

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057070.D
 Acq On : 5 Aug 2019 9:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 06 01:06:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	465959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	672347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	602666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260100	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	219354	45.99	ug/l	0.00
Spiked Amount						
			Recovery	=	91.98%	
35) Dibromofluoromethane	7.58	113	203370	47.25	ug/l	0.00
Spiked Amount						
			Recovery	=	94.50%	
50) Toluene-d8	10.08	98	757167	46.13	ug/l	0.00
Spiked Amount						
			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.40	95	256884	48.07	ug/l	0.00
Spiked Amount						
			Recovery	=	96.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	250684	53.217	ug/l	100
3) Chloromethane	2.05	50	263513	46.716	ug/l	99
4) Vinyl Chloride	2.18	62	248830	47.046	ug/l	99
5) Bromomethane	2.54	94	152254	46.304	ug/l	98
6) Chloroethane	2.68	64	139960	48.003	ug/l	99
7) Trichlorofluoromethane	3.00	101	367724	53.112	ug/l	100
8) Diethyl Ether	3.40	74	135740	52.386	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	225163	52.455	ug/l	99
10) Methyl Iodide	3.94	142	230401	40.169	ug/l	99
11) Tert butyl alcohol	4.77	59	156190	242.261	ug/l	100
12) 1,1-Dichloroethene	3.72	96	210025	51.279	ug/l	98
13) Acrolein	3.59	56	68755	207.466	ug/l	96
14) Allyl chloride	4.30	41	337078	50.594	ug/l	98
15) Acrylonitrile	4.97	53	482953	255.440	ug/l	100
16) Acetone	3.80	43	476126	275.540	ug/l	99
17) Carbon Disulfide	4.04	76	506374	46.527	ug/l	99
18) Methyl Acetate	4.31	43	267604	48.546	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	651638	53.358	ug/l	99
20) Methylene Chloride	4.53	84	243185	48.857	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	221140	50.839	ug/l	100
22) Diisopropyl ether	5.93	45	707001	51.504	ug/l	99
23) Vinyl Acetate	5.88	43	2417333	254.163	ug/l	99
24) 1,1-Dichloroethane	5.83	63	419261	51.766	ug/l	100
25) 2-Butanone	6.82	43	623265	254.366	ug/l	99
26) 2,2-Dichloropropane	6.81	77	323161	52.475	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	263335	51.185	ug/l	99
28) Bromochloromethane	7.18	49	180324	47.367	ug/l	98
29) Tetrahydrofuran	7.20	42	386022	241.465	ug/l	99
30) Chloroform	7.36	83	422795	51.057	ug/l	98
31) Cyclohexane	7.64	56	365565	46.643	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	354860	53.708	ug/l	99
36) 1,1-Dichloropropene	7.78	75	308060	52.071	ug/l	100
37) Ethyl Acetate	6.91	43	232797	49.130	ug/l	99
38) Carbon Tetrachloride	7.76	117	310568	55.497	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	383603	50.732	ug/l	99
40) Benzene	8.03	78	949008	52.080	ug/l	99
41) Methacrylonitrile	7.16	41	114852	52.432	ug/l	94
42) 1,2-Dichloroethane	8.11	62	307935	53.920	ug/l	99
43) Isopropyl Acetate	8.15	43	395890	50.550	ug/l	98
44) Trichloroethene	8.82	130	267252	53.236	ug/l	99
45) 1,2-Dichloropropane	9.11	63	255690	52.460	ug/l	98
46) Dibromomethane	9.20	93	159995	54.432	ug/l	97
47) Bromodichloromethane	9.39	83	322769	55.851	ug/l	99
48) Methyl methacrylate	9.19	41	194773	51.512	ug/l	97
49) 1,4-Dioxane	9.19	88	82494	1058.693	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1191128	255.976	ug/l	100
52) Toluene	10.15	92	591482	54.027	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	332483	55.441	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	381301	54.684	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	234525	53.416	ug/l	99
56) Ethyl methacrylate	10.42	69	325299	49.094	ug/l	99
57) 1,3-Dichloropropane	10.70	76	392110	53.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	537544	204.311	ug/l	98
59) 2-Hexanone	10.74	43	860438	240.211	ug/l	100
60) Dibromochloromethane	10.90	129	257926	57.341	ug/l	98
61) 1,2-Dibromoethane	11.00	107	235060	54.861	ug/l	99
64) Tetrachloroethene	10.62	164	276856	53.309	ug/l	97
65) Chlorobenzene	11.43	112	656464	53.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	252803	54.682	ug/l	98
67) Ethyl Benzene	11.50	91	1151397	54.237	ug/l	100
68) m/p-Xylenes	11.62	106	855279	109.165	ug/l	99
69) o-Xylene	11.94	106	415552	54.214	ug/l	100
70) Styrene	11.96	104	699288	51.555	ug/l	99
71) Bromoform	12.12	173	186171	57.678	ug/l #	99
73) Isopropylbenzene	12.24	105	1133714	50.434	ug/l	100
74) N-amyl acetate	12.07	43	317059	48.576	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	296550	52.311	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	363559	68.827	ug/l #	100
77) Bromobenzene	12.52	156	300324	51.190	ug/l	97
78) n-propylbenzene	12.59	91	1232562	51.353	ug/l	99
79) 2-Chlorotoluene	12.67	91	739604	50.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	954903	51.758	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	82337	50.083	ug/l	98
82) 4-Chlorotoluene	12.77	91	718593	51.956	ug/l	99
83) tert-Butylbenzene	12.99	119	842239	51.570	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	937611	52.817	ug/l	100
85) sec-Butylbenzene	13.17	105	1090068	51.745	ug/l	100
86) p-Isopropyltoluene	13.29	119	989936	52.929	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	468248	52.470	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	452344	52.652	ug/l	100
89) n-Butylbenzene	13.61	91	766298	53.161	ug/l	99
90) Hexachloroethane	13.87	117	165913	51.517	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	464462	52.881	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44899	50.219	ug/l	99

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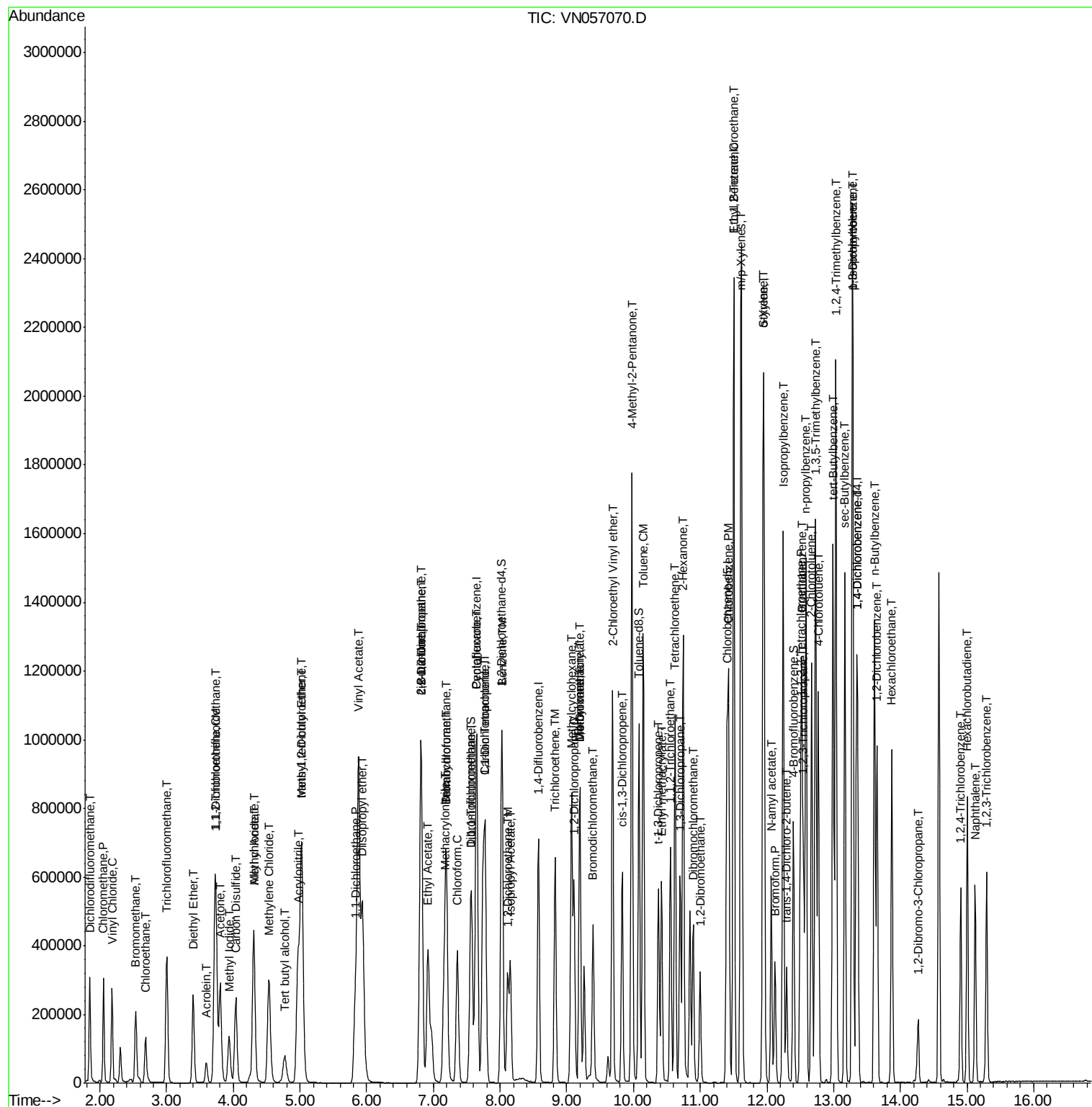
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	199152	44.281	ug/l	99
94) Hexachlorobutadiene	15.00	225	180312	59.395	ug/l	97
95) Naphthalene	15.12	128	486262	44.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	224299	49.029	ug/l	99

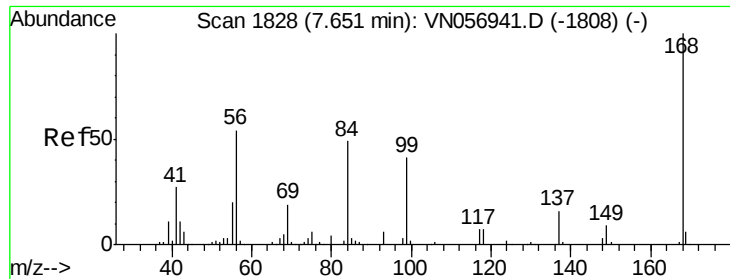
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

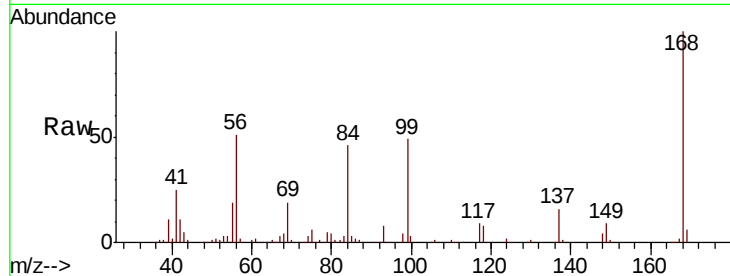
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 465959

Ion Ratio Lower Upper

168 100

99 49.0 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1808) (-)

7.65

200000

150000

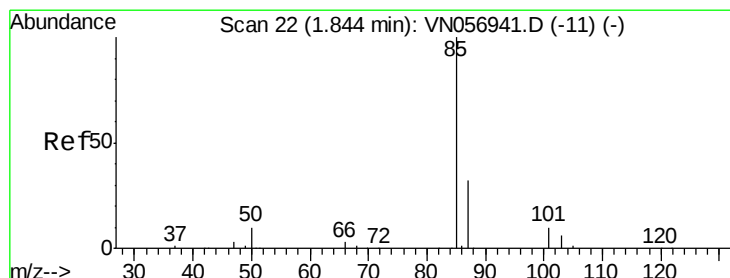
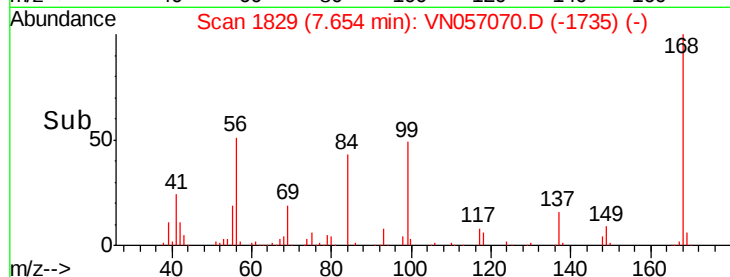
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 53.217 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057070.D

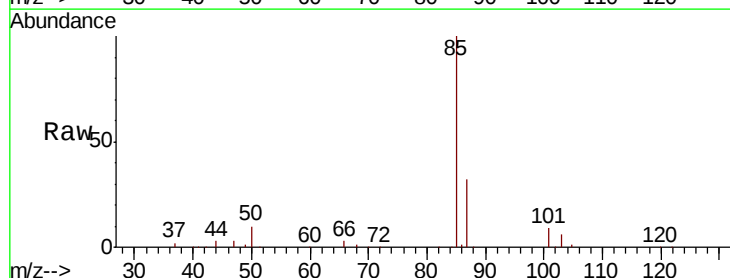
Acq: 5 Aug 2019 9:27

Tgt Ion: 85 Resp: 250684

Ion Ratio Lower Upper

85 100

87 31.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN056941.D (-11) (-)

Ion 86.90 (86.60 to 87.60): VN056941.D (-11) (-)

1.85

200000

150000

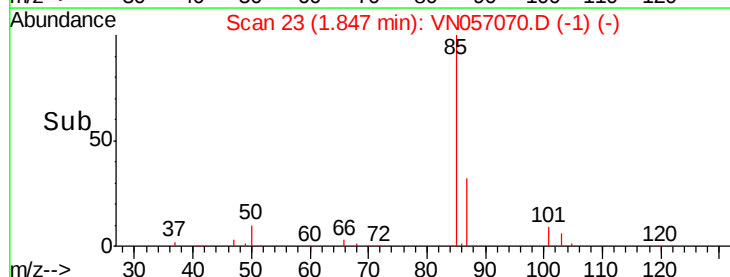
100000

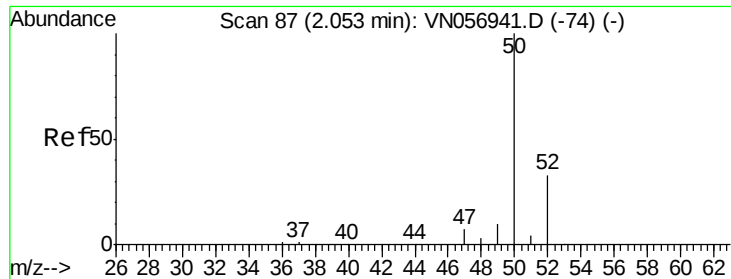
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.716 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

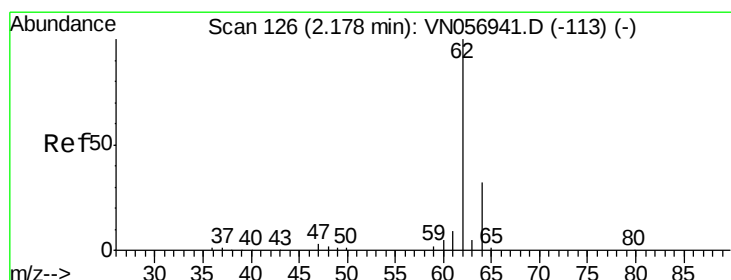
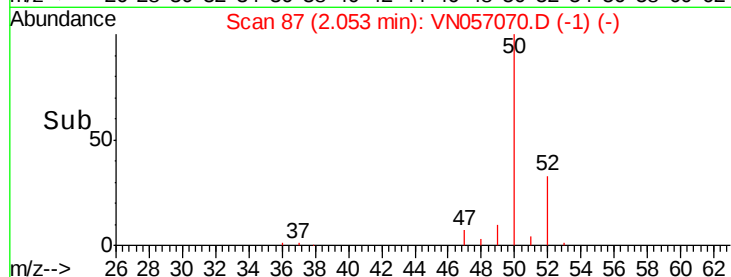
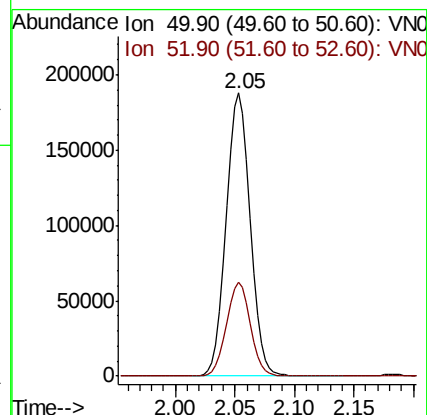
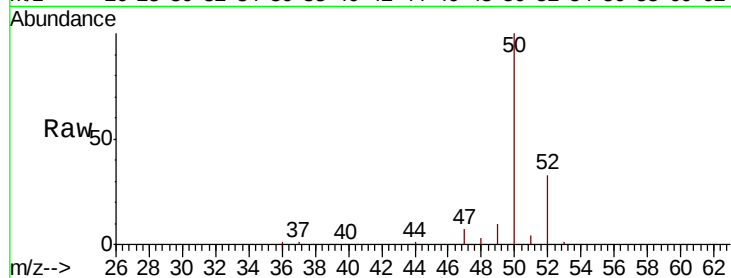
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 263513

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.2



#4

Vinyl Chloride

Concen: 47.046 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057070.D

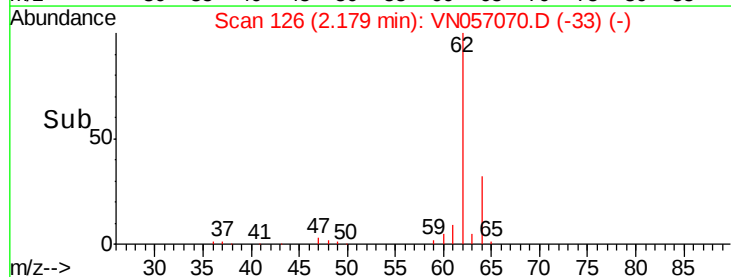
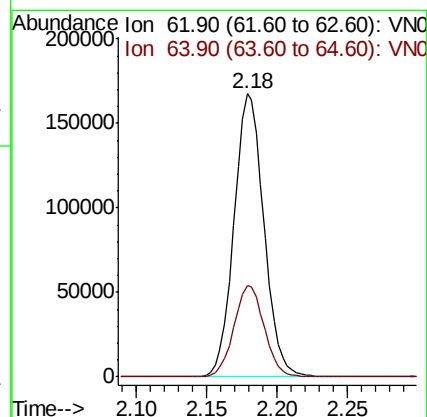
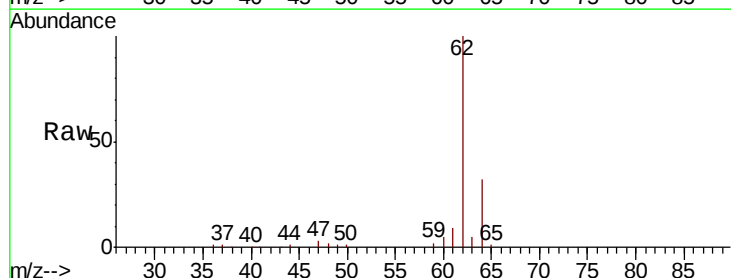
Acq: 5 Aug 2019 9:27

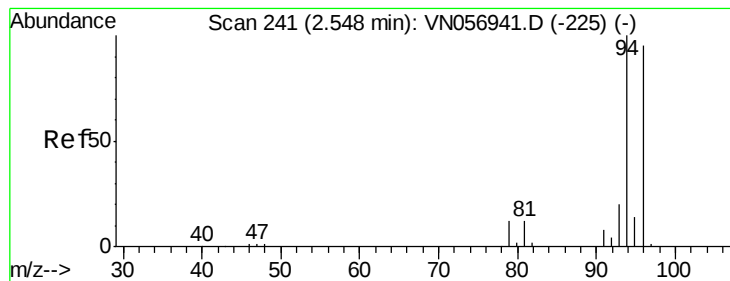
Tgt Ion: 62 Resp: 248830

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 46.304 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

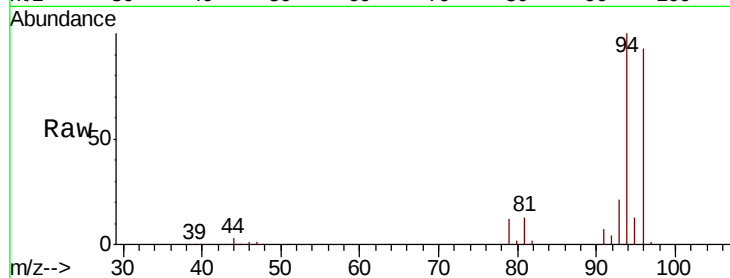
ClientSampleId :

Tot Ion: 94 Resp: 152254

Ion Ratio Lower Upper

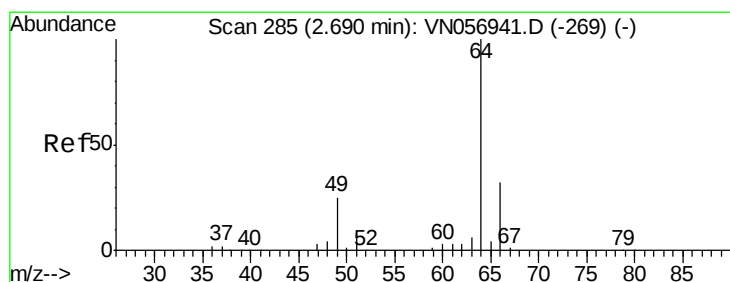
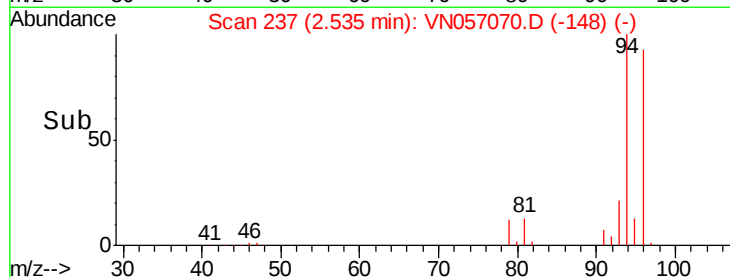
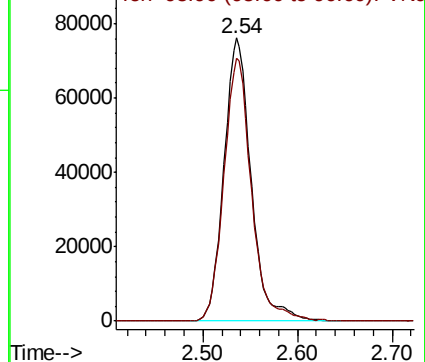
94 100

96 93.1 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.003 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN057070.D

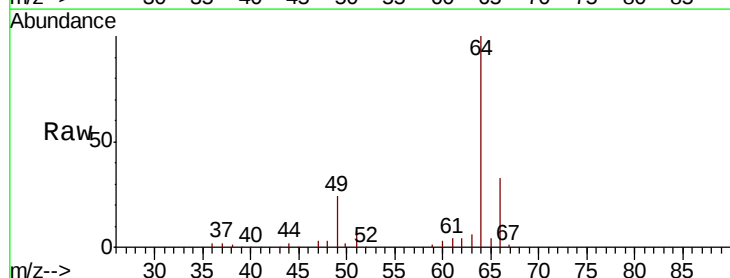
Acq: 5 Aug 2019 9:27

Tgt Ion: 64 Resp: 139960

Ion Ratio Lower Upper

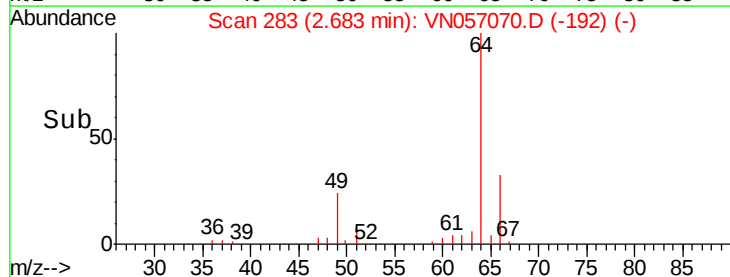
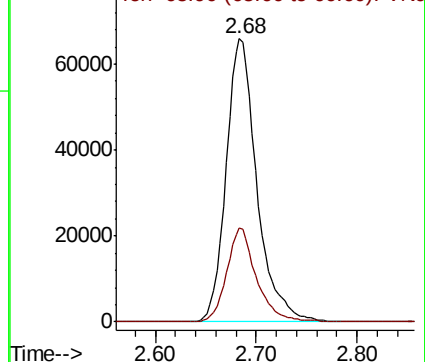
64 100

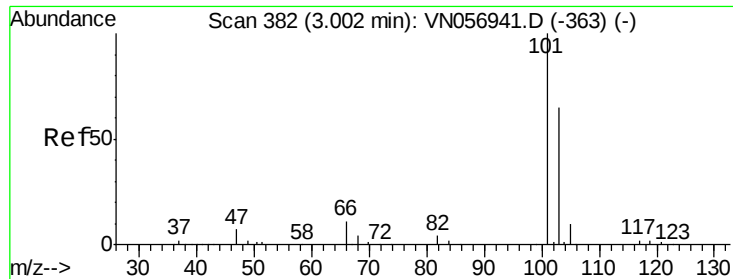
66 33.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



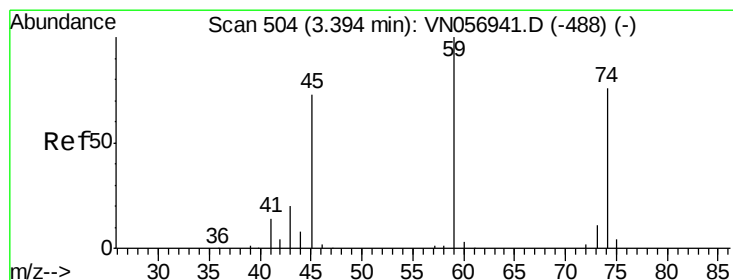
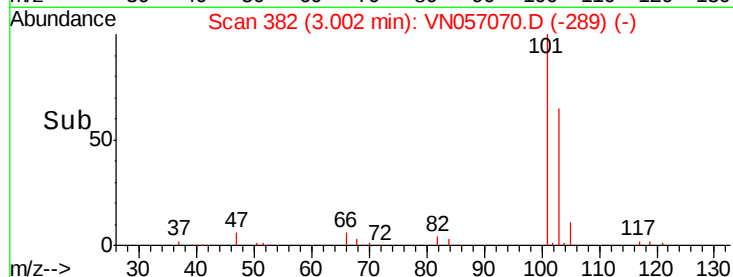
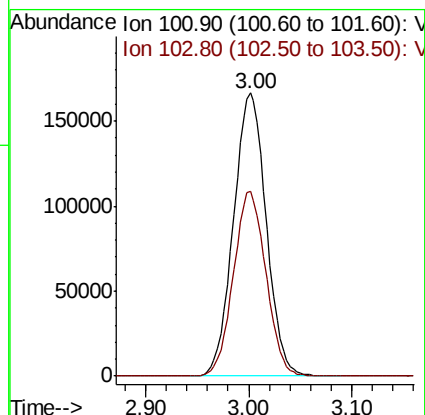
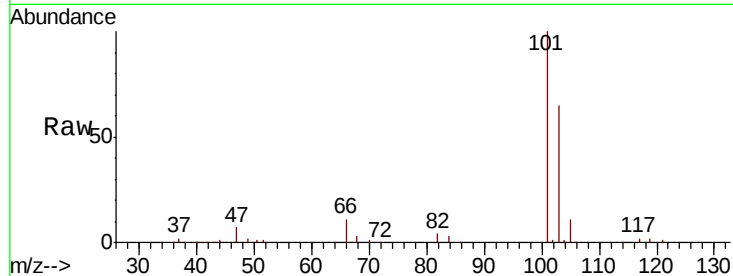


#7

Trichlorofluoromethane
 Concen: 53.112 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampled :

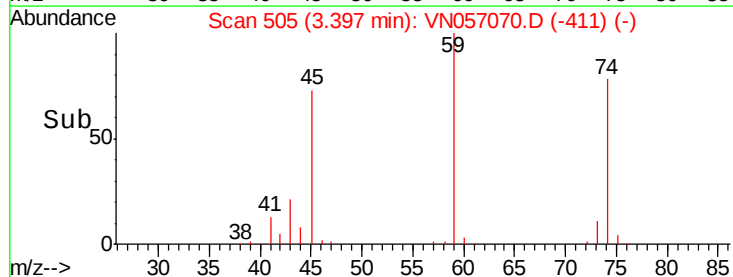
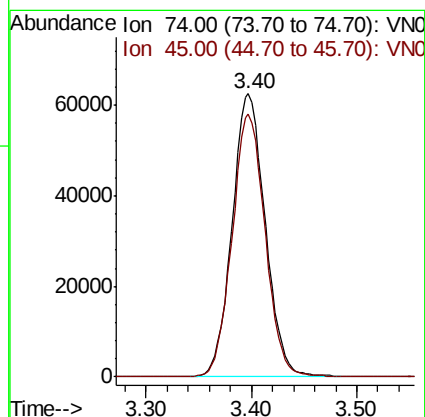
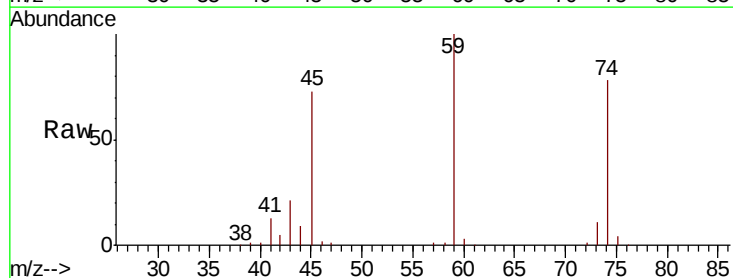
Tot Ion:101 Resp: 367724
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.1 78.1

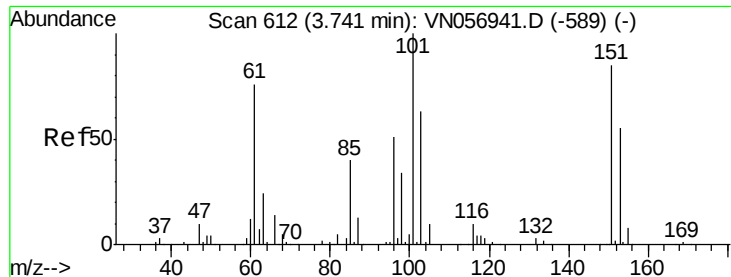


#8

Diethyl Ether
 Concen: 52.386 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion: 74 Resp: 135740
 Ion Ratio Lower Upper
 74 100
 45 92.8 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.455 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

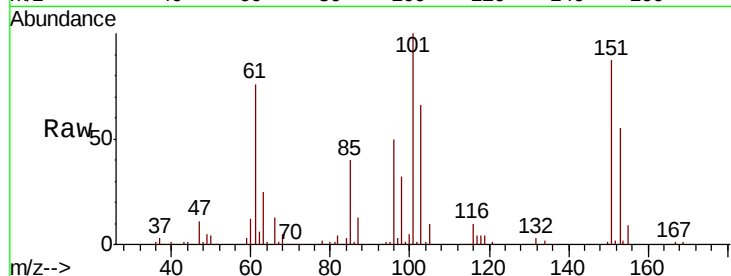
Tot Ion:101 Resp: 225163

Ion Ratio Lower Upper

101 100

85 40.9 32.3 48.5

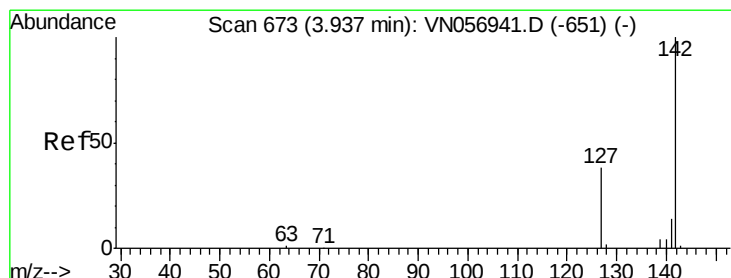
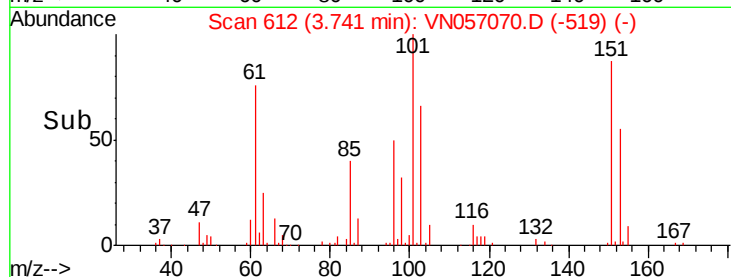
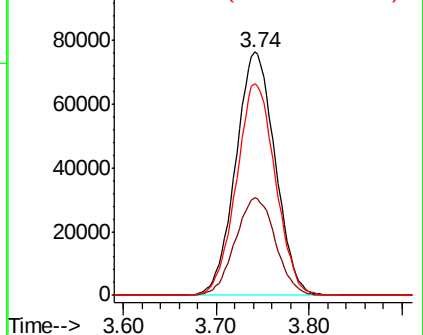
151 86.4 68.0 102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.169 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

