

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061151.D
 Acq On : 27 Apr 2020 16:26
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 28 01:33:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 01:31:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	106032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	188069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	174127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80691	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	8496	5.84	ug/l	0.00
Spiked Amount			Recovery	=	11.68%	
35) Dibromofluoromethane	7.55	113	5647	5.24	ug/l	0.00
Spiked Amount			Recovery	=	10.48%	
50) Toluene-d8	10.06	98	21960	4.79	ug/l	0.00
Spiked Amount			Recovery	=	9.58%	
62) 4-Bromofluorobenzene	12.37	95	8083	4.71	ug/l	0.00
Spiked Amount			Recovery	=	9.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	4951	4.908	ug/l	100
3) Chloromethane	2.03	50	6481	5.270	ug/l	99
4) Vinyl Chloride	2.16	62	7493	5.068	ug/l	96
5) Bromomethane	2.53	94	3833	5.331	ug/l	93
6) Chloroethane	2.67	64	4836	5.993	ug/l	89
7) Trichlorofluoromethane	2.98	101	9418	5.916	ug/l	95
8) Diethyl Ether	3.37	74	3757	5.159	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	5837	5.562	ug/l	96
10) Methyl Iodide	3.91	142	6711	4.513	ug/l	95
11) Tert butyl alcohol	4.72	59	5532	29.596	ug/l #	72
12) 1,1-Dichloroethene	3.69	96	5779	5.393	ug/l	98
13) Acrolein	3.57	56	3603	25.891	ug/l	97
14) Allyl chloride	4.28	41	11417	6.579	ug/l	99
15) Acrylonitrile	4.93	53	17269	29.713	ug/l #	90
16) Acetone	3.78	43	22058	31.554	ug/l	97
17) Carbon Disulfide	4.01	76	14498	4.586	ug/l	97
18) Methyl Acetate	4.28	43	12627	6.671	ug/l #	90
19) Methyl tert-butyl Ether	4.99	73	20678	5.407	ug/l	97
20) Methylene Chloride	4.50	84	6485	5.212	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	5825	4.562	ug/l	97
22) Diisopropyl ether	5.90	45	23281	5.781	ug/l	98
23) Vinyl Acetate	5.84	43	90766	28.093	ug/l	99
24) 1,1-Dichloroethane	5.79	63	12900	5.870	ug/l	98
25) 2-Butanone	6.79	43	24409	30.472	ug/l	98
26) 2,2-Dichloropropane	6.78	77	11129	5.740	ug/l #	76
27) cis-1,2-Dichloroethene	6.78	96	7393	5.204	ug/l	97
28) Bromochloromethane	7.15	49	6319	6.630	ug/l #	96
29) Tetrahydrofuran	7.16	42	16171	29.343	ug/l	99
30) Chloroform	7.33	83	12946	5.828	ug/l	87
31) Cyclohexane	7.62	56	13584	6.160	ug/l #	80
32) 1,1,1-Trichloroethane	7.53	97	11102	5.606	ug/l	97
36) 1,1-Dichloropropene	7.75	75	9760	5.292	ug/l	96
37) Ethyl Acetate	6.88	43	11195	5.909	ug/l #	94
38) Carbon Tetrachloride	7.73	117	6826	4.261	ug/l	99

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 Data File : VN061151.D
 Acq On : 27 Apr 2020 16:26
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 28 01:33:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 01:31:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	10010	4.503	ug/l	98
40) Benzene	8.00	78	27529	5.050	ug/l	99
41) Methacrylonitrile	7.16	41	15140	17.444	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	10834	5.498	ug/l	96
43) Isopropyl Acetate	8.12	43	17731	5.527	ug/l #	92
44) Trichloroethene	8.80	130	7685	4.903	ug/l	94
45) 1,2-Dichloropropane	9.08	63	7529	5.195	ug/l	99
46) Dibromomethane	9.18	93	4605	4.986	ug/l	98
47) Bromodichloromethane	9.37	83	9914	5.398	ug/l	98
48) Methyl methacrylate	9.17	41	7896	5.251	ug/l	96
49) 1,4-Dioxane	9.16	88	1919	87.222	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	51628	27.474	ug/l	99
52) Toluene	10.12	92	15903	4.668	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	10489	4.706	ug/l	92
54) cis-1,3-Dichloropropene	9.81	75	11413	4.936	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	6869	5.229	ug/l	96
56) Ethyl methacrylate	10.40	69	8921	4.434	ug/l	95
57) 1,3-Dichloropropane	10.68	76	12080	5.359	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	24684	23.785	ug/l	98
59) 2-Hexanone	10.72	43	36124	26.051	ug/l	100
60) Dibromochloromethane	10.87	129	6830	4.974	ug/l	97
61) 1,2-Dibromoethane	10.98	107	6588	4.876	ug/l	97
64) Tetrachloroethene	10.60	164	8201	4.724	ug/l	96
65) Chlorobenzene	11.41	112	17943	5.109	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	6105	4.902	ug/l	98
67) Ethyl Benzene	11.48	91	31636	4.818	ug/l	98
68) m/p-Xylenes	11.60	106	22859	9.350	ug/l	100
69) o-Xylene	11.92	106	11102	4.706	ug/l	95
70) Styrene	11.94	104	16971	4.426	ug/l	98
71) Bromoform	12.10	173	4164	4.458	ug/l #	98
73) Isopropylbenzene	12.22	105	28754	4.741	ug/l	98
74) N-amyl acetate	12.04	43	13894	4.996	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	9865	5.930	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	13231	7.245	ug/l #	100
77) Bromobenzene	12.50	156	7175	4.903	ug/l	95
78) n-propylbenzene	12.56	91	33864	4.749	ug/l	99
79) 2-Chlorotoluene	12.65	91	20659	4.986	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	23616	4.626	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	3079	4.420	ug/l	98
82) 4-Chlorotoluene	12.75	91	21164	4.807	ug/l	98
83) tert-Butylbenzene	12.97	119	19631	4.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	24319	4.768	ug/l	96
85) sec-Butylbenzene	13.15	105	27262	4.690	ug/l	100
86) p-Isopropyltoluene	13.26	119	24194	4.591	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	12822	4.907	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	13020	4.919	ug/l	90
89) n-Butylbenzene	13.59	91	22264	4.628	ug/l	99
90) Hexachloroethane	13.85	117	1308	3.075	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	12118	4.976	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1970	5.446	ug/l	99

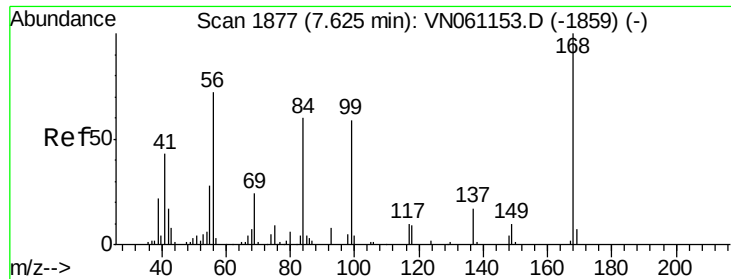
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
Data File : VN061151.D
Acq On : 27 Apr 2020 16:26
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 28 01:33:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 01:31:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	6971	4.316	ug/l	96
94) Hexachlorobutadiene	14.98	225	3270	4.674	ug/l	93
95) Naphthalene	15.10	128	21926	4.363	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	6942	4.464	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

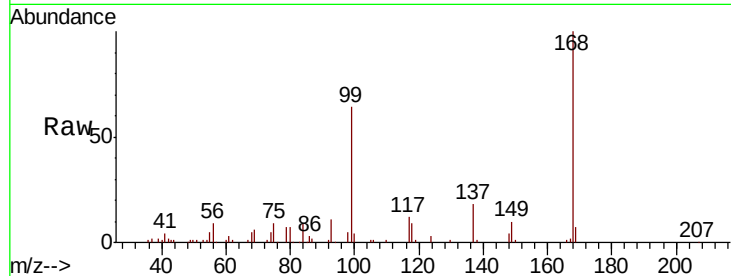
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 106032

Ion Ratio Lower Upper

168 100

99 64.0 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

50000

40000

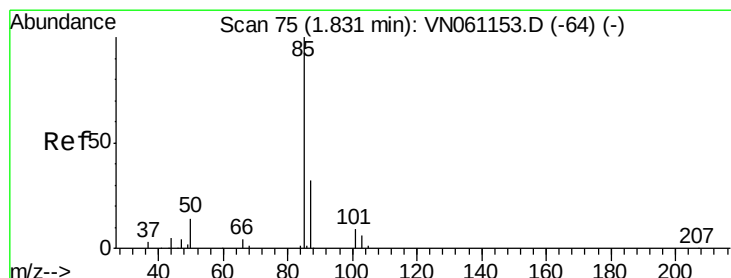
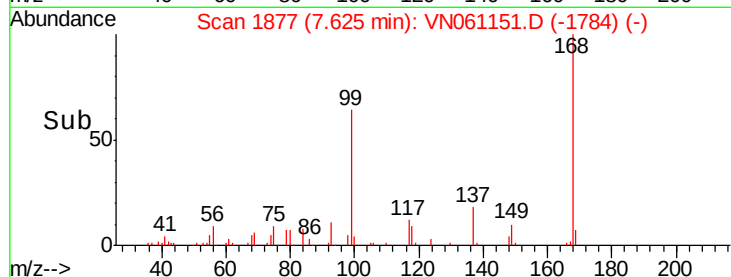
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 4.908 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061151.D

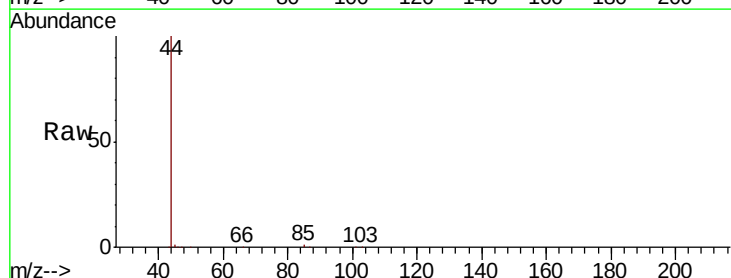
Acq: 27 Apr 2020 16:26

Tgt Ion: 85 Resp: 4951

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

4000

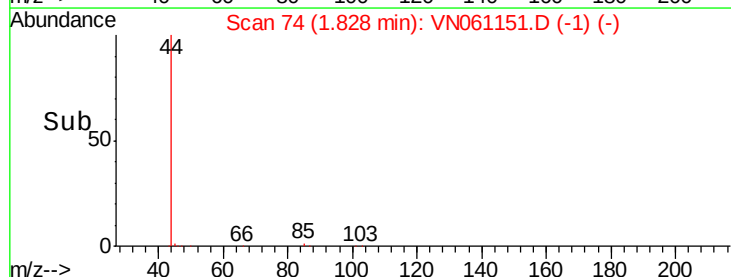
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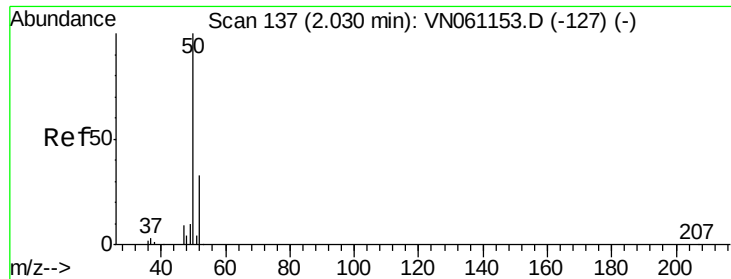
2000

1000

0

Time--> 1.80 1.85





#3

Chloromethane

Concen: 5.270 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

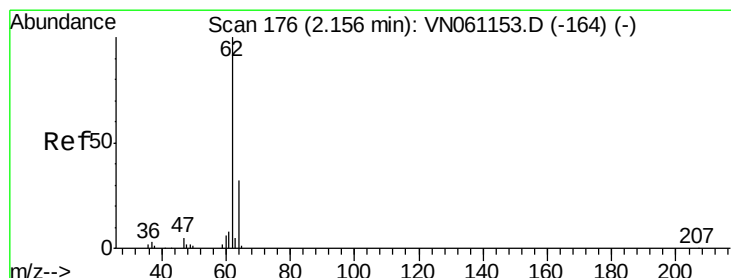
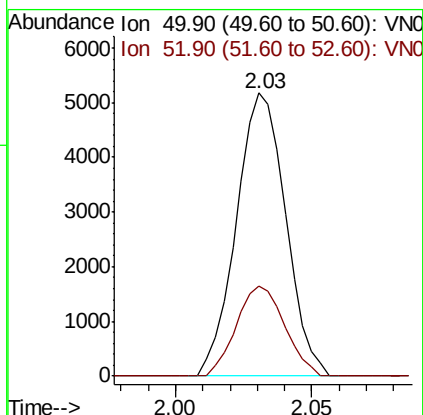
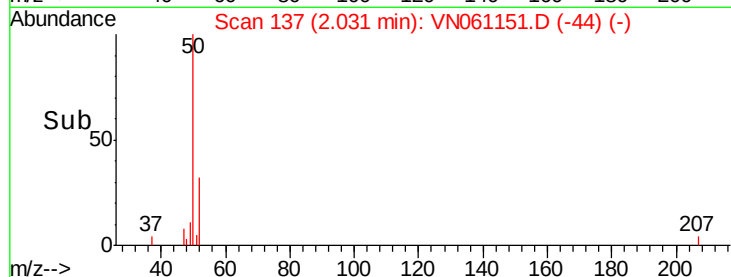
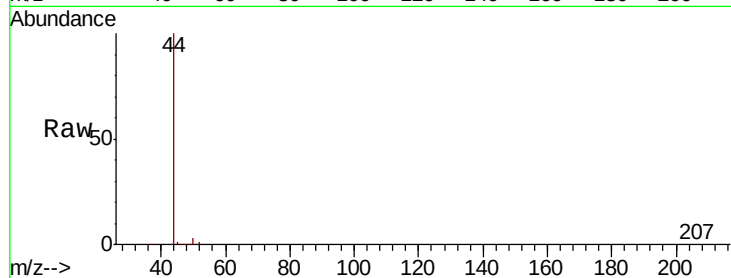
ClientSampleId :

Tot Ion: 50 Resp: 6481

Ion Ratio Lower Upper

50 100

52 31.8 26.0 39.0



#4

Vinyl Chloride

Concen: 5.068 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061151.D

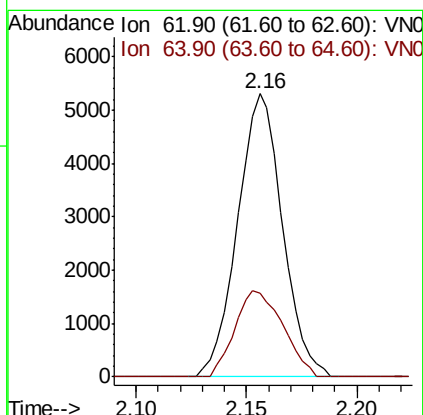
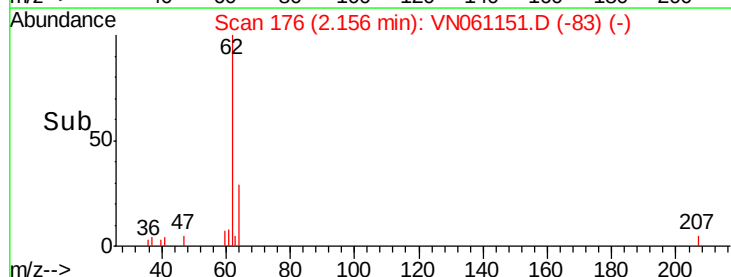
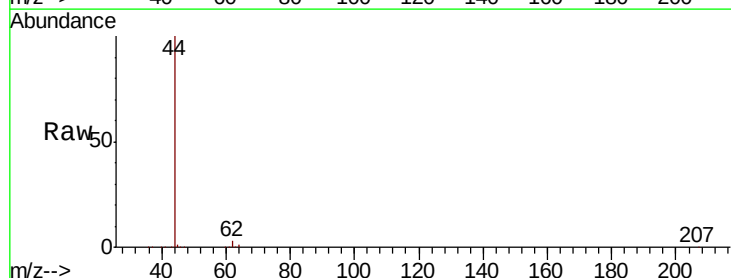
Acq: 27 Apr 2020 16:26

