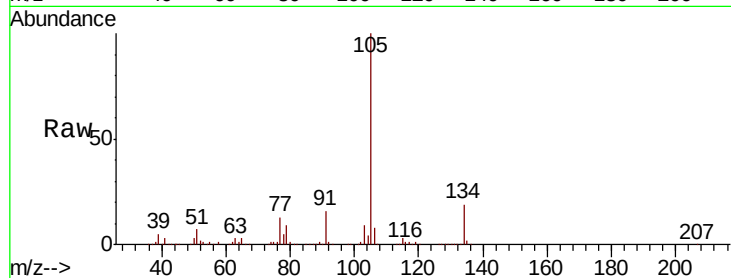
ICVNN110918

Tot Ion:105 Resp: 806050

Ion Ratio Lower Upper

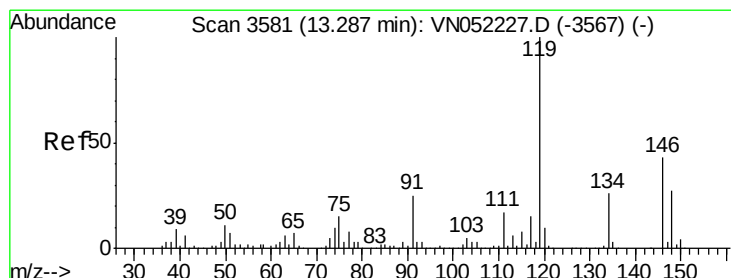
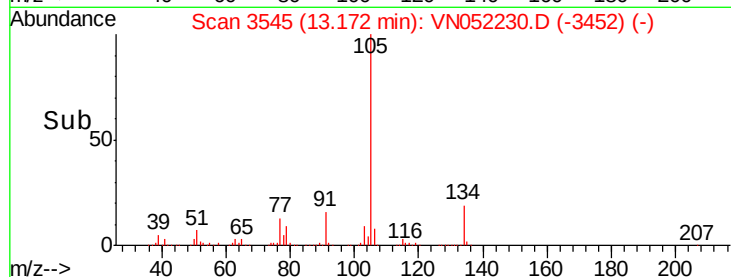
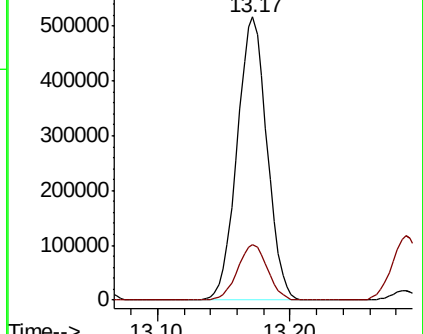
105 100

134 19.7 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.494 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