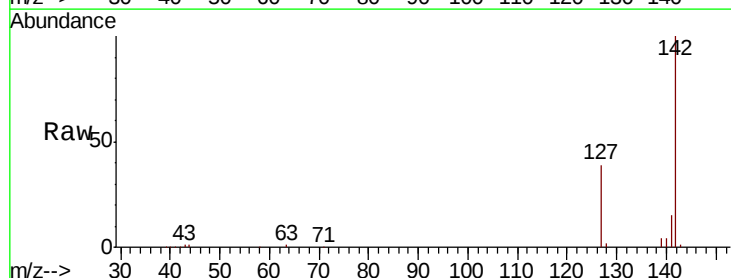
Tgt Ion:142 Resp: 230401

Ion Ratio Lower Upper

142 100

127 38.6 30.4 45.6

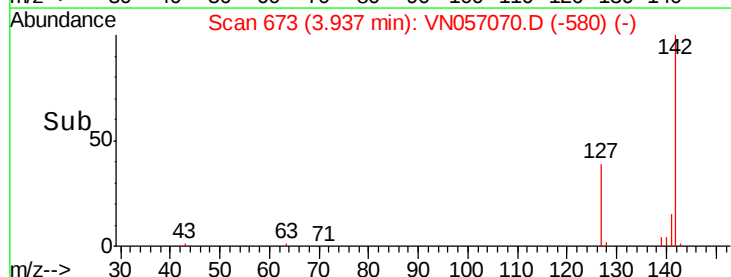
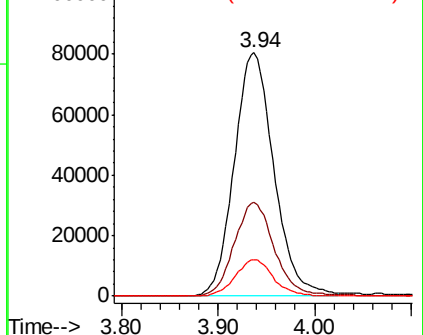
141 14.4 11.1 16.7

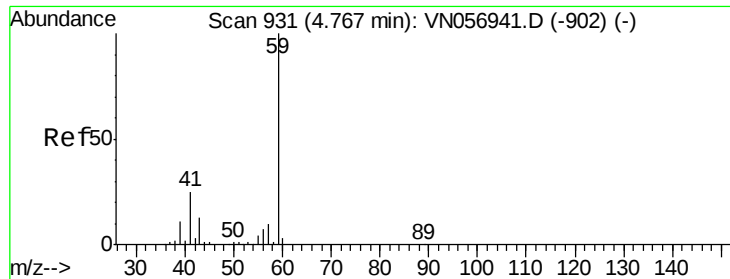


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



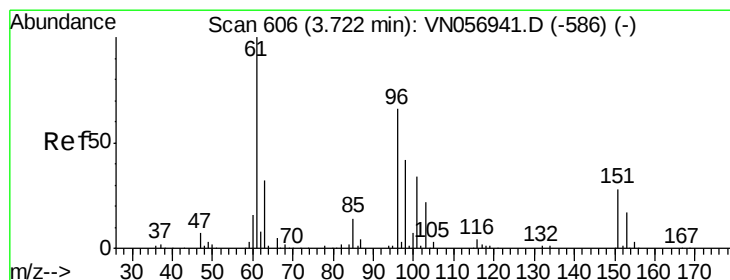
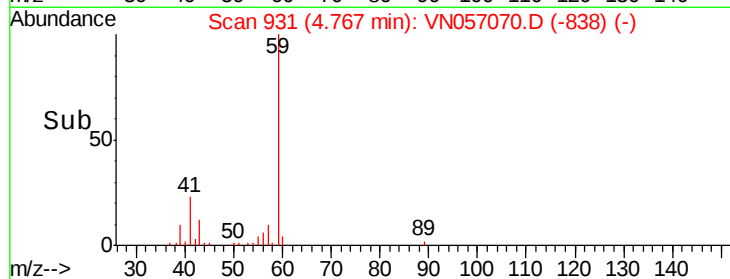
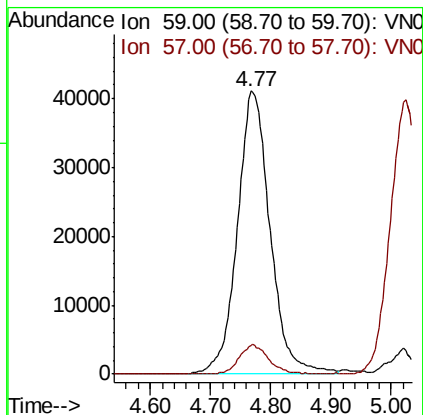
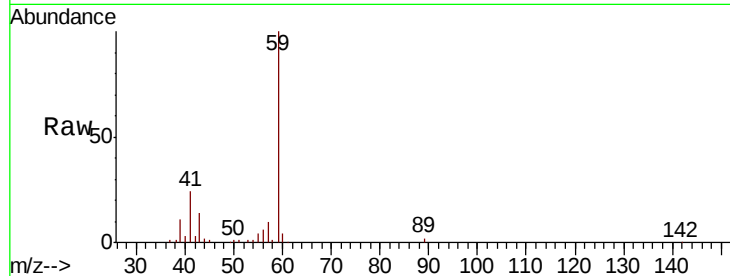


#11

Tert butyl alcohol
 Concen: 242.261 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :

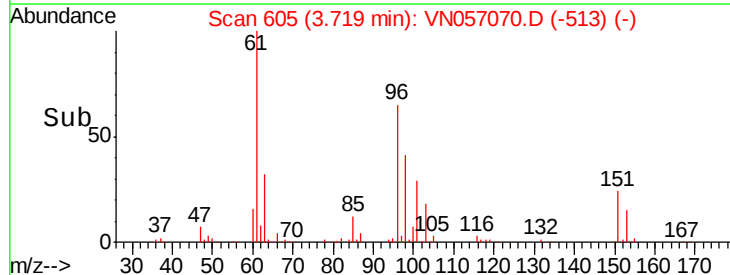
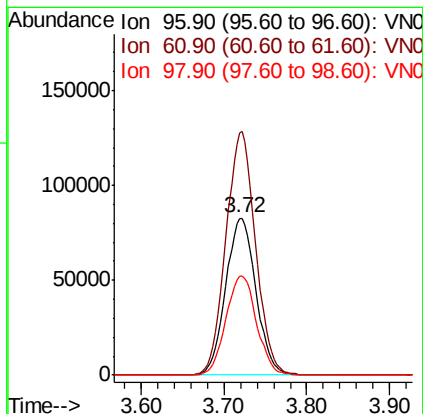
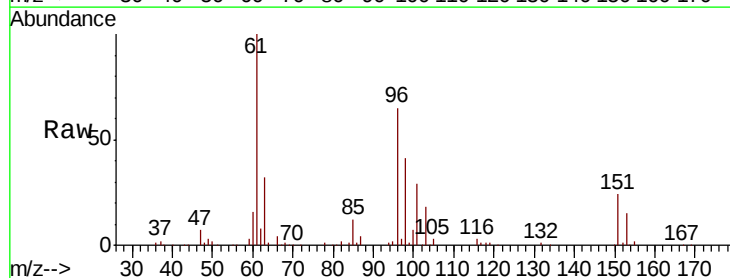
Tot Ion: 59 Resp: 156190
 Ion Ratio Lower Upper
 59 100
 57 9.3 7.5 11.3

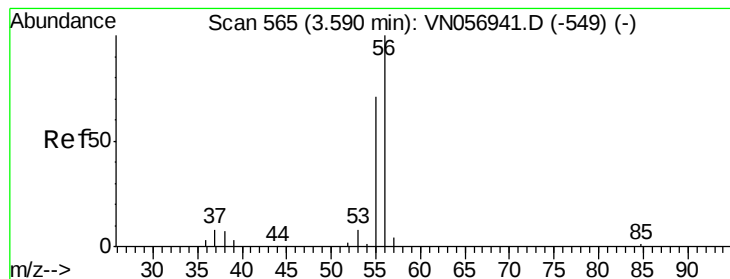


#12

1,1-Dichloroethene
 Concen: 51.279 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion: 96 Resp: 210025
 Ion Ratio Lower Upper
 96 100
 61 154.7 121.8 182.8
 98 62.8 51.7 77.5





#13

Acrolein

Concen: 207.466 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

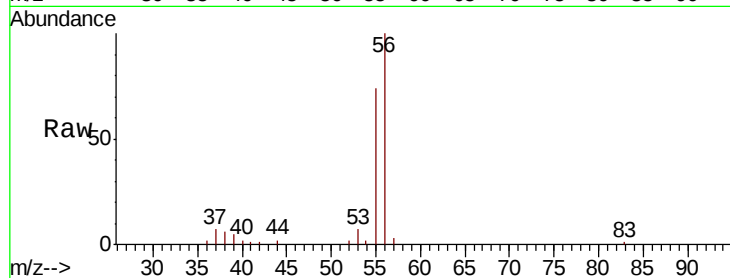
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 68755

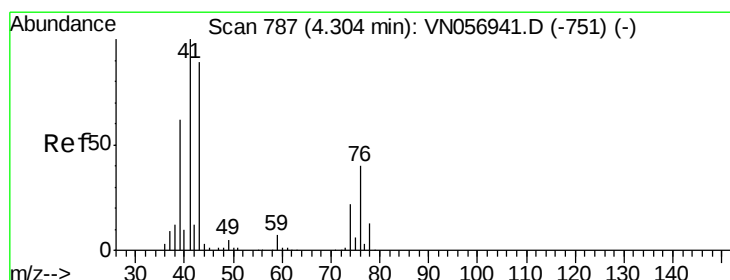
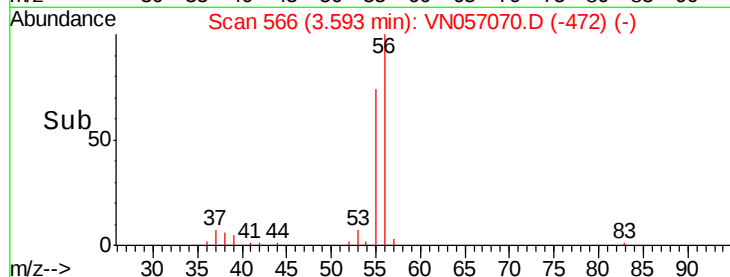
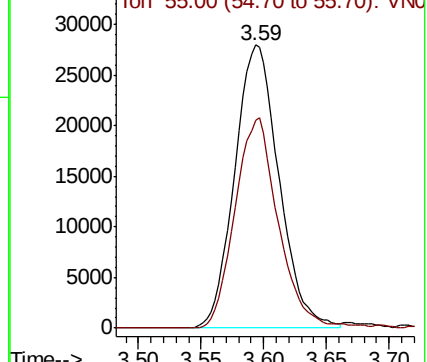
Ion Ratio Lower Upper

56 100

55 72.7 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-549) (-)



#14

Allyl chloride

Concen: 50.594 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

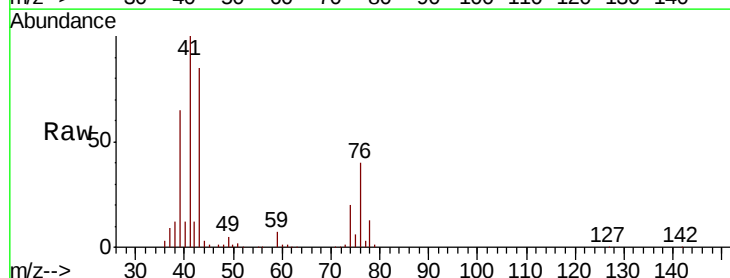
Tgt Ion: 41 Resp: 337078

Ion Ratio Lower Upper

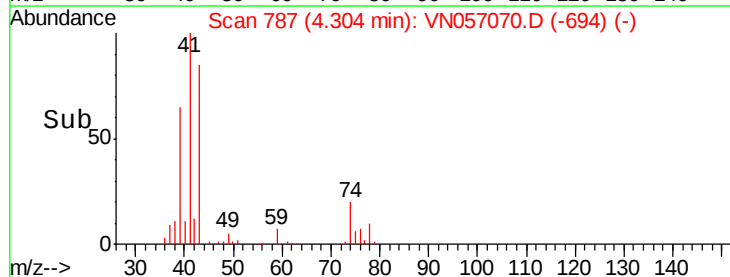
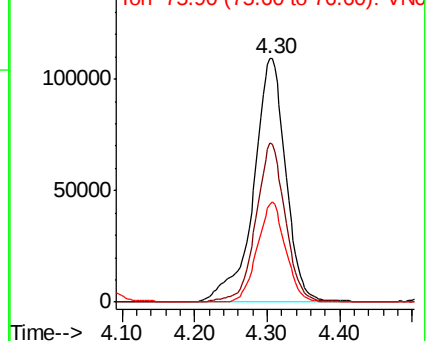
41 100

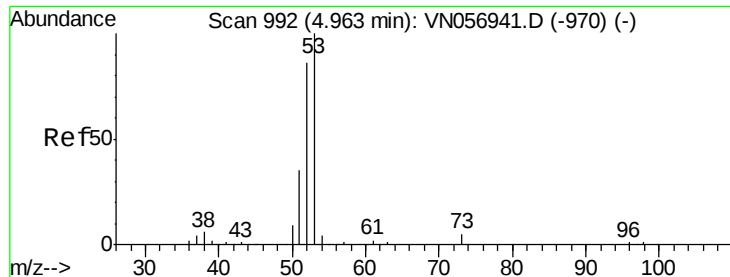
39 59.7 46.4 69.6

76 36.1 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-751) (-)





#15

Acrylonitrile

Concen: 255.440 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

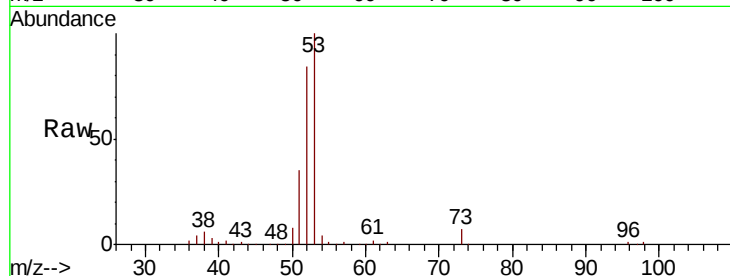
Tot Ion: 53 Resp: 482953

Ion Ratio Lower Upper

53 100

52 82.8 66.5 99.7

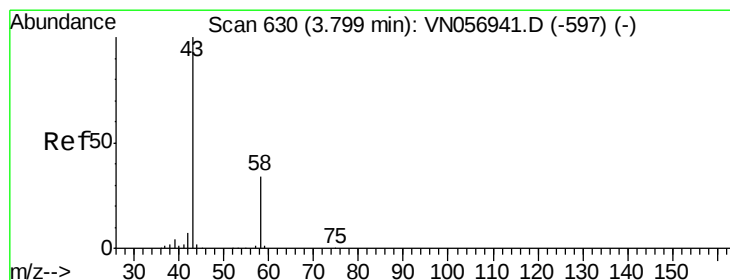
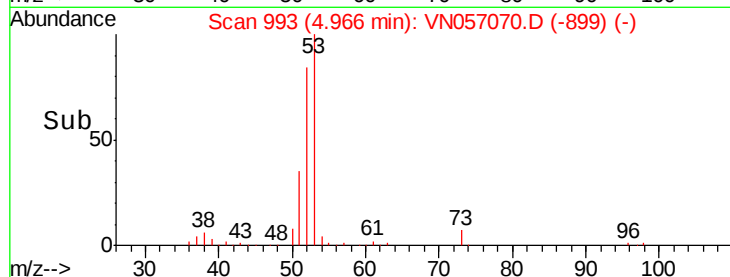
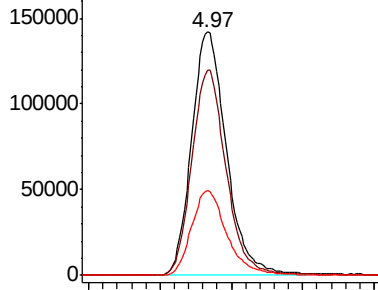
51 35.4 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 275.540 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN057070.D

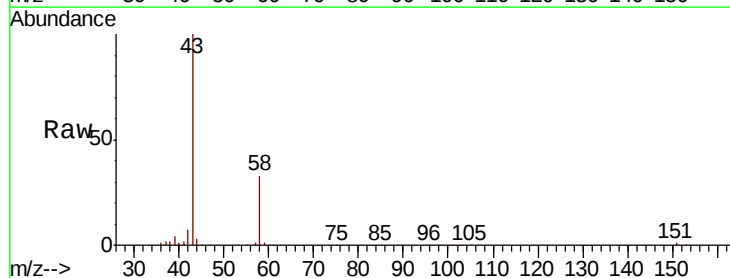
Acq: 5 Aug 2019 9:27

Tgt Ion: 43 Resp: 476126

Ion Ratio Lower Upper

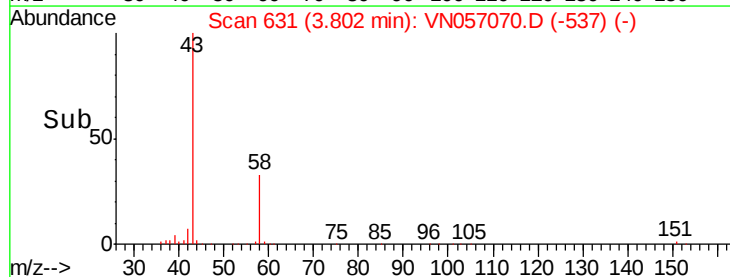
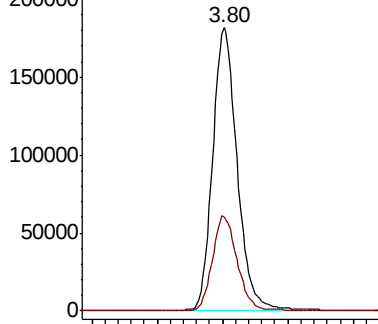
43 100

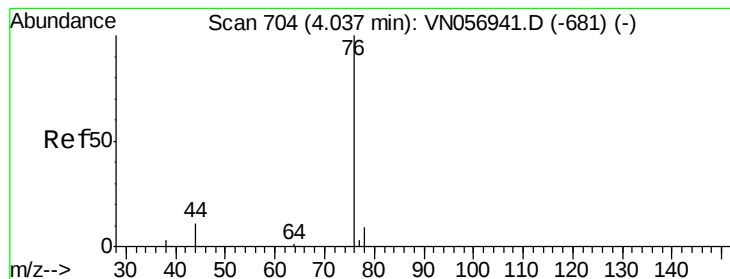
58 33.4 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 46.527 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

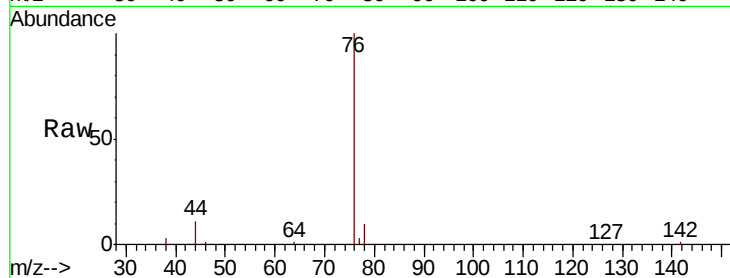
ClientSampleId :

Tot Ion: 76 Resp: 506374

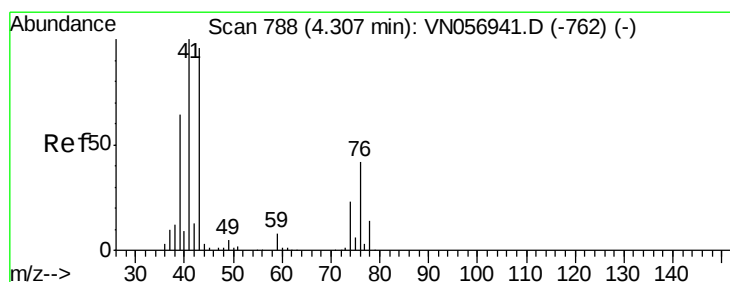
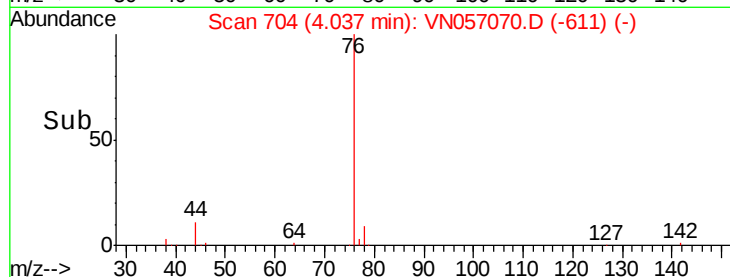
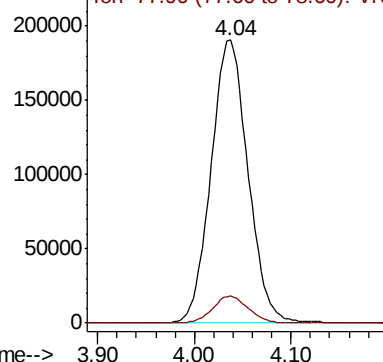
Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 48.546 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057070.D

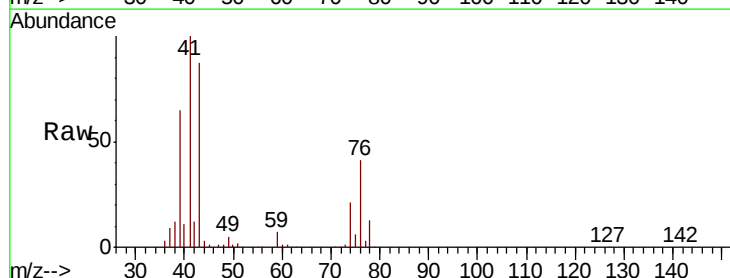
Acq: 5 Aug 2019 9:27

Tgt Ion: 43 Resp: 267604

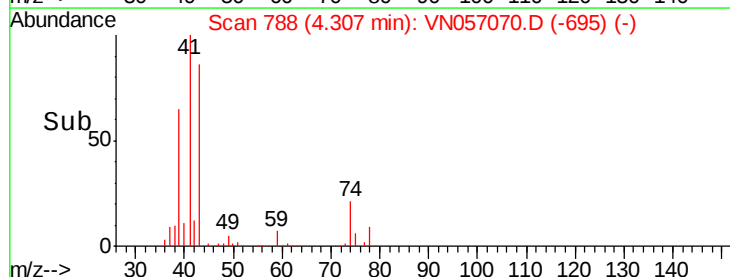
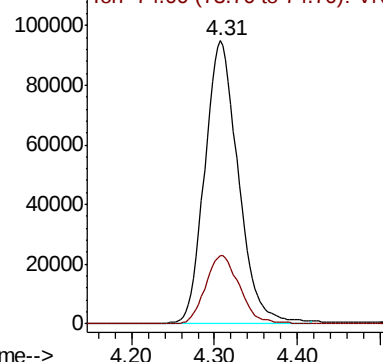
Ion Ratio Lower Upper

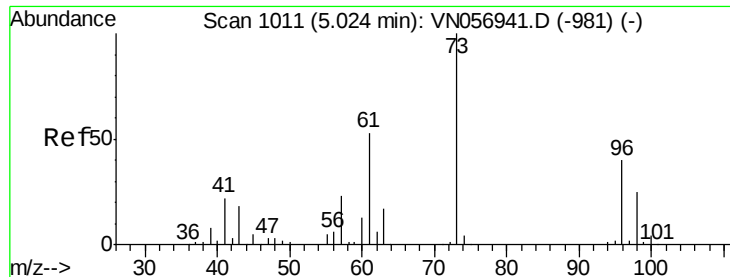
43 100

74 24.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

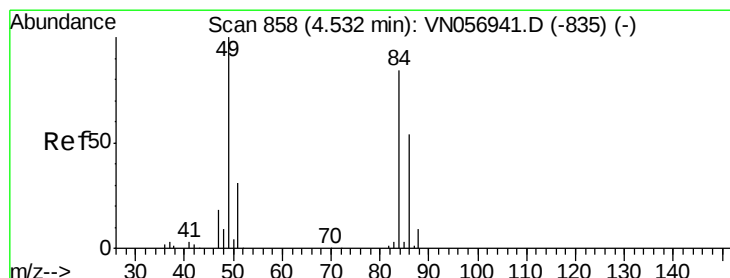
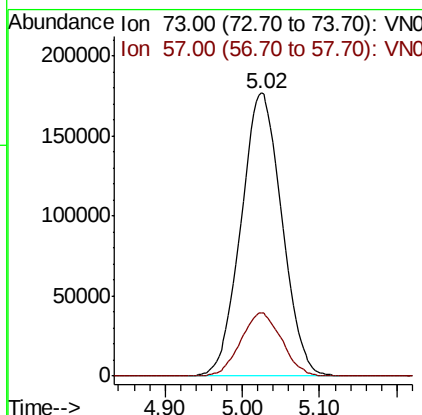
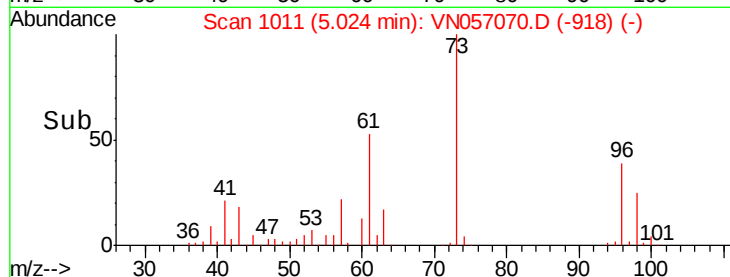
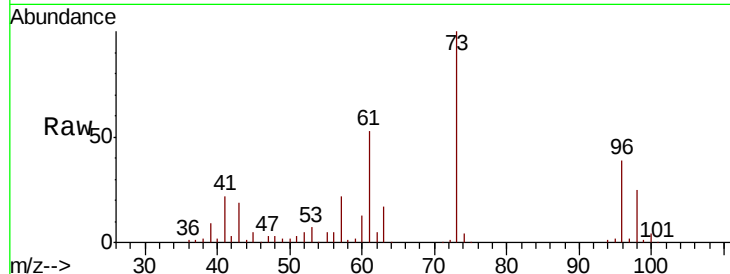




#19
Methvl tert-butvl Ether
Concen: 53.358 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

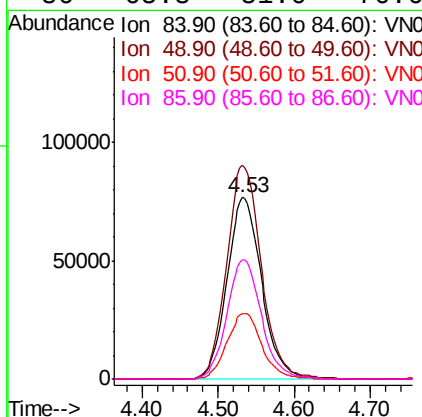
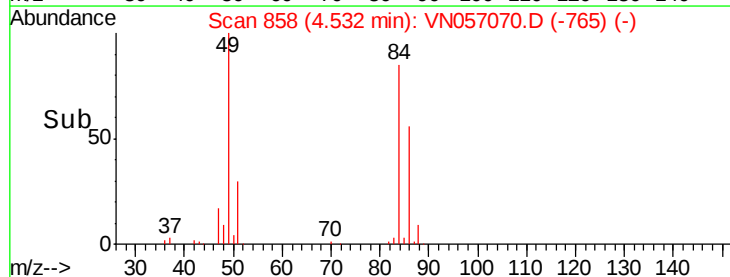
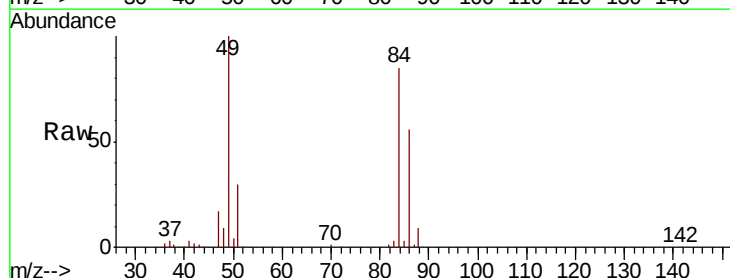
Instrument :
MSVOA_N
ClientSampled :

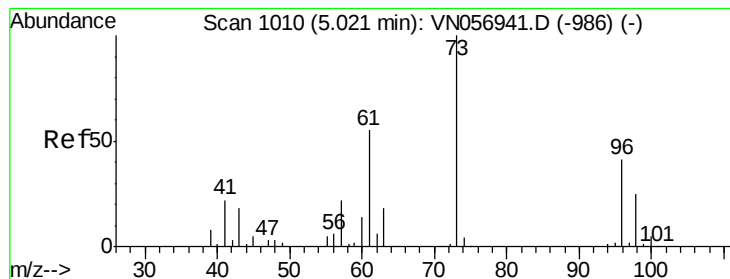
Tot Ion: 73 Resp: 651638
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 48.857 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 84 Resp: 243185
Ion Ratio Lower Upper
84 100
49 117.8 95.2 142.8
51 35.7 29.7 44.5
86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.839 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :

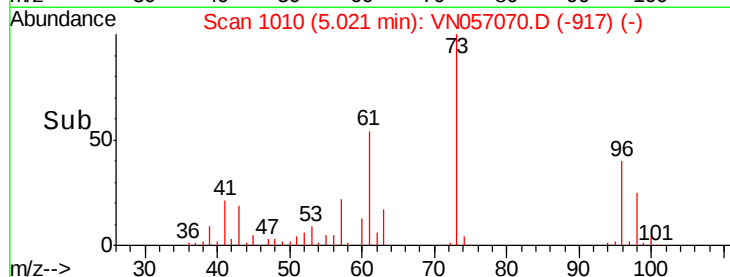
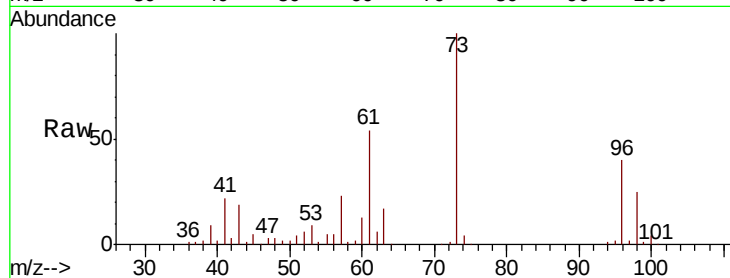
Tot Ion: 96 Resp: 221140

Ion Ratio Lower Upper

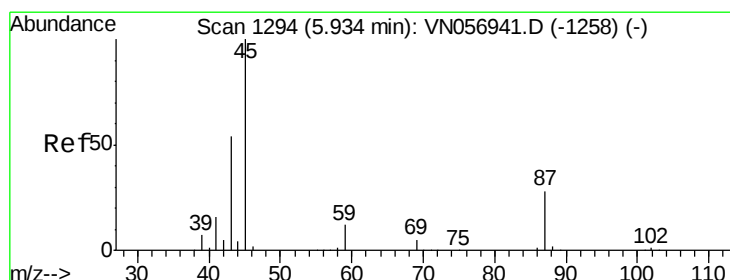
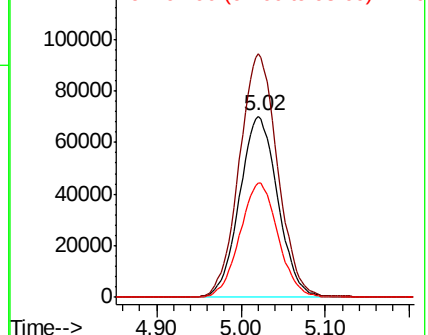
96 100