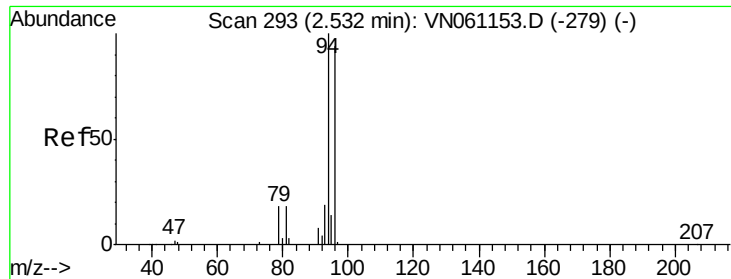
Tgt Ion: 62 Resp: 7493

Ion Ratio Lower Upper

62 100

64 29.5 25.2 37.8





#5

Bromomethane

Concen: 5.331 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

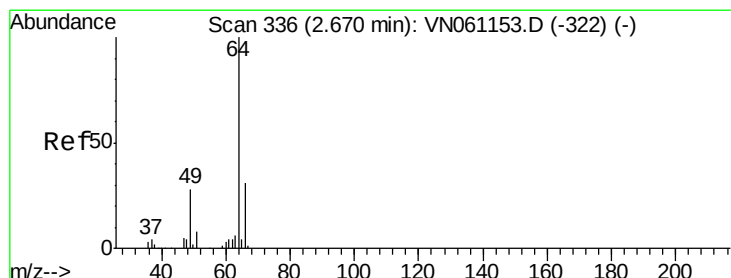
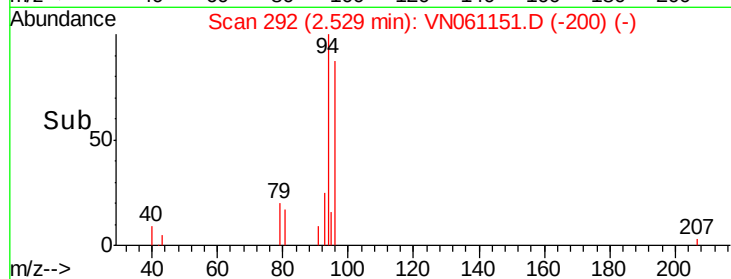
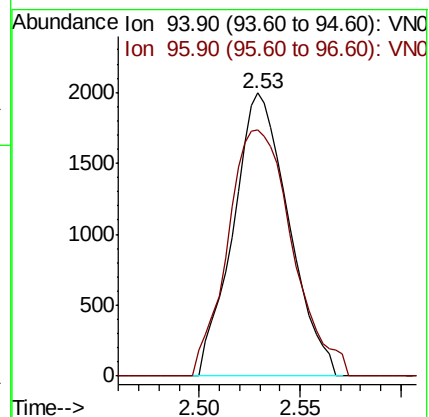
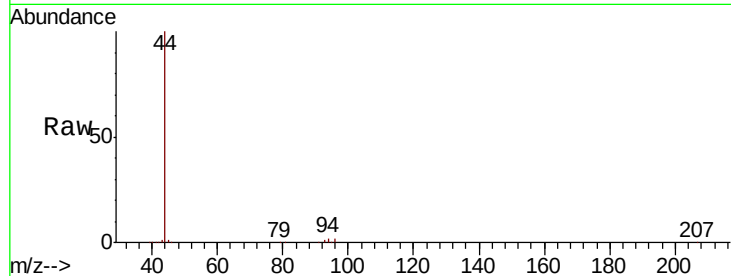
ClientSampled :

Tot Ion: 94 Resp: 3833

Ion Ratio Lower Upper

94 100

96 87.2 75.1 112.7



#6

Chloroethane

Concen: 5.993 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061151.D

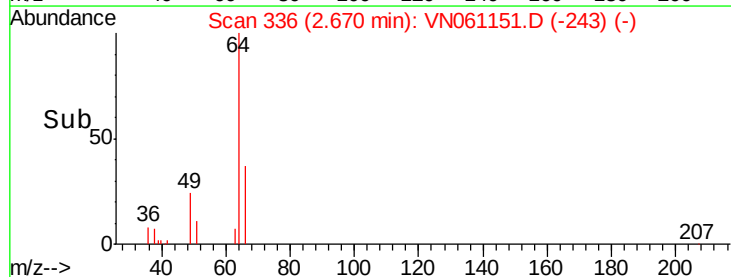
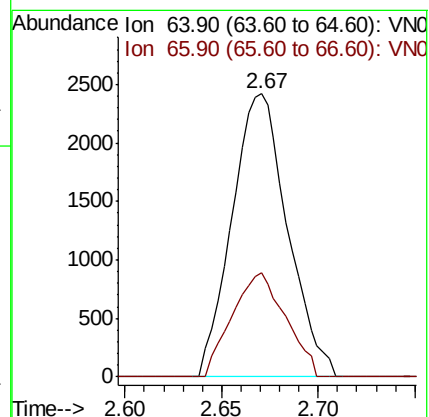
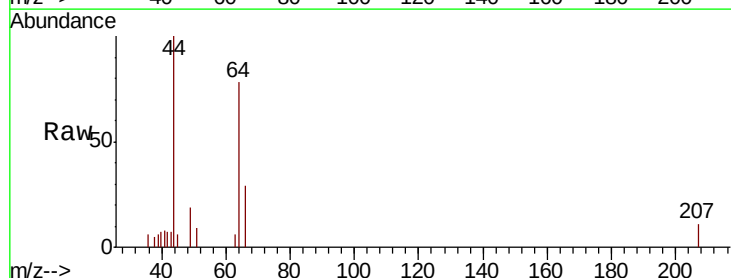
Acq: 27 Apr 2020 16:26

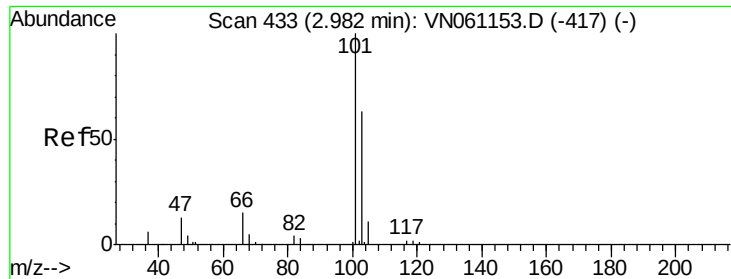
Tgt Ion: 64 Resp: 4836

Ion Ratio Lower Upper

64 100

66 36.6 24.6 36.8



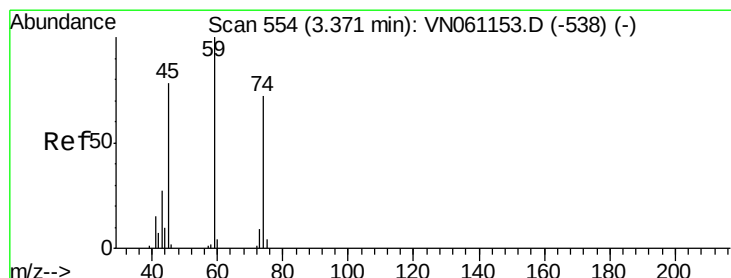
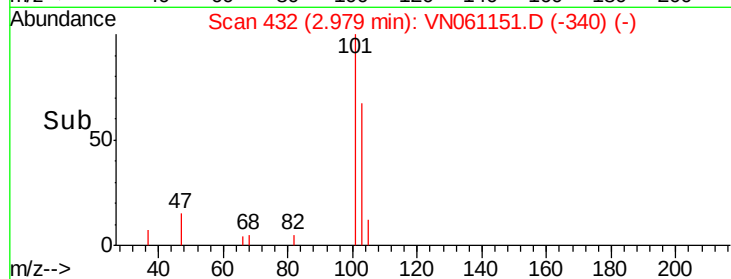
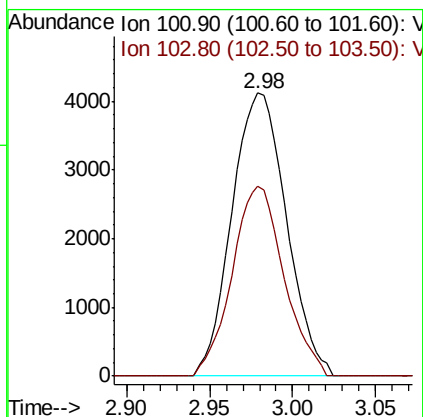
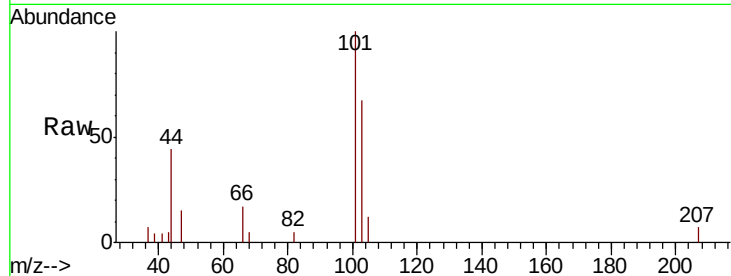


#7

Trichlorofluoromethane
 Concen: 5.916 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampleId :

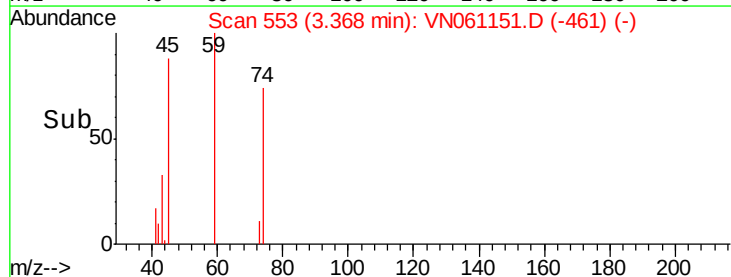
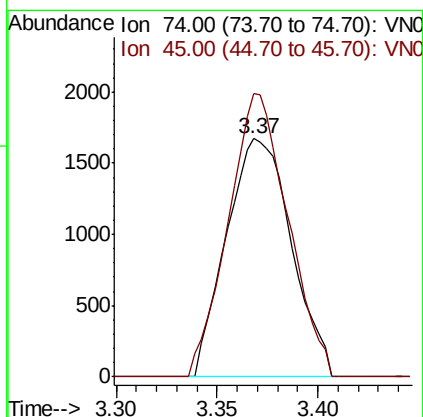
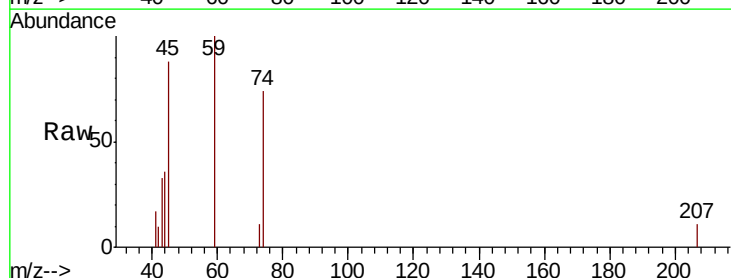
Tot Ion:101 Resp: 9418
 Ion Ratio Lower Upper
 101 100
 103 67.1 50.6 76.0

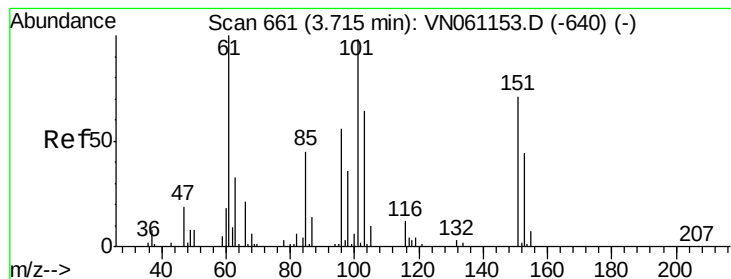


#8

Diethyl Ether
 Concen: 5.159 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion: 74 Resp: 3757
 Ion Ratio Lower Upper
 74 100
 45 109.1 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.562 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

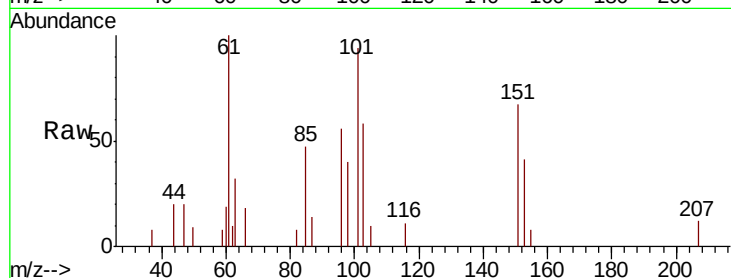
Tot Ion:101 Resp: 5837

Ion Ratio Lower Upper

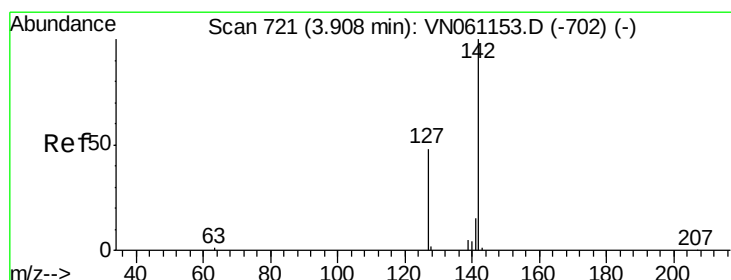
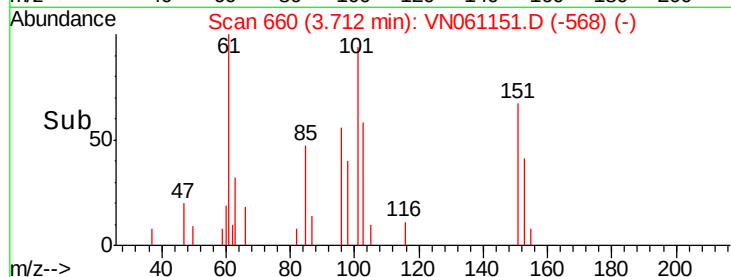
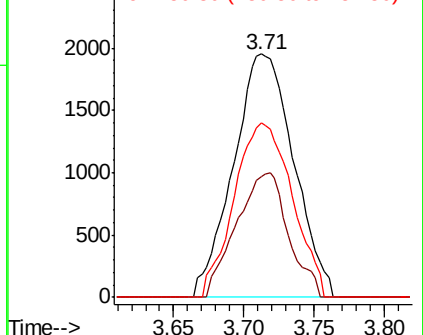
101 100

85 44.1 37.2 55.8

151 68.9 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.513 ug/l

RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

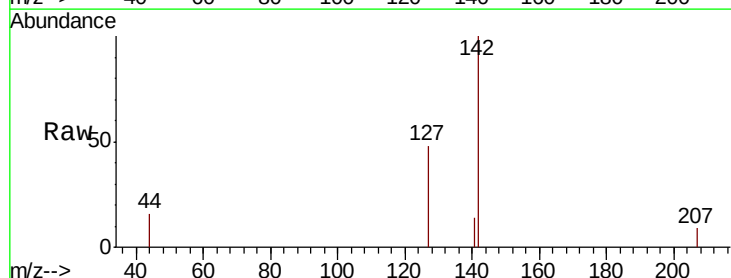
Tgt Ion:142 Resp: 6711

Ion Ratio Lower Upper

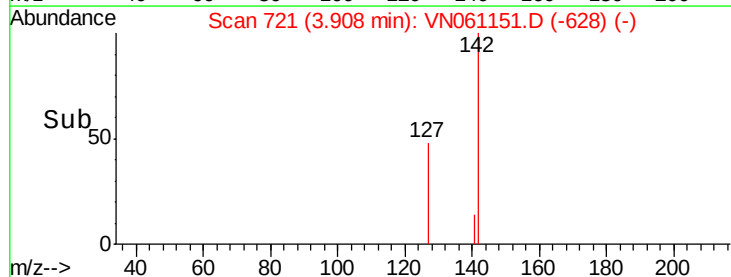
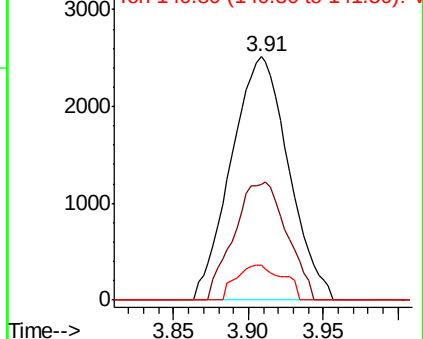
142 100