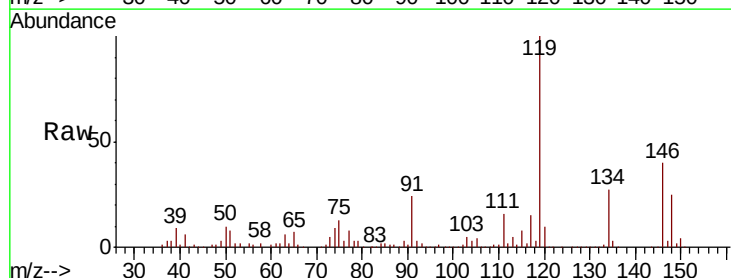
Tgt Ion:119 Resp: 680737

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.6

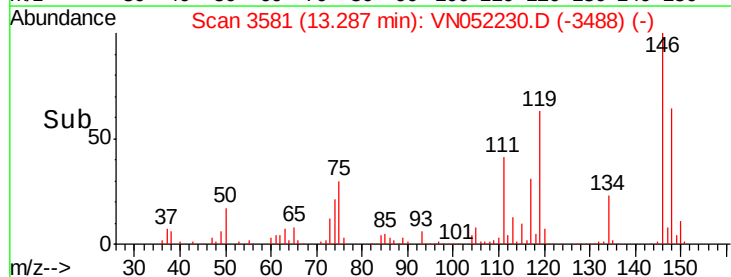
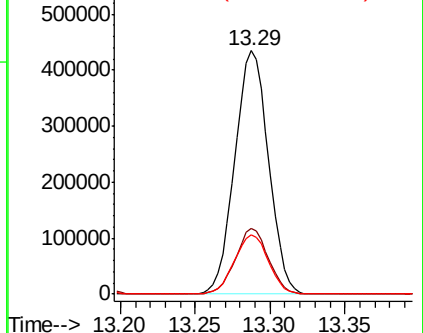
91 24.4 12.4 37.0

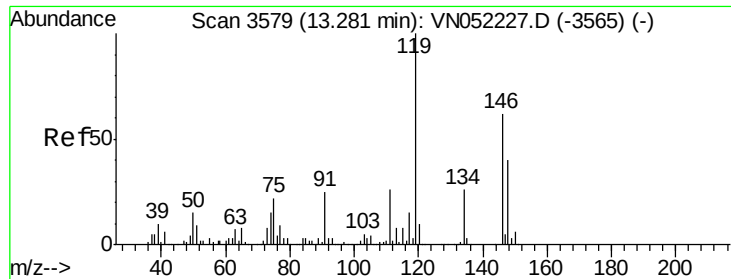


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

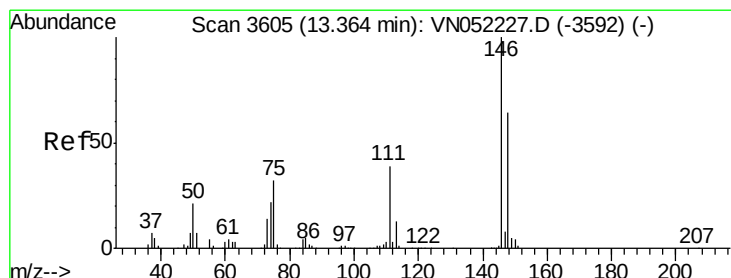
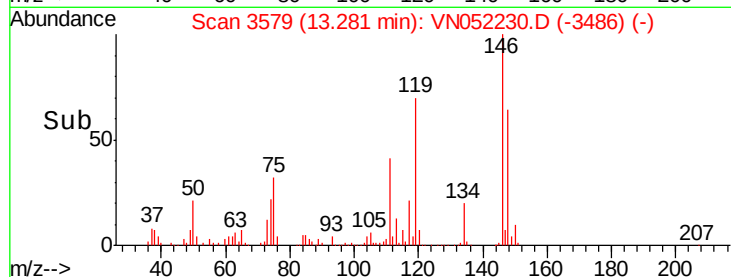
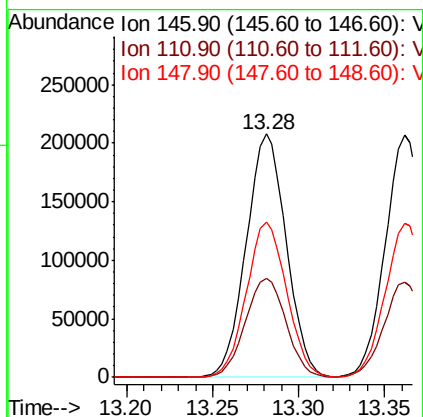
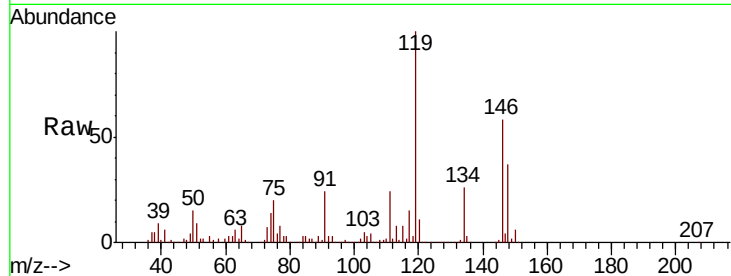