61 134.5 107.5 161.3

98 63.4 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 51.504 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion: 45 Resp: 707001

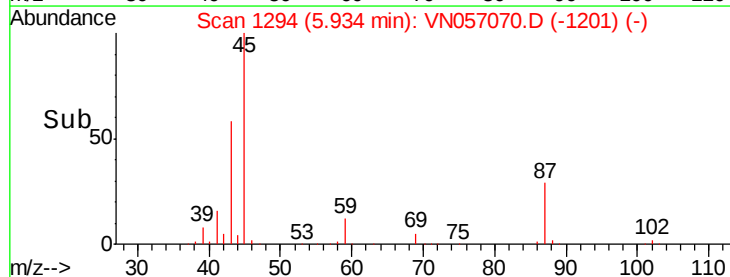
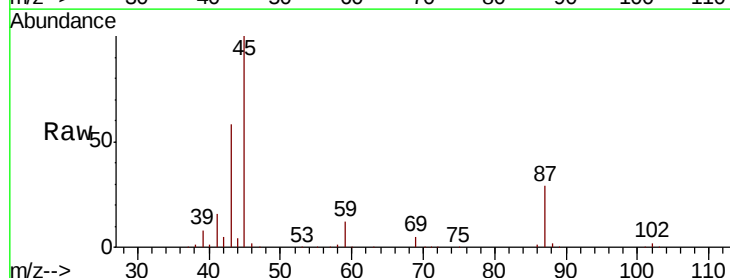
Ion Ratio Lower Upper

45 100

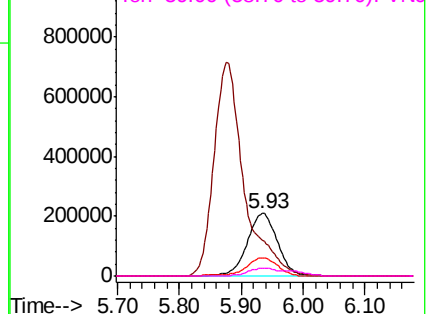
43 57.4 44.7 67.1

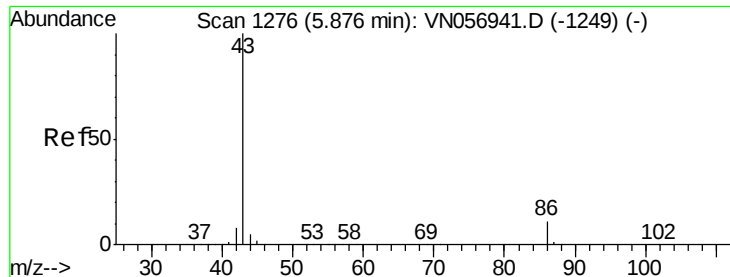
87 29.1 23.0 34.6

59 12.3 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 254.163 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

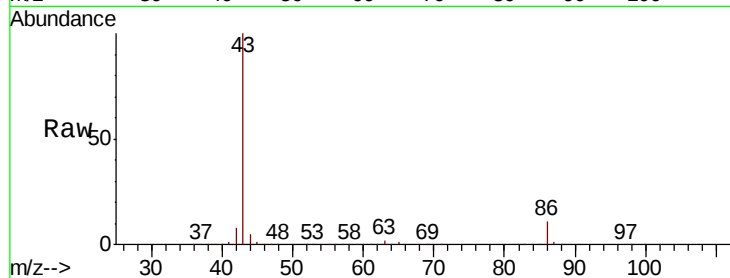
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2417333

Ion Ratio Lower Upper

43 100

86 11.0 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1249) (-)

Ion 86.00 (85.70 to 86.70): VN056941.D (-1249) (-)

5.88

800000

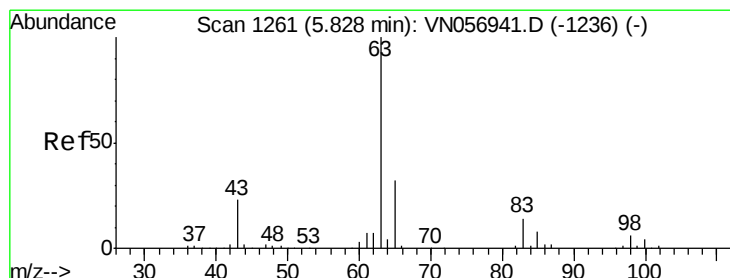
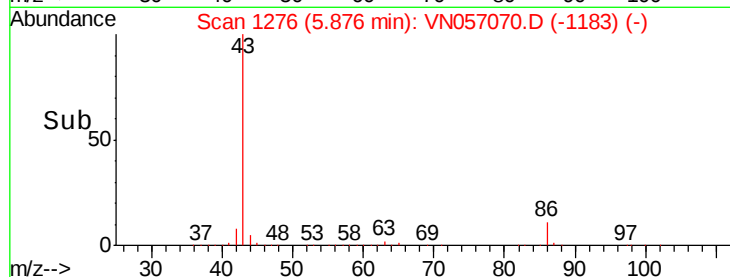
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.766 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

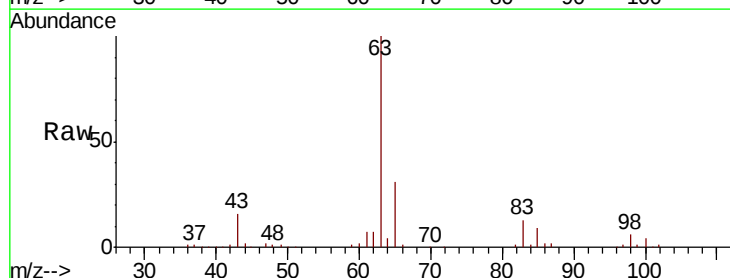
Tgt Ion: 63 Resp: 419261

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN056941.D (-1236) (-)

Ion 97.90 (97.60 to 98.60): VN056941.D (-1236) (-)

Ion 99.90 (99.60 to 100.60): VN056941.D (-1236) (-)

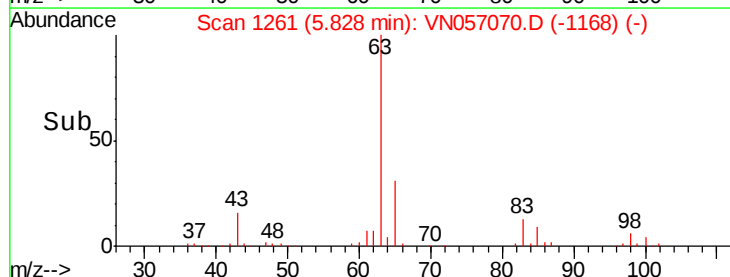
150000

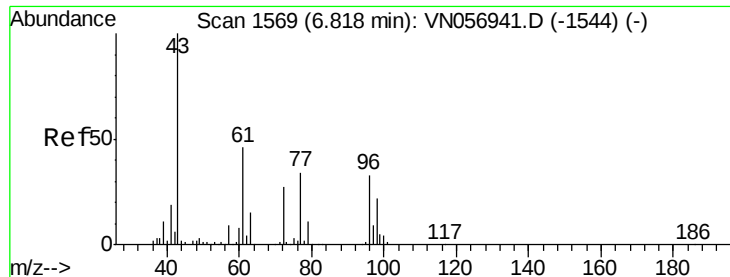
100000

50000

0

Time-->

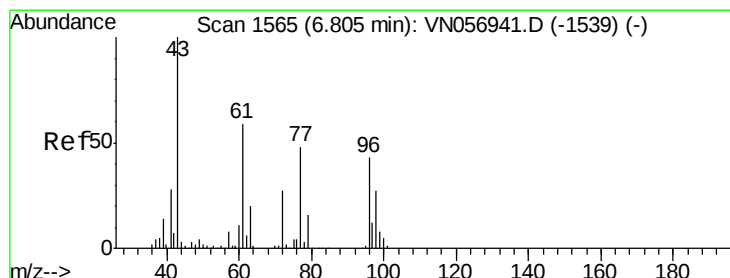
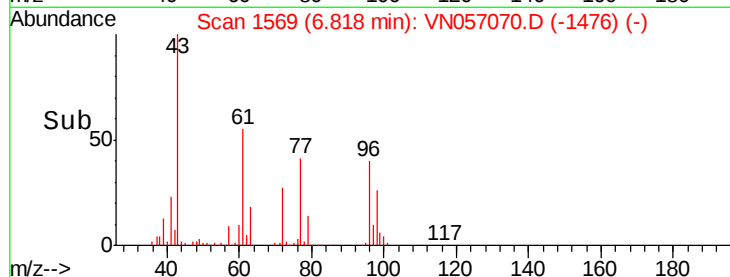
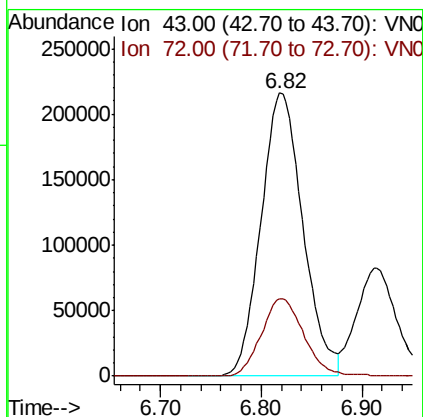
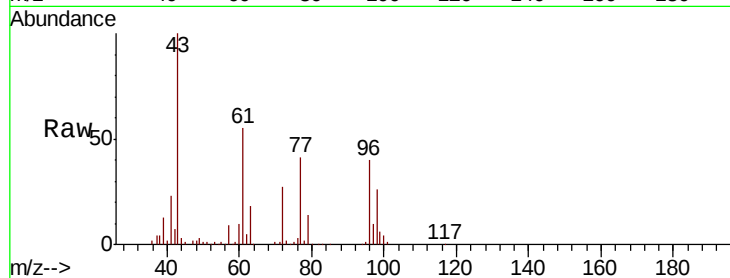




#25
2-Butanone
Concen: 254.366 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

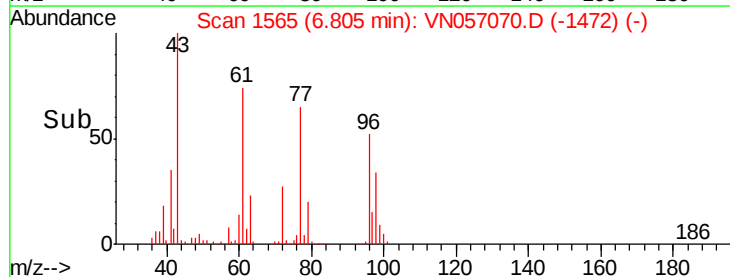
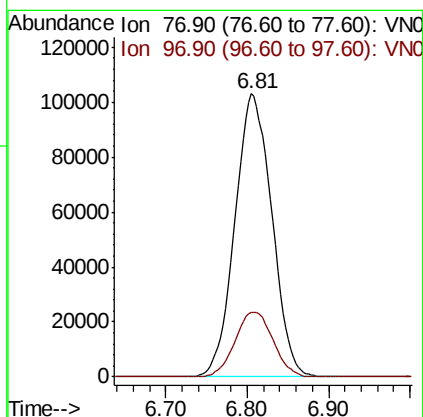
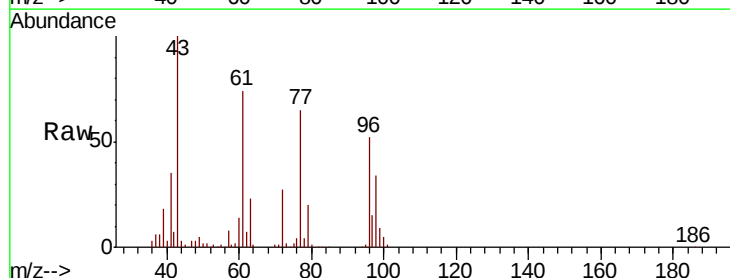
Instrument :
MSVOA_N
ClientSampleId :

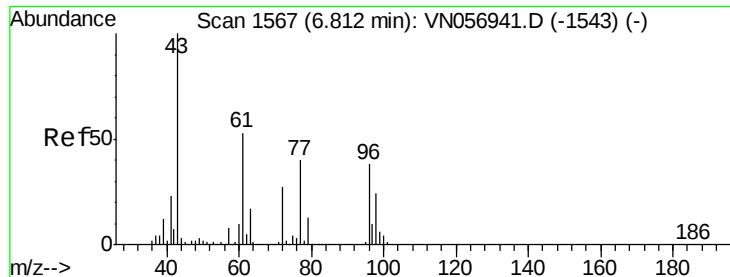
Tot Ion: 43 Resp: 623265
Ion Ratio Lower Upper
43 100
72 27.4 21.5 32.3



#26
2,2-Dichloropropane
Concen: 52.475 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 77 Resp: 323161
Ion Ratio Lower Upper
77 100
97 23.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.185 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :

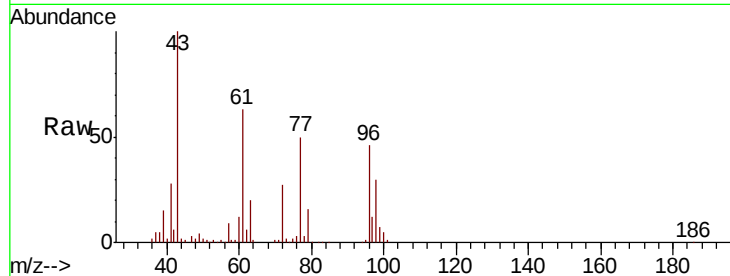
Tot Ion: 96 Resp: 263335

Ion Ratio Lower Upper

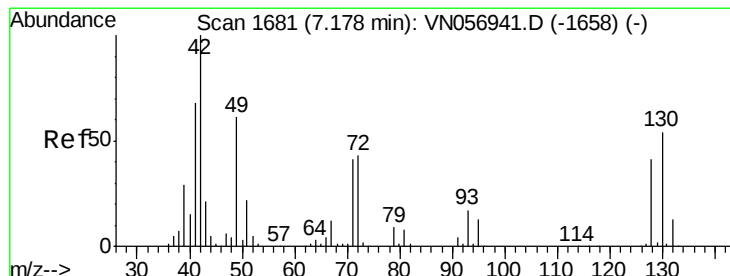
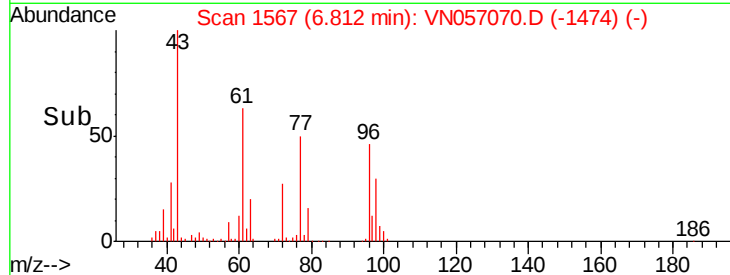
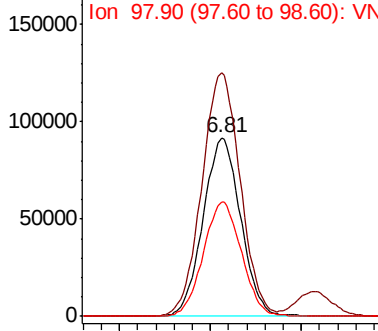
96 100

61 139.1 0.0 277.2

98 65.0 0.0 128.4



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



#28

Bromochloromethane

Concen: 47.367 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

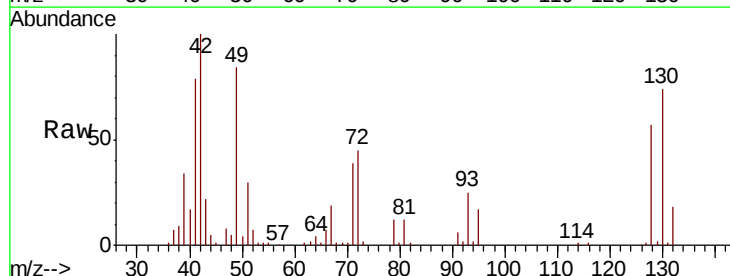
Tgt Ion: 49 Resp: 180324

Ion Ratio Lower Upper

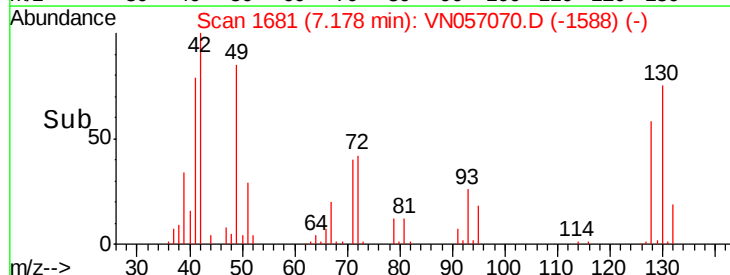
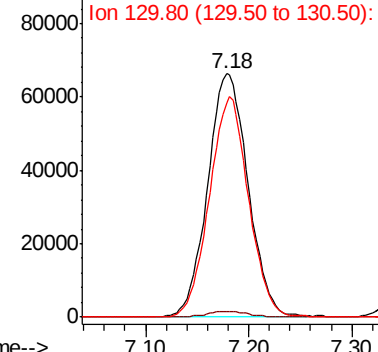
49 100

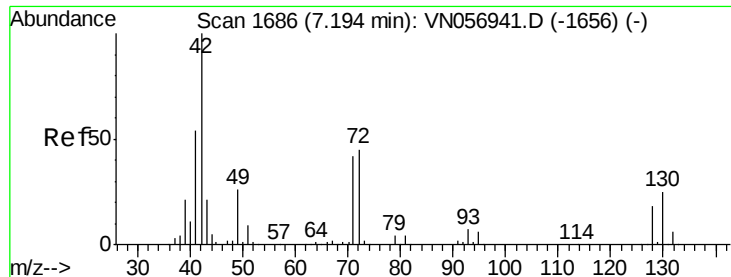
129 2.4 0.0 4.6

130 87.8 69.0 103.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

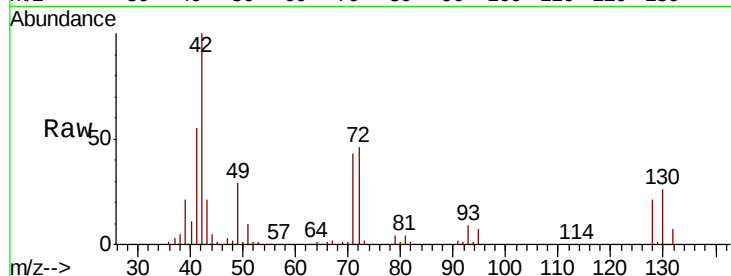




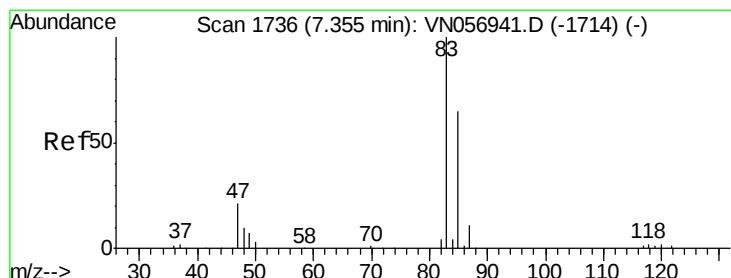
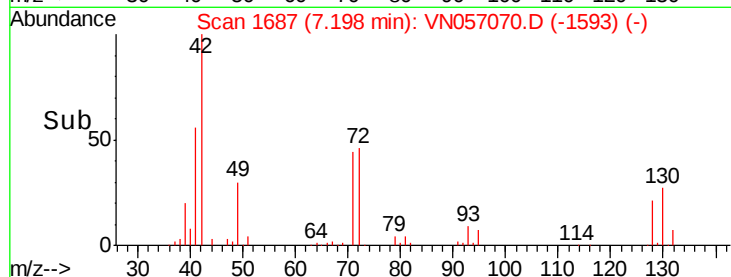
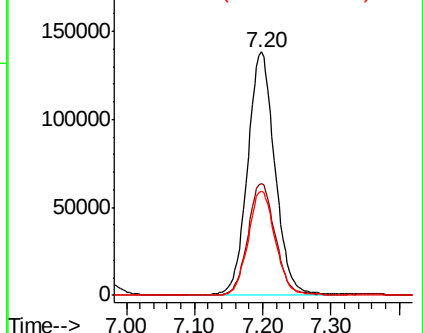
#29
Tetrahydrofuran
Concen: 241.465 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 386022
Ion Ratio Lower Upper
42 100
72 45.8 35.6 53.4
71 42.4 33.5 50.3

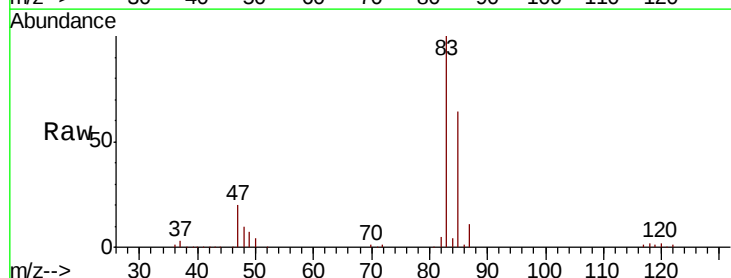


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

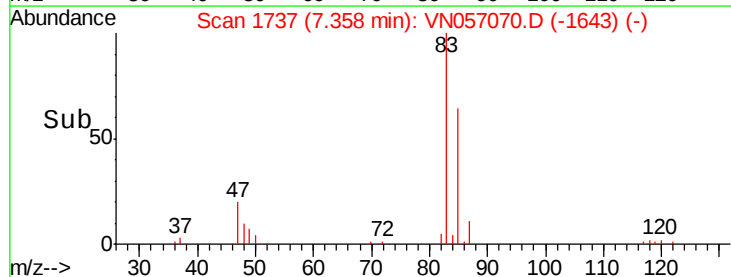
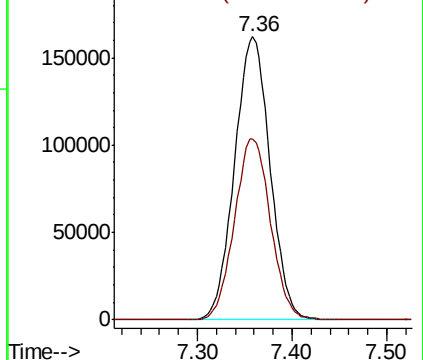


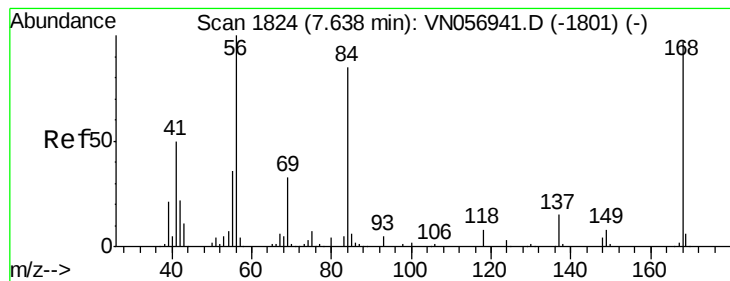
#30
Chloroform
Concen: 51.057 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 83 Resp: 422795
Ion Ratio Lower Upper
83 100
85 63.9 52.2 78.2



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





#31

Cyclohexane

Concen: 46.643 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

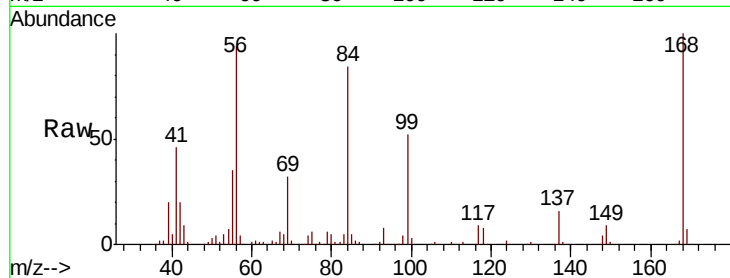
Tot Ion: 56 Resp: 365565

Ion Ratio Lower Upper

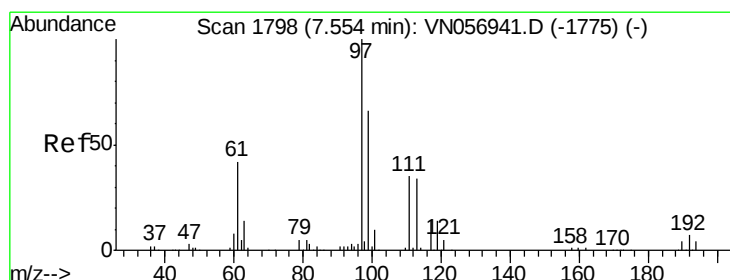
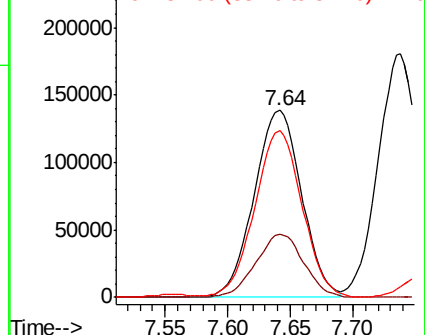
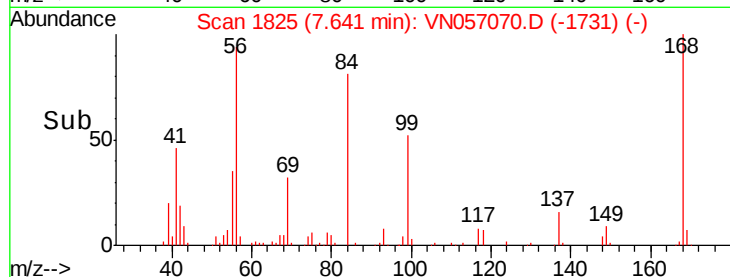
56 100

69 33.9 26.2 39.2

84 87.9 68.2 102.2



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



#32

1,1,1-Trichloroethane

Concen: 53.708 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

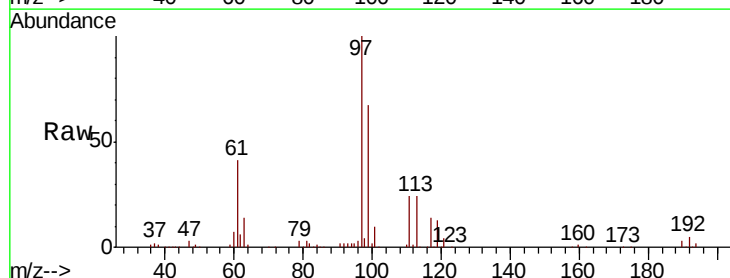
Tgt Ion: 97 Resp: 354860

Ion Ratio Lower Upper

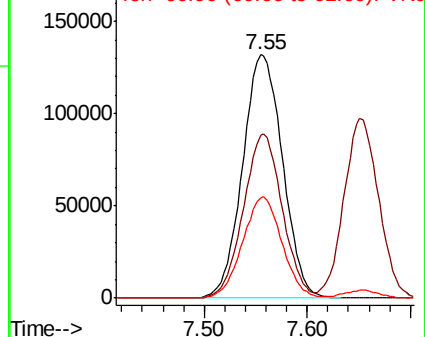
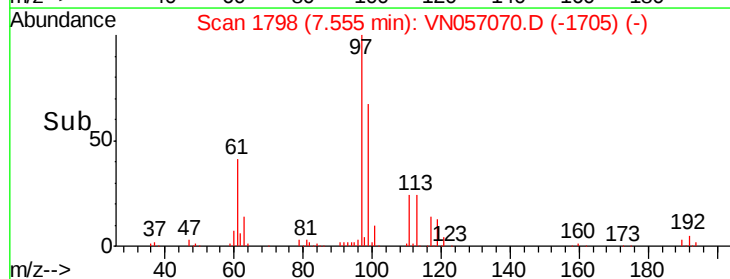
97 100

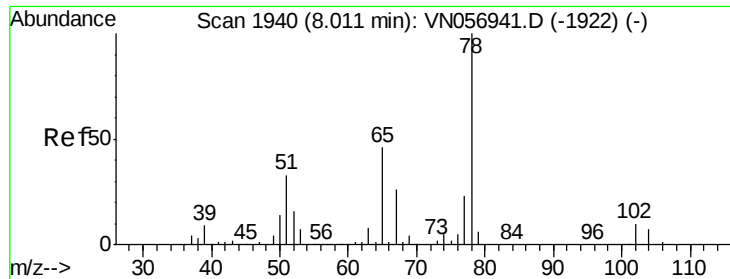
99 65.5 52.3 78.5

61 41.1 33.9 50.9



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

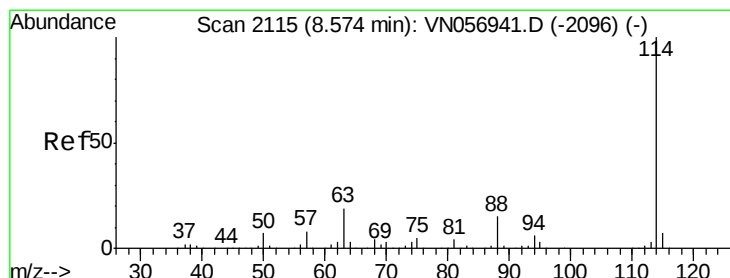
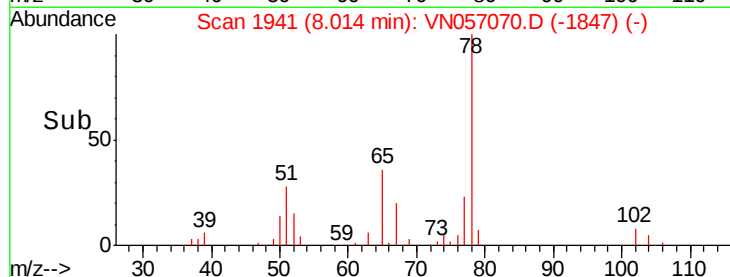
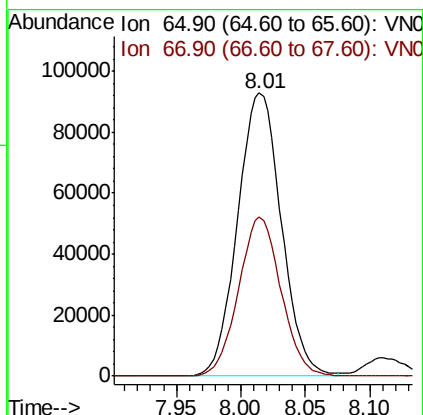
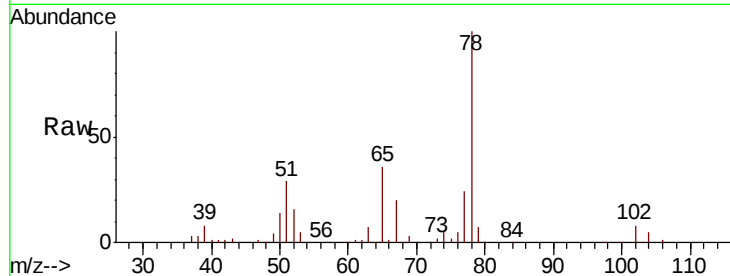




#33
 1,2-Dichloroethane-d4
 Concen: 45.988 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

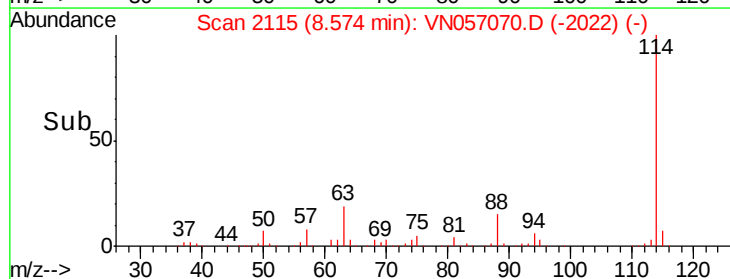
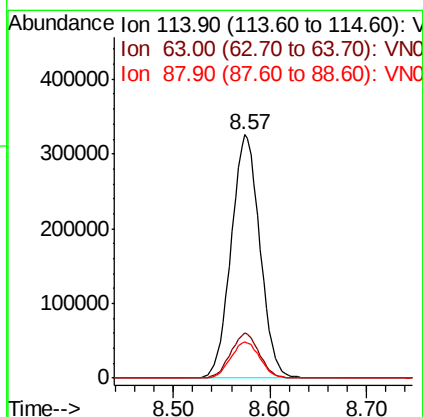
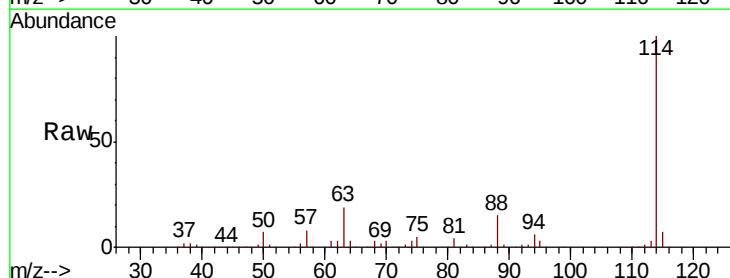
Instrument :
 MSVOA_N
 ClientSampleId :