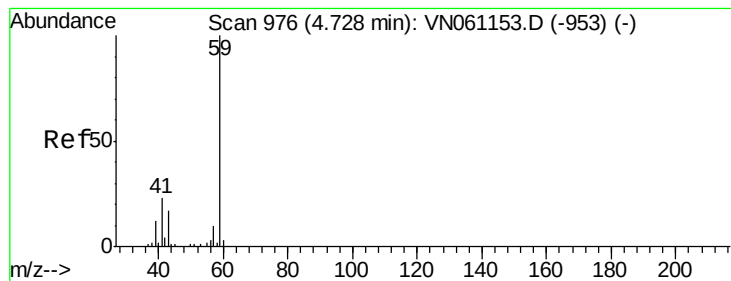
127 44.5 38.0 57.0

141 11.7 11.7 17.5



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



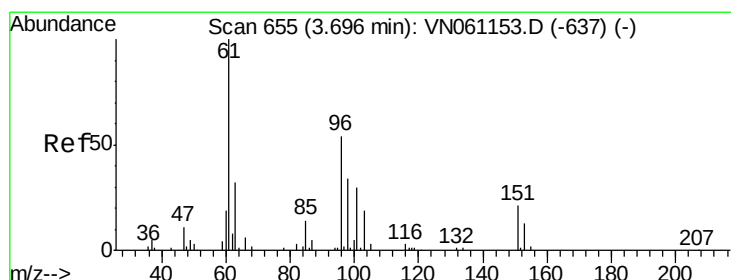
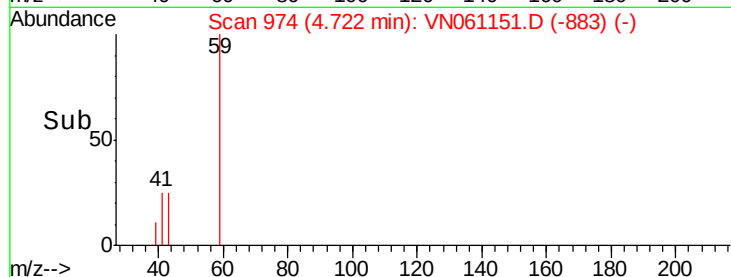
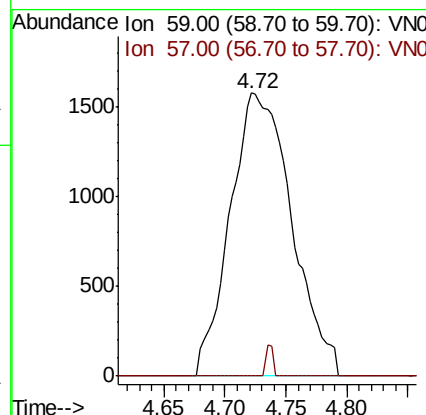
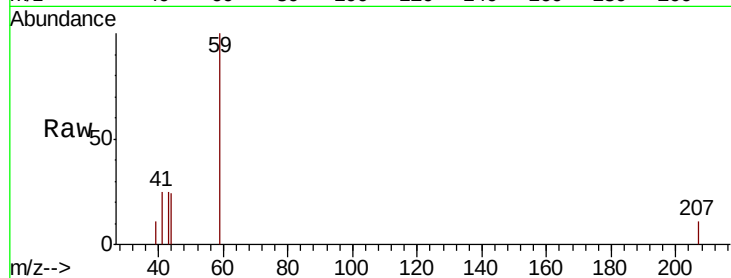


#11

Tert butyl alcohol
Concen: 29.596 ug/l
RT: 4.72 min Scan# 974
Delta R.T. -0.01 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :

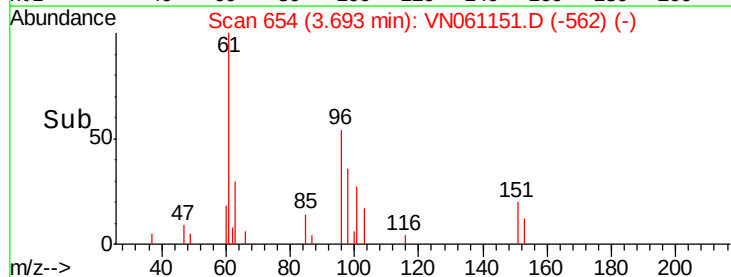
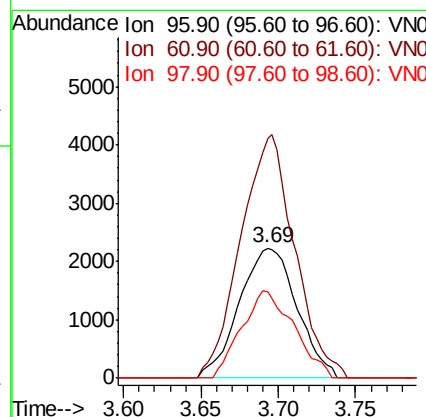
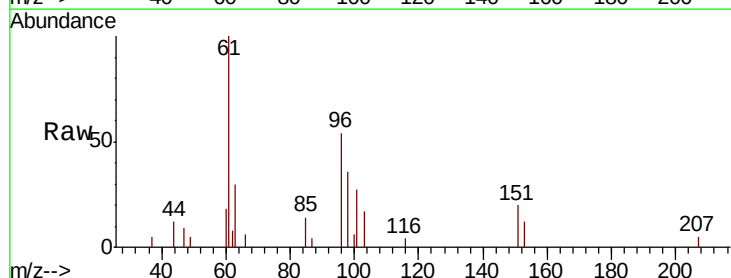
Tot Ion: 59 Resp: 5532
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

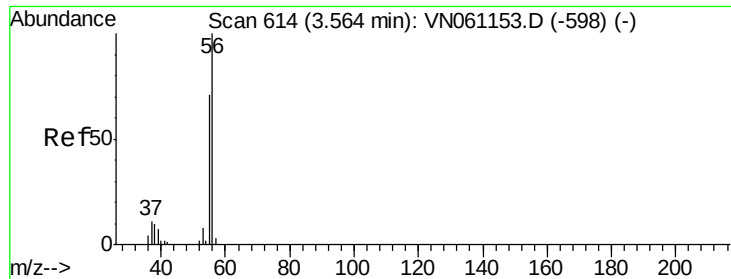


#12

1,1-Dichloroethene
Concen: 5.393 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 96 Resp: 5779
Ion Ratio Lower Upper
96 100
61 184.6 147.0 220.6
98 65.9 49.8 74.6

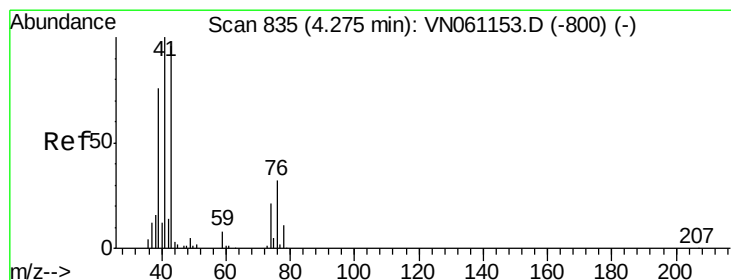
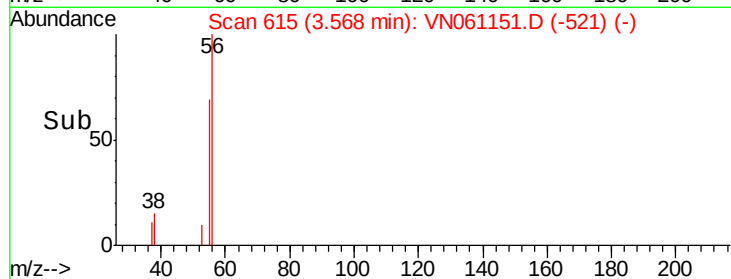
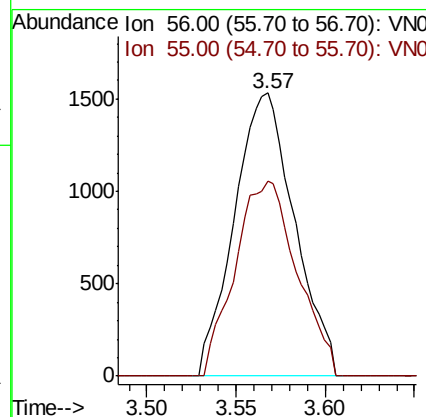
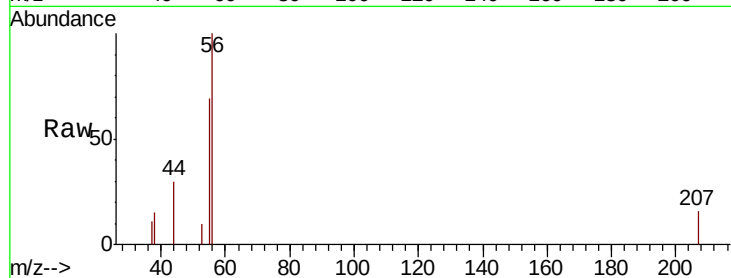




#13
Acrolein
Concen: 25.891 ug/l
RT: 3.57 min Scan# 615
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

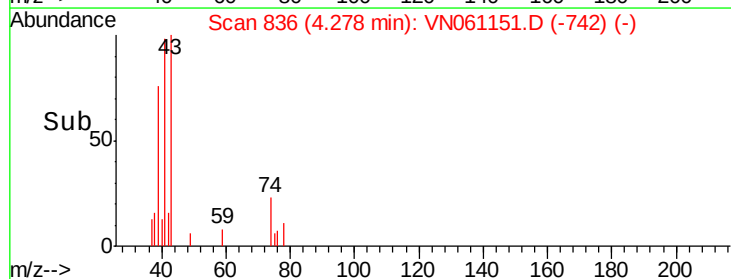
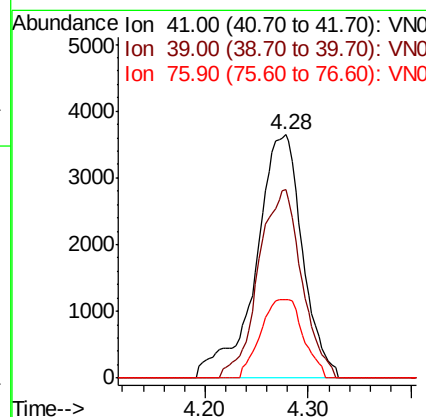
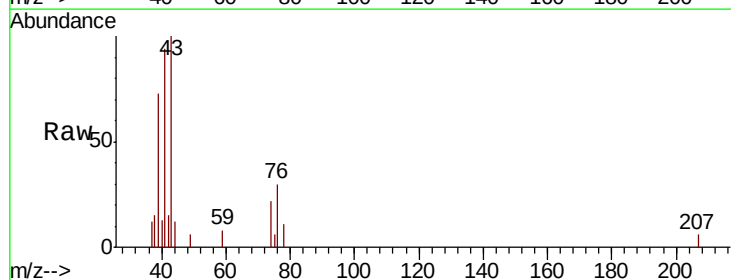
Instrument :
MSVOA_N
ClientSampleId :

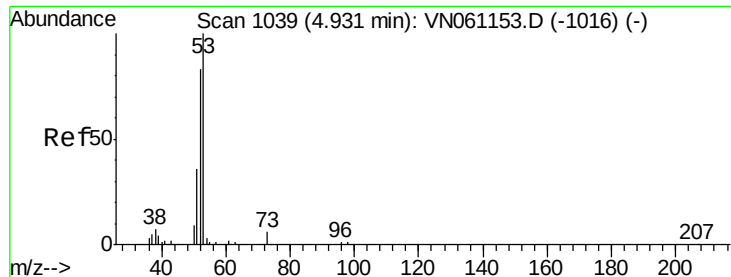
Tot Ion: 56 Resp: 3603
Ion Ratio Lower Upper
56 100
55 70.9 58.5 87.7



#14
Allyl chloride
Concen: 6.579 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 41 Resp: 11417
Ion Ratio Lower Upper
41 100
39 72.1 57.1 85.7
76 29.5 24.3 36.5

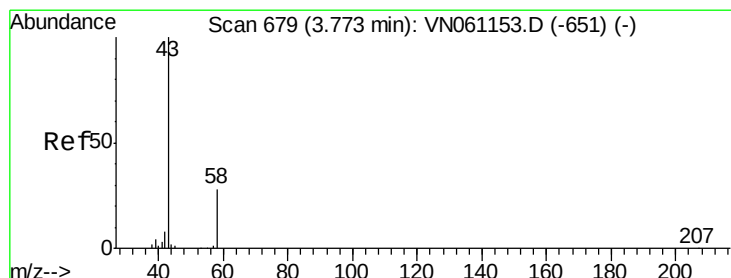
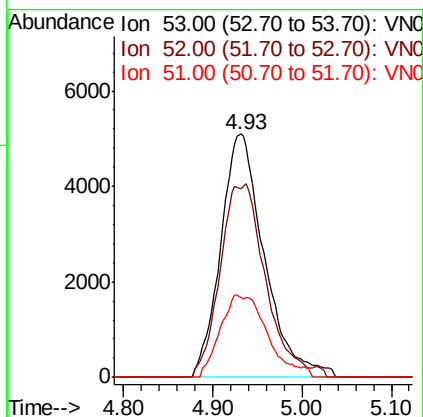
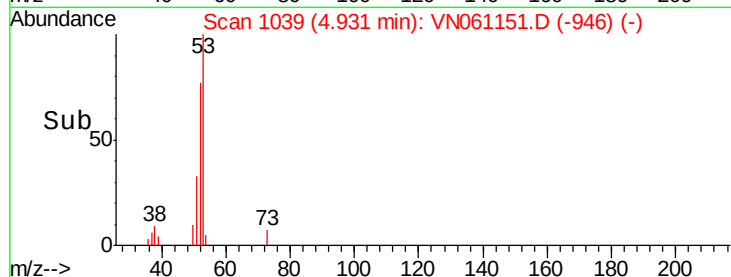
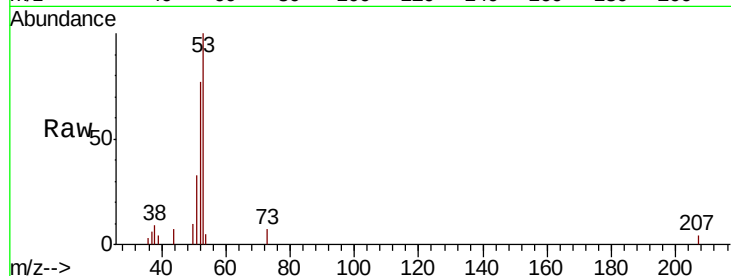




#15
 Acrylonitrile
 Concen: 29.713 ug/l
 RT: 4.93 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

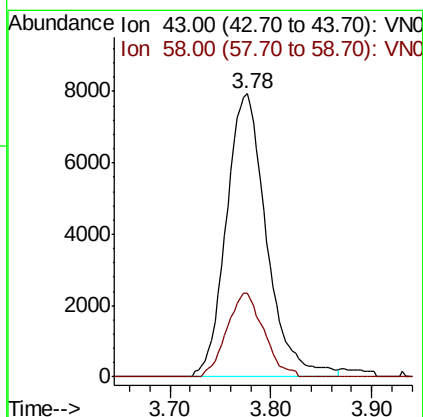
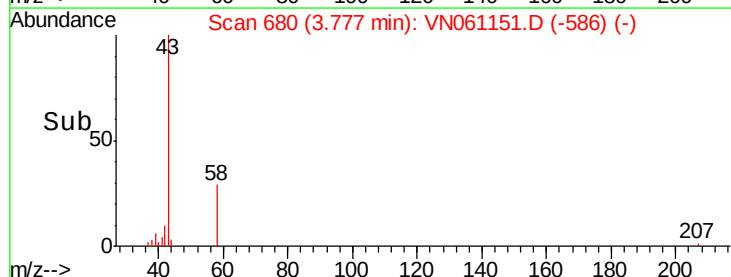
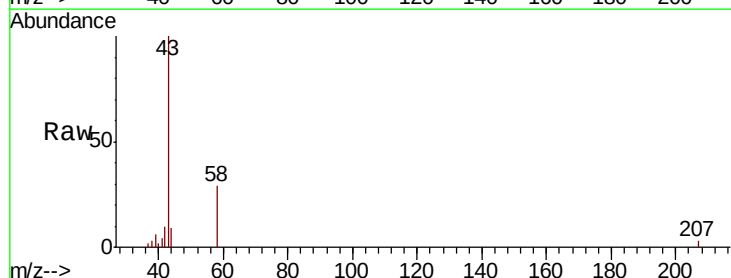
Instrument :
 MSVOA_N
 ClientSampleId :

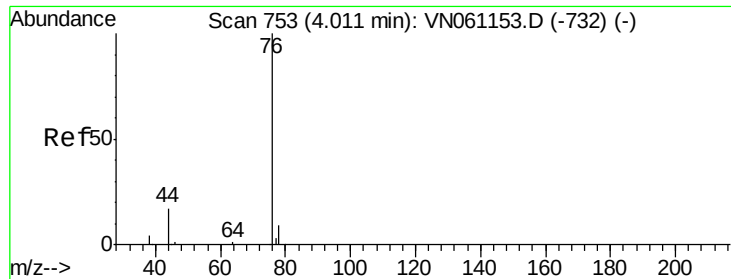
Tot Ion: 53 Resp: 17269
 Ion Ratio Lower Upper
 53 100
 52 82.0 65.4 98.0
 51 18.0 29.5 44.3#



#16
 Acetone
 Concen: 31.554 ug/l
 RT: 3.78 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion: 43 Resp: 22058
 Ion Ratio Lower Upper
 43 100
 58 29.4 22.2 33.2