#87
 1,3-Dichlorobenzene
 Concen: 50.601 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

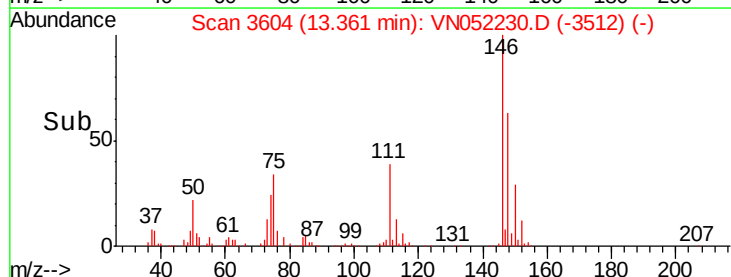
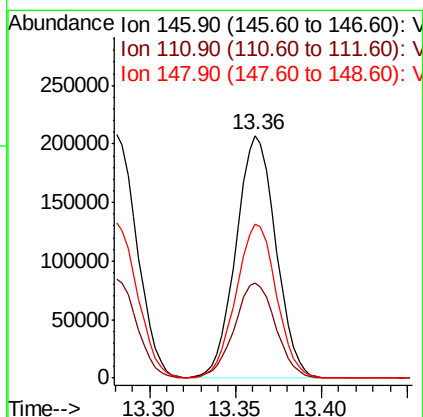
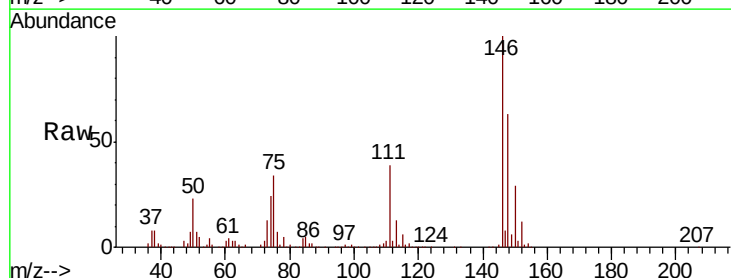
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

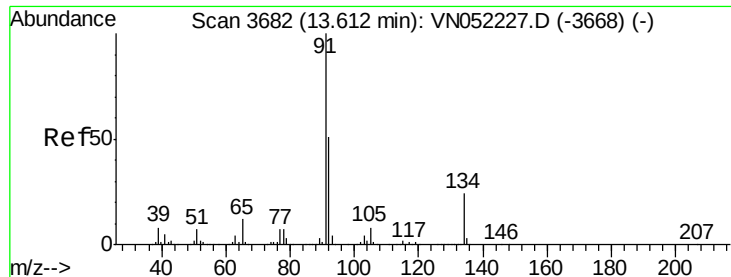
Tot Ion:146 Resp: 335682
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.1 60.3
 148 64.1 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 50.245 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion:146 Resp: 333692
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.2 60.6
 148 64.3 32.1 96.3