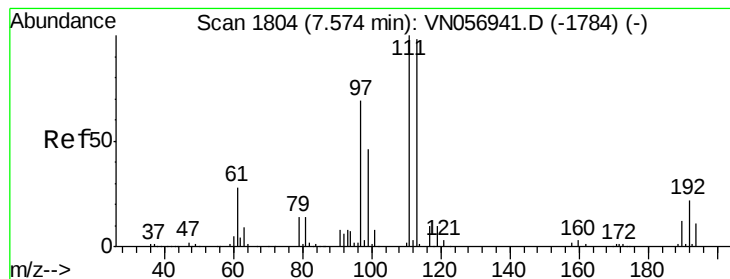
Tot Ion: 65 Resp: 219354
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion: 114 Resp: 672347
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.0
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.250 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampled :

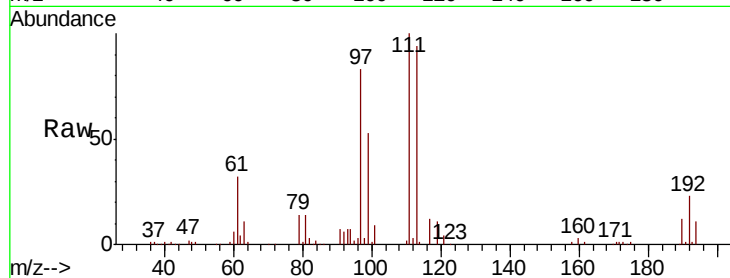
Tot Ion:113 Resp: 203370

Ion Ratio Lower Upper

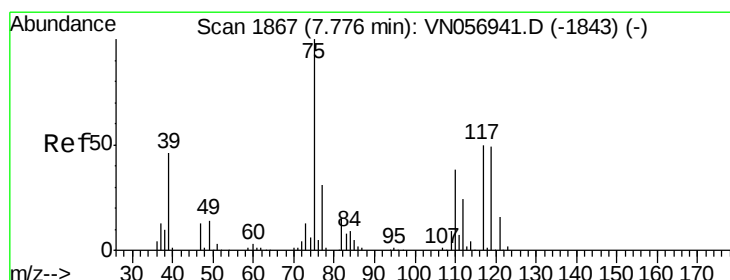
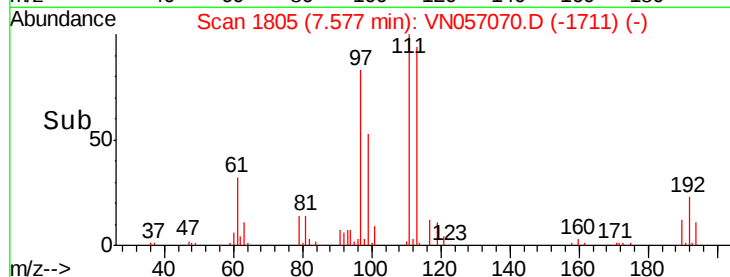
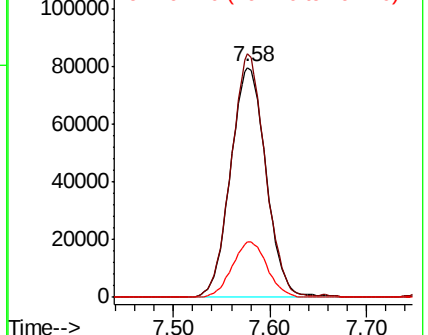
113 100

111 101.9 82.0 123.0

192 23.8 18.4 27.6



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: 52.071 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

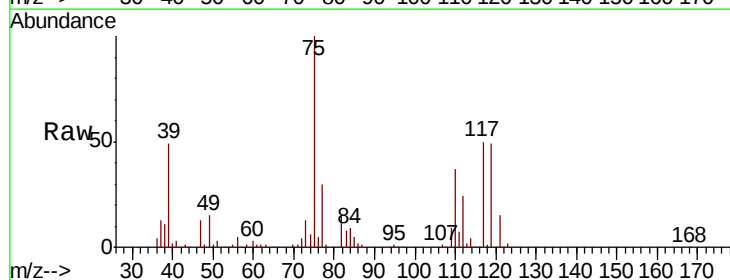
Tgt Ion: 75 Resp: 308060

Ion Ratio Lower Upper

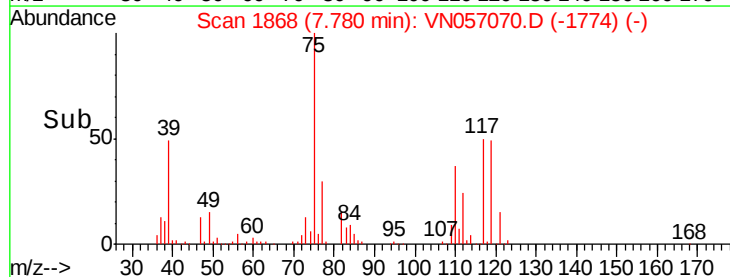
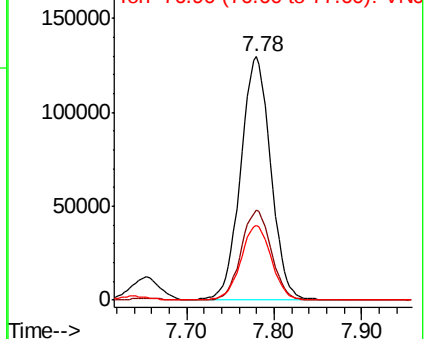
75 100

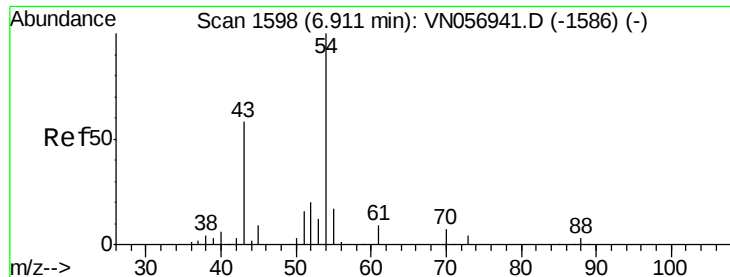
110 36.9 18.6 55.8

77 31.2 25.2 37.8



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

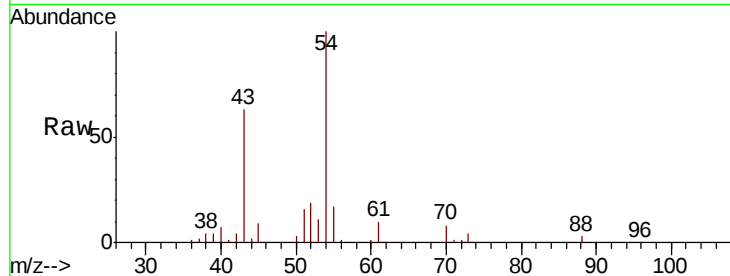




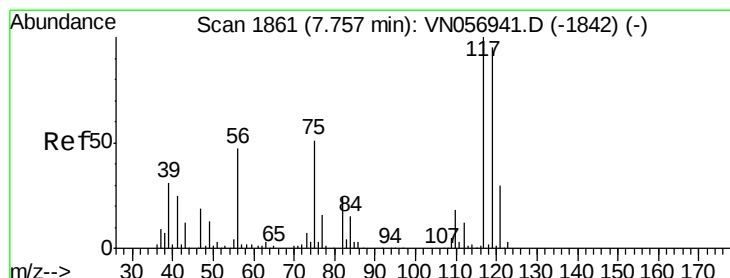
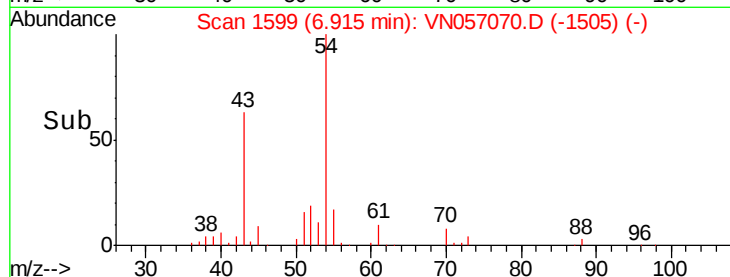
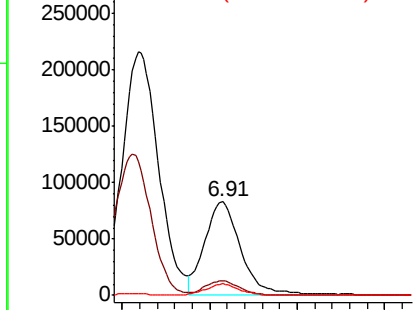
#37
Ethyl Acetate
Concen: 49.130 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 232797
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 11.5 8.5 12.7

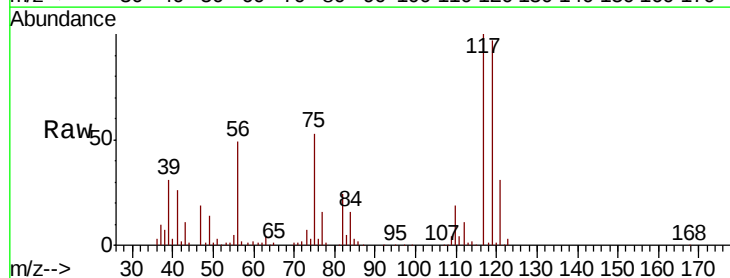


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

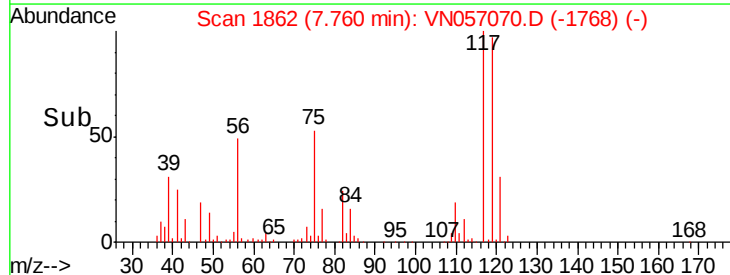
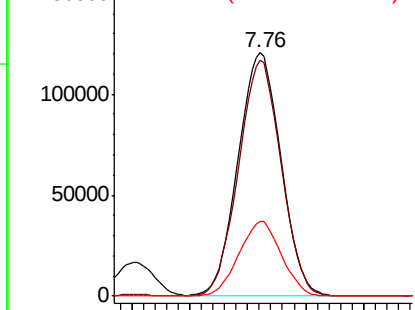


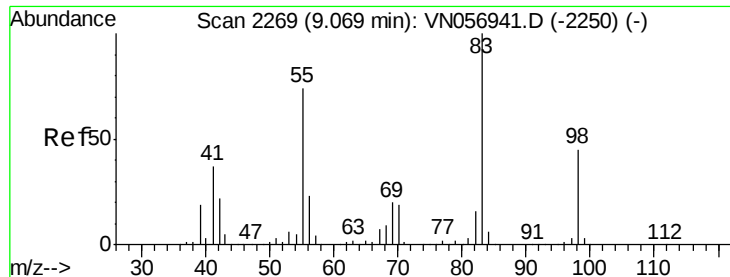
#38
Carbon Tetrachloride
Concen: 55.497 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 117 Resp: 310568
Ion Ratio Lower Upper
117 100
119 97.0 75.3 112.9
121 30.6 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

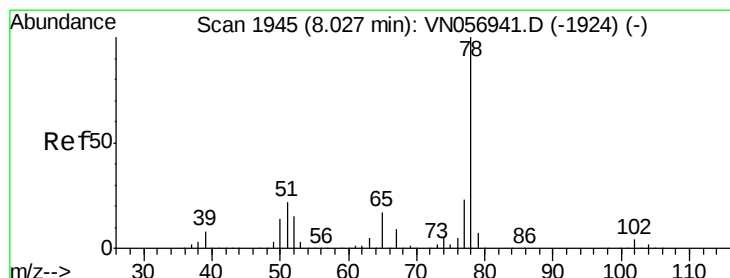
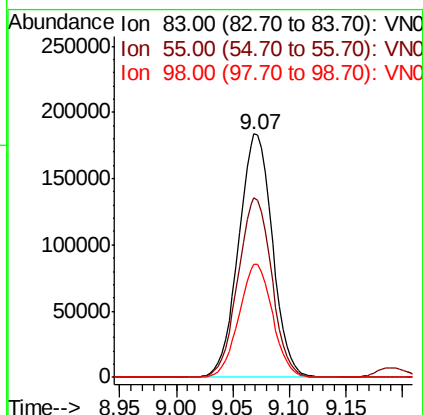
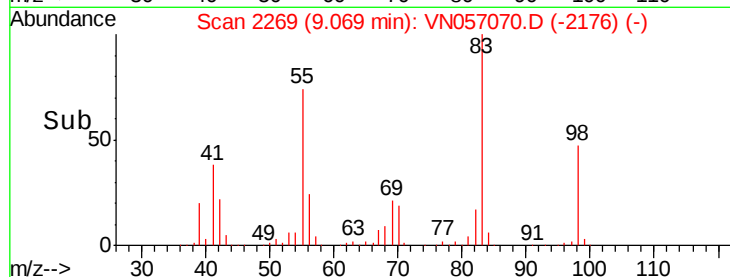
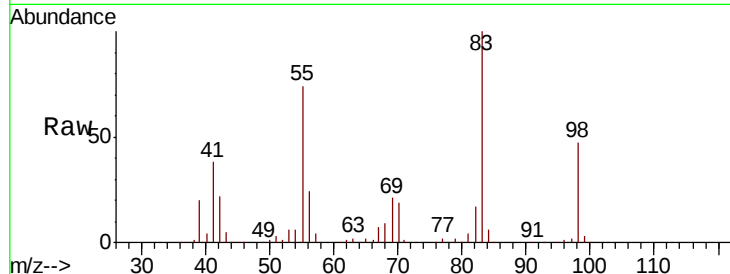




#39
Methvlcvclohexane
Concen: 50.732 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

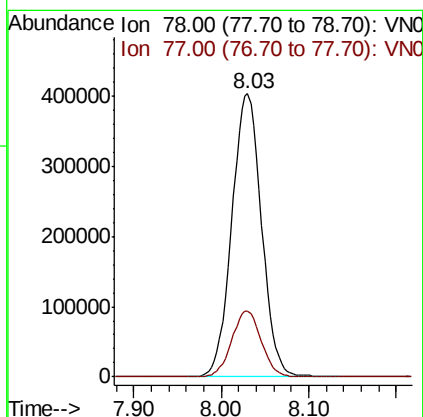
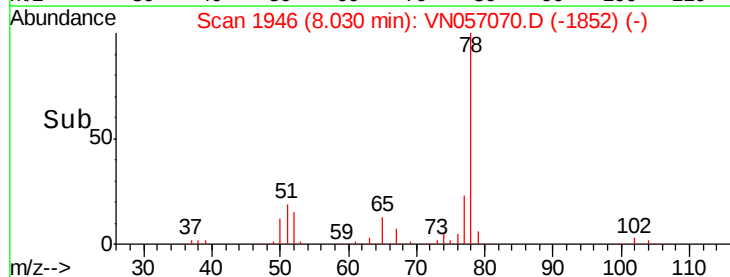
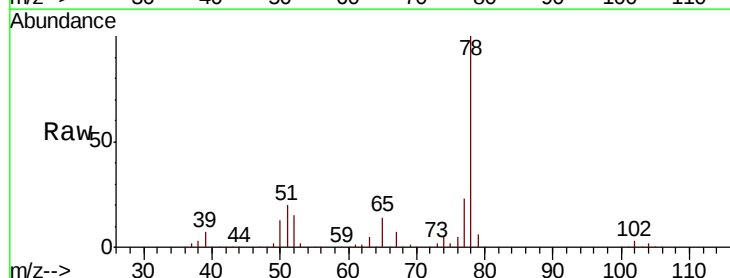
Instrument :
MSVOA_N
ClientSampled :

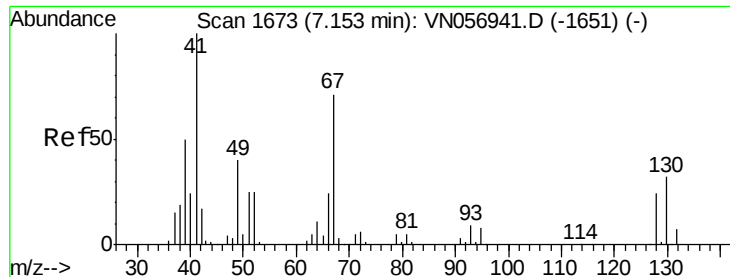
Tot Ion: 83 Resp: 383603
Ion Ratio Lower Upper
83 100
55 73.8 59.0 88.6
98 46.6 36.2 54.4



#40
Benzene
Concen: 52.080 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 78 Resp: 949008
Ion Ratio Lower Upper
78 100
77 23.3 18.3 27.5

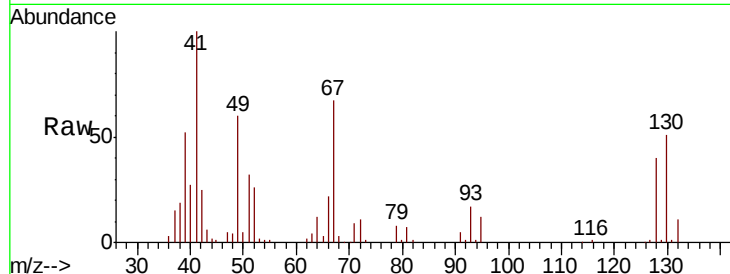




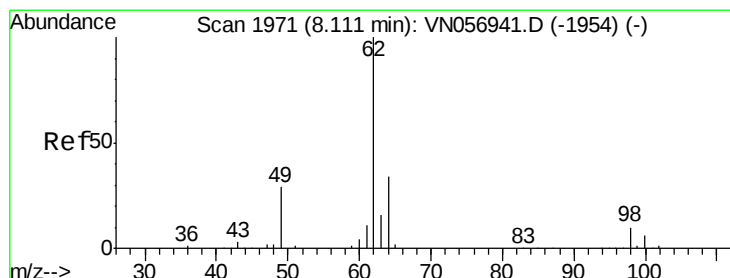
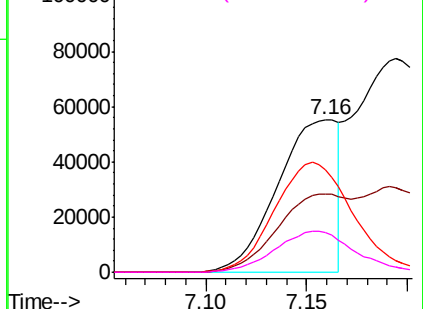
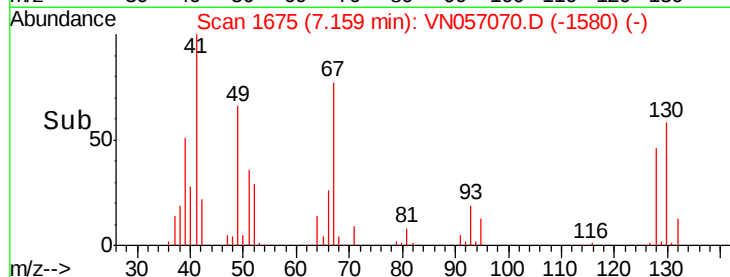
#41
Methacrylonitrile
Concen: 52.432 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 114852
Ion Ratio Lower Upper
41 100
39 60.0 48.9 73.3
67 94.5 83.4 125.0
52 34.7 30.9 46.3

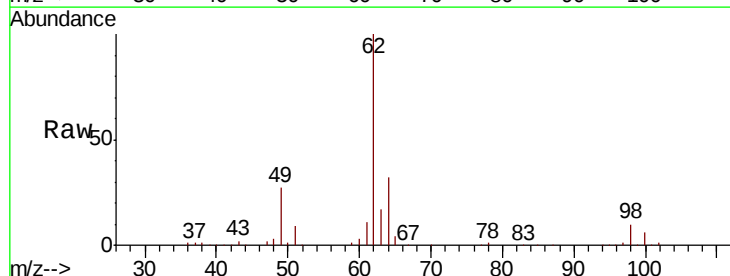


Abundance Ion 41.00 (40.70 to 41.70): VNO
120000 Ion 39.00 (38.70 to 39.70): VNO
100000 Ion 67.00 (66.70 to 67.70): VNO
80000 Ion 52.00 (51.70 to 52.70): VNO

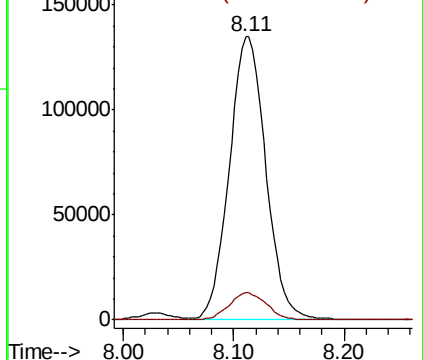
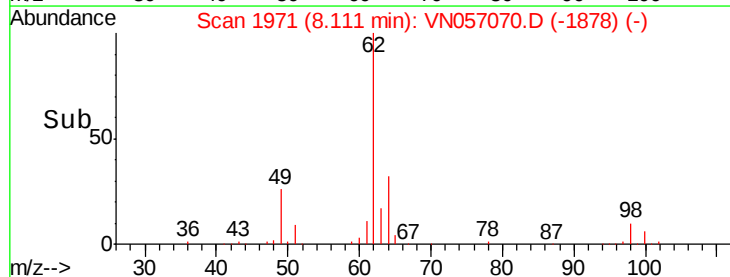


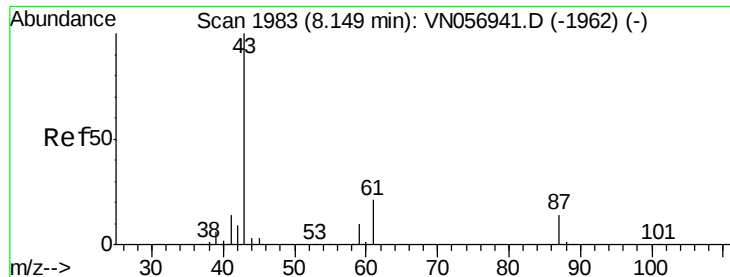
#42
1,2-Dichloroethane
Concen: 53.920 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 62 Resp: 307935
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
150000 Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 50.550 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

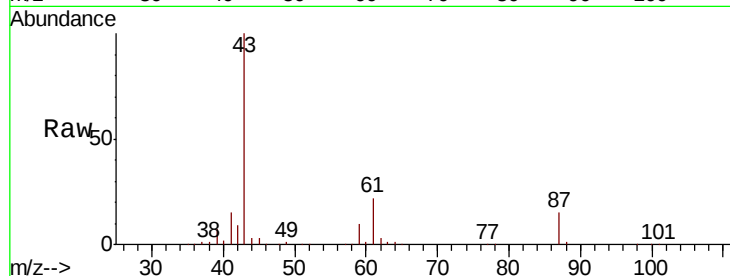
Tot Ion: 43 Resp: 395890

Ion Ratio Lower Upper

43 100

61 30.0 23.0 34.6

87 14.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)

8.15

250000

200000

150000

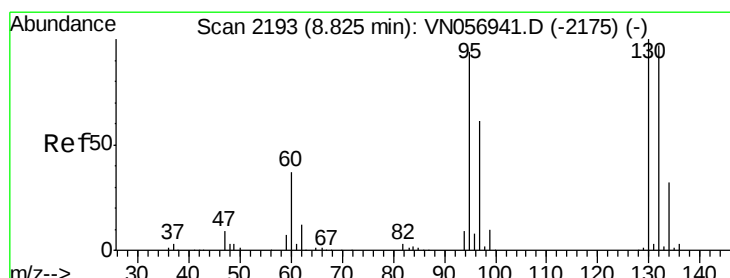
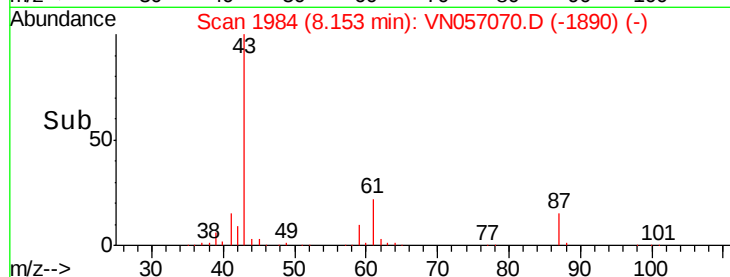
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 53.236 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057070.D

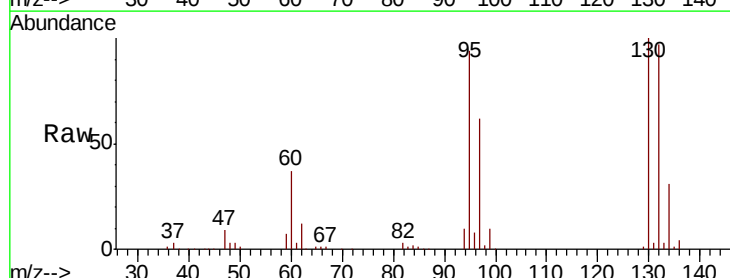
Acq: 5 Aug 2019 9:27

Tgt Ion:130 Resp: 267252

Ion Ratio Lower Upper

130 100

95 93.6 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

8.82

150000

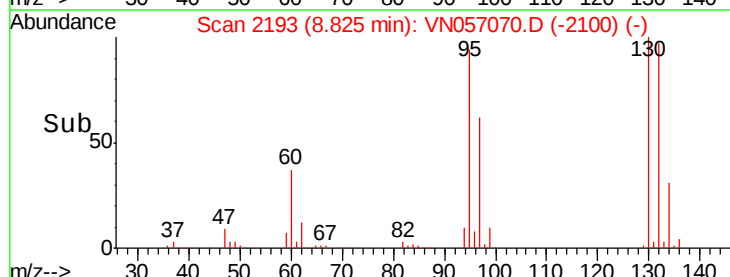
100000

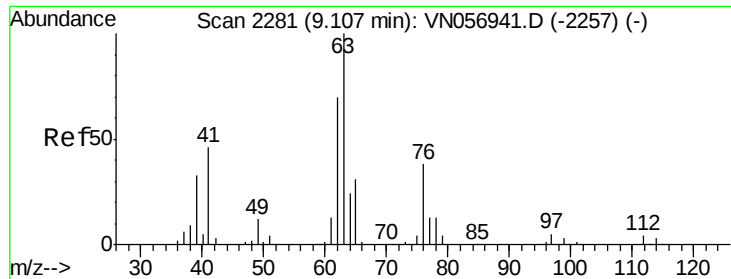
50000

0

8.70 8.80 8.90 9.00

Time-->





#45

1,2-Dichloropropane

Concen: 52.460 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

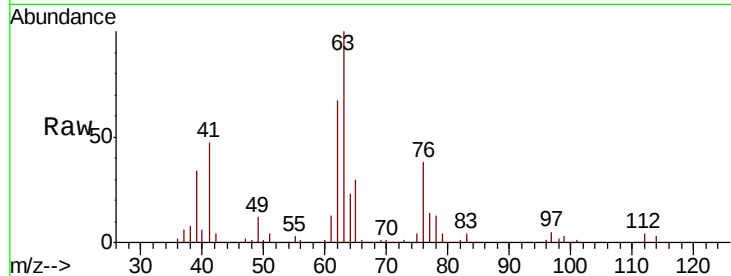
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 255690

Ion Ratio Lower Upper

63 100

65 30.2 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN057070.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN057070.D (-2188) (-)

9.11

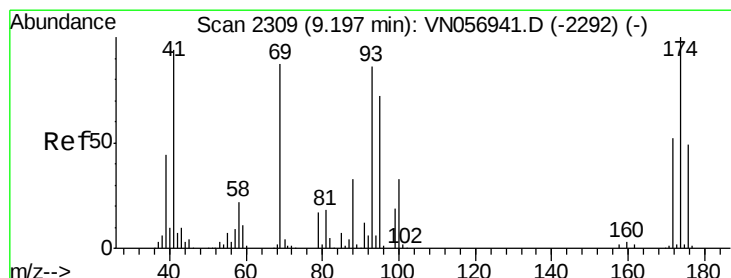
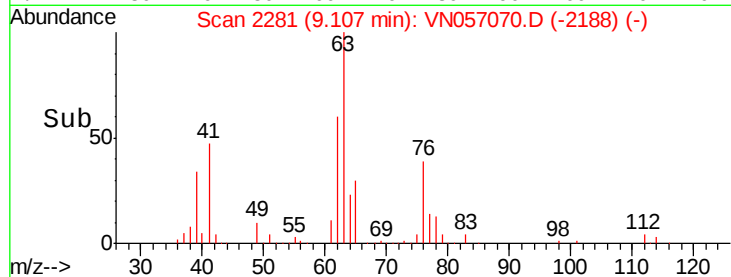
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 54.432 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

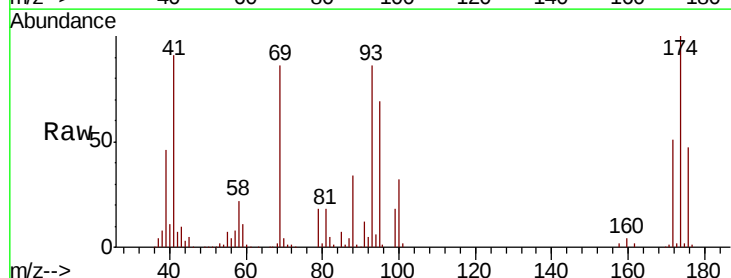
Tgt Ion: 93 Resp: 159995

Ion Ratio Lower Upper

93 100

95 83.1 67.0 100.6

174 121.0 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VN057070.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN057070.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN057070.D (-2216) (-)

9.20

120000

100000

80000

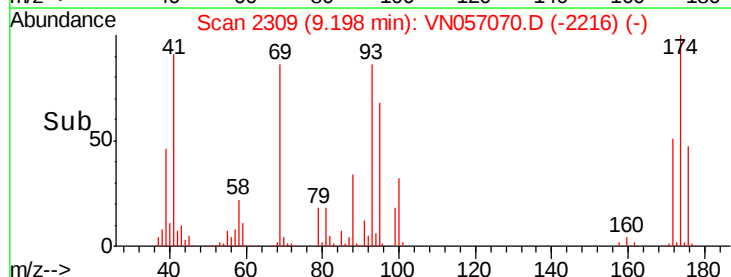
60000

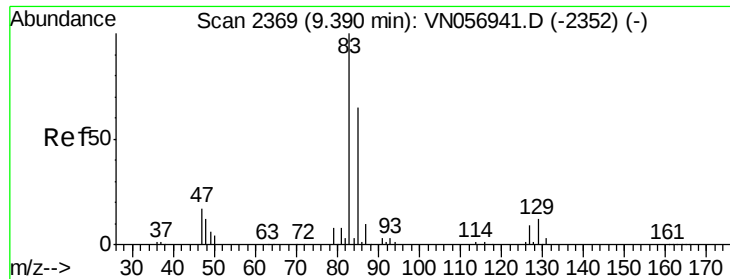
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 55.851 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampled :

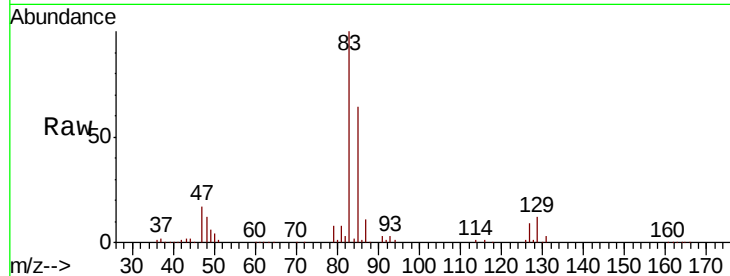
Tot Ion: 83 Resp: 322769

Ion Ratio Lower Upper

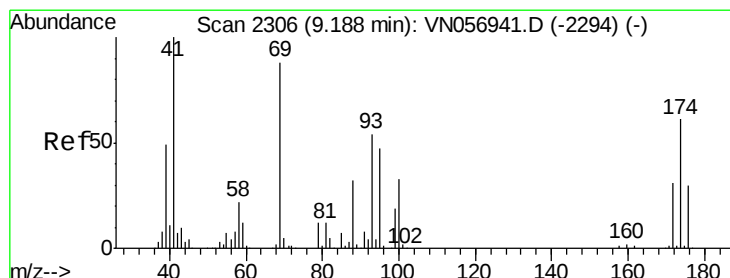
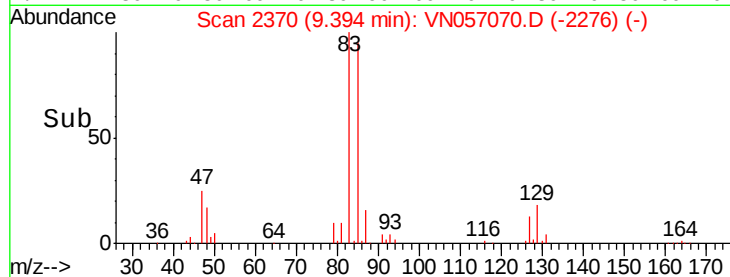
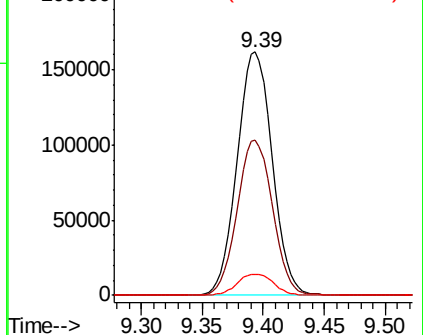
83 100

85 63.6 51.6 77.4

127 8.8 7.3 10.9



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



#48

Methyl methacrylate

Concen: 51.512 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

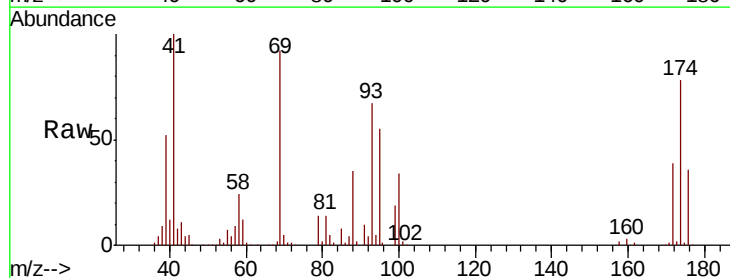
Tgt Ion: 41 Resp: 194773

Ion Ratio Lower Upper

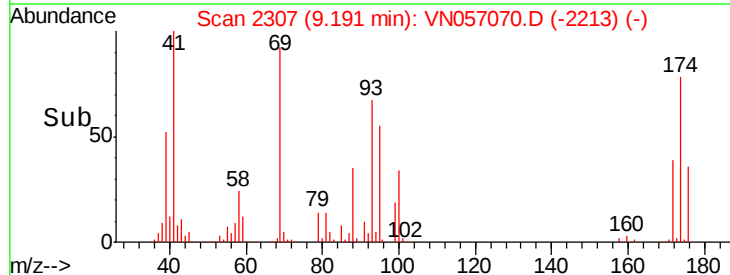
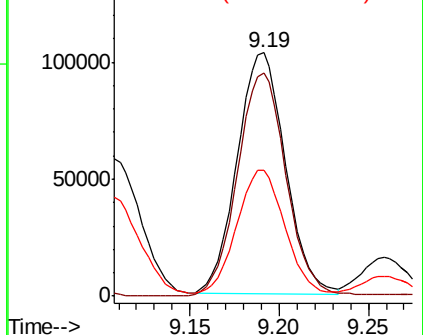
41 100

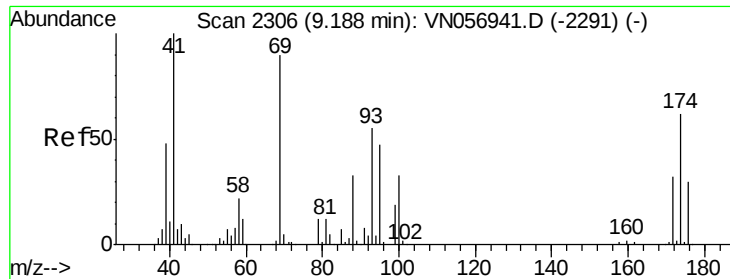
69 94.0 73.4 110.0

39 52.5 39.9 59.9



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





#49

1,4-Dioxane

Concen: 1058.693 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :

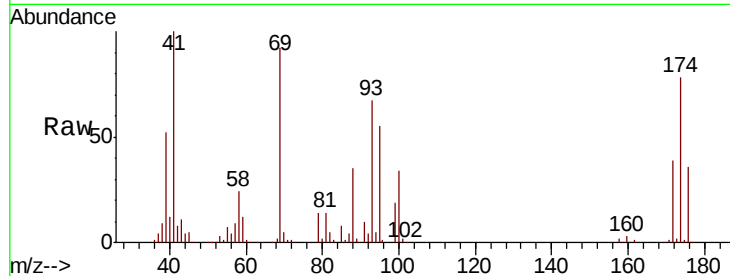
Tot Ion: 88 Resp: 82494

Ion Ratio Lower Upper

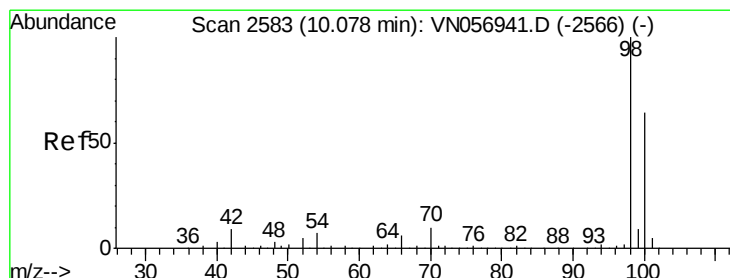
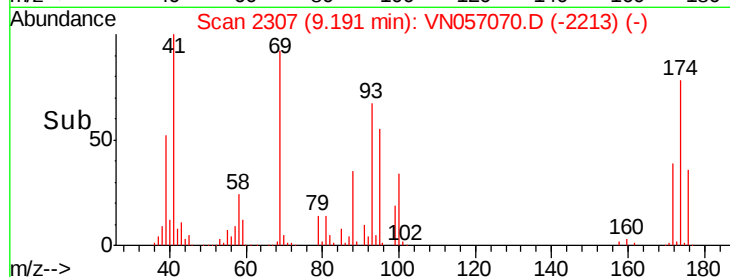
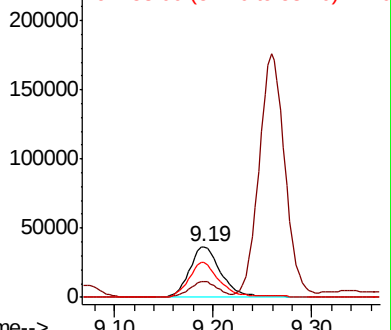
88 100

43 27.6 22.2 33.2

58 65.3 54.1 81.1



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



#50

Toluene-d8

Concen: 46.130 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057070.D

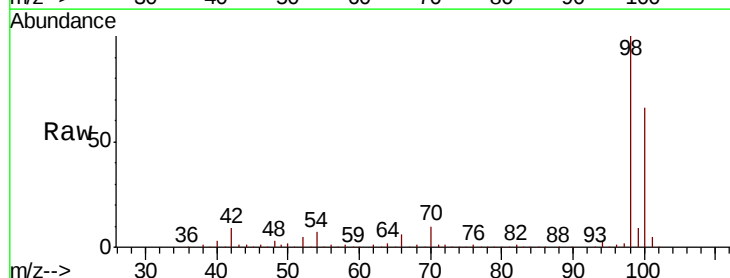
Acq: 5 Aug 2019 9:27

Tgt Ion: 98 Resp: 757167

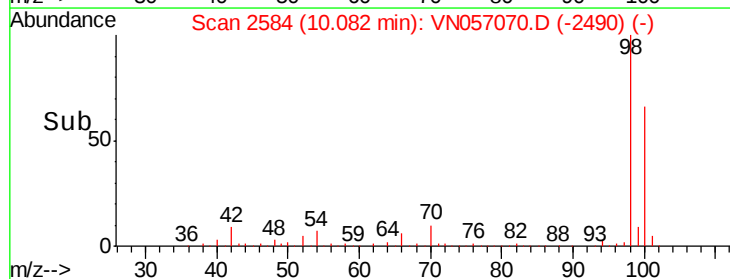
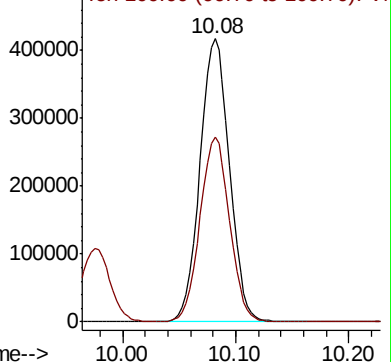
Ion Ratio Lower Upper

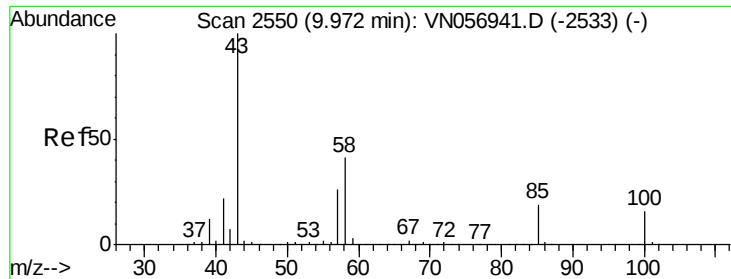
98 100

100 65.2 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 255.976 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

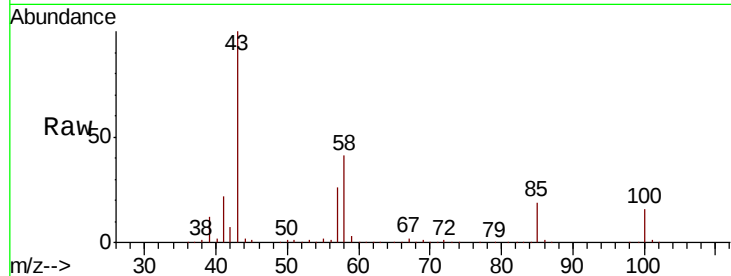
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1191128

Ion Ratio Lower Upper

43 100

58 41.5 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.98

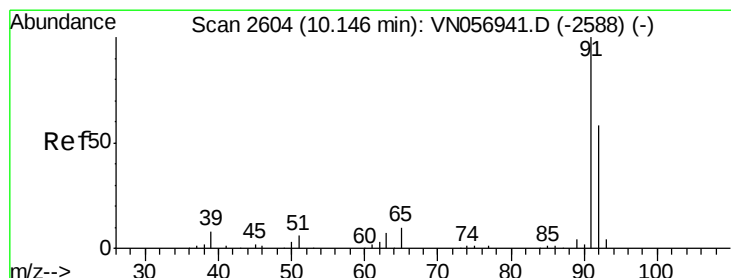
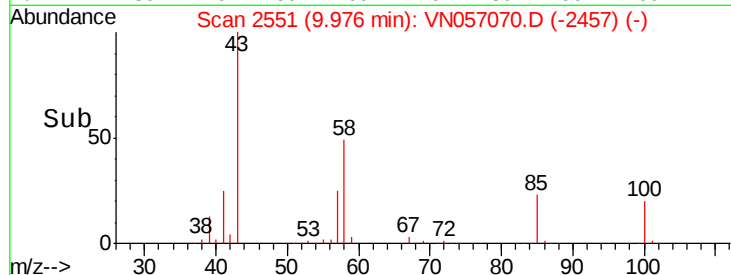
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 54.027 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057070.D

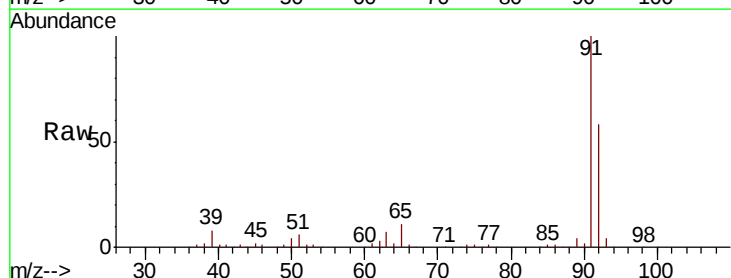
Acq: 5 Aug 2019 9:27

Tgt Ion: 92 Resp: 591482

Ion Ratio Lower Upper

92 100

91 175.1 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

10.15

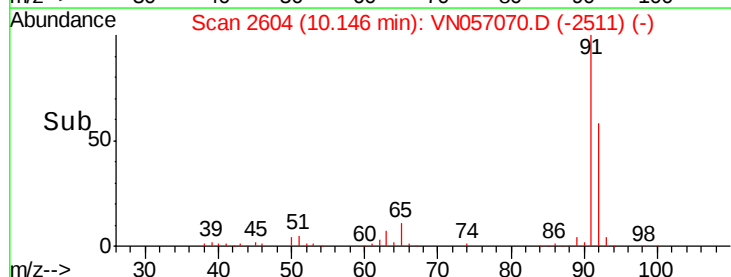
600000

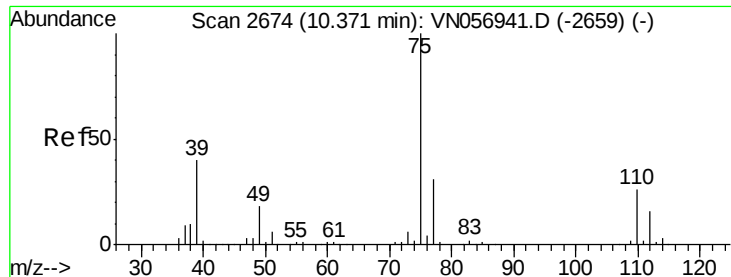
400000

200000

0

Time-->

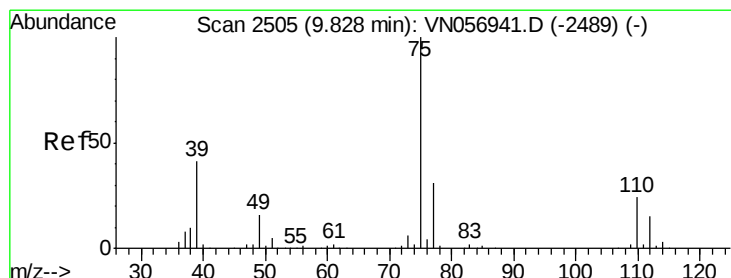
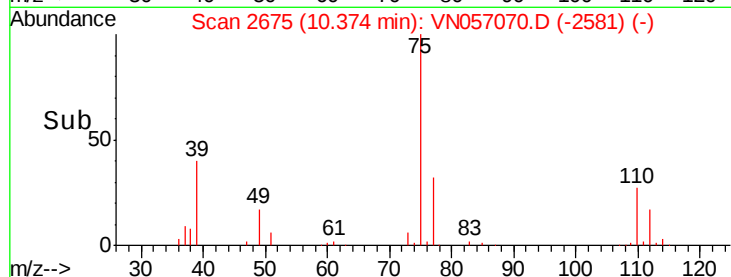
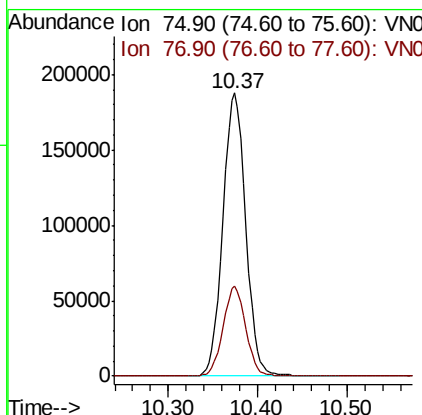
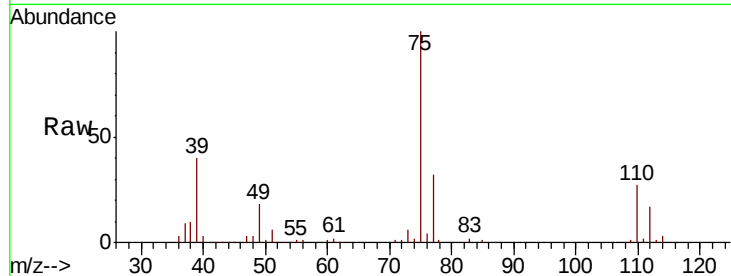




#53
 t-1,3-Dichloropropene
 Concen: 55.441 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

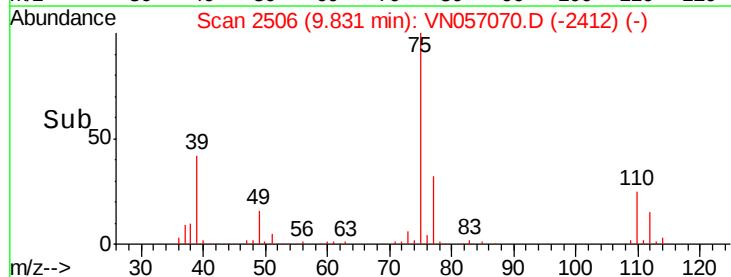
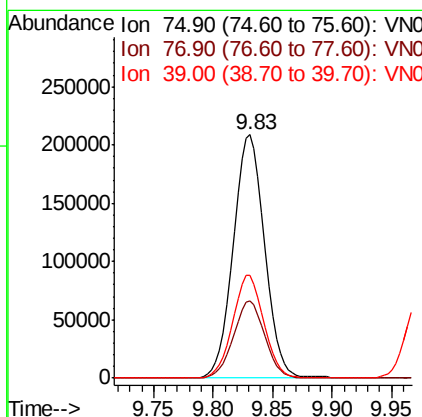
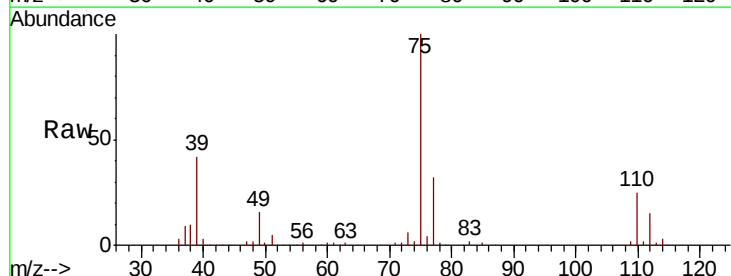
Instrument :
 MSVOA_N
 ClientSampleId :

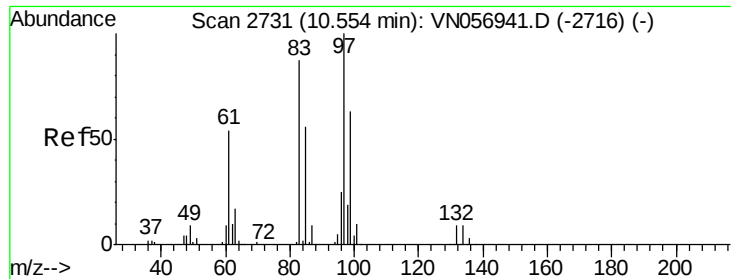
Tot Ion: 75 Resp: 332483
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 54.684 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion: 75 Resp: 381301
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6
 39 42.1 32.6 49.0

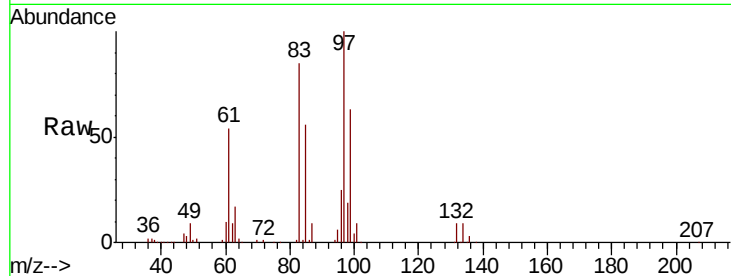




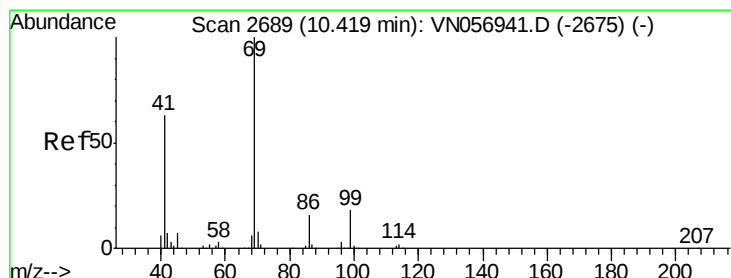
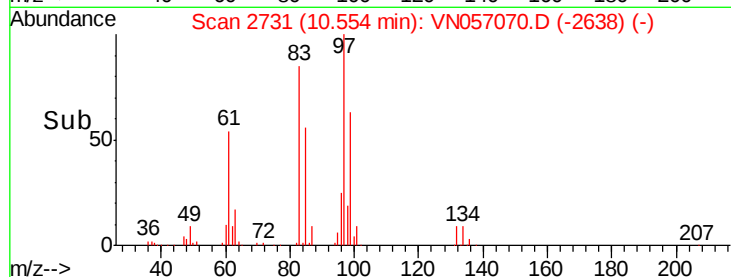
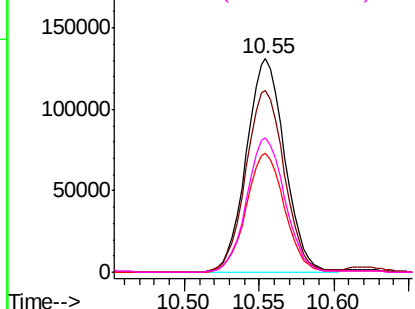
#55
 1,1,2-Trichloroethane
 Concen: 53.416 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	234525
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.4	104.0
85	55.6	44.7	67.1
99	62.5	50.1	75.1

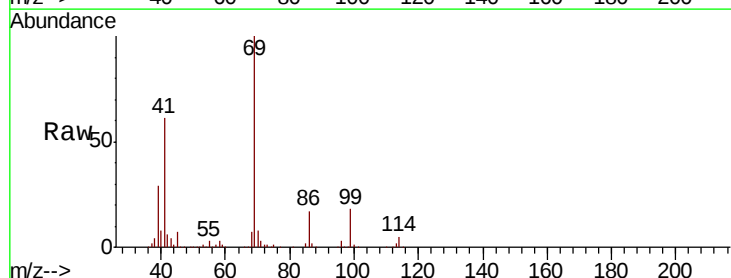


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

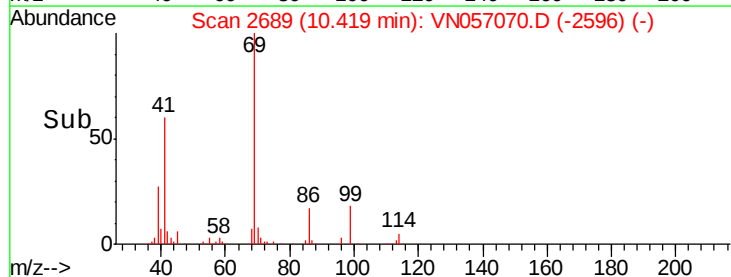
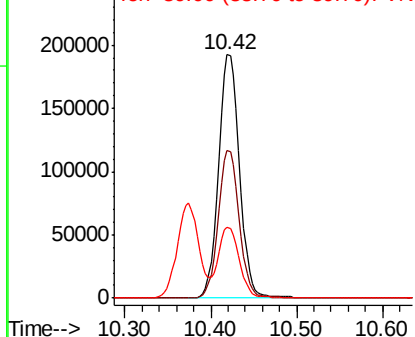


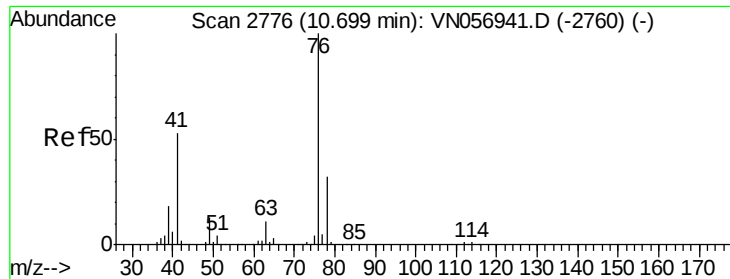
#56
 Ethyl methacrylate
 Concen: 49.094 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion:	69	Resp:	325299
Ion	Ratio	Lower	Upper
69	100		
41	60.3	49.2	73.8
39	28.7	23.1	34.7



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

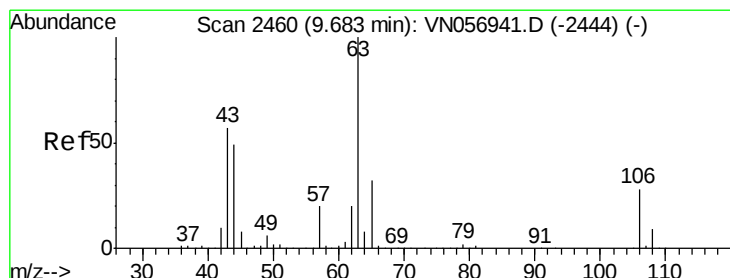
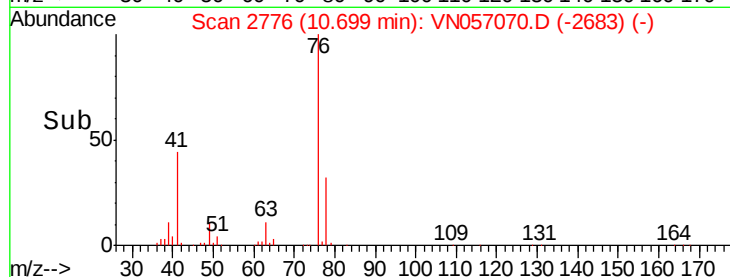
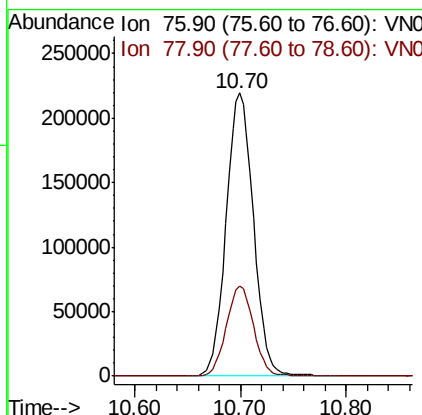
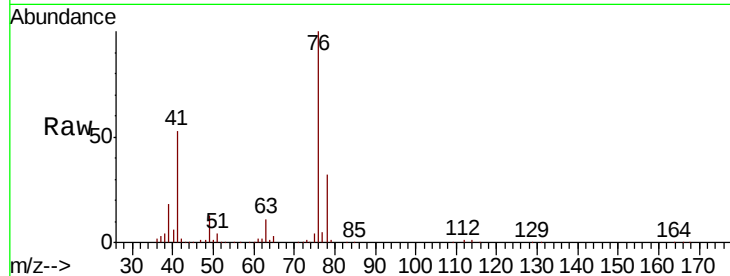




#57
 1,3-Dichloropropane
 Concen: 53.858 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

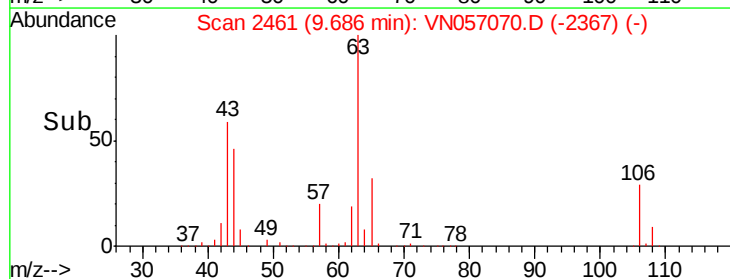
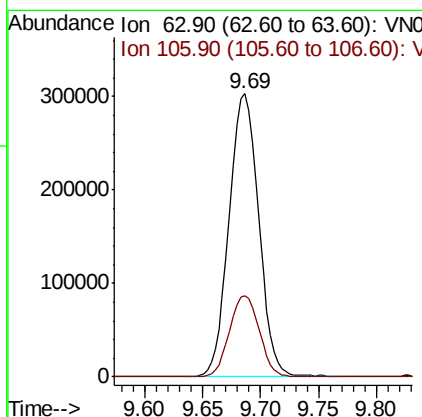
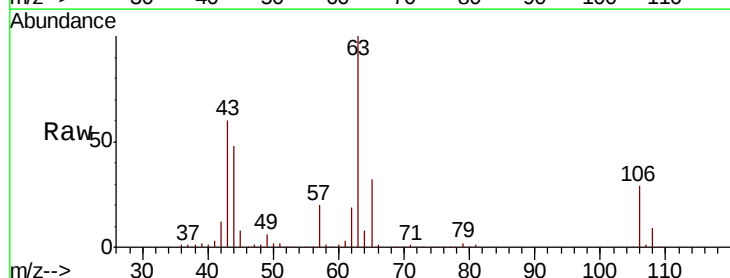
Instrument :
 MSVOA_N
 ClientSampled :

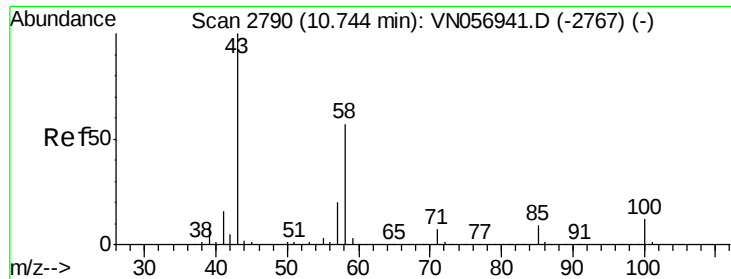
Tot Ion: 76 Resp: 392110
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 204.311 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion: 63 Resp: 537544
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.0 33.0

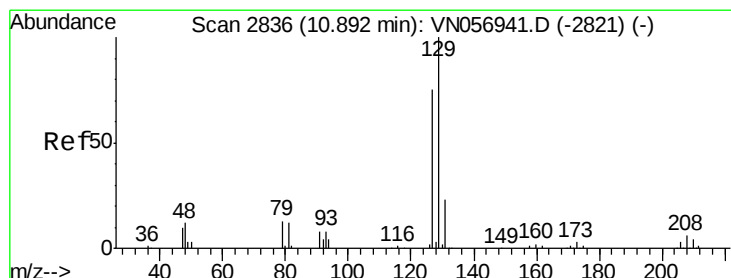
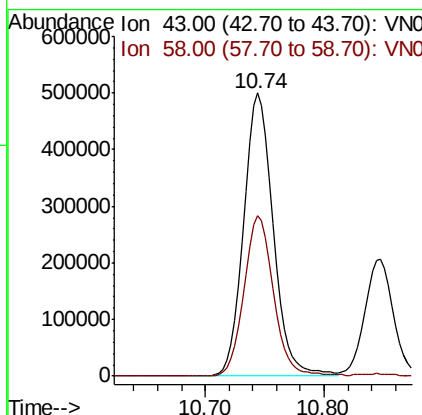
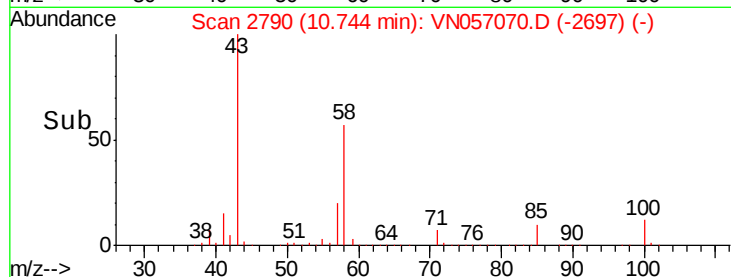
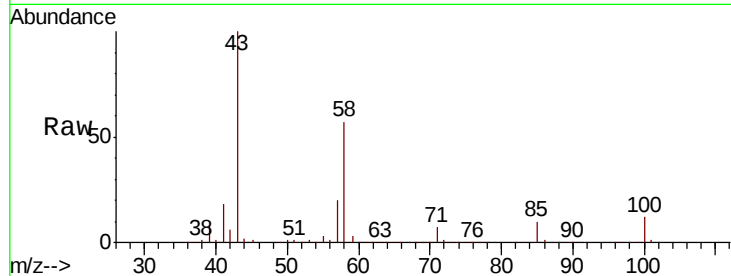