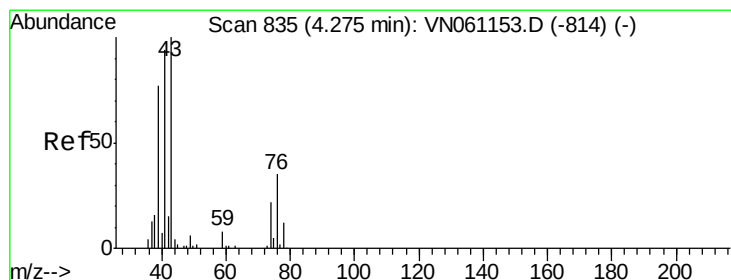
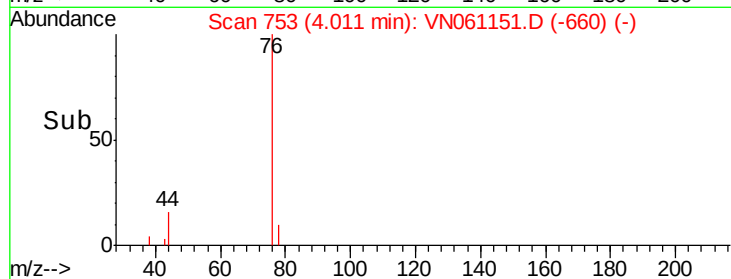
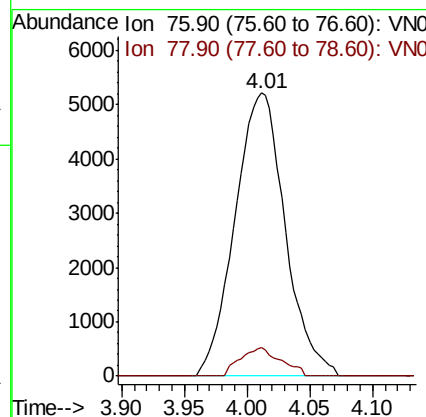
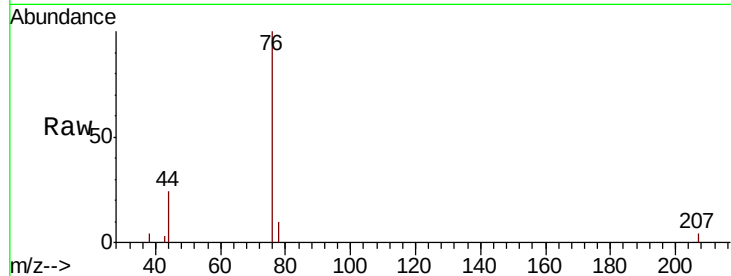




#17
Carbon Disulfide
Concen: 4.586 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

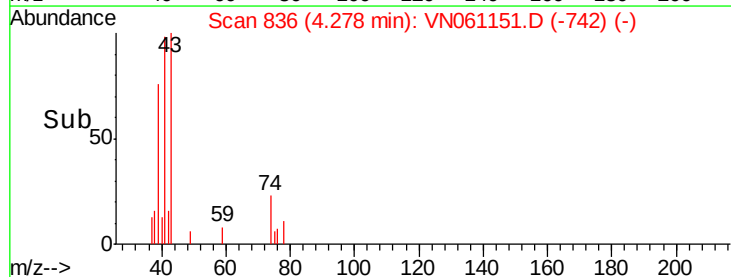
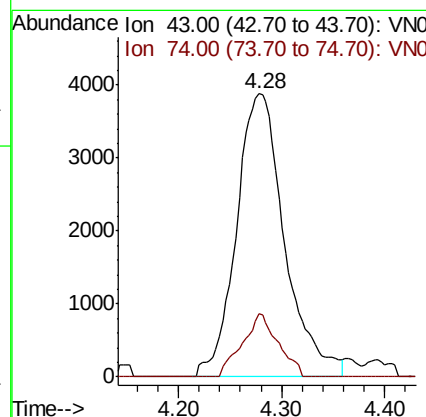
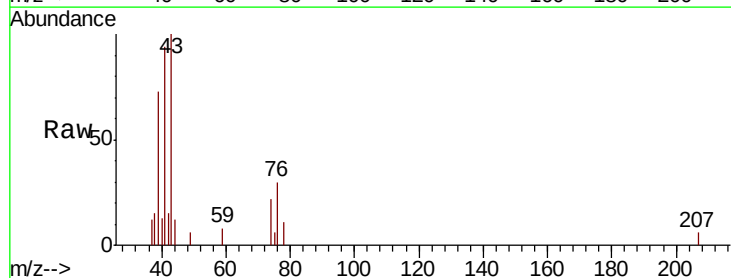
Instrument :
MSVOA_N
ClientSampleId :

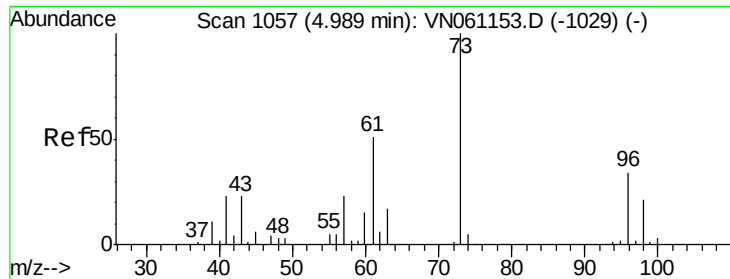
Tot Ion: 76 Resp: 14498
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8



#18
Methyl Acetate
Concen: 6.671 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 43 Resp: 12627
Ion Ratio Lower Upper
43 100
74 16.5 17.0 25.4#

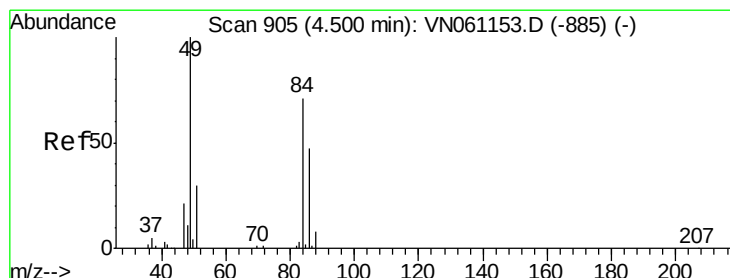
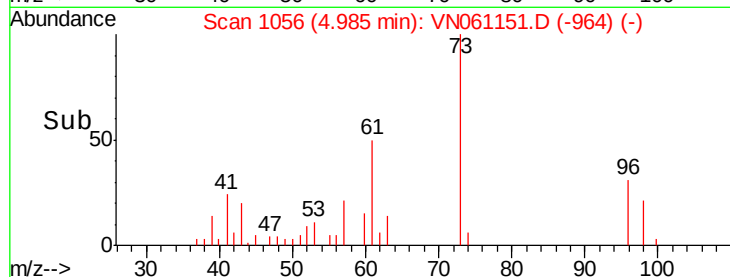
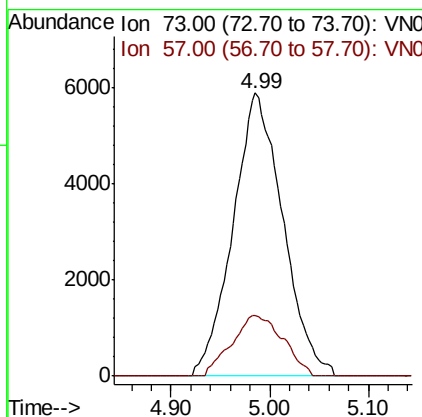
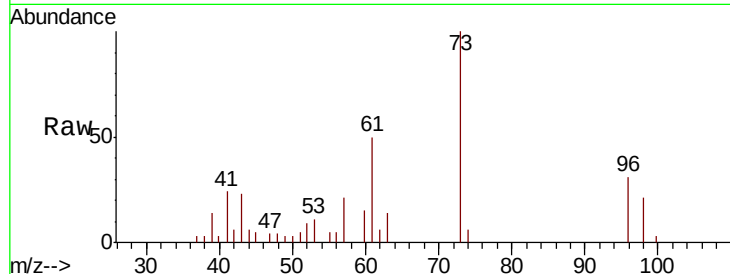




#19
Methyl tert-butyl Ether
Concen: 5.407 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

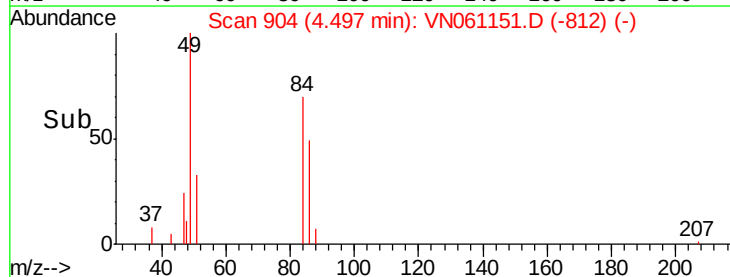
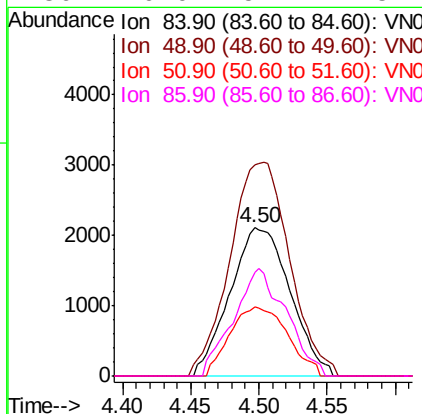
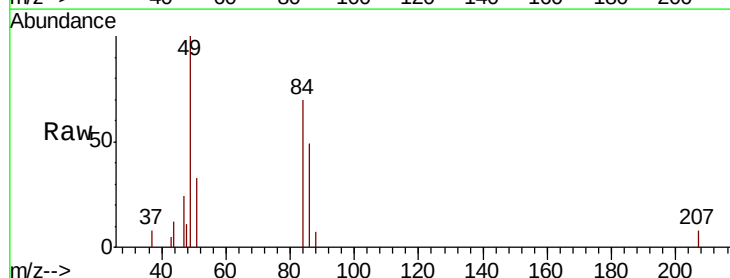
Instrument :
MSVOA_N
ClientSampleId :

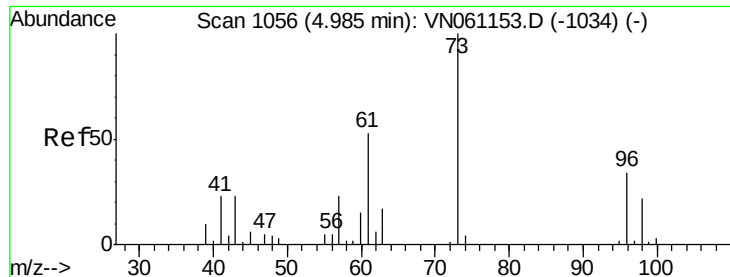
Tot Ion: 73 Resp: 20678
Ion Ratio Lower Upper
73 100
57 21.4 18.3 27.5



#20
Methylene Chloride
Concen: 5.212 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 84 Resp: 6485
Ion Ratio Lower Upper
84 100
49 142.7 112.0 168.0
51 46.6 33.6 50.4
86 70.0 52.1 78.1

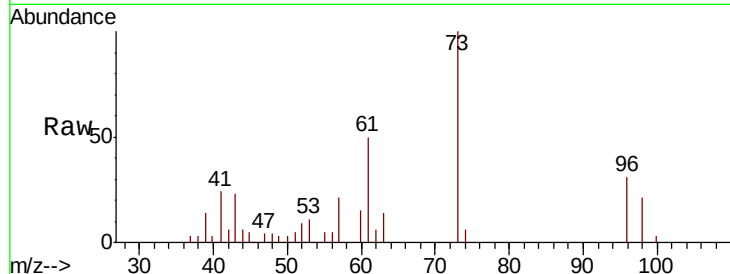




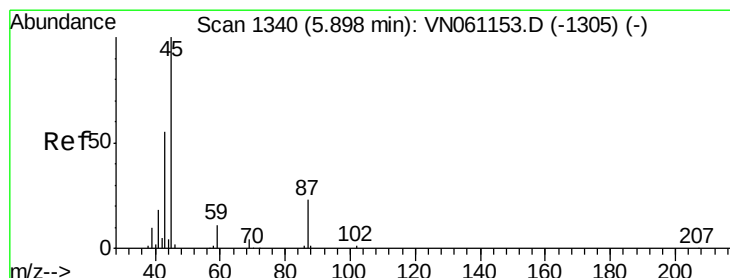
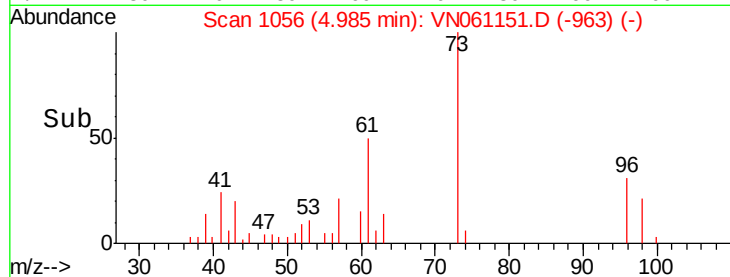
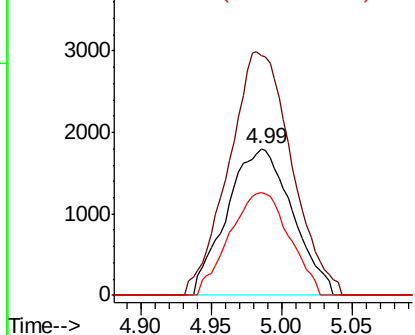
#21
trans-1,2-Dichloroethene
Concen: 4.562 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 5825
Ion Ratio Lower Upper
96 100
61 154.4 123.0 184.4
98 69.8 50.1 75.1

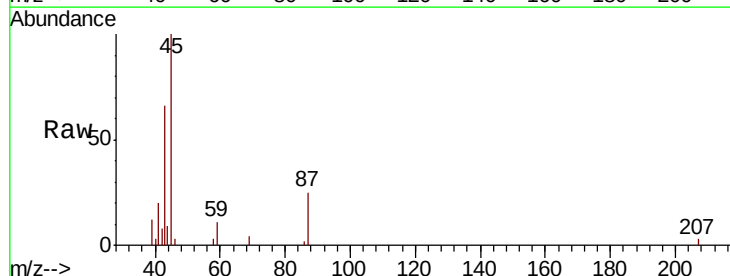


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

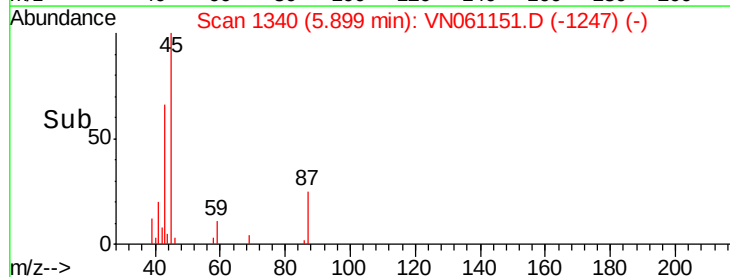
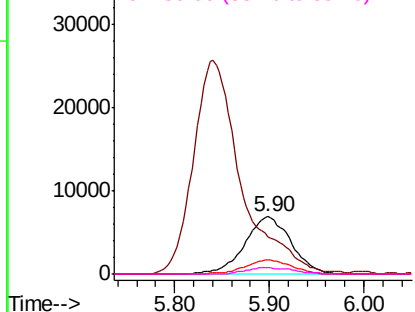


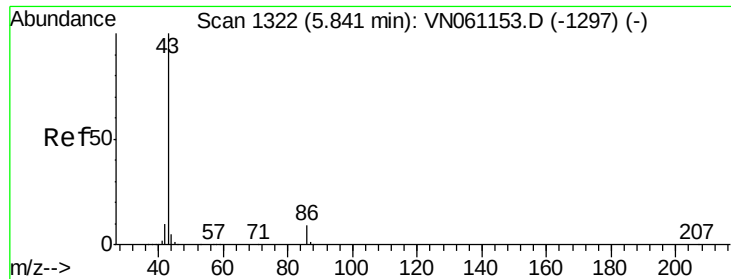
#22
Diisopropyl ether
Concen: 5.781 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 45 Resp: 23281
Ion Ratio Lower Upper
45 100
43 62.1 47.9 71.9
87 24.7 19.2 28.8
59 11.0 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 28.093 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

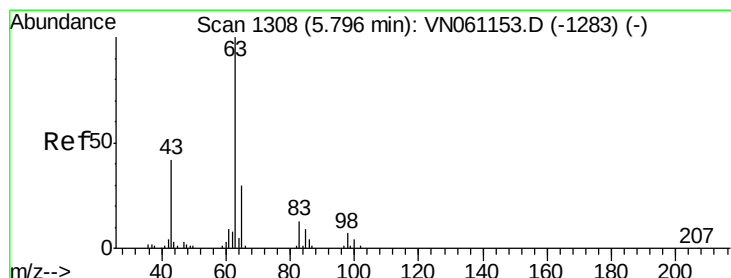
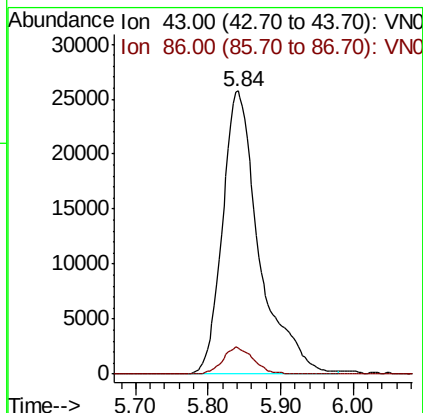
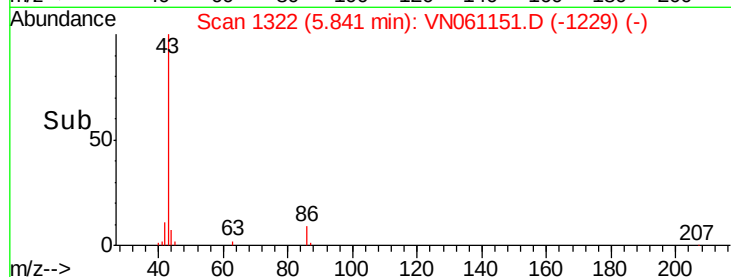
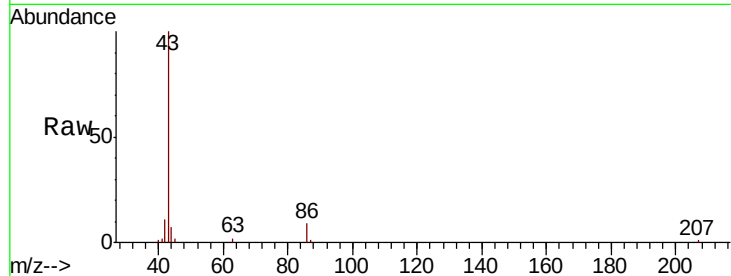
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 90766