#89

n-Butylbenzene

Concen: 53.681 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVFN110918

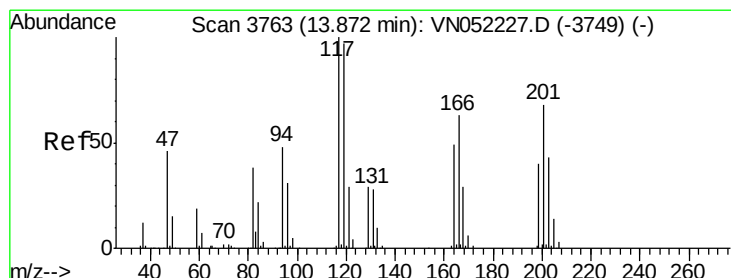
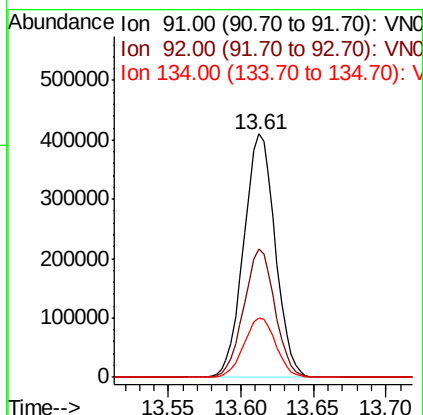
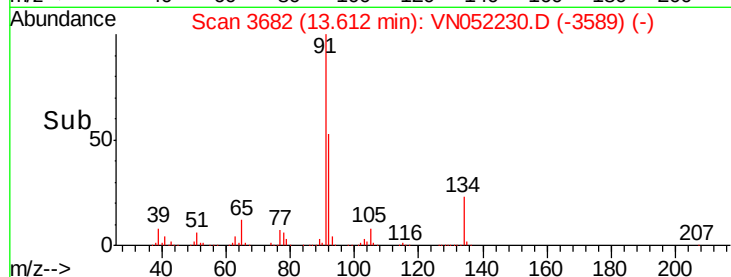
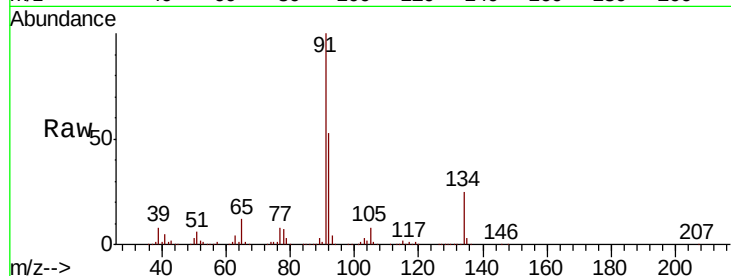
Tot Ion: 91 Resp: 619871

Ion Ratio Lower Upper

91 100

92 52.3 25.1 75.3

134 24.7 12.0 36.1



#90

Hexachloroethane

Concen: 49.668 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052230.D

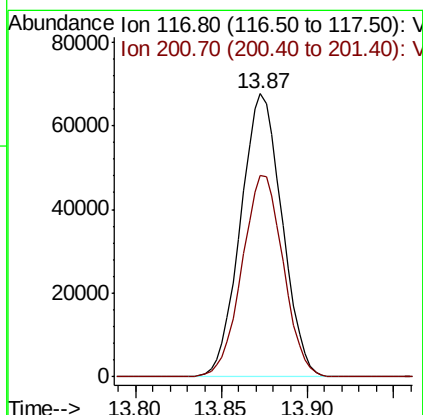
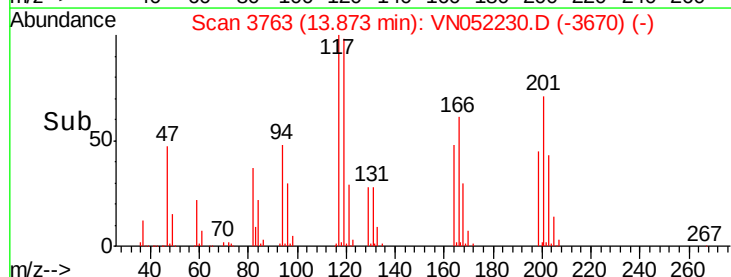
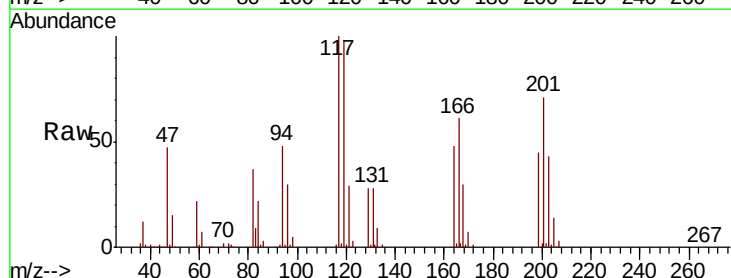
Acq: 9 Nov 2018 16:28