#59
2-Hexanone
Concen: 240.211 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

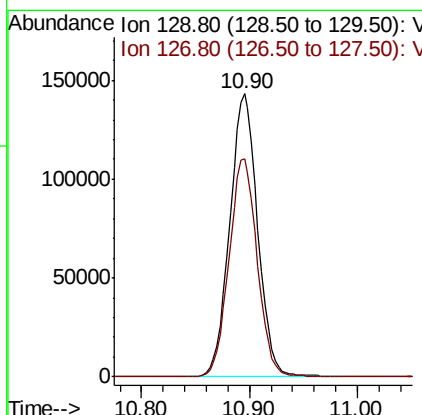
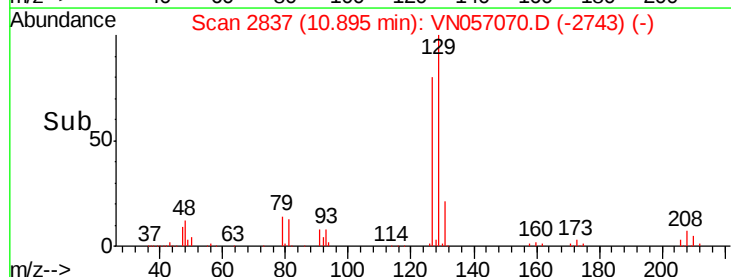
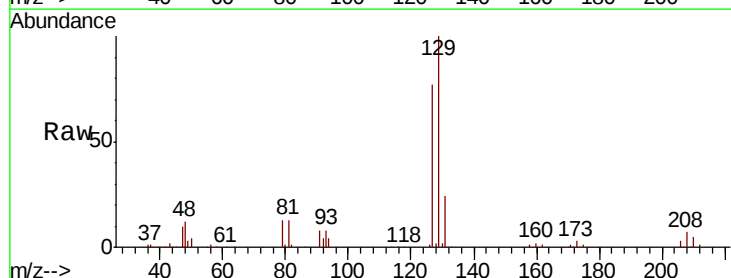
Instrument :
MSVOA_N
ClientSampled :

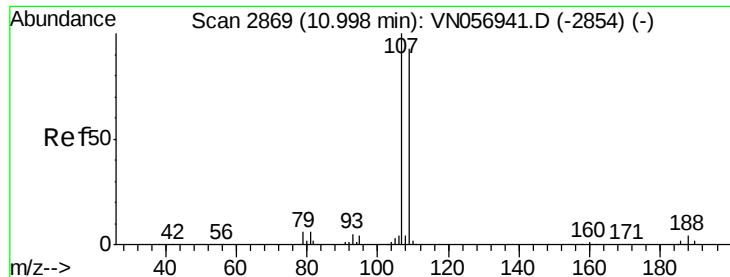
Tot Ion: 43 Resp: 860438
Ion Ratio Lower Upper
43 100
58 56.7 28.5 85.5



#60
Dibromochloromethane
Concen: 57.341 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 129 Resp: 257926
Ion Ratio Lower Upper
129 100
127 77.6 38.0 113.9

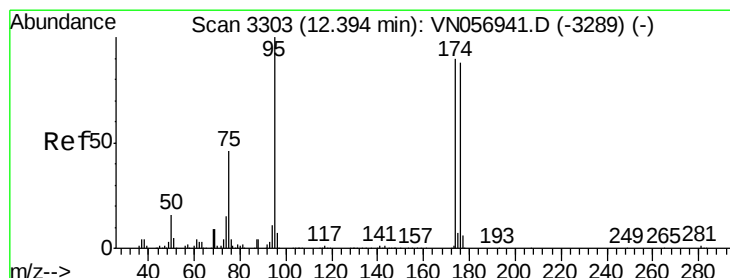
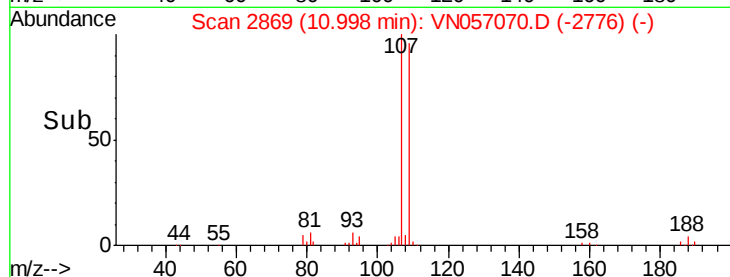
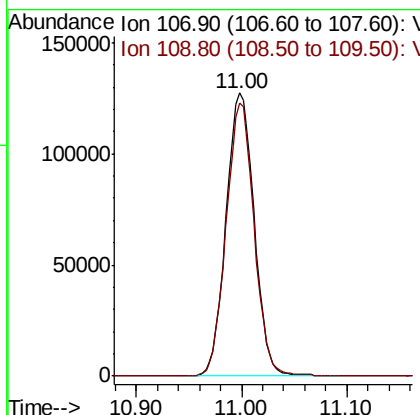
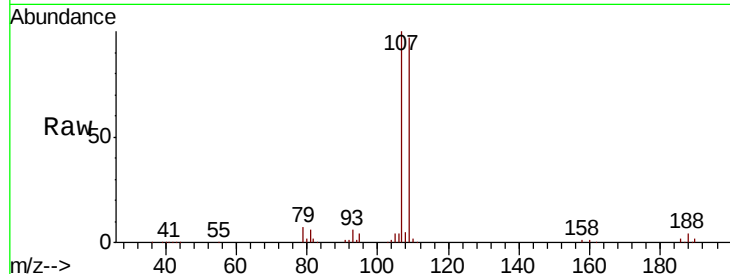




#61
 1,2-Dibromoethane
 Concen: 54.861 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

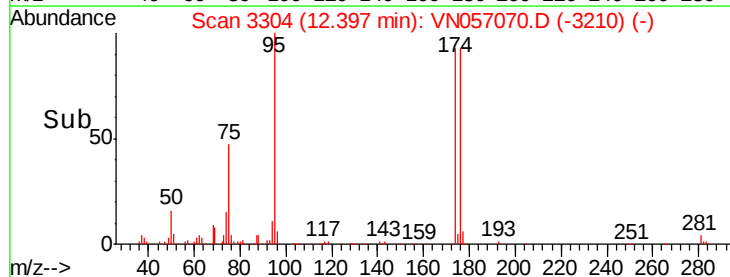
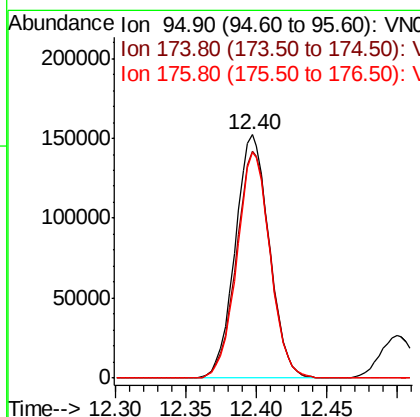
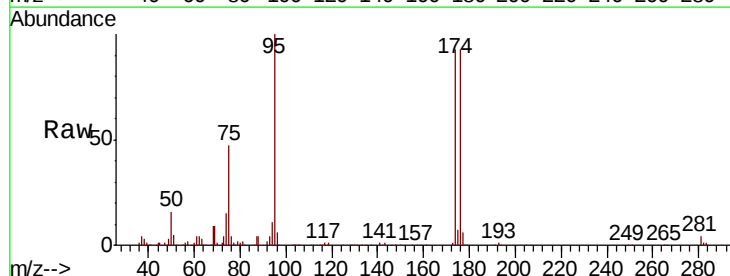
Instrument :
 MSVOA_N
 ClientSampled :

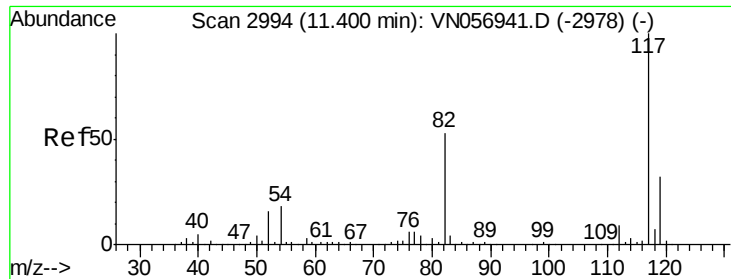
Tot Ion: 107 Resp: 235060
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 48.075 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion: 95 Resp: 256884
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 182.2
 176 90.3 0.0 179.4

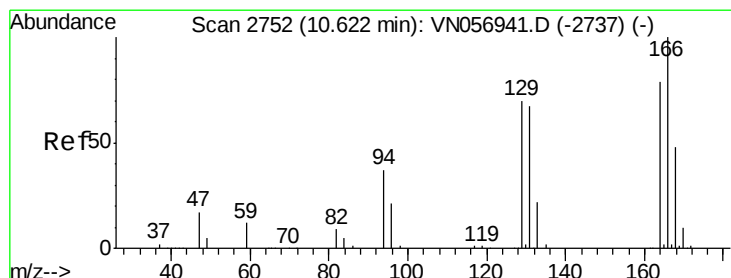
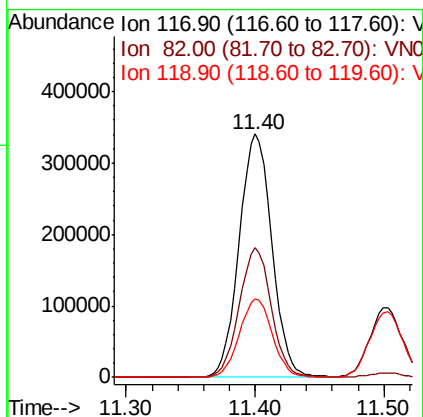
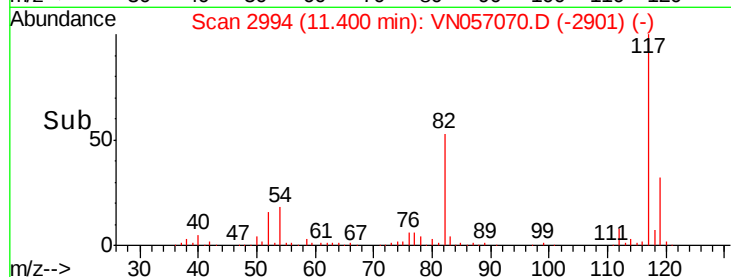
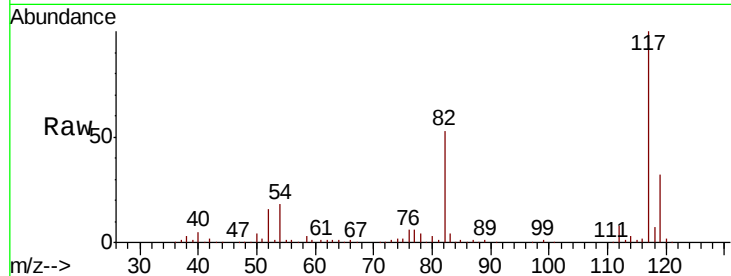




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

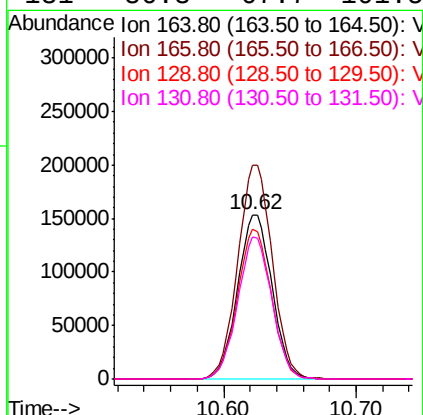
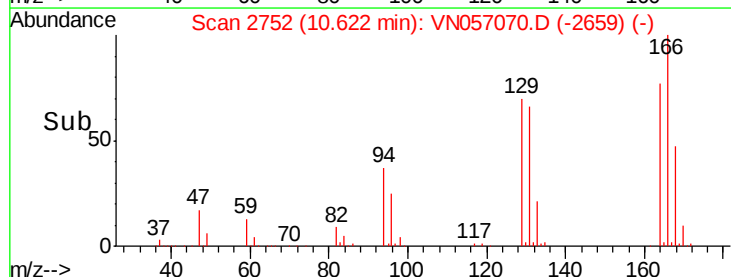
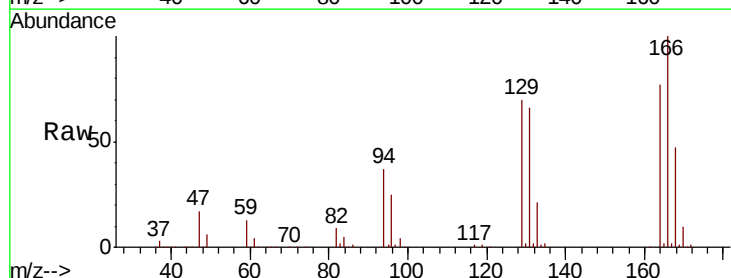
Instrument :
MSVOA_N
ClientSampled :

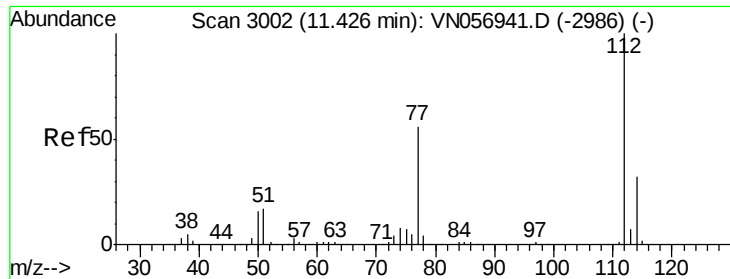
Tot Ion:117 Resp: 602666
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.4
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 53.309 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion:164 Resp: 276856
Ion Ratio Lower Upper
164 100
166 130.0 101.1 151.7
129 91.1 70.9 106.3
131 86.3 67.7 101.5

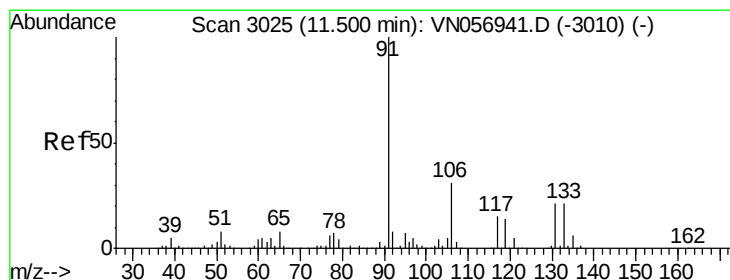
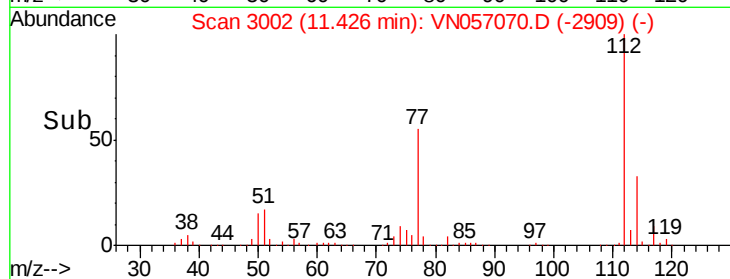
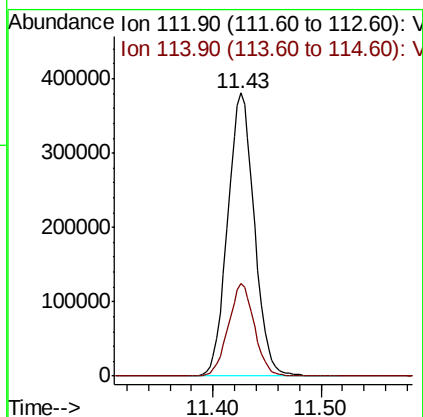
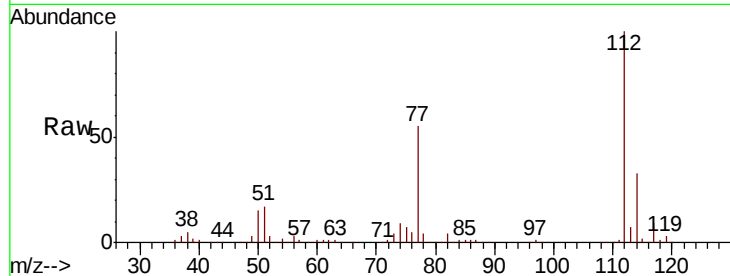




#65
Chlorobenzene
Concen: 53.444 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

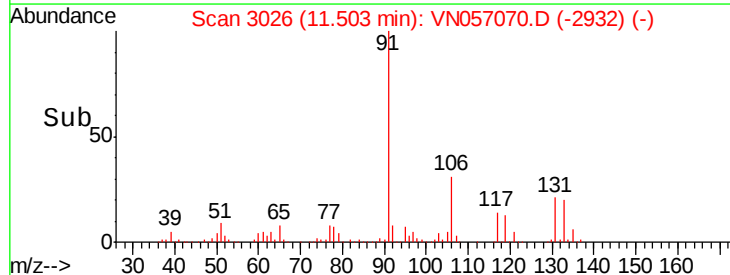
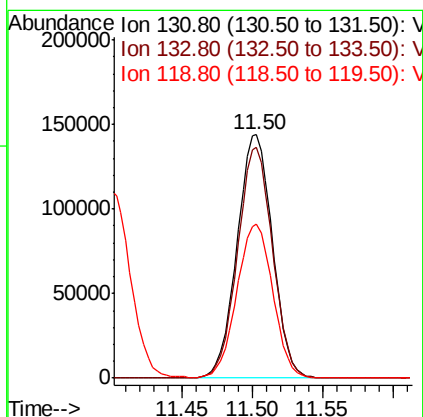
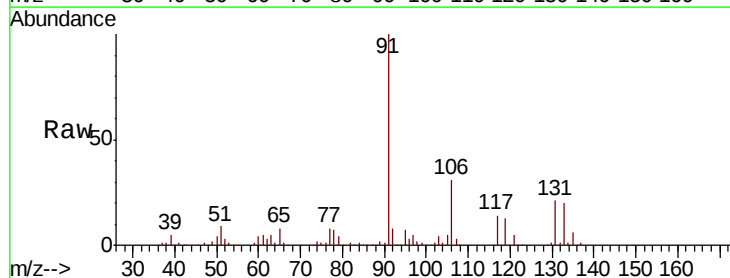
Instrument :
MSVOA_N
ClientSampled :

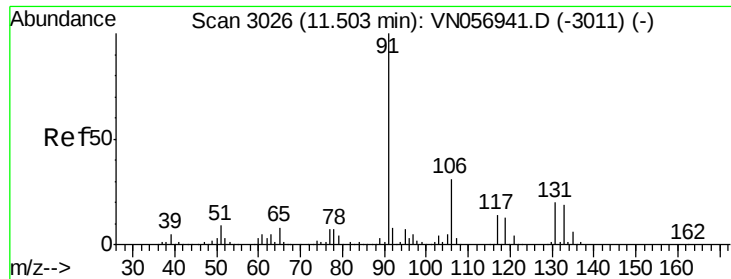
Tot Ion:112 Resp: 656464
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 54.682 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion:131 Resp: 252803
Ion Ratio Lower Upper
131 100
133 94.0 48.0 144.0
119 64.6 33.2 99.6

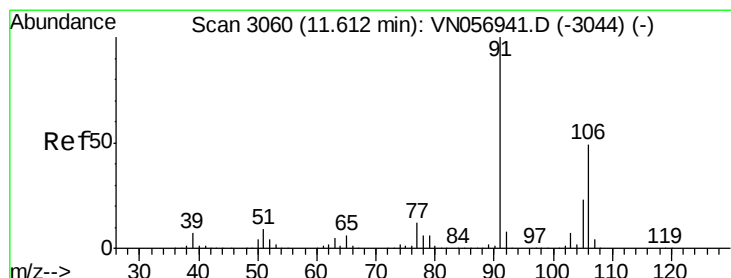
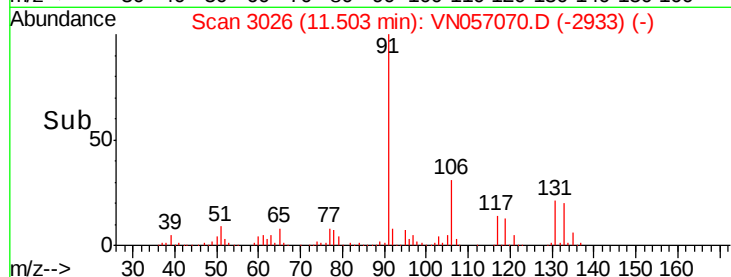
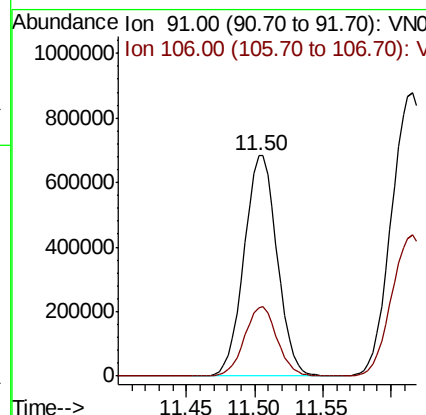
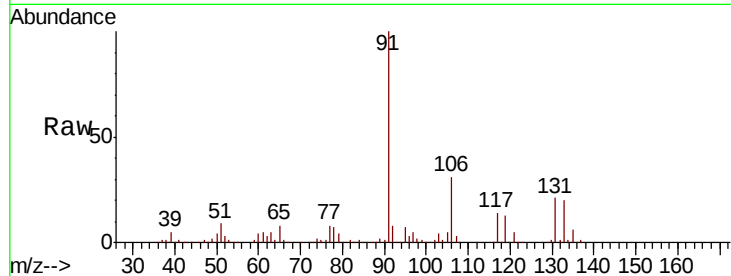




#67
Ethyl Benzene
Concen: 54.237 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

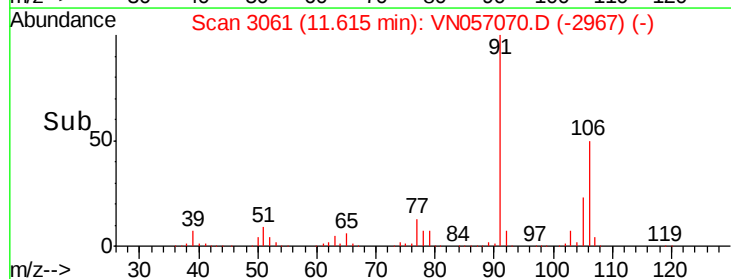
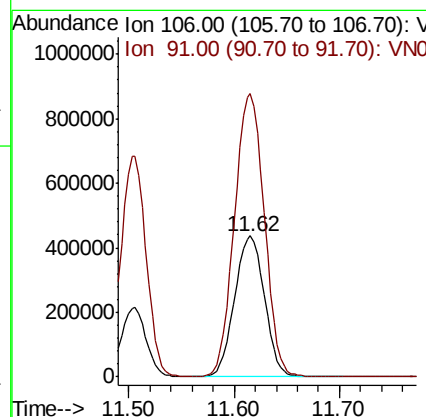
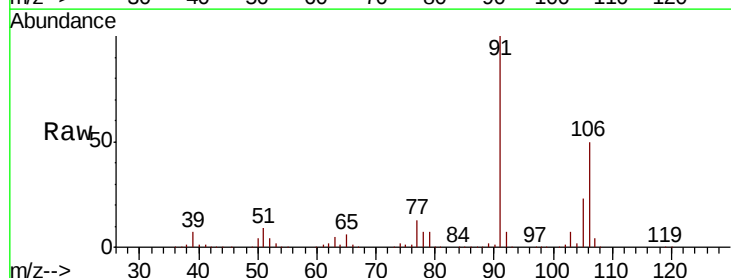
Instrument :
MSVOA_N
ClientSampled :

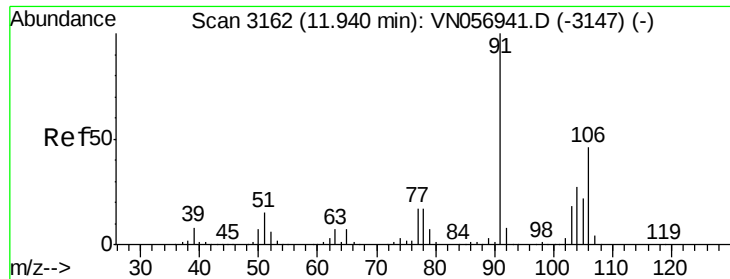
Tot Ion: 91 Resp: 1151397
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7



#68
m/p-Xylenes
Concen: 109.165 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 106 Resp: 855279
Ion Ratio Lower Upper
106 100
91 201.4 160.0 240.0

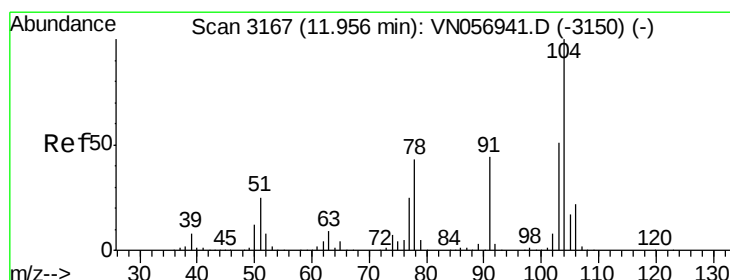
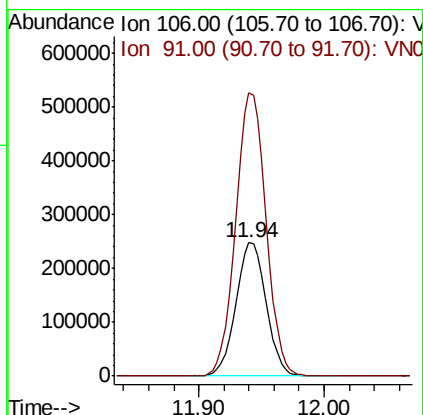
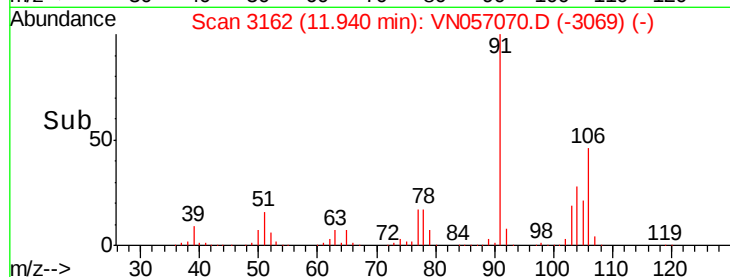
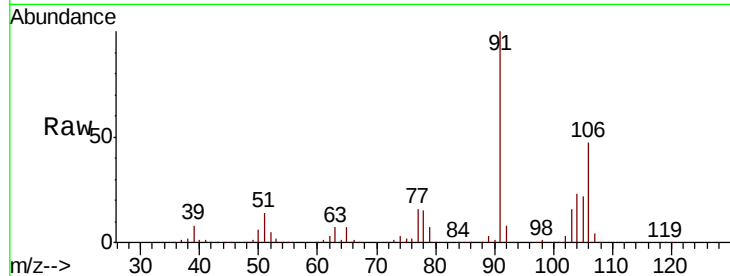




#69
o-Xylene
Concen: 54.214 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

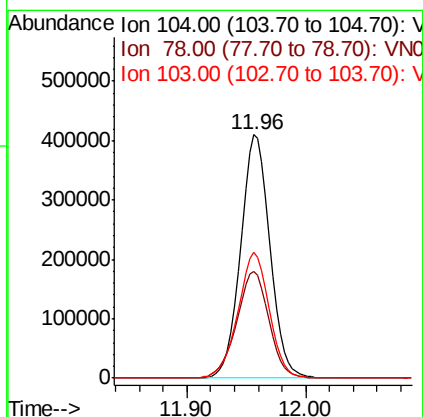
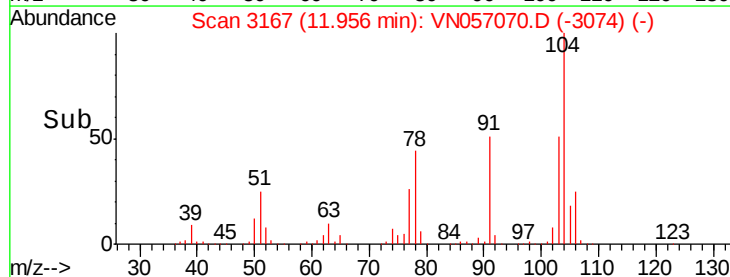
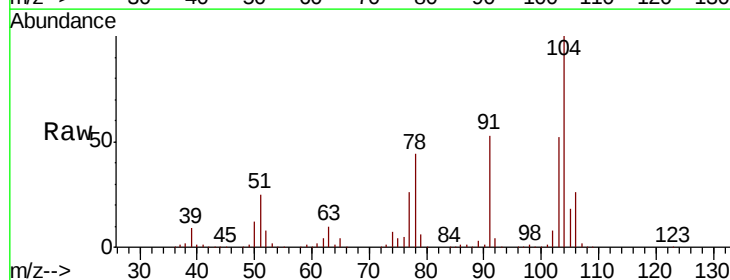
Instrument :
MSVOA_N
ClientSampled :

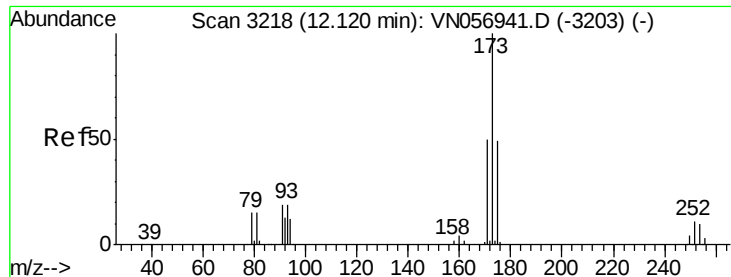
Tot Ion:106 Resp: 41552
Ion Ratio Lower Upper
106 100
91 212.5 106.2 318.6



#70
Styrene
Concen: 51.555 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion:104 Resp: 699288
Ion Ratio Lower Upper
104 100
78 48.1 38.1 57.1
103 55.2 44.3 66.5





#71

Bromoform

Concen: 57.678 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

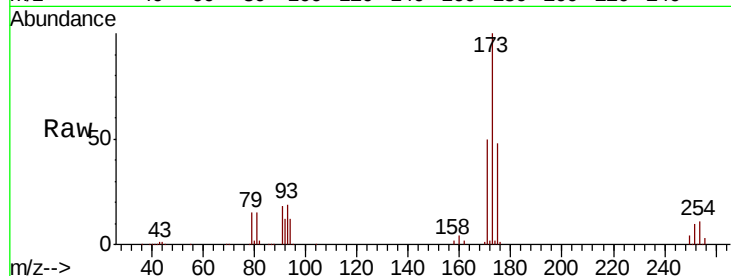
Tot Ion:173 Resp: 186171

Ion Ratio Lower Upper

173 100

175 47.8 24.1 72.4

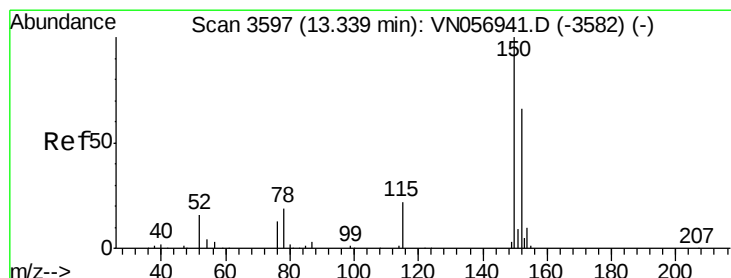
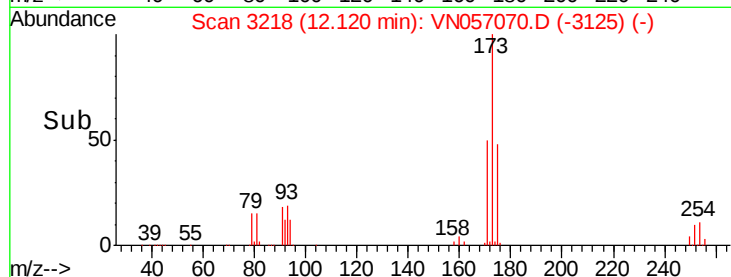
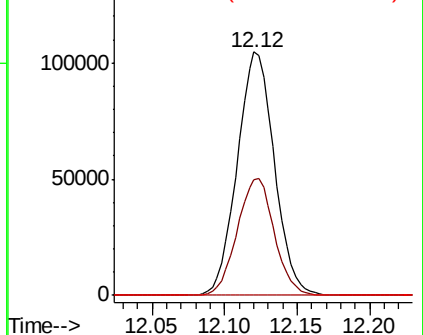
254 0.0 0.1 0.1#