Ion Ratio Lower Upper

43 100

86 9.4 7.2 10.8



#24

1,1-Dichloroethane

Concen: 5.870 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

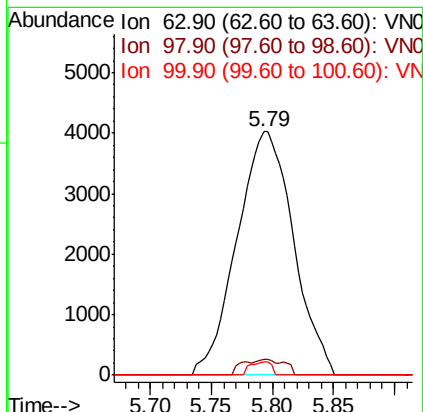
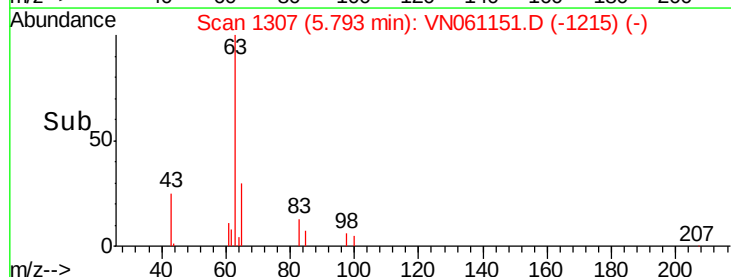
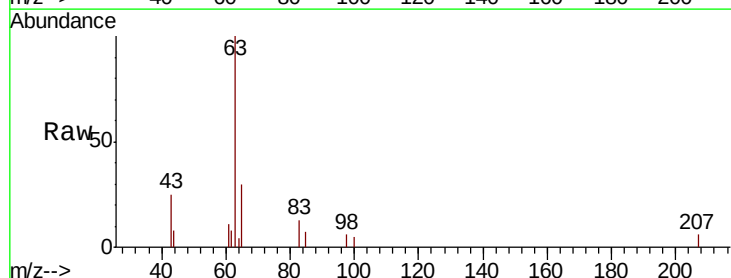
Tgt Ion: 63 Resp: 12900

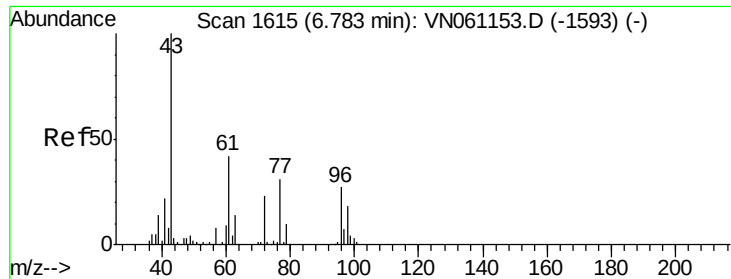
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 5.4 1.9 5.7





#25

2-Butanone

Concen: 30.472 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

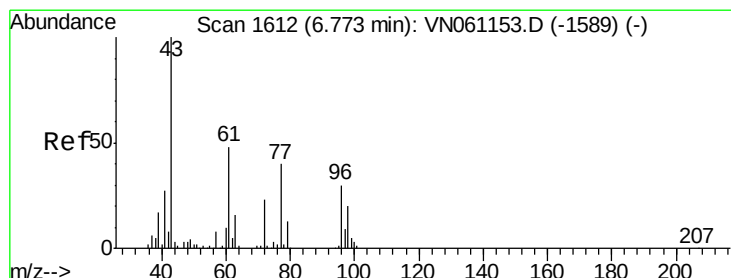
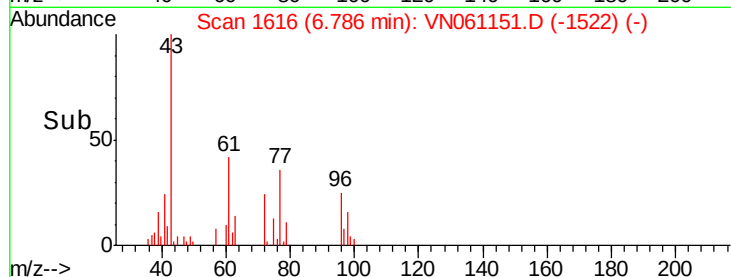
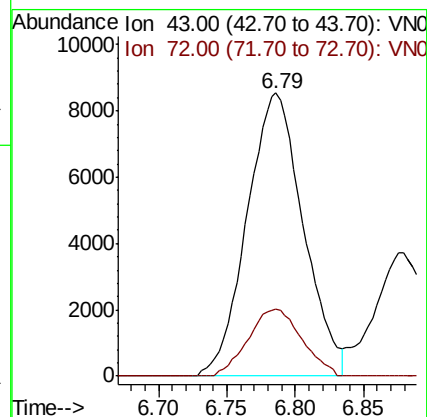
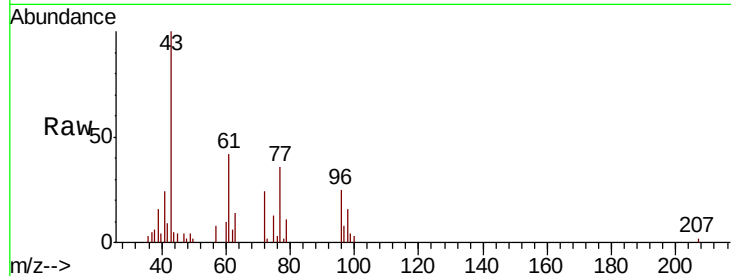
ClientSampleId :

Tot Ion: 43 Resp: 24409

Ion Ratio Lower Upper

43 100

72 23.8 18.2 27.4



#26

2,2-Dichloropropane

Concen: 5.740 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061151.D

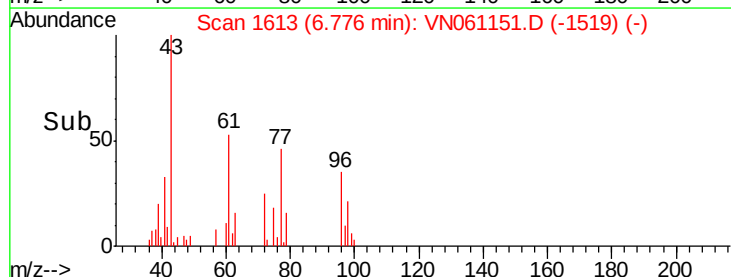
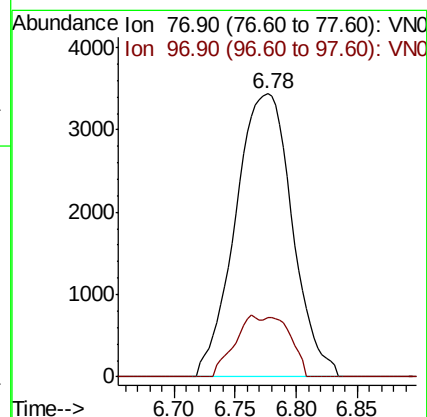
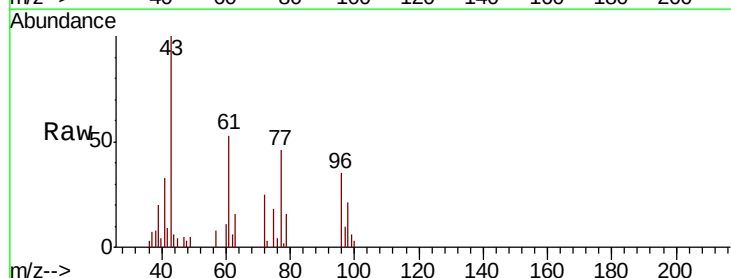
Acq: 27 Apr 2020 16:26

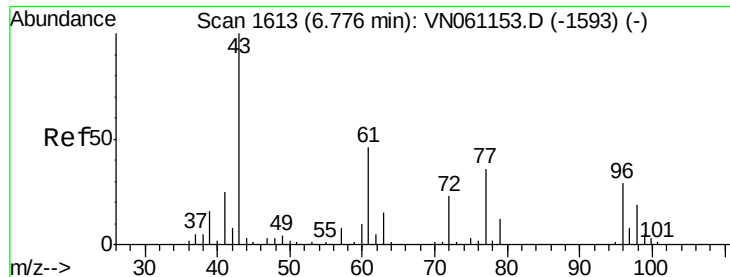
Tgt Ion: 77 Resp: 11129

Ion Ratio Lower Upper

77 100

97 9.9 10.5 31.5#





#27

cis-1,2-Dichloroethene

Concen: 5.204 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampled :

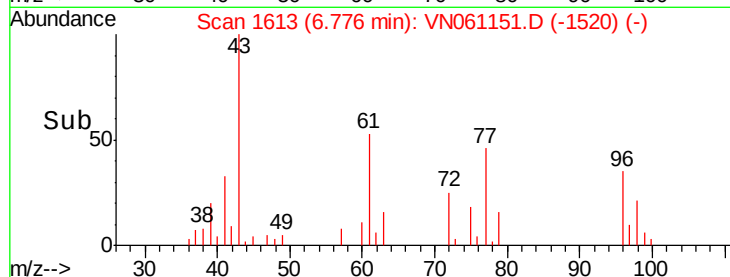
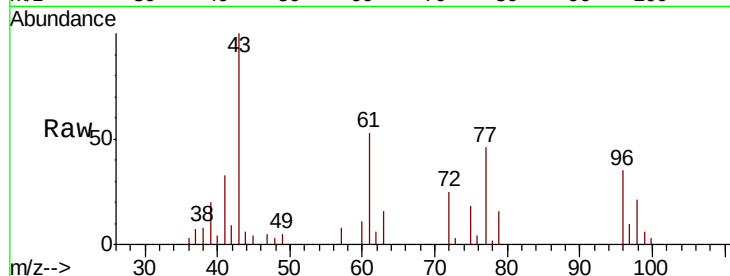
Tot Ion: 96 Resp: 7393

Ion Ratio Lower Upper

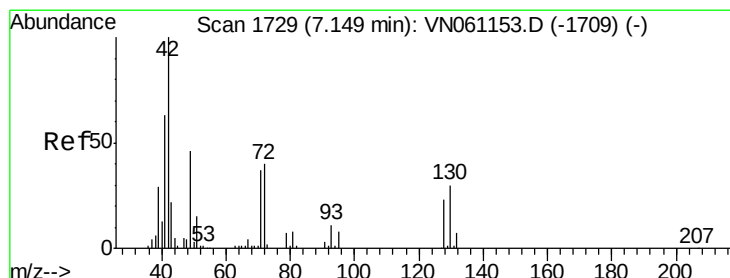
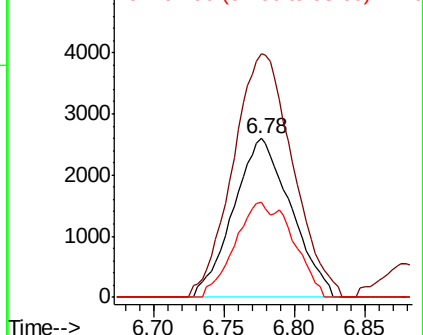
96 100

61 159.0 0.0 322.0

98 60.2 0.0 129.6



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: 6.630 ug/l

RT: 7.15 min Scan# 1730

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

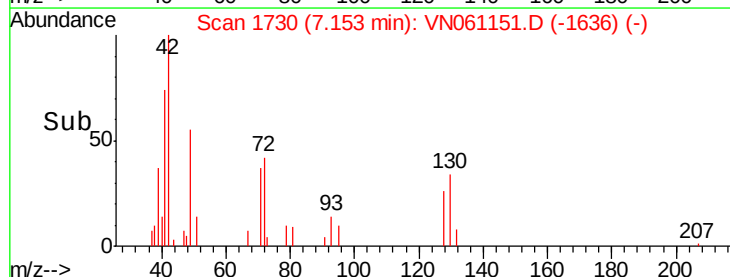
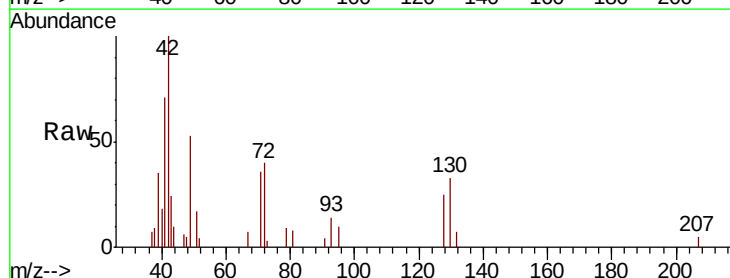
Tgt Ion: 49 Resp: 6319

Ion Ratio Lower Upper

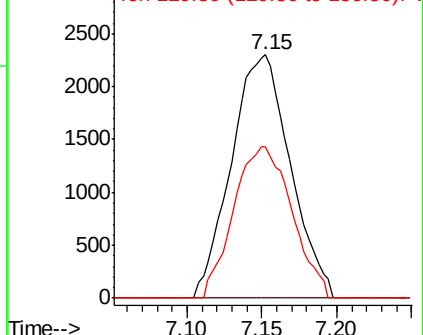
49 100

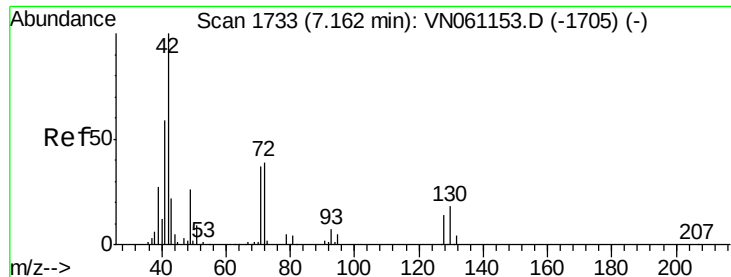
129 0.0 0.0 3.0

130 61.3 51.4 77.2



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

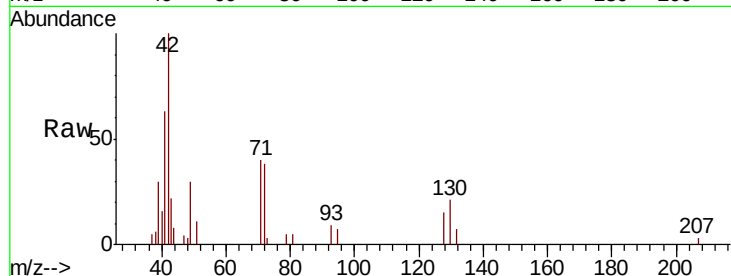




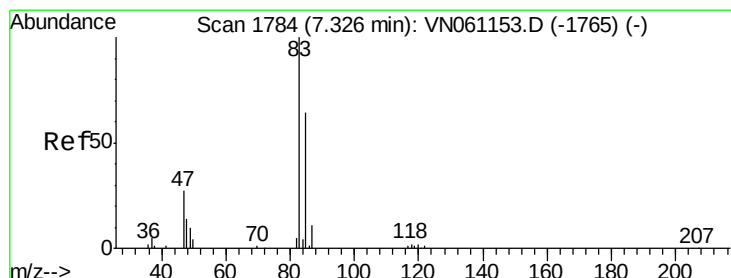
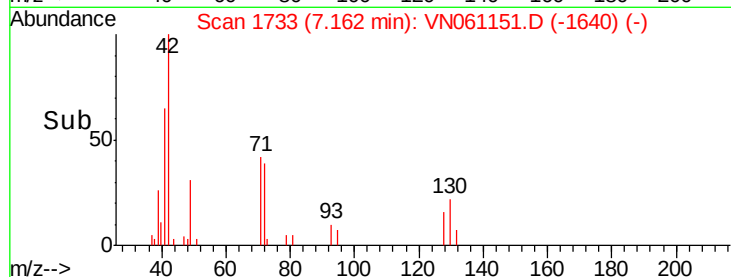
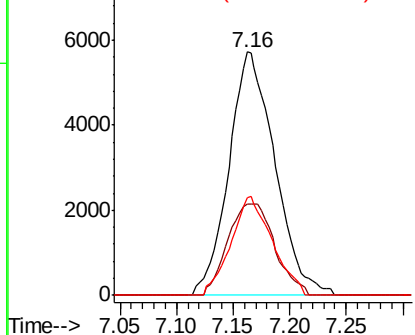
#29
Tetrahydrofuran
Concen: 29.343 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 16171
Ion Ratio Lower Upper
42 100
72 38.3 31.4 47.0
71 36.5 29.5 44.3