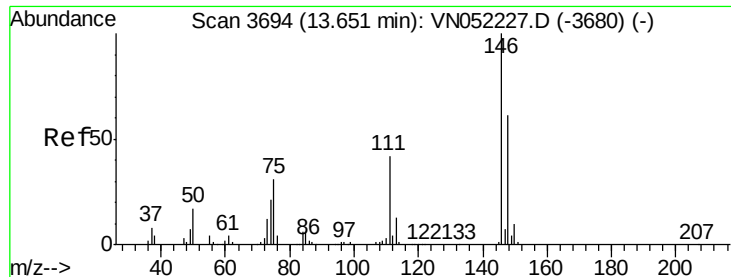
Tgt Ion: 117 Resp: 113050

Ion Ratio Lower Upper

117 100

201 70.8 34.6 103.9

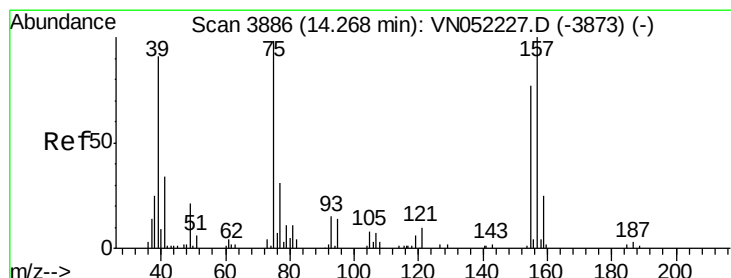
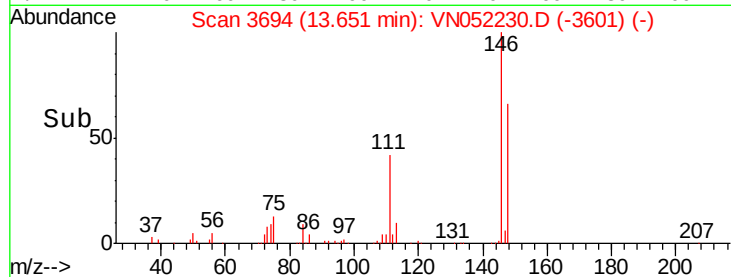
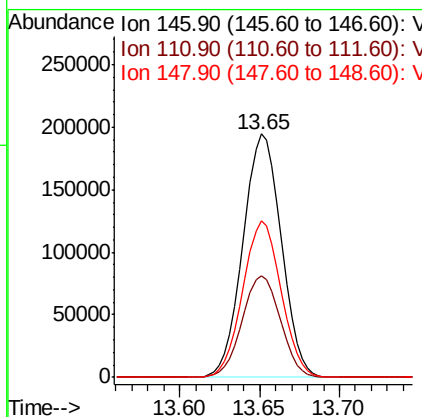
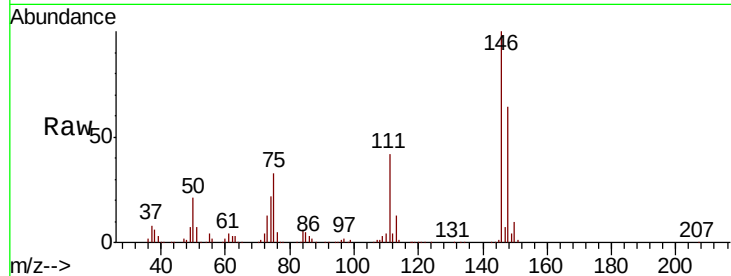




#91
 1,2-Dichlorobenzene
 Concen: 49.224 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