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: VN057070.D

Acq: 5 Aug 2019 9:27

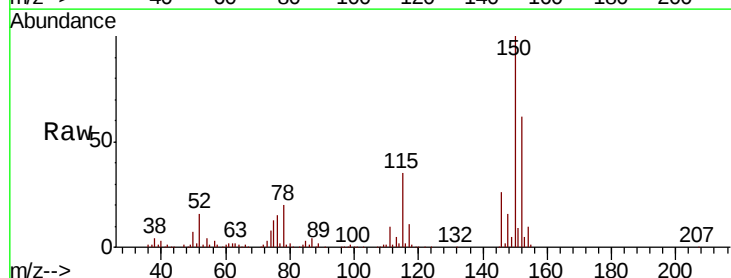
Tgt Ion:152 Resp: 260100

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

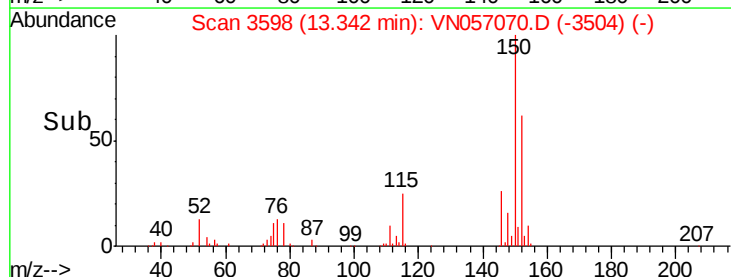
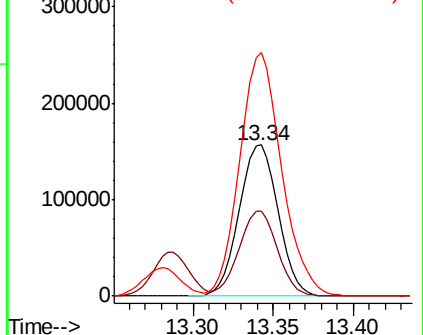
150 173.3 0.0 349.4

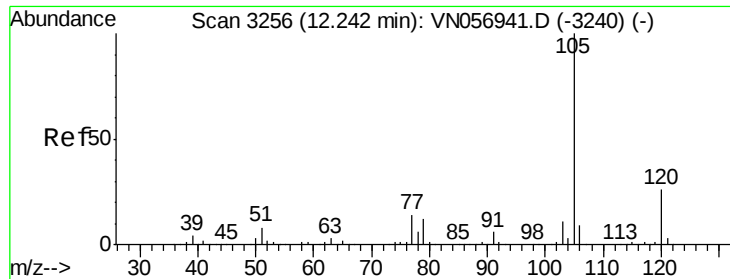


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.434 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

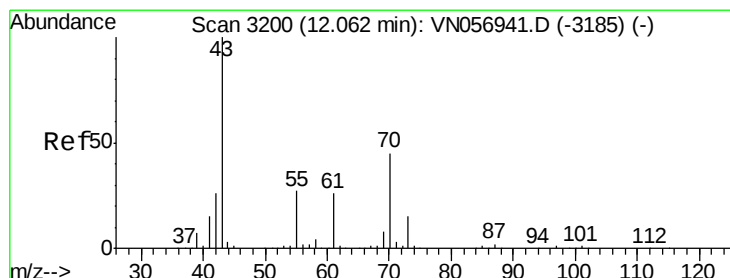
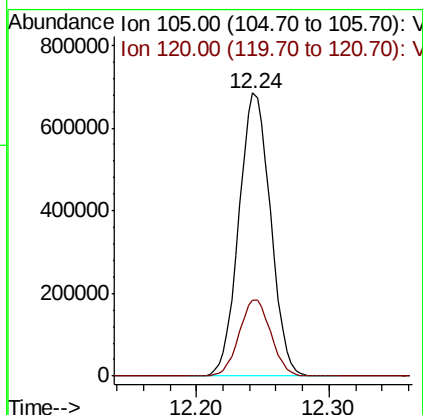
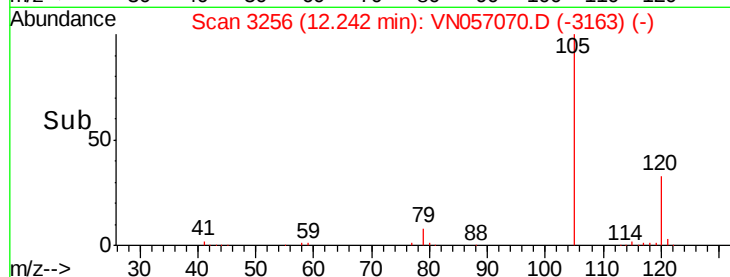
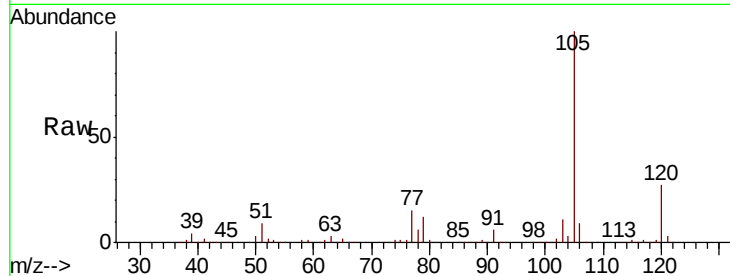
ClientSampled :

Tot Ion:105 Resp: 1133714

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#74

N-ethyl acetate

Concen: 48.576 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion: 43 Resp: 317059

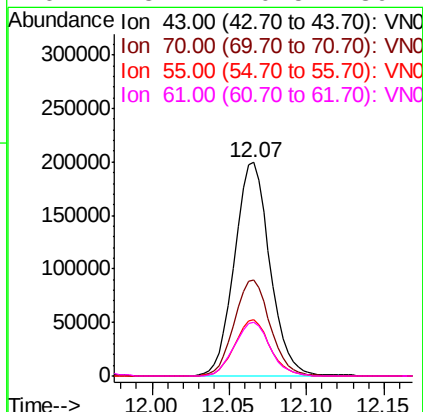
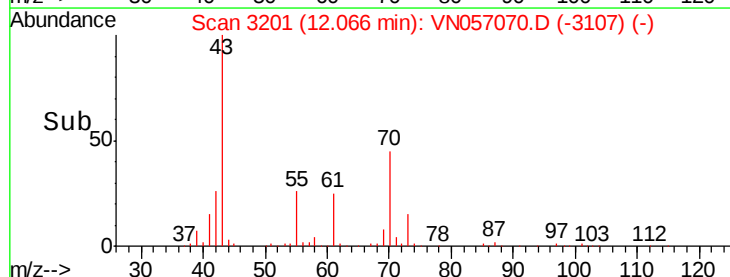
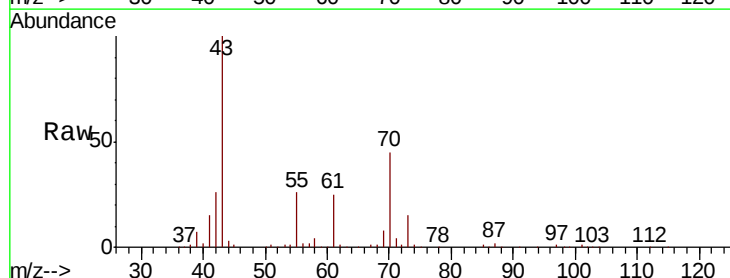
Ion Ratio Lower Upper

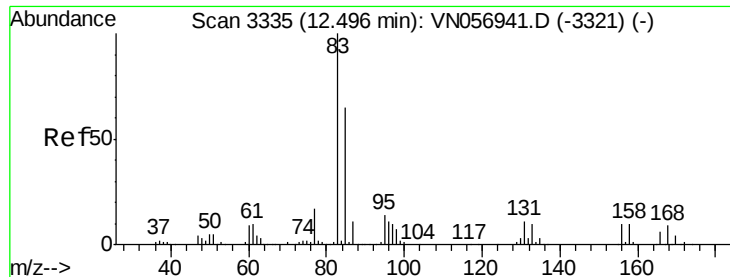
43 100

70 45.7 36.5 54.7

55 26.4 21.4 32.0

61 25.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.311 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

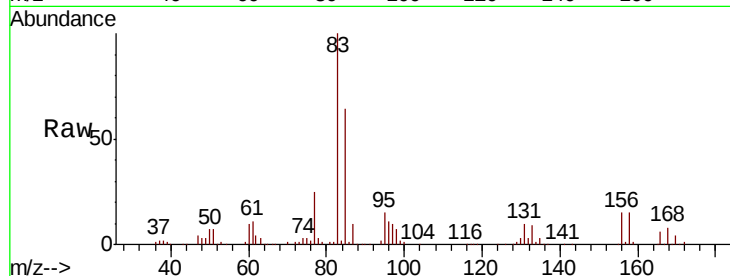
Tot Ion: 83 Resp: 296550

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	64.7	32.5	97.4

83 100

131 10.7 5.3 16.1

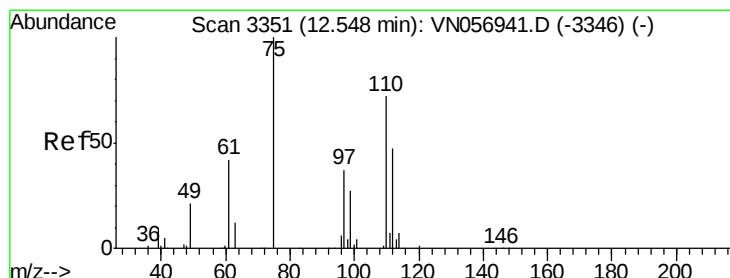
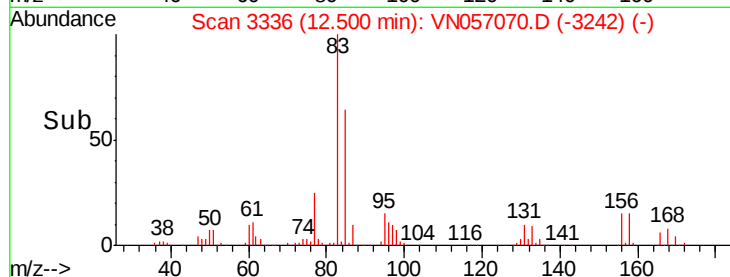
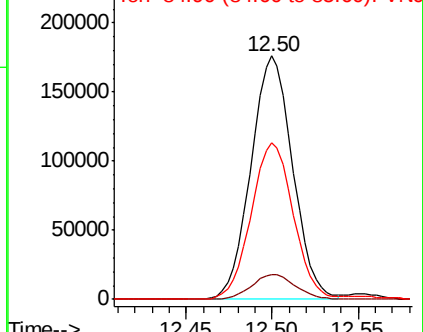
85 64.7 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN056941.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 68.827 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN057070.D

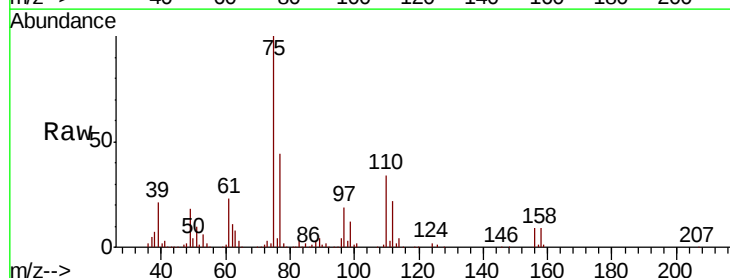
Acq: 5 Aug 2019 9:27

Tgt Ion: 75 Resp: 363559

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

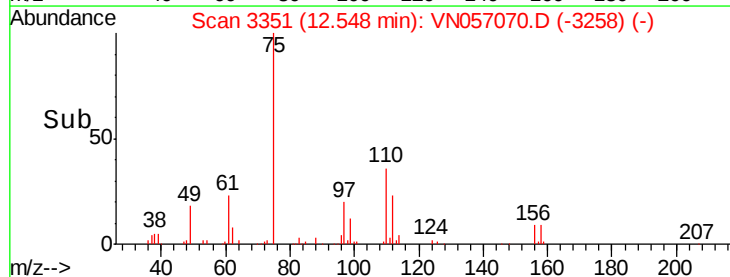
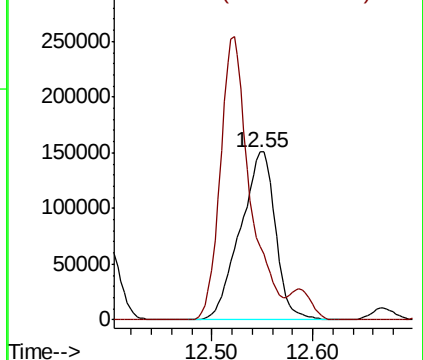
75 100

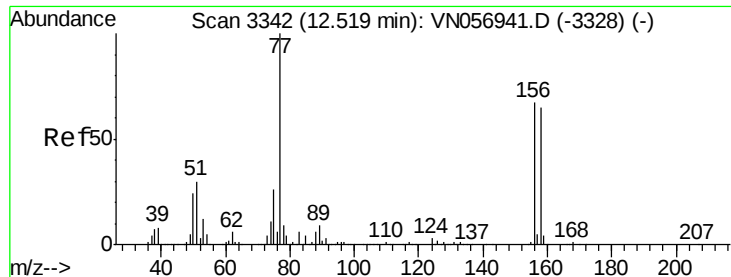
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN056941.D (-3346) (-)





#77

Bromobenzene

Concen: 51.190 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

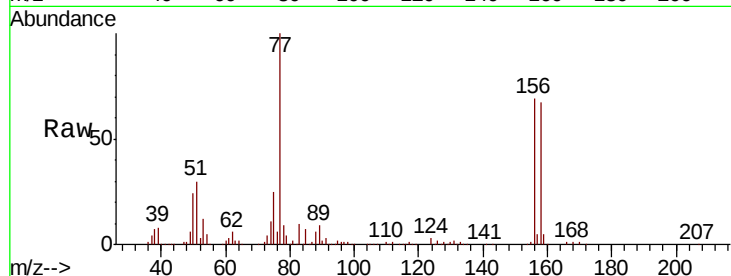
Tot Ion:156 Resp: 300324

Ion Ratio Lower Upper

156 100

77 173.3 89.5 268.5

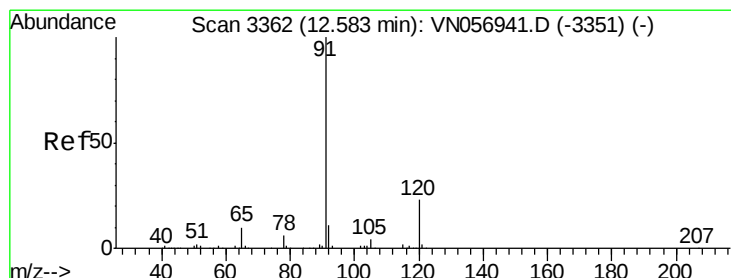
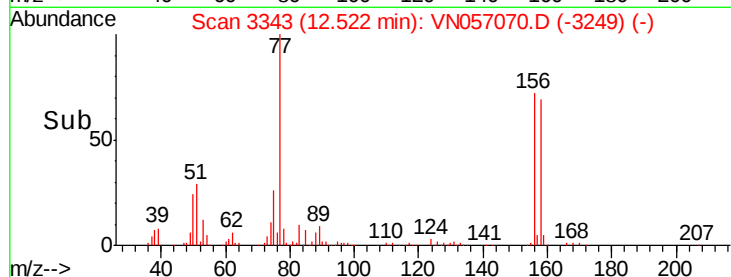
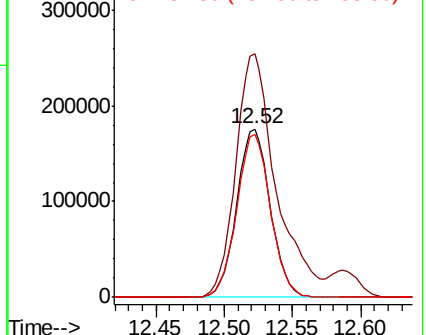
158 97.0 48.4 145.3



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: 51.353 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057070.D

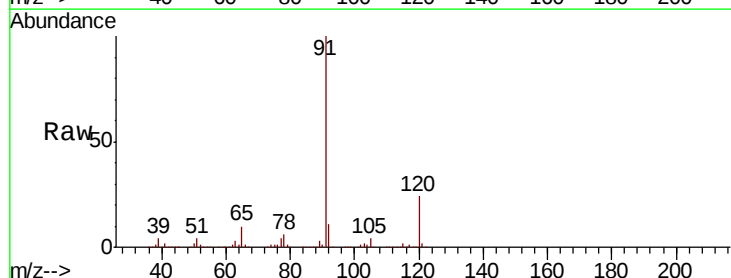
Acq: 5 Aug 2019 9:27

Tgt Ion: 91 Resp: 1232562

Ion Ratio Lower Upper

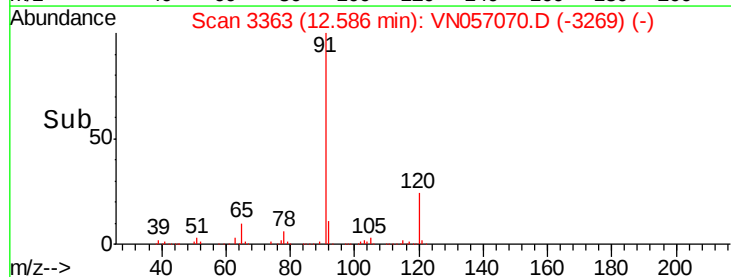
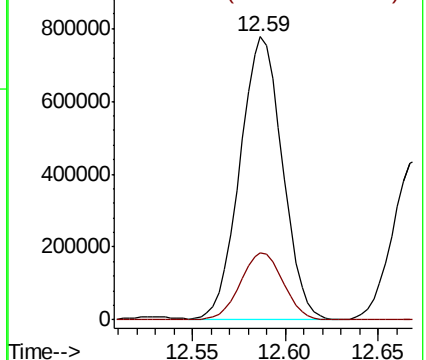
91 100

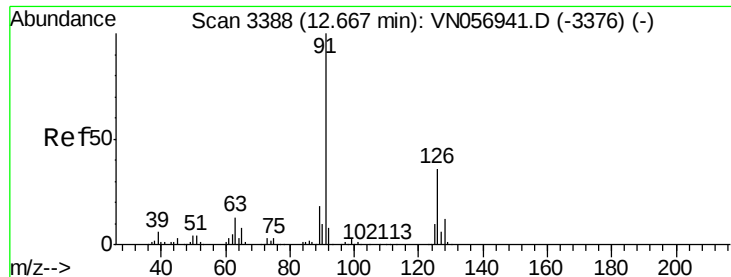
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

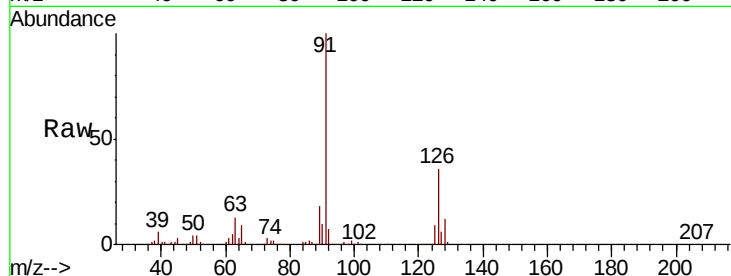




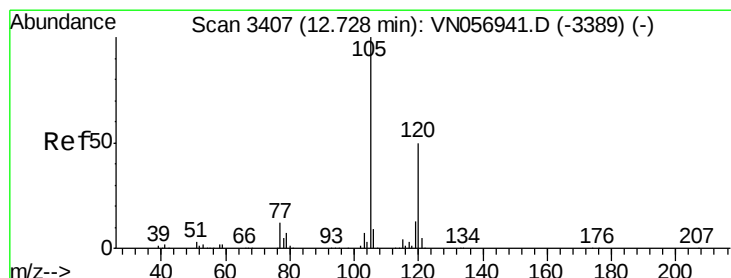
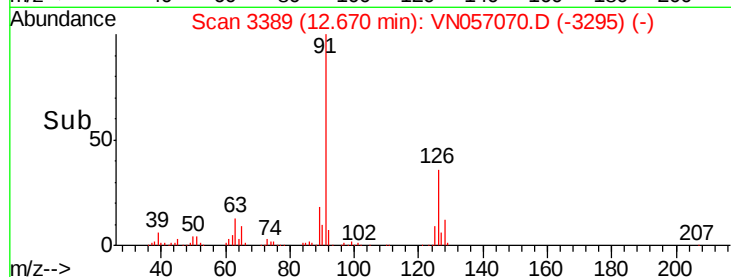
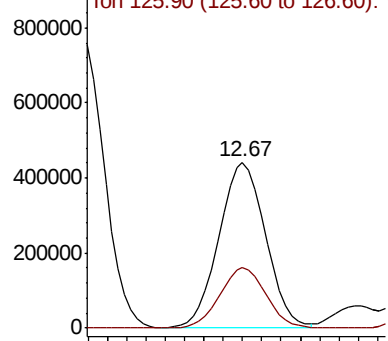
#79
2-Chlorotoluene
Concen: 50.044 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 739604
Ion Ratio Lower Upper
91 100
126 36.2 17.9 53.7

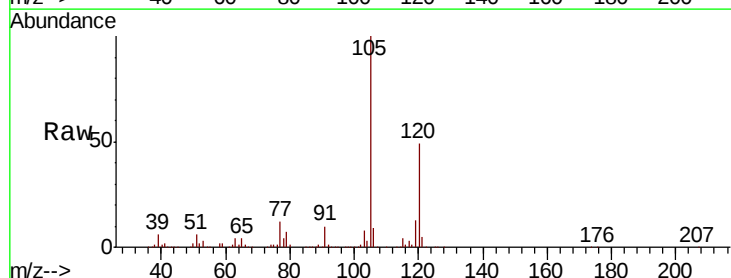


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

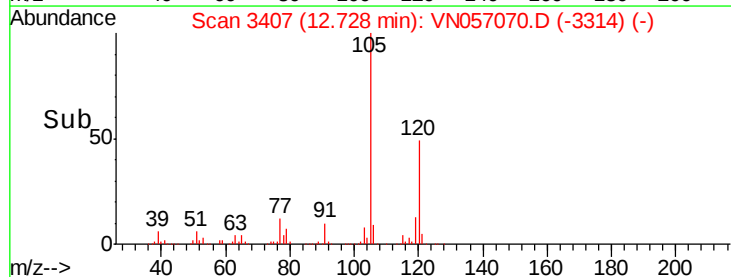
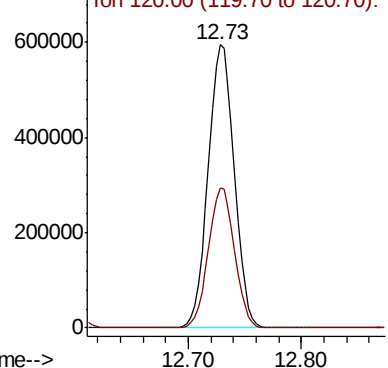


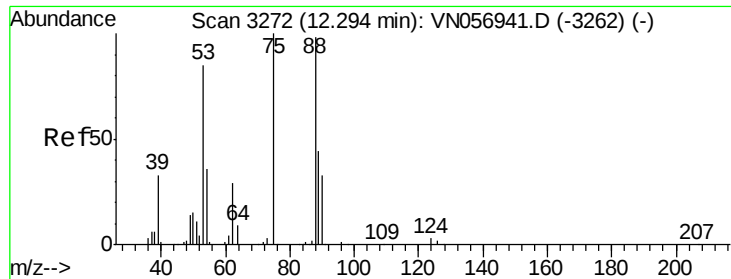
#80
1,3,5-Trimethylbenzene
Concen: 51.758 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion:105 Resp: 954903
Ion Ratio Lower Upper
105 100
120 49.4 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.083 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

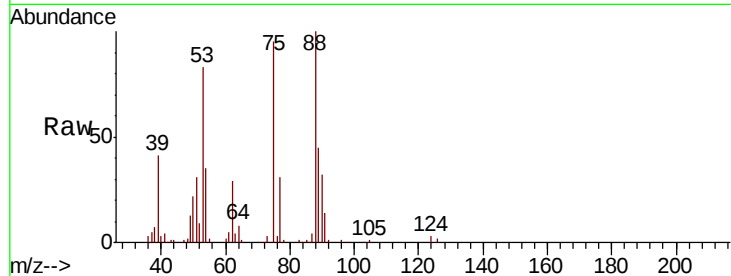
Tot Ion: 75 Resp: 82337

Ion Ratio Lower Upper

75 100

53 88.0 69.3 103.9

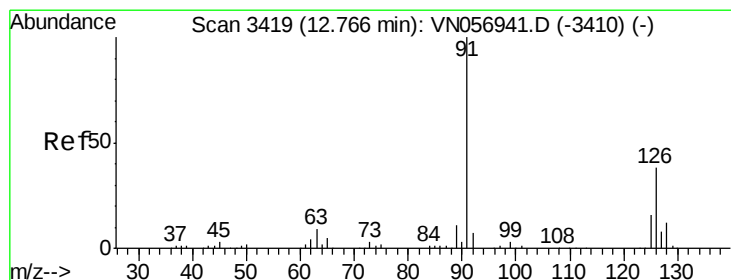
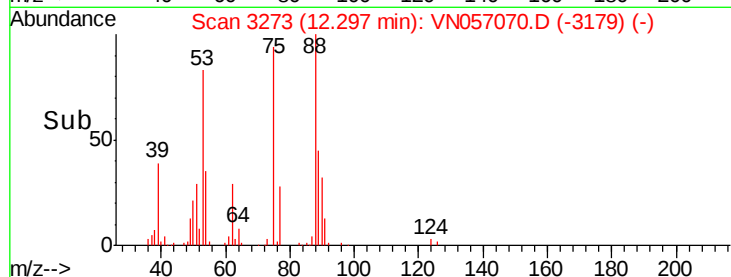
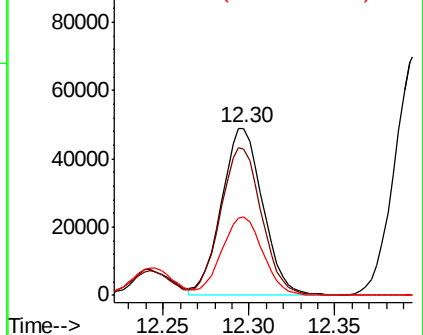
89 46.5 35.8 53.6



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: 51.956 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057070.D

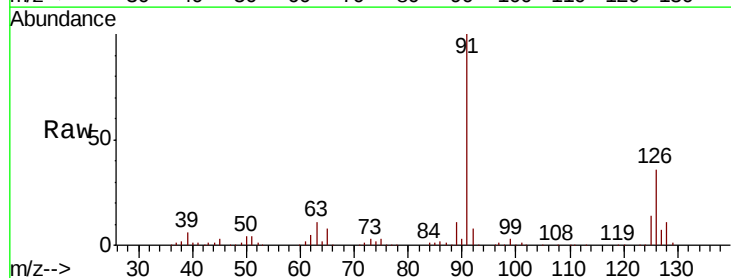
Acq: 5 Aug 2019 9:27

Tgt Ion: 91 Resp: 718593

Ion Ratio Lower Upper

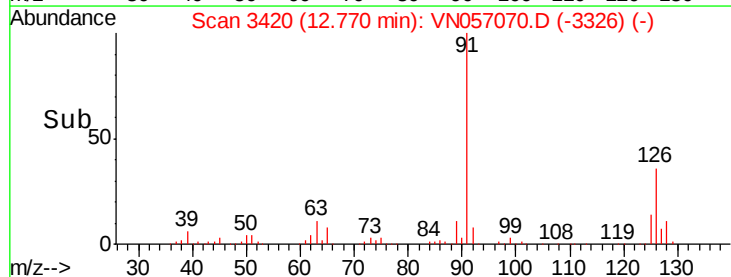
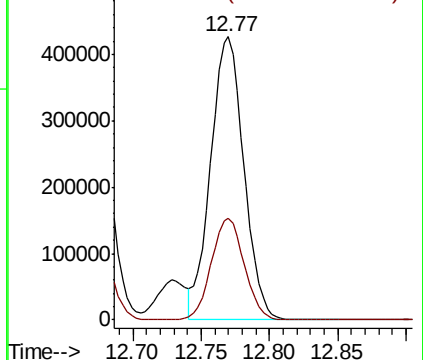
91 100

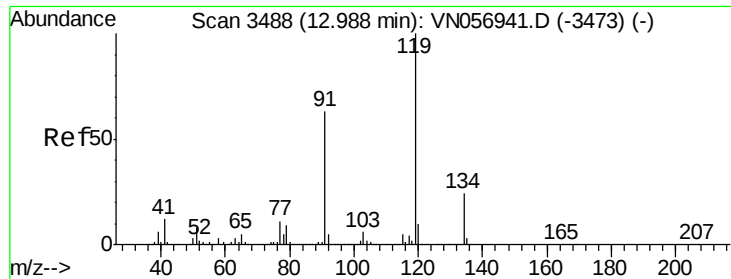
126 35.6 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

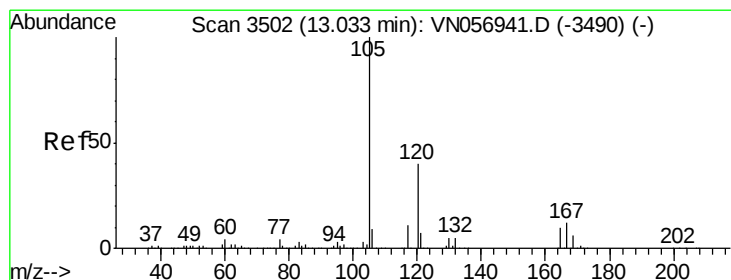
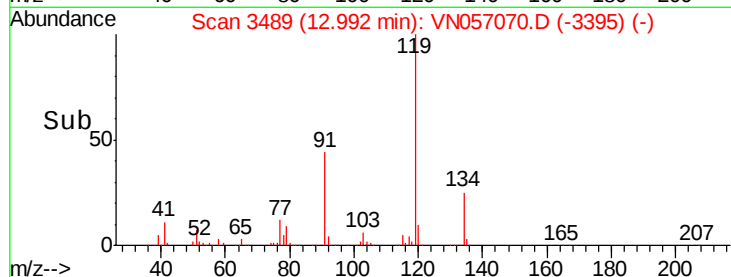
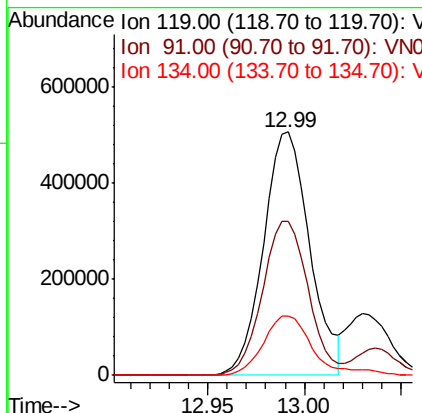
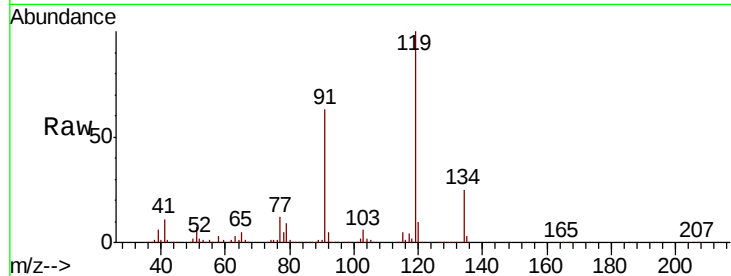




#83
 tert-Butylbenzene
 Concen: 51.570 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