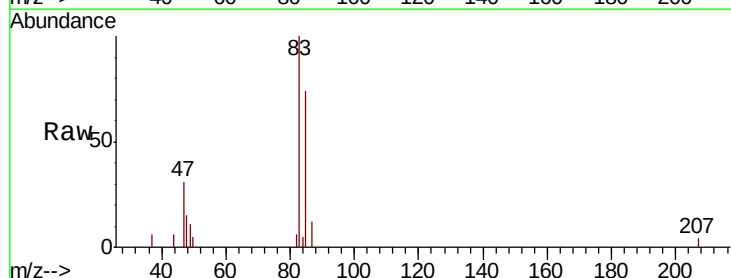


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

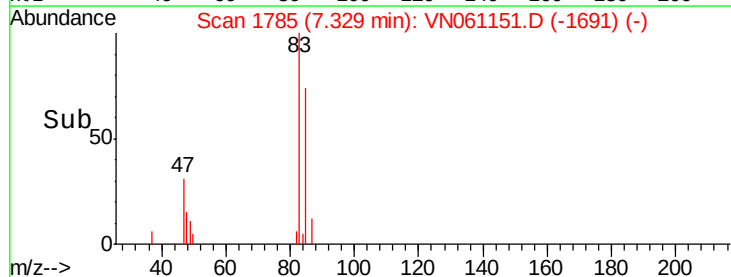
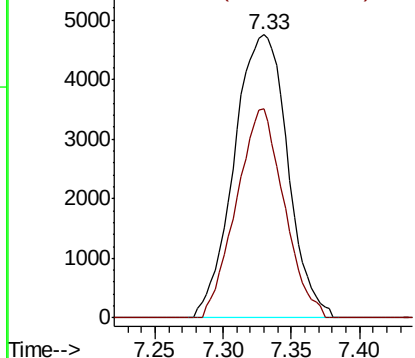


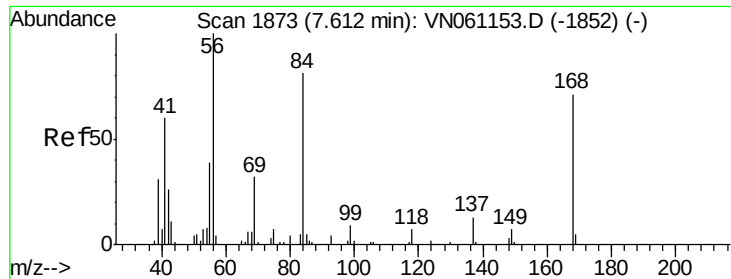
#30
Chloroform
Concen: 5.828 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 83 Resp: 12946
Ion Ratio Lower Upper
83 100
85 73.8 51.1 76.7



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

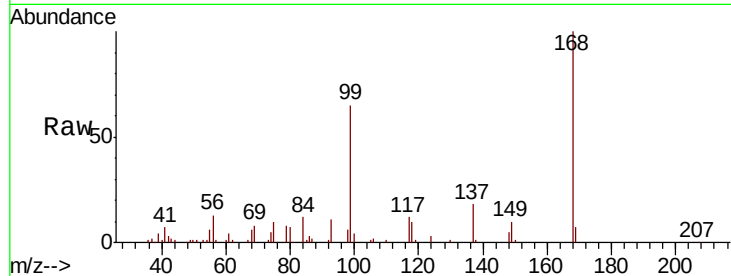




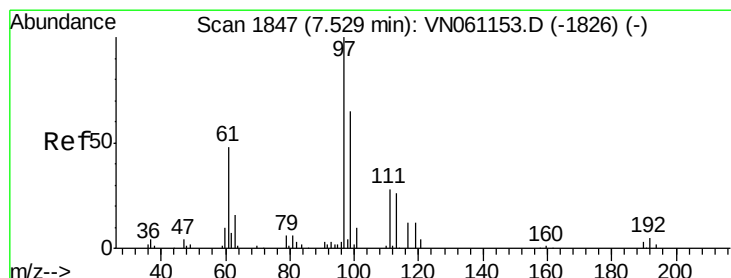
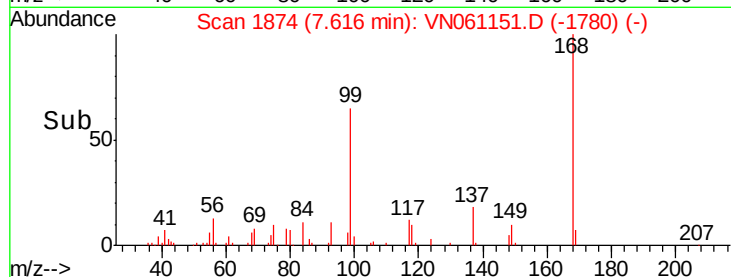
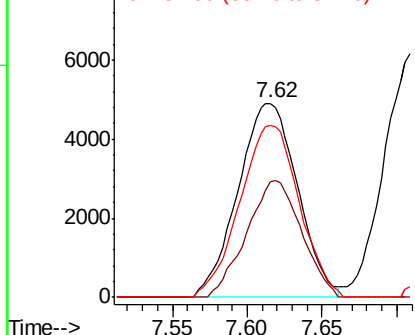
#31
Cyclohexane
Concen: 6.160 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 13584
Ion Ratio Lower Upper
56 100
69 59.3 25.7 38.5#
84 88.5 64.6 97.0

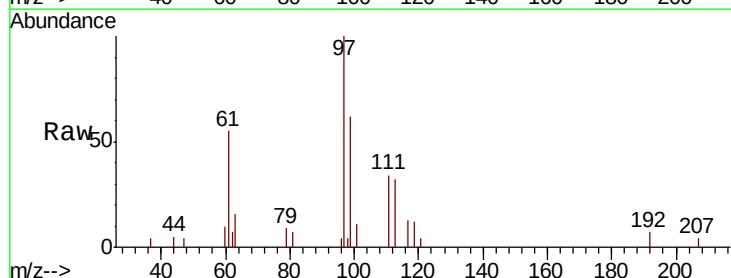


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

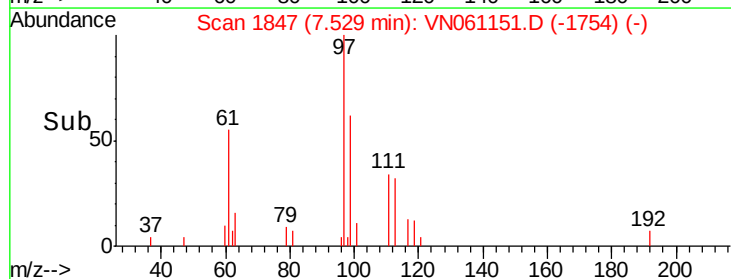
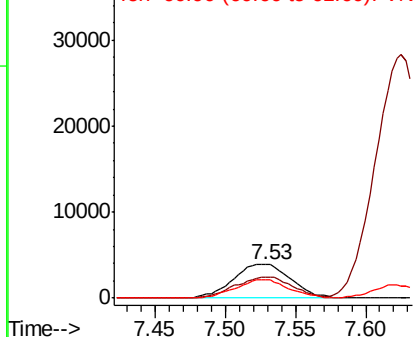


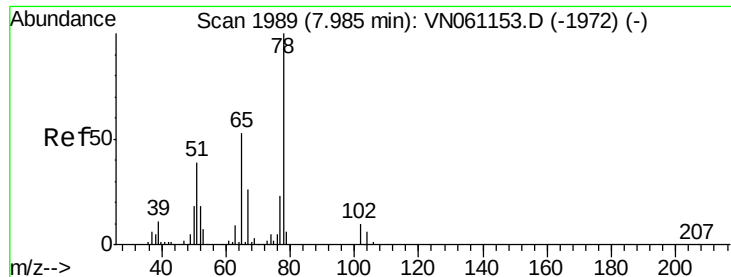
#32
1,1,1-Trichloroethane
Concen: 5.606 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 97 Resp: 11102
Ion Ratio Lower Upper
97 100
99 62.5 51.3 76.9
61 50.4 38.6 57.8



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

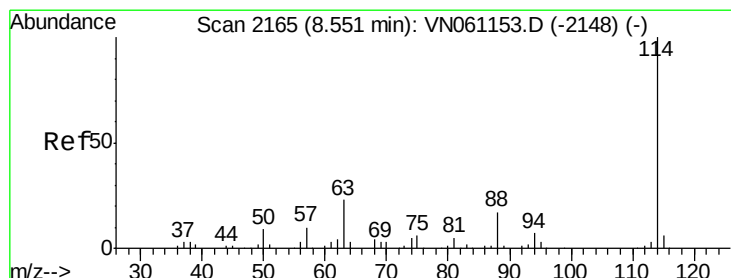
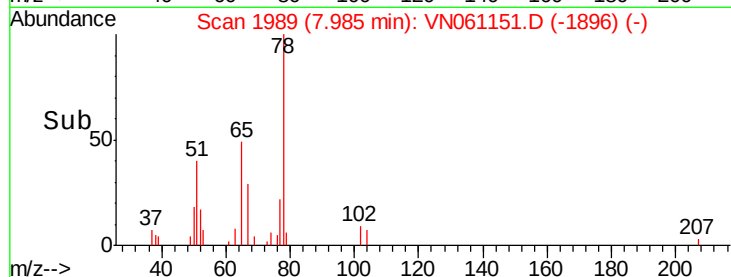
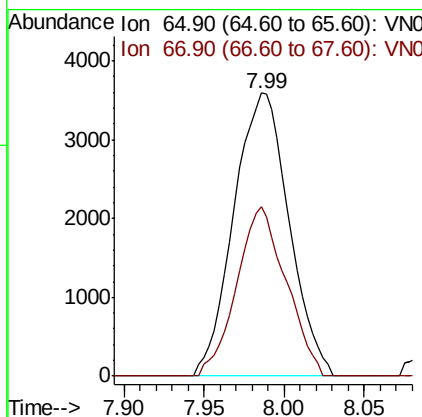
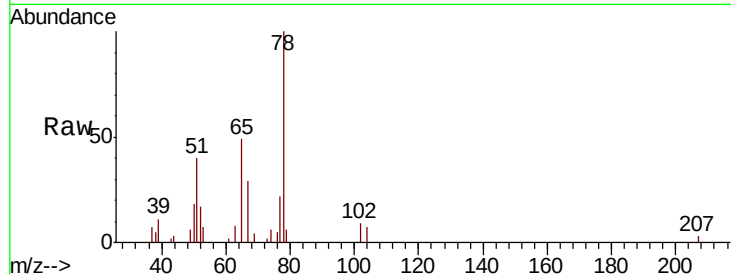




#33
 1,2-Dichloroethane-d4
 Concen: 5.842 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

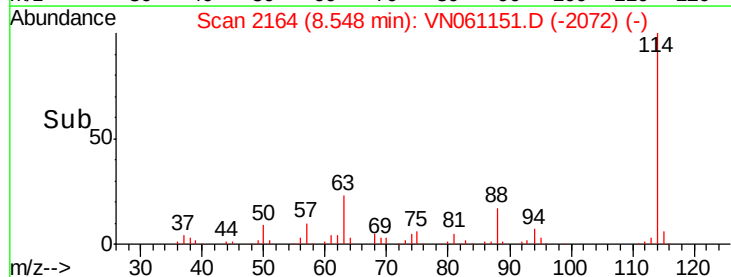
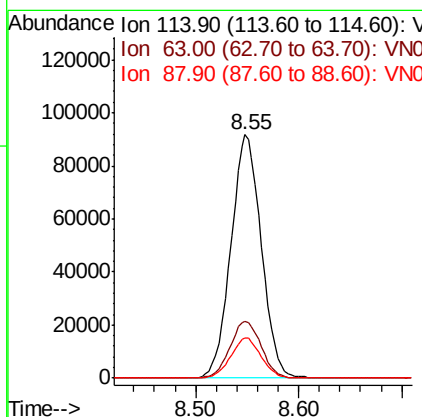
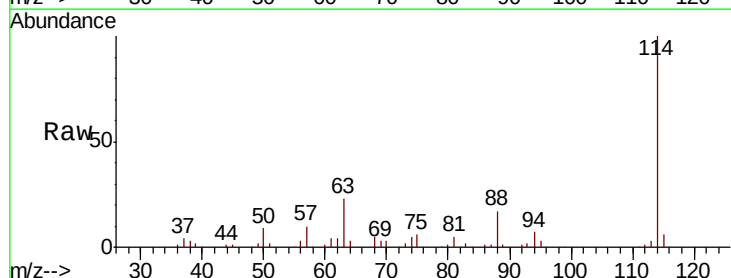
Instrument :
 MSVOA_N
 ClientSampleId :

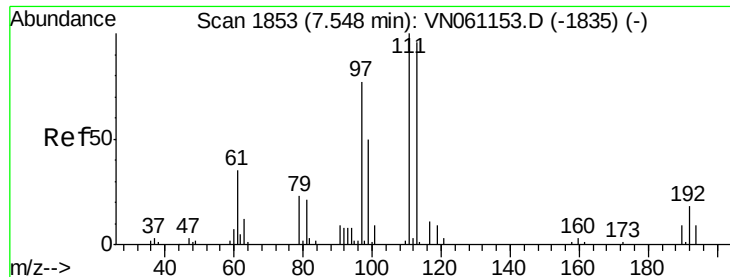
Tot Ion: 65 Resp: 8496
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion: 114 Resp: 188069
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.6
 88 16.6 0.0 33.4

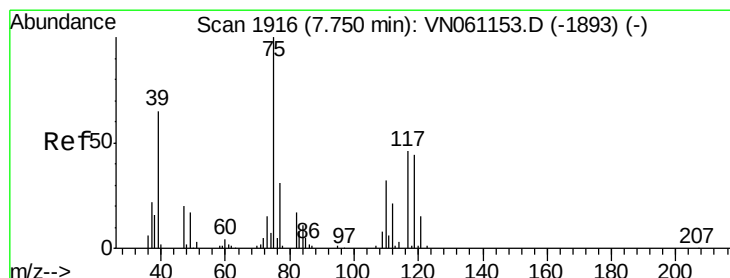
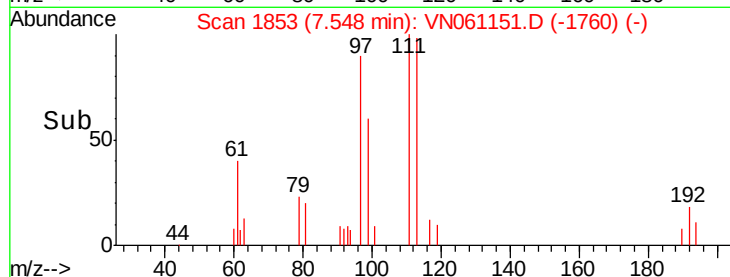
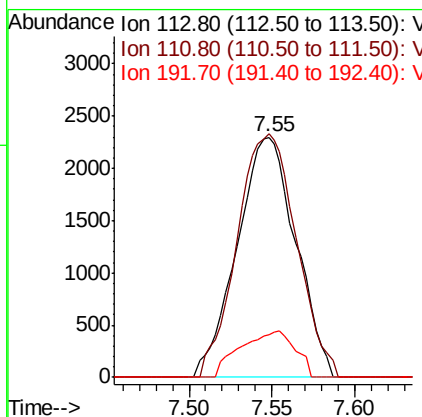
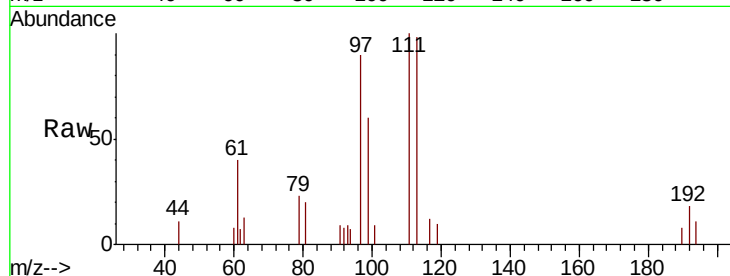




#35
 Dibromofluoromethane
 Concen: 5.241 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

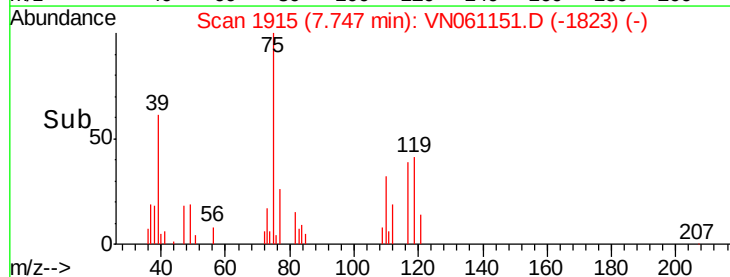
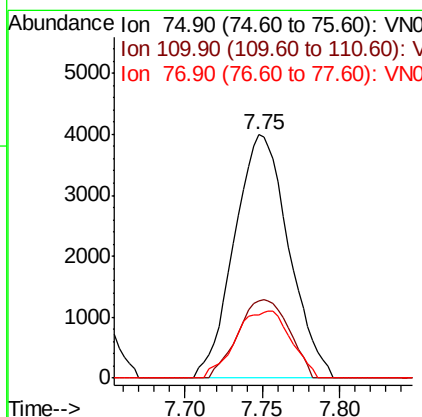
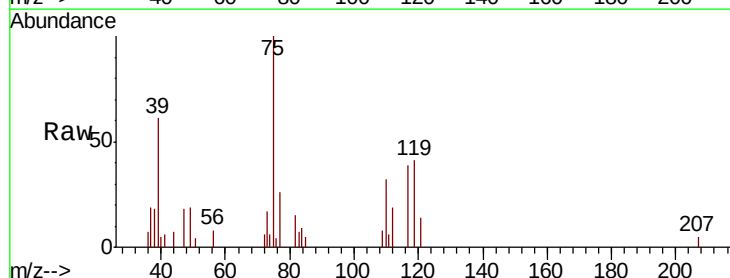
Instrument :
 MSVOA_N
 ClientSampleId :