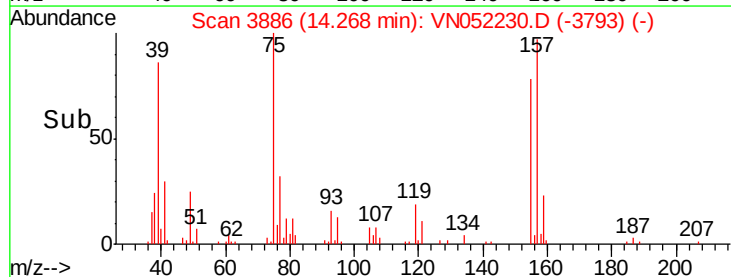
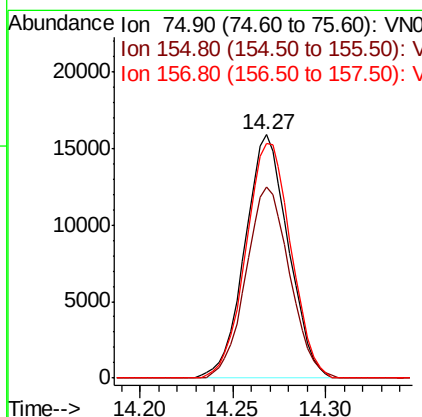
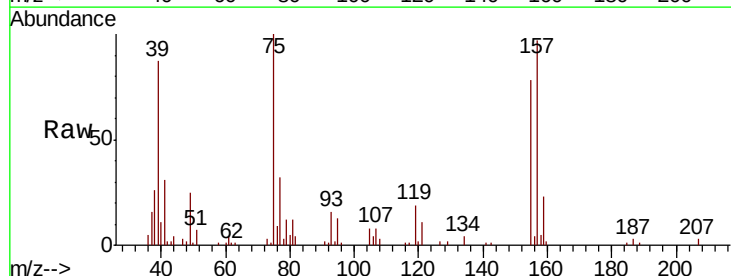
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

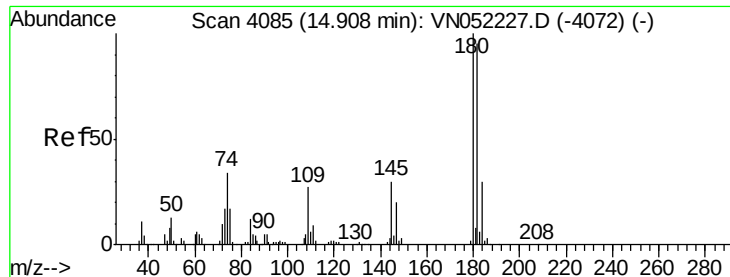
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.3
148	64.2	31.3	93.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.768 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	40.2	120.5
157	100.2	51.7	155.2