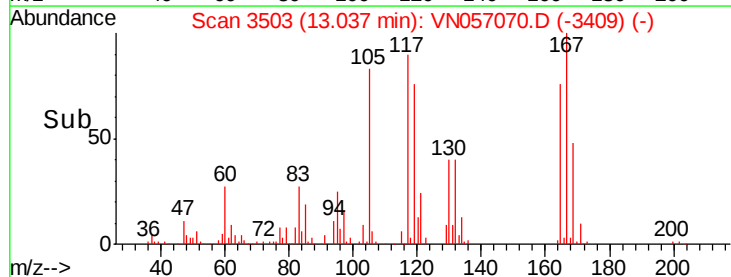
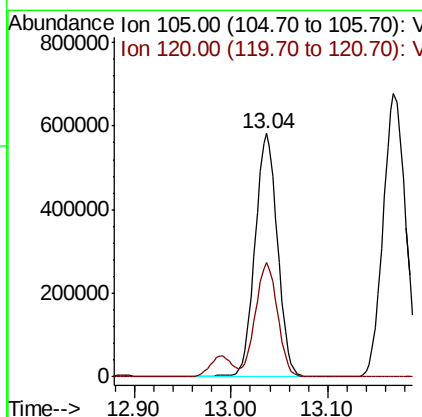
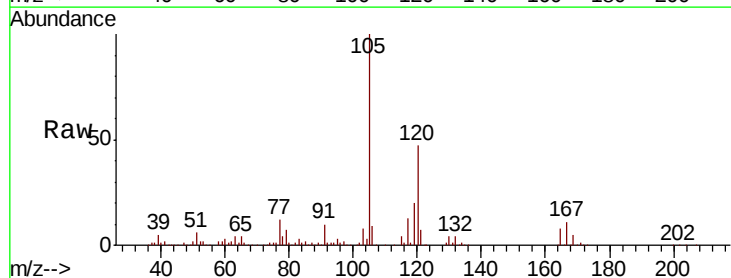
Instrument :
 MSVOA_N
 ClientSampled :

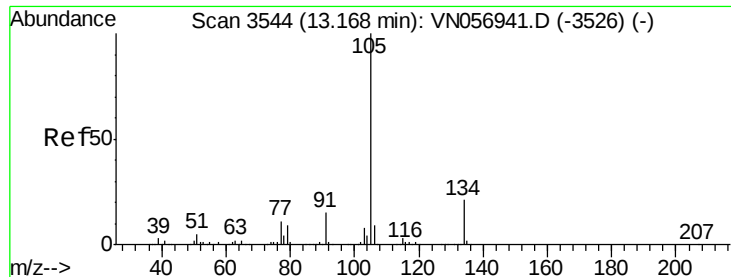
Tot Ion:119 Resp: 842239
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.3 93.8
 134 26.3 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.817 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion:105 Resp: 937611
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 51.745 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

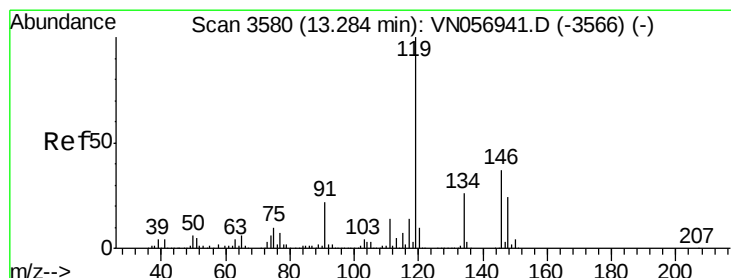
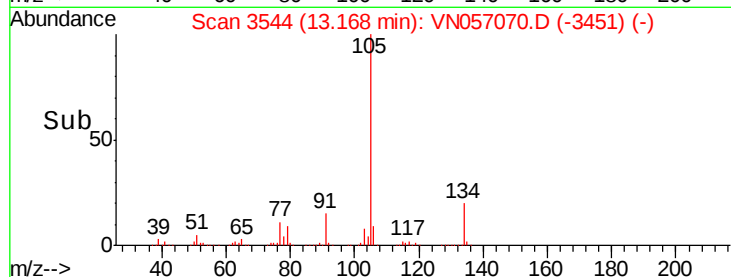
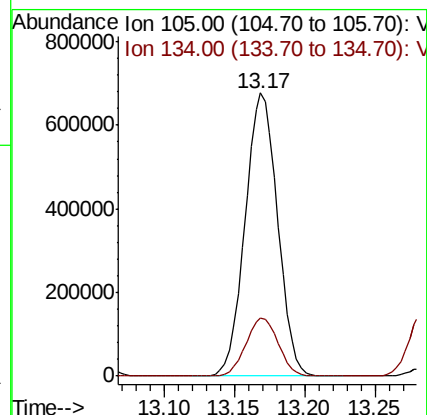
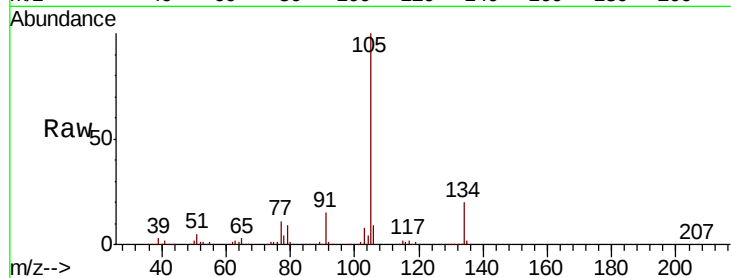
ClientSampleId :

Tot Ion:105 Resp: 1090068

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



#86

p-Isopropyltoluene

Concen: 52.929 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

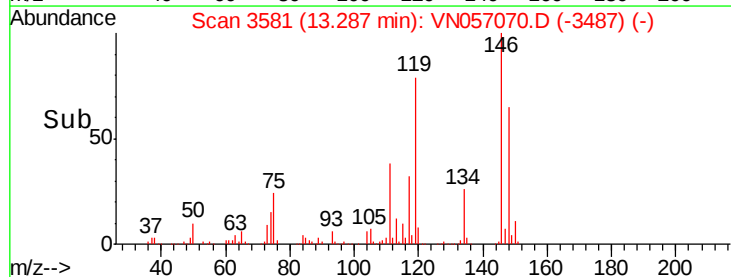
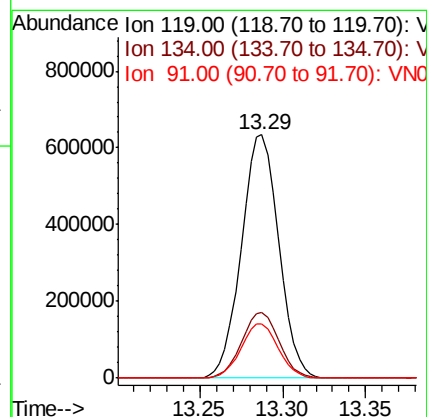
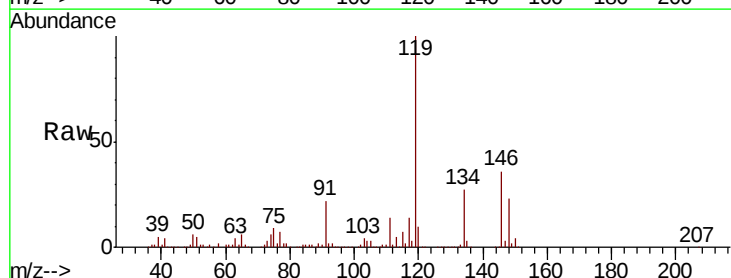
Tgt Ion:119 Resp: 989936

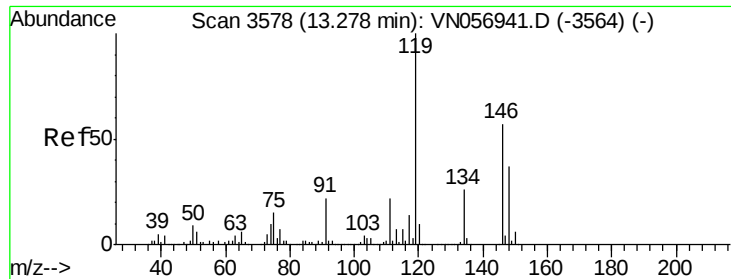
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.1 11.0 33.0

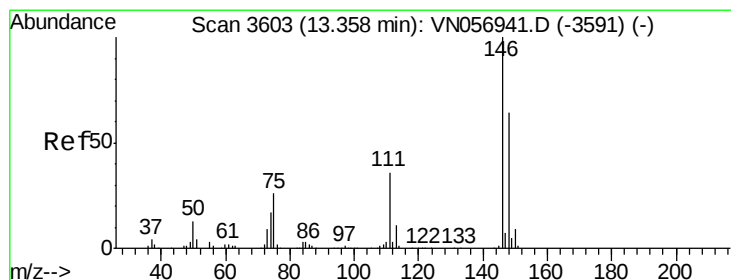
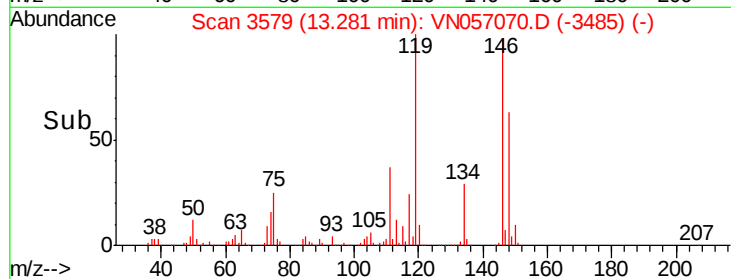
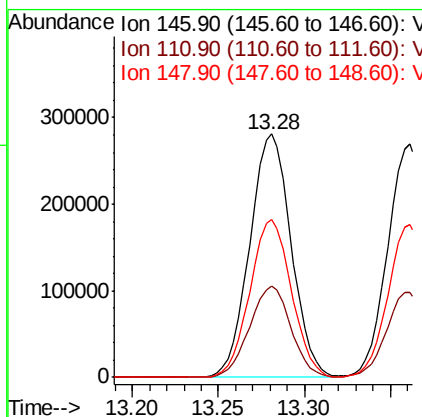
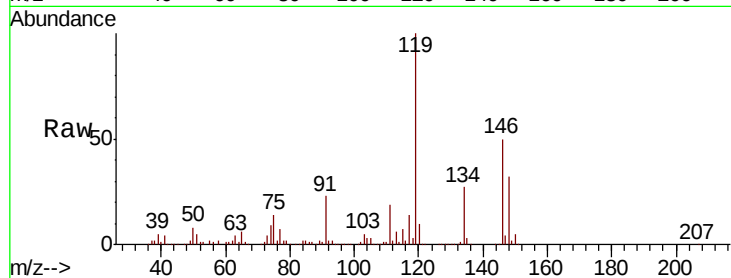




#87
 1,3-Dichlorobenzene
 Concen: 52.470 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

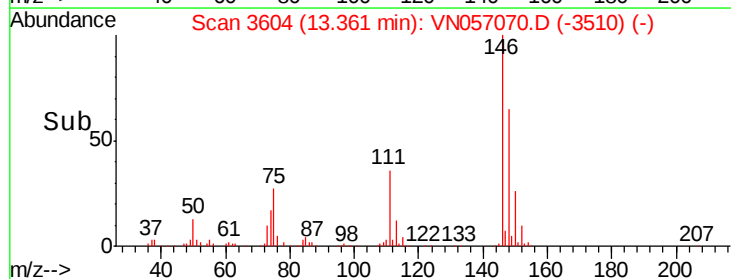
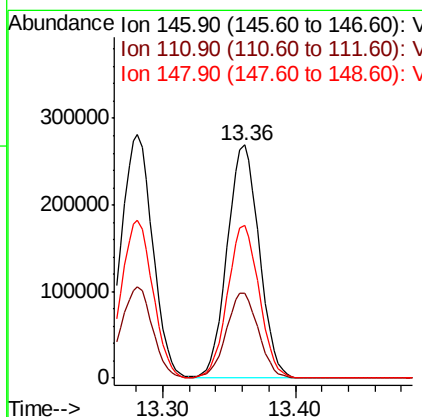
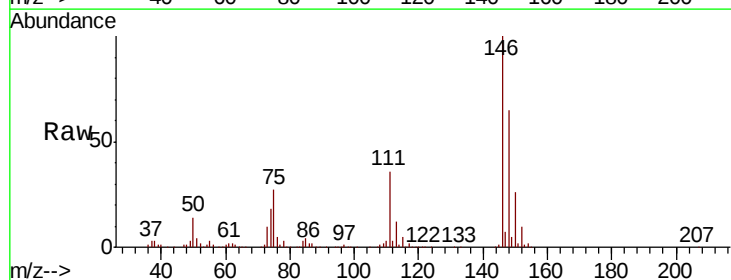
Instrument :
 MSVOA_N
 ClientSampleId :

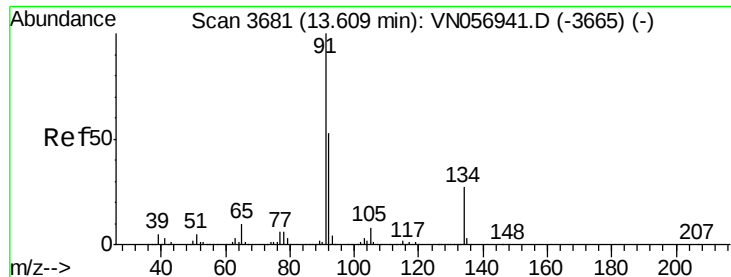
Tot Ion:146 Resp: 468248
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.8
 148 65.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 52.652 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion:146 Resp: 452344
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.4 55.2
 148 64.7 32.3 96.9

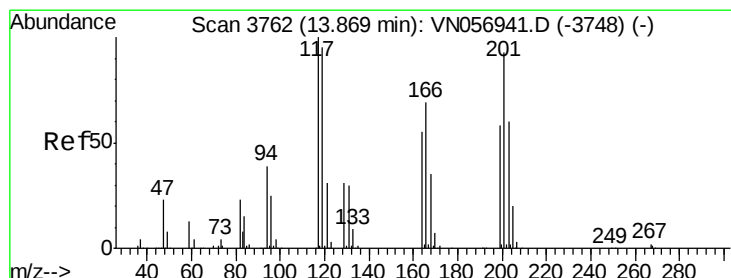
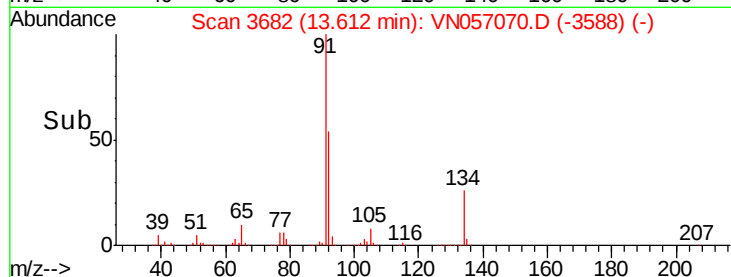
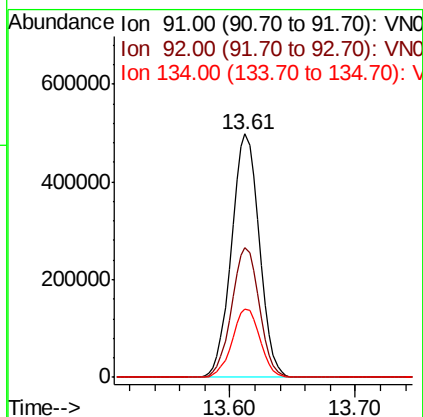
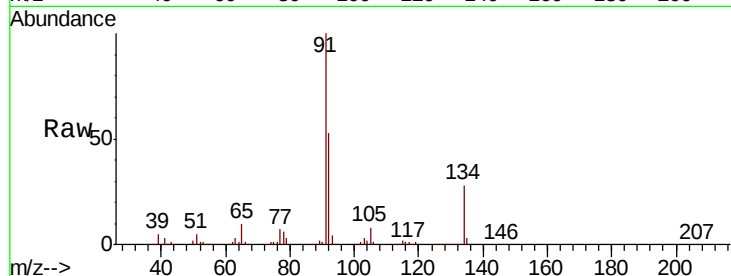




#89
n-Butylbenzene
Concen: 53.161 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

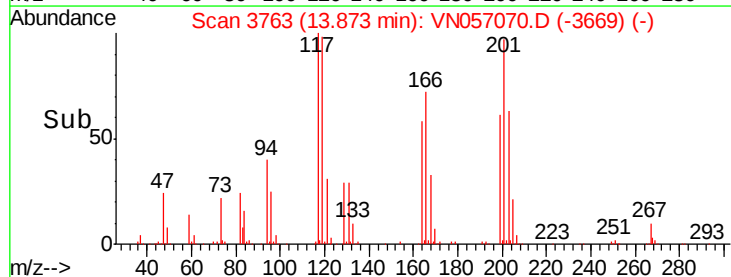
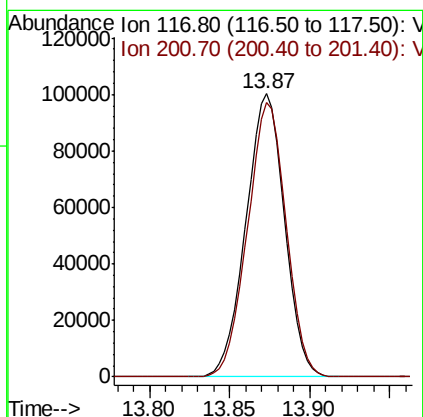
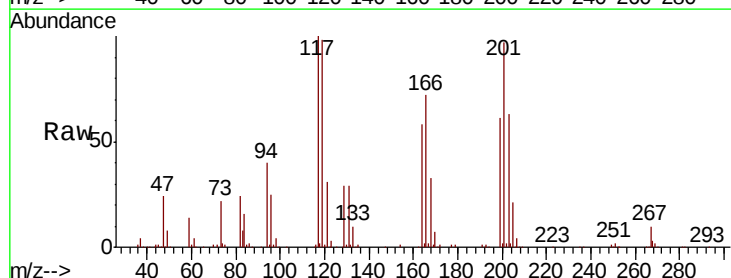
Instrument :
MSVOA_N
ClientSampleId :

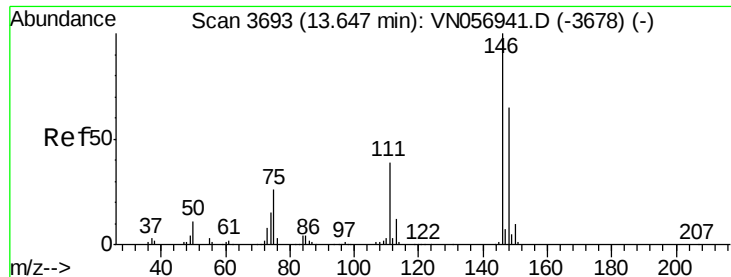
Tot Ion: 91 Resp: 766298
Ion Ratio Lower Upper
91 100
92 52.9 26.2 78.5
134 28.0 13.5 40.4



#90
Hexachloroethane
Concen: 51.517 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 117 Resp: 165913
Ion Ratio Lower Upper
117 100
201 97.0 47.0 141.2

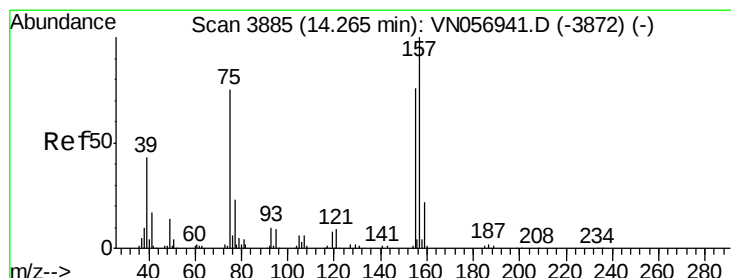
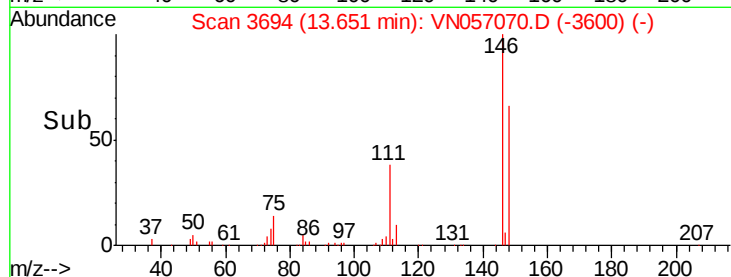
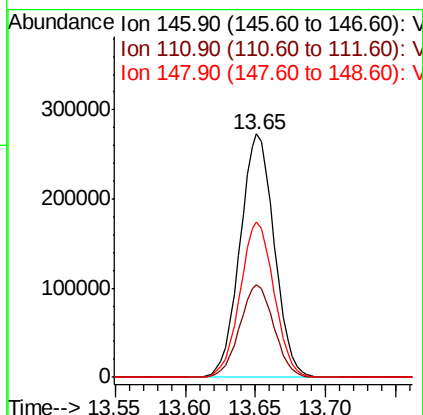
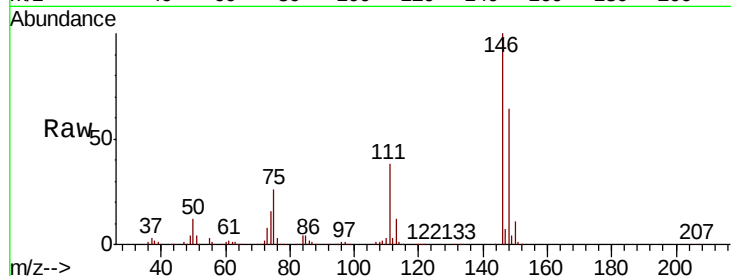




#91
 1,2-Dichlorobenzene
 Concen: 52.881 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

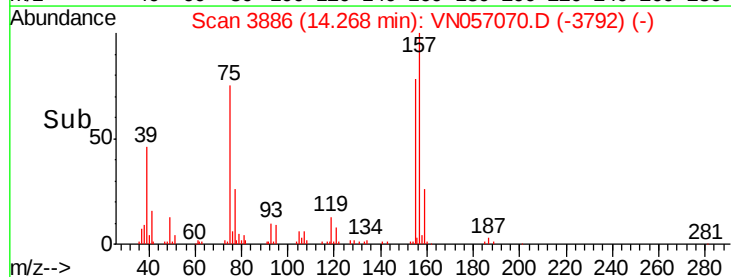
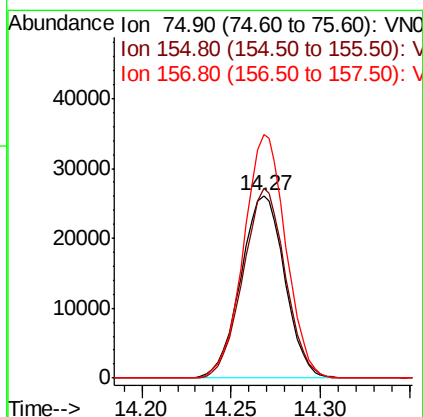
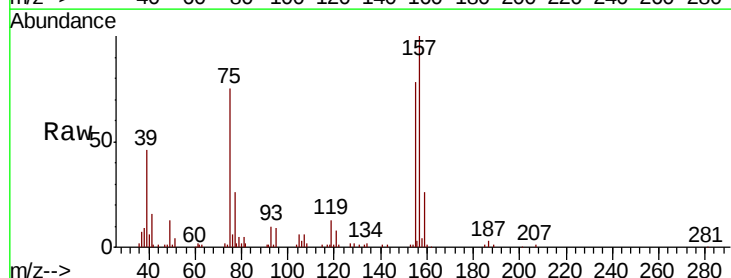
Instrument :
 MSVOA_N
 ClientSampleId :

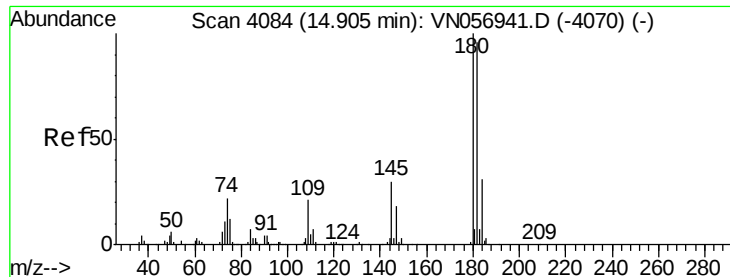
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.4
148	63.4	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.219 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	50.2	150.6
157	128.0	65.1	195.4

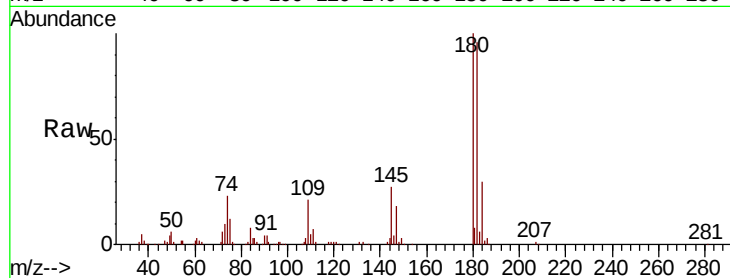




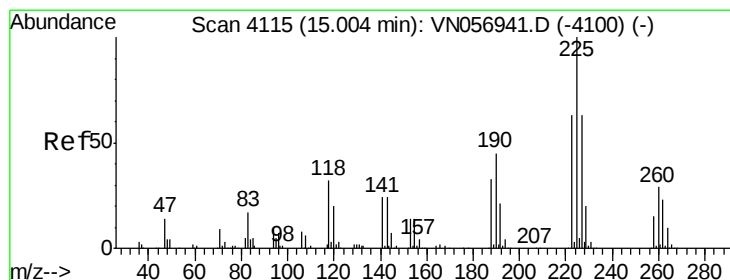
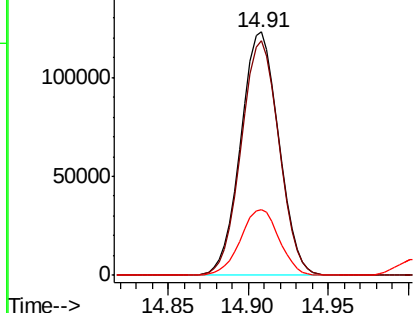
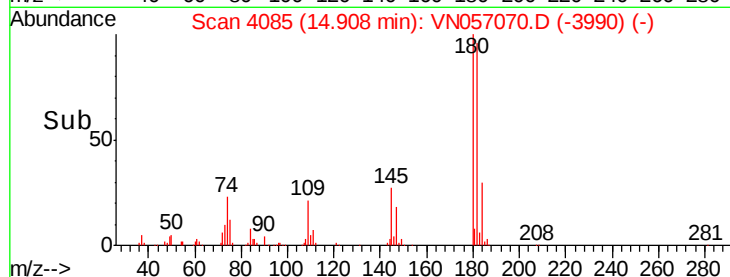
#93
 1,2,4-Trichlorobenzene
 Concen: 44.281 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.6	142.8
145	27.3	14.2	42.8

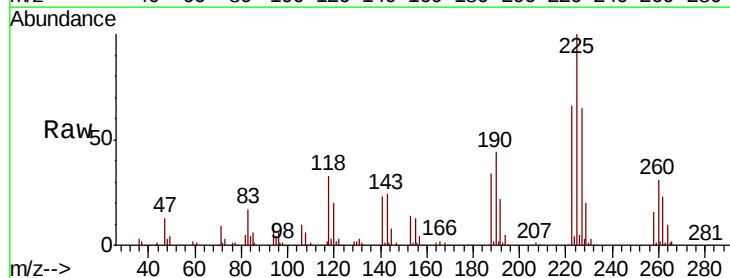


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

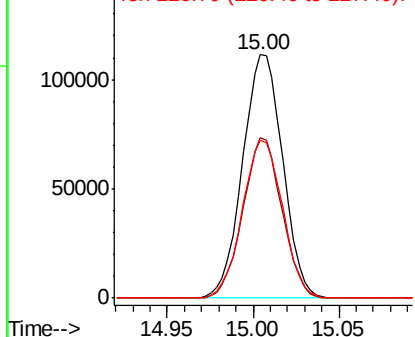
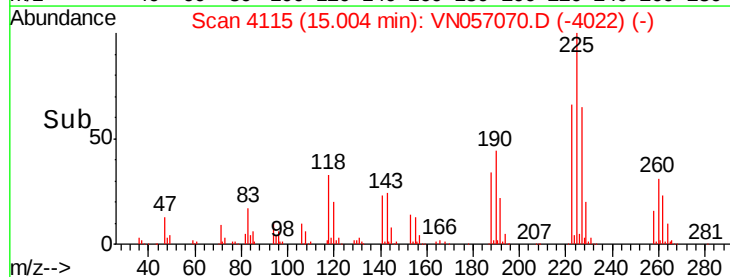


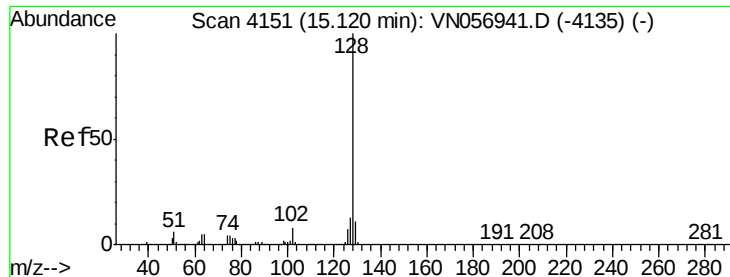
#94
 Hexachlorobutadiene
 Concen: 59.395 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.8	92.4
227	64.9	31.1	93.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.431 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

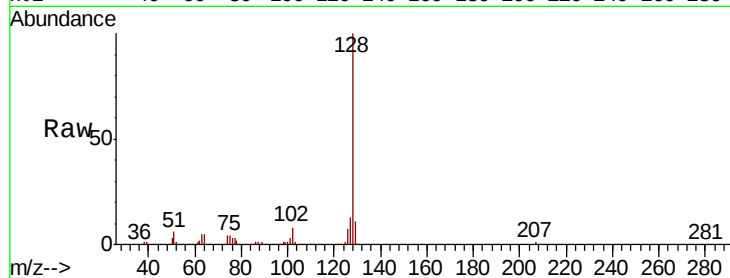
Tot Ion:128 Resp: 486262

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

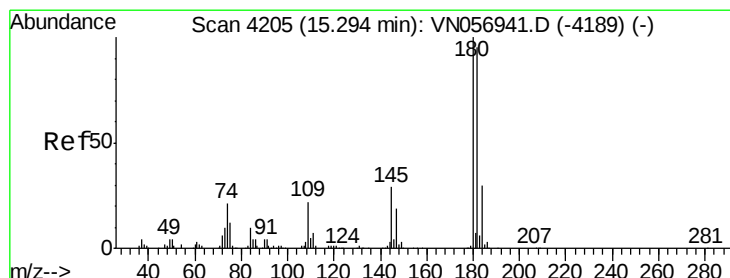
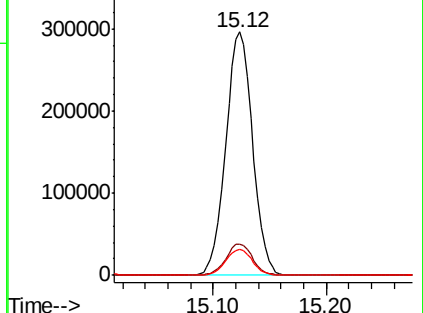
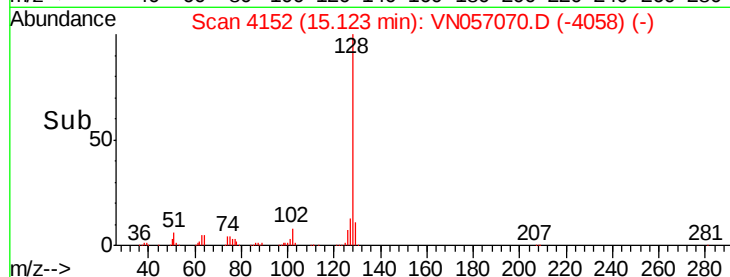
129 10.8 8.7 13.1



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: 49.029 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

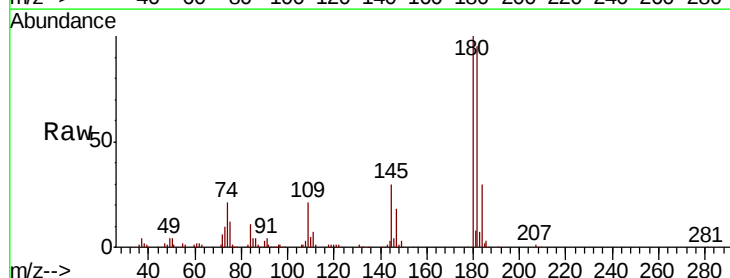
Tgt Ion:180 Resp: 224299

Ion Ratio Lower Upper

180 100

182 95.4 48.0 144.2

145 29.4 15.0 45.0



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