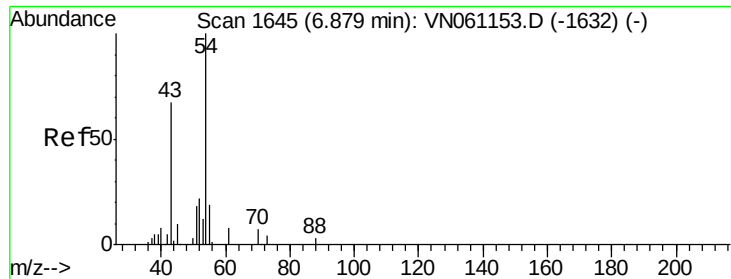
Tot Ion:113 Resp: 5647
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 18.1 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 5.292 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion: 75 Resp: 9760
 Ion Ratio Lower Upper
 75 100
 110 30.3 16.0 48.0
 77 28.0 24.6 37.0

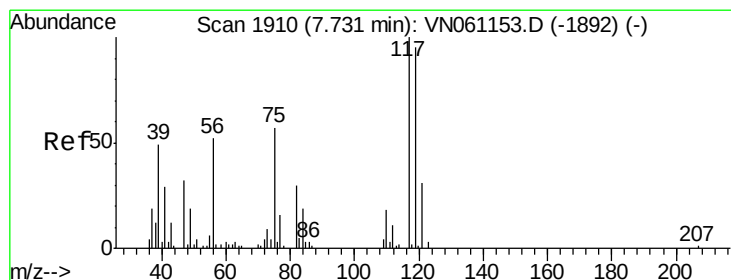
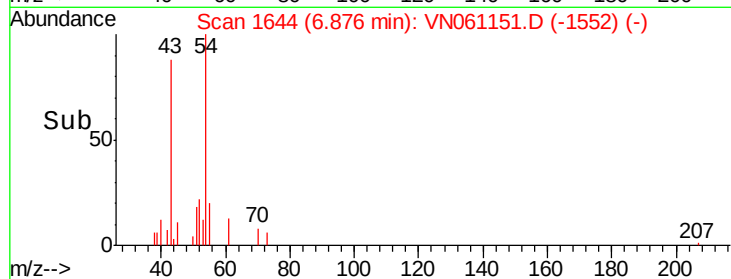
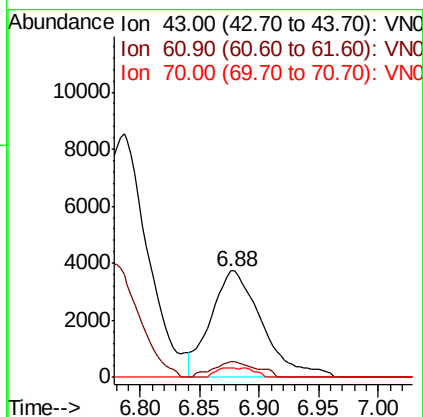
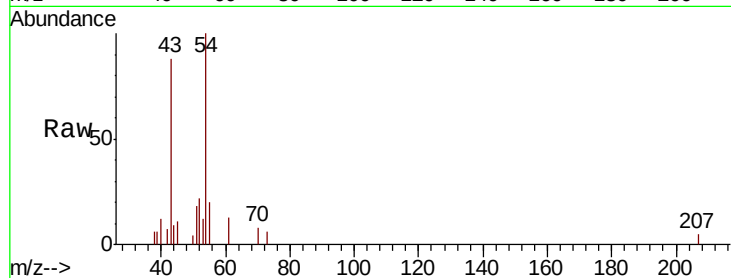




#37
Ethyl Acetate
Concen: 5.909 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

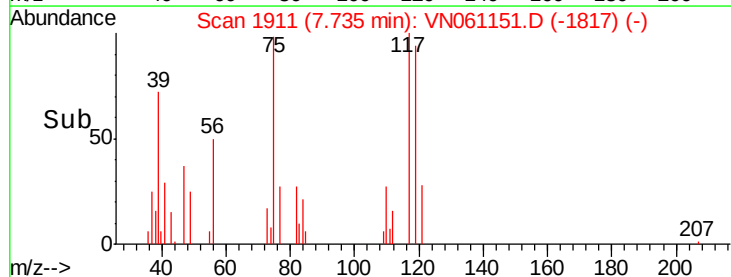
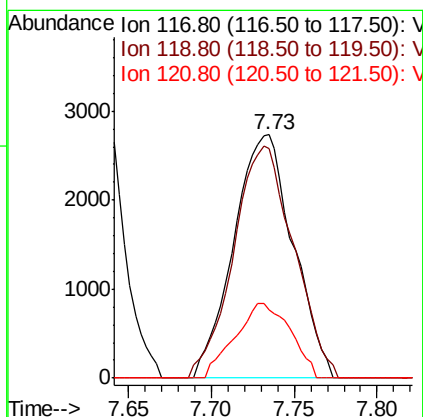
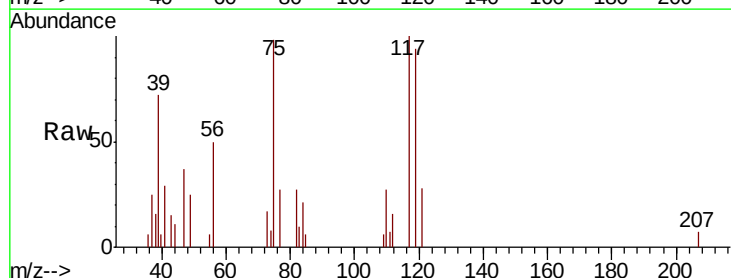
Instrument :
MSVOA_N
ClientSampled :

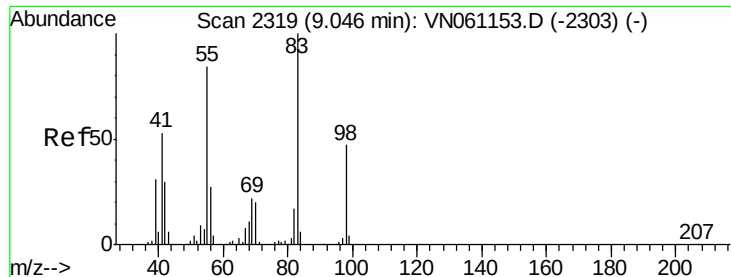
Tot Ion: 43 Resp: 11195
Ion Ratio Lower Upper
43 100
61 12.5 10.2 15.2
70 3.8 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.261 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 117 Resp: 6826
Ion Ratio Lower Upper
117 100
119 94.4 75.8 113.6
121 28.0 24.7 37.1

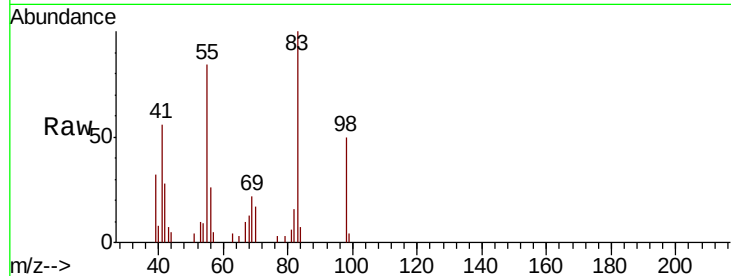




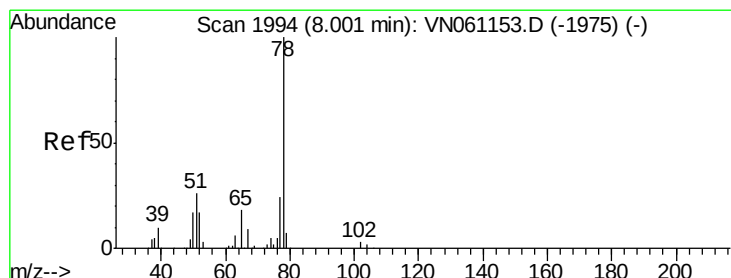
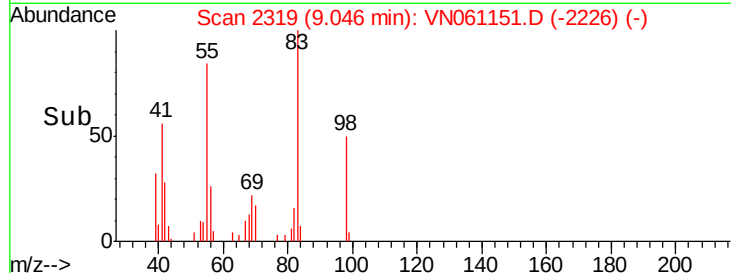
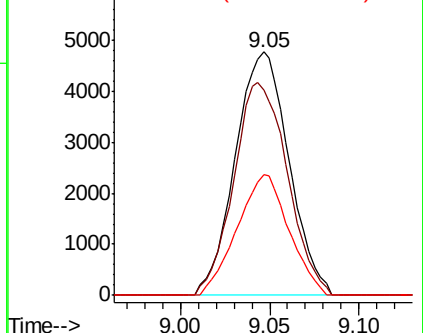
#39
Methylvlcyclohexane
Concen: 4.503 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 10010
Ion Ratio Lower Upper
83 100
55 84.5 67.3 100.9
98 49.8 37.7 56.5

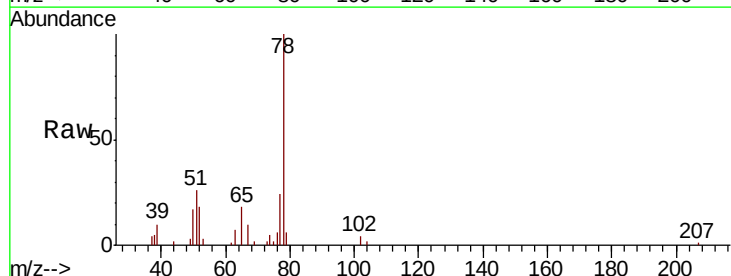


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

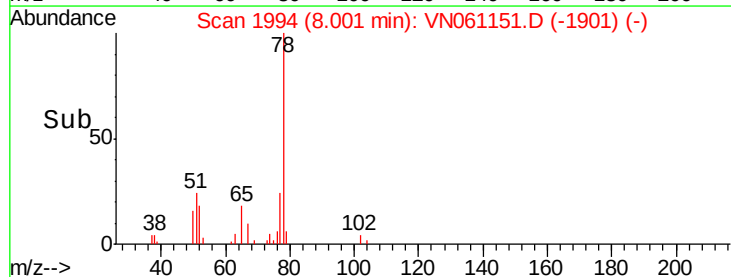
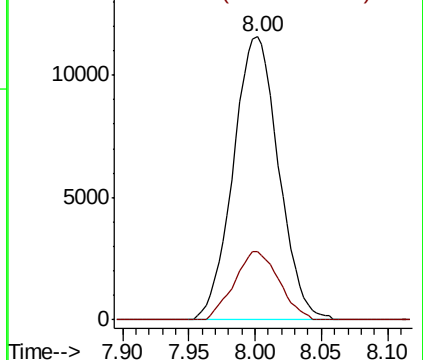


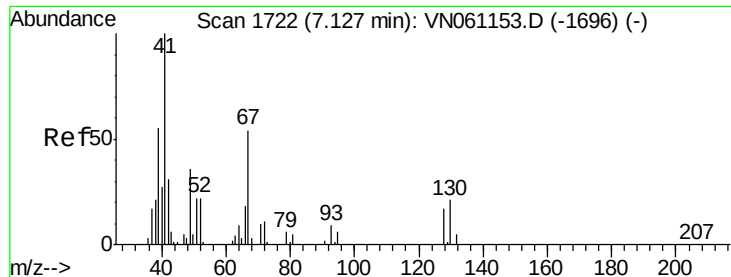
#40
Benzene
Concen: 5.050 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 78 Resp: 27529
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6



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

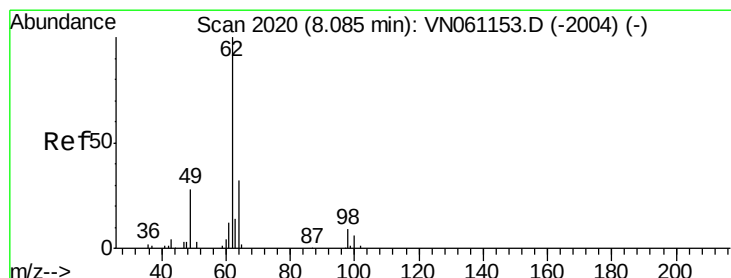
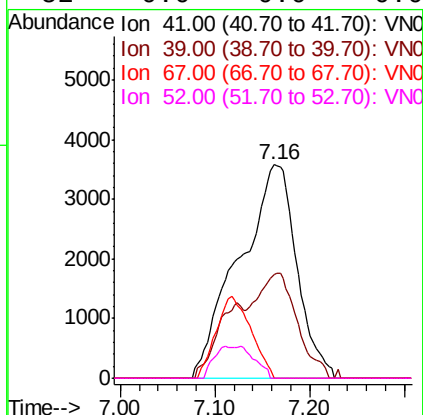
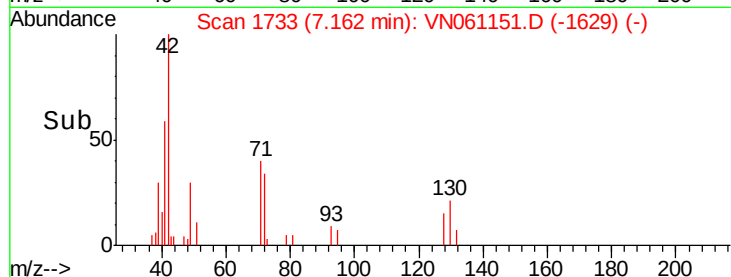
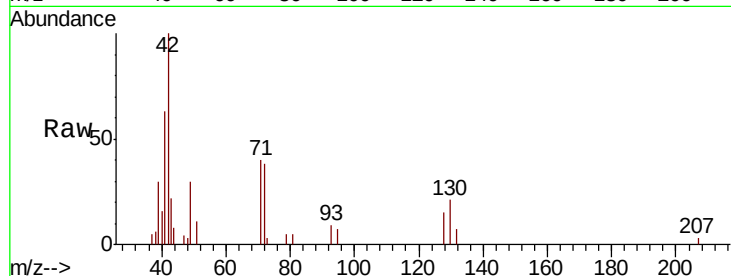




#41
Methacrylonitrile
Concen: 17.444 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.04 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

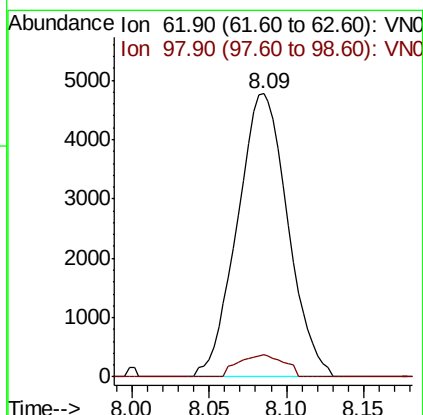
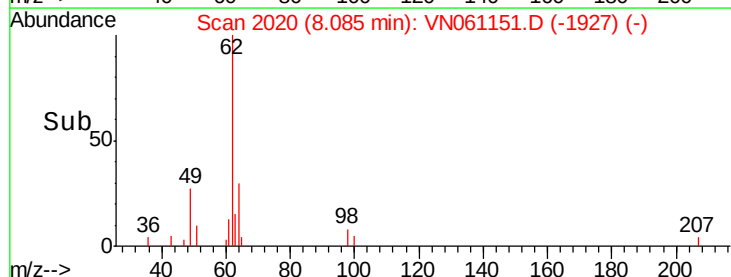
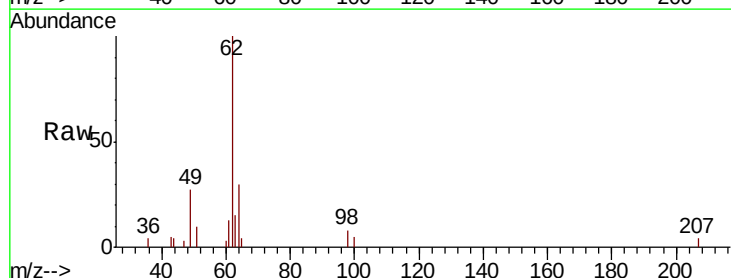
Instrument :
MSVOA_N
ClientSampled :