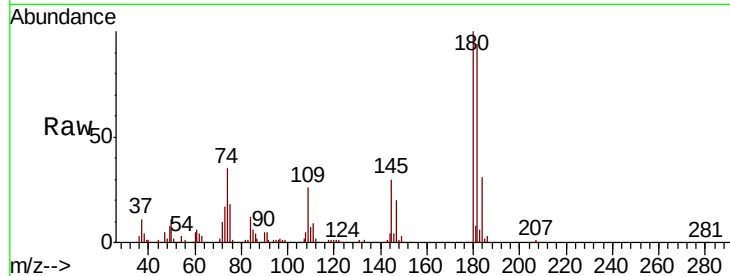




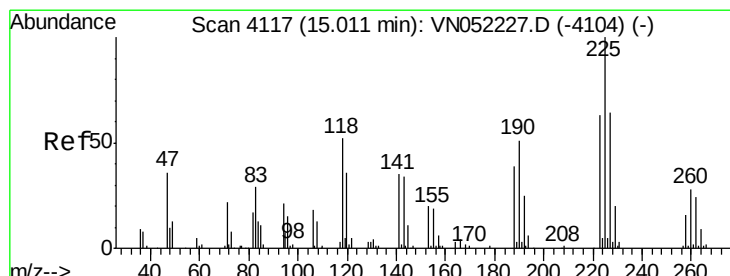
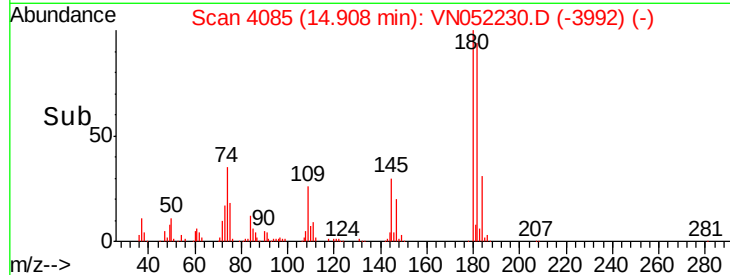
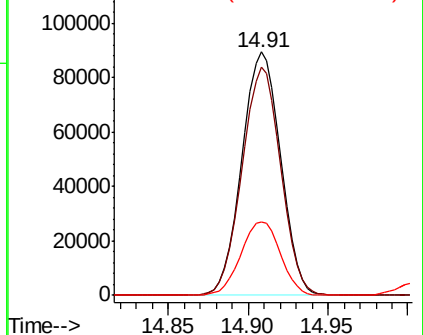
#93
 1,2,4-Trichlorobenzene
 Concen: 57.651 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110918

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	142.0
145	30.8	15.6	46.8

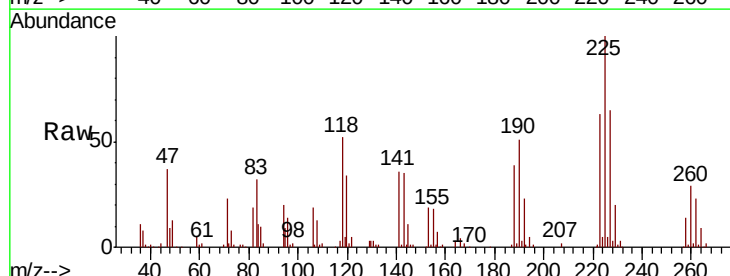


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

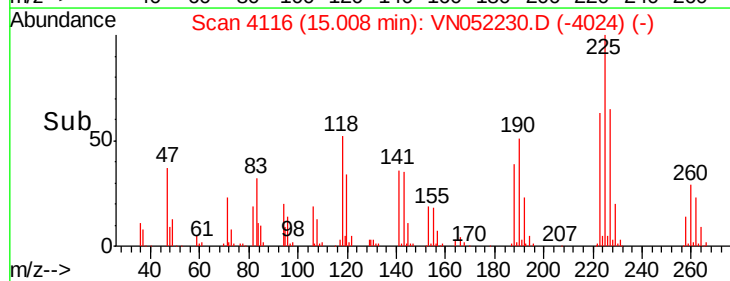
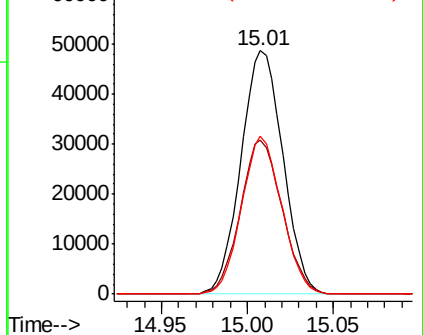


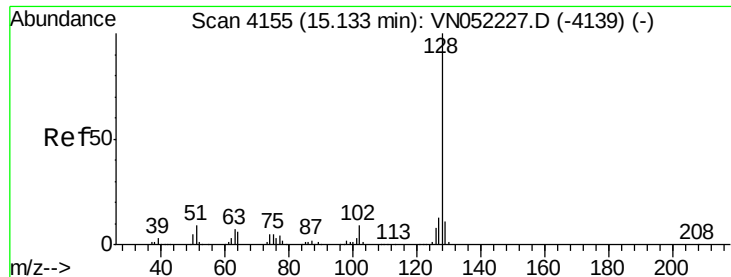
#94
 Hexachlorobutadiene
 Concen: 59.357 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052230.D
 Acq: 9 Nov 2018 16:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.1	96.3
227	61.6	31.8	95.4



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: 53.310 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

ICVNN110918

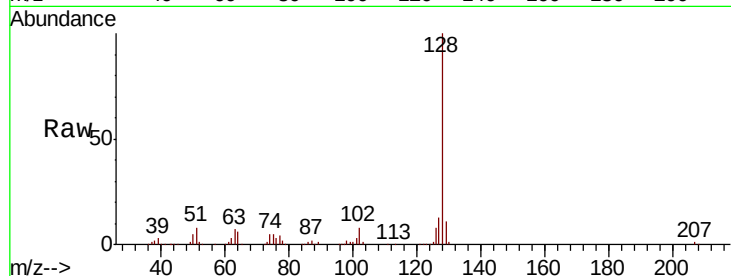
Tot Ion:128 Resp: 336365

Ion Ratio Lower Upper

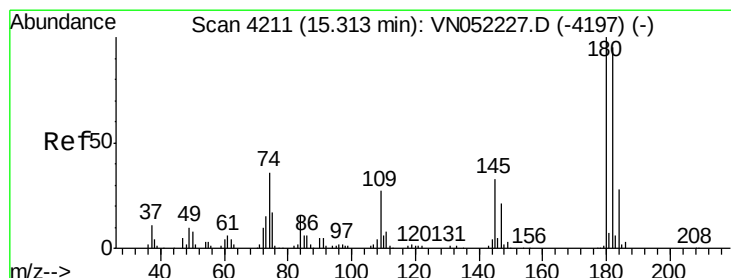
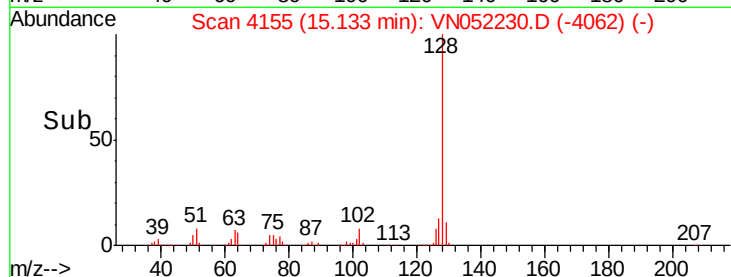
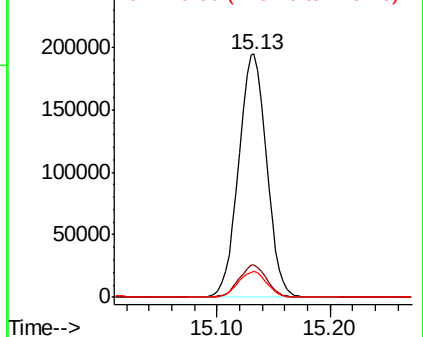
128 100

127 13.3 10.6 16.0

129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.605 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052230.D

Acq: 9 Nov 2018 16:28

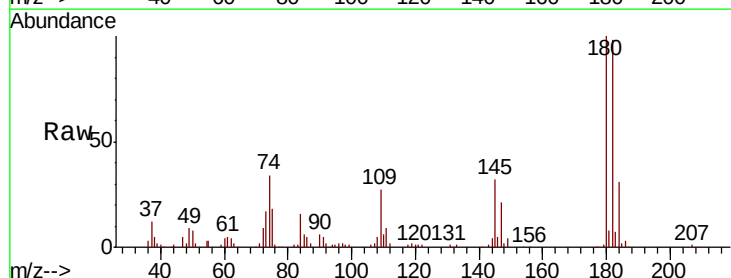
Tgt Ion:180 Resp: 129749

Ion Ratio Lower Upper

180 100

182 95.8 47.7 143.1

145 32.6 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