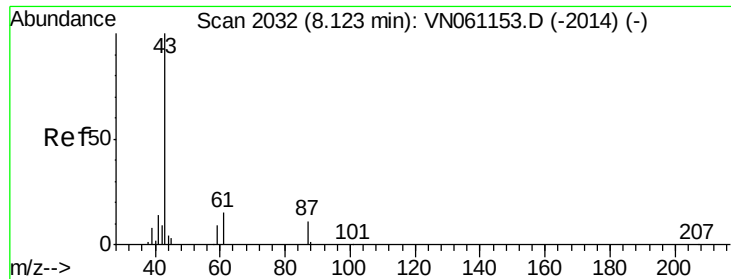
Tot Ion:	41	Resp:	15140
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 5.498 ug/l
RT: 8.09 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion:	62	Resp:	10834
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	16.8





#43

Isopropyl Acetate

Concen: 5.527 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampled :

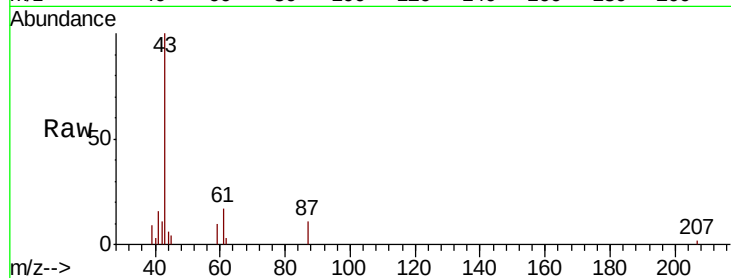
Tot Ion: 43 Resp: 17731

Ion Ratio Lower Upper

43 100

61 19.0 19.5 29.3#

87 10.7 8.9 13.3

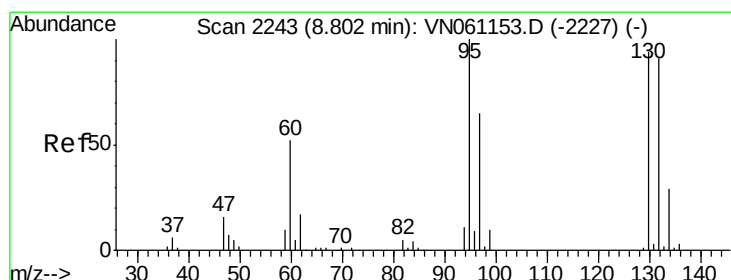
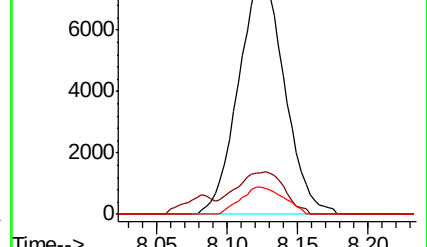
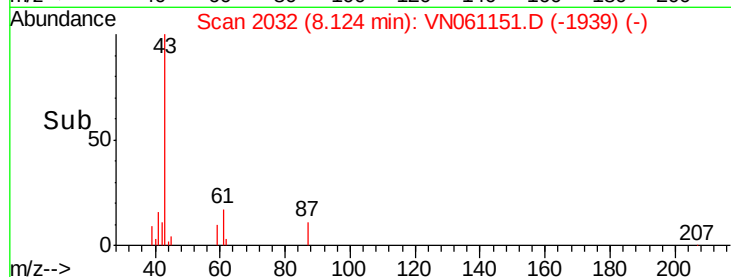


Abundance Ion 43.00 (42.70 to 43.70): VN061151.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061151.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061151.D (-2014) (-)

Time-->



#44

Trichloroethene

Concen: 4.903 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061151.D

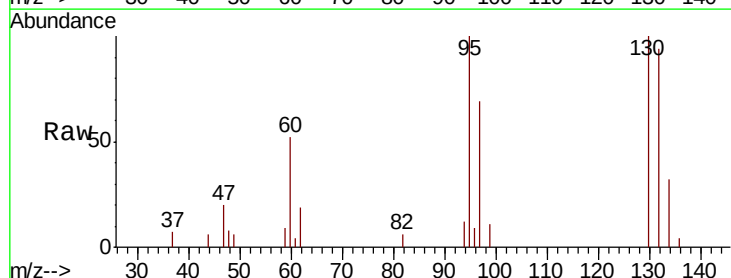
Acq: 27 Apr 2020 16:26

Tgt Ion: 130 Resp: 7685

Ion Ratio Lower Upper

130 100

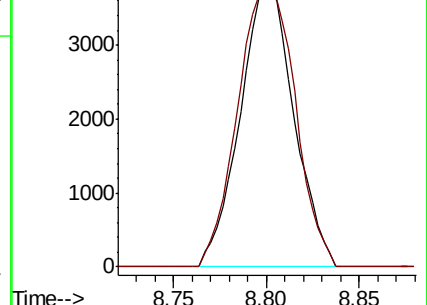
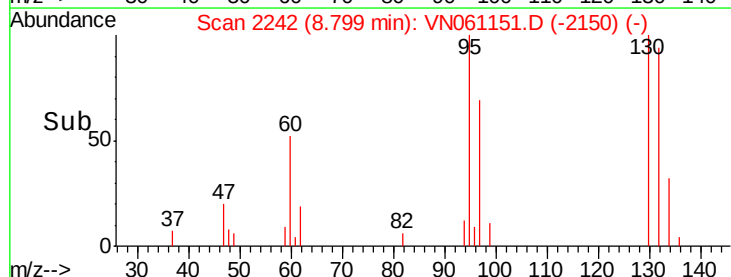
95 99.9 0.0 212.4

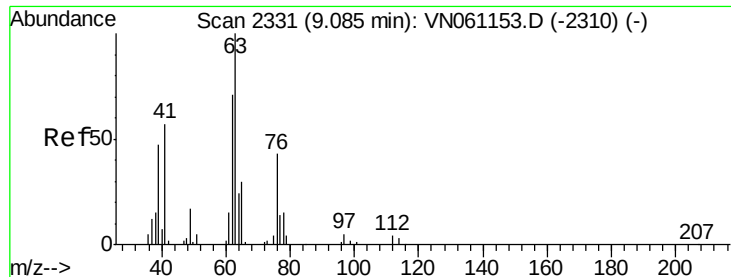


Abundance Ion 129.80 (129.50 to 130.50): VN061151.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061151.D (-2227) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 5.195 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

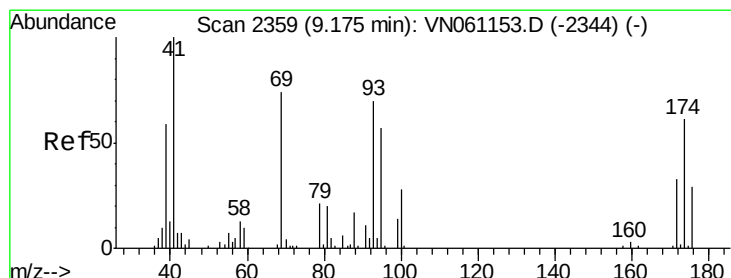
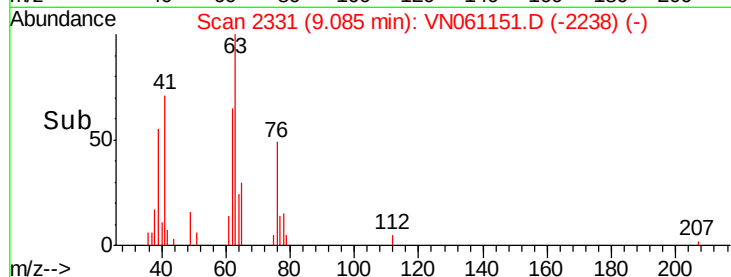
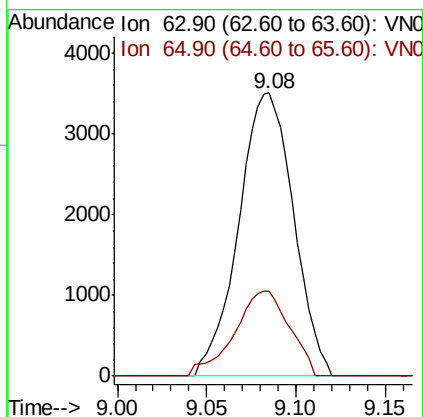
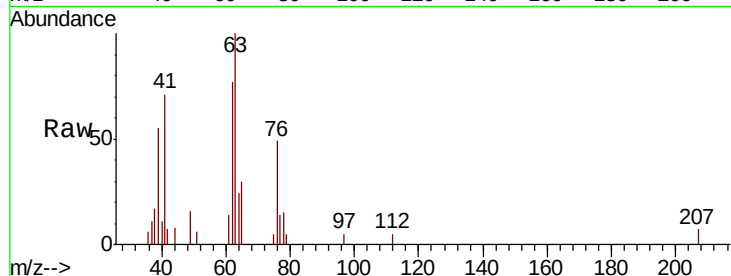
ClientSampleId :

Tot Ion: 63 Resp: 7529

Ion Ratio Lower Upper

63 100

65 30.1 24.7 37.1



#46

Dibromomethane

Concen: 4.986 ug/l

RT: 9.18 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

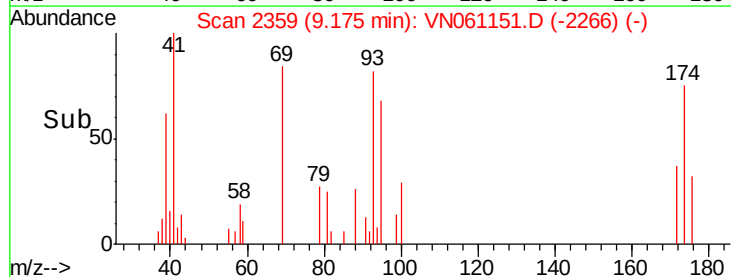
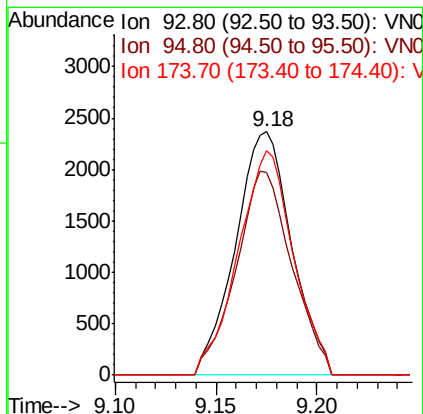
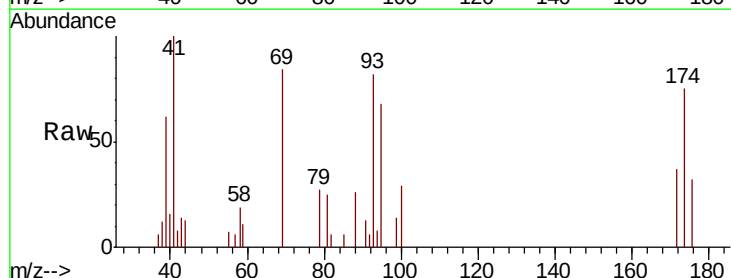
Tgt Ion: 93 Resp: 4605

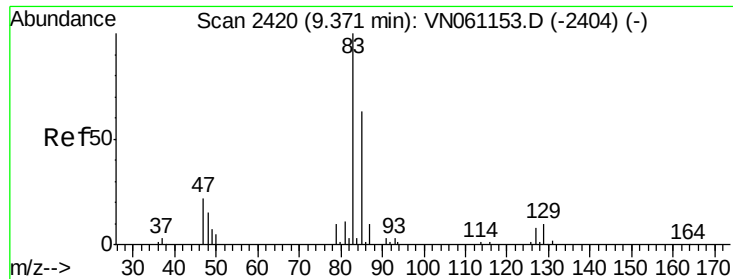
Ion Ratio Lower Upper

93 100

95 82.9 66.6 99.8

174 90.3 70.2 105.2





#47

Bromodichloromethane

Concen: 5.398 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

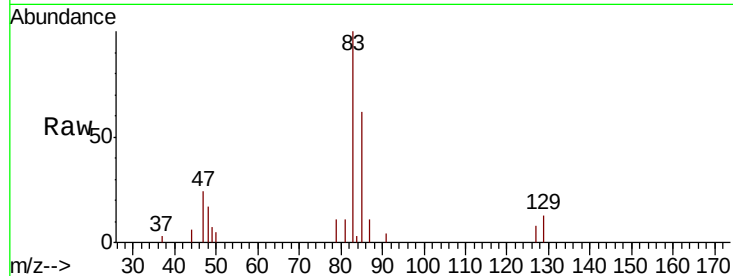
Tot Ion: 83 Resp: 9914

Ion Ratio Lower Upper

83 100

85 61.5 50.4 75.6

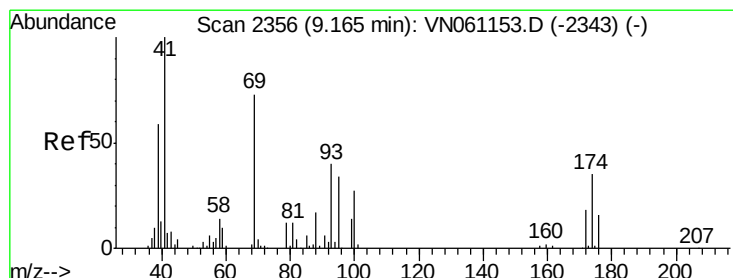
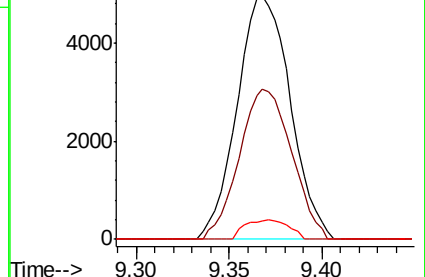
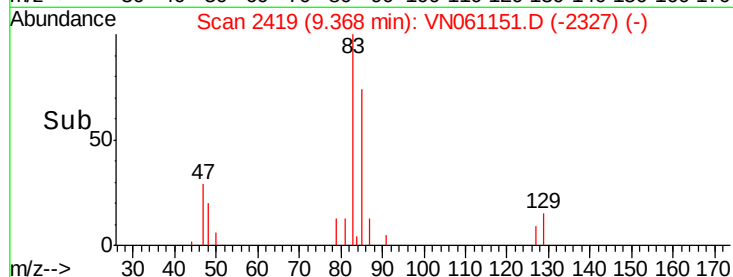
127 7.6 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN061151.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN061151.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN061151.D (-2404) (-)



#48

Methyl methacrylate

Concen: 5.251 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

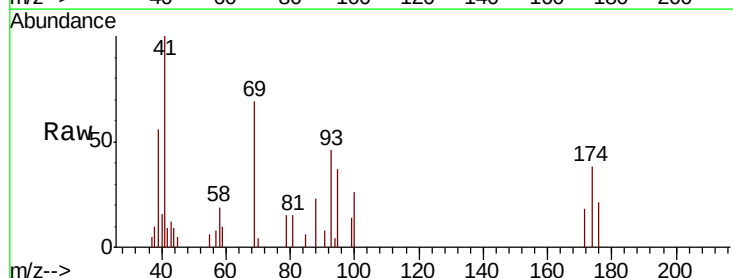
Tgt Ion: 41 Resp: 7896

Ion Ratio Lower Upper

41 100

69 69.9 60.3 90.5

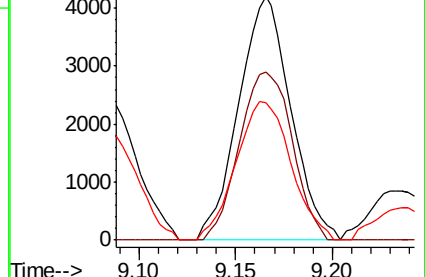
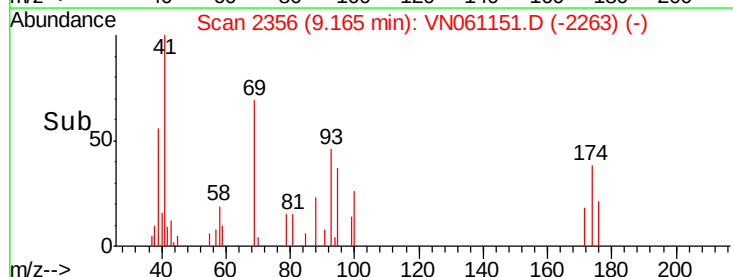
39 59.9 47.4 71.0

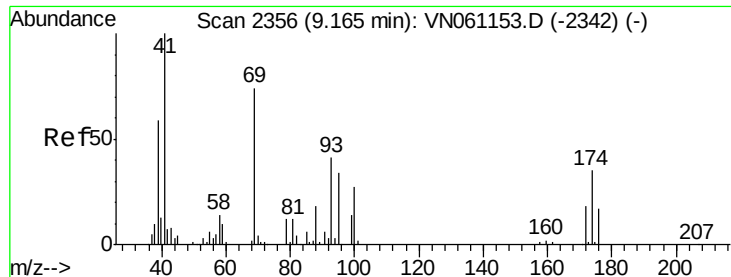


Abundance Ion 41.00 (40.70 to 41.70): VN061151.D (-2343) (-)

Ion 69.00 (68.70 to 69.70): VN061151.D (-2343) (-)

Ion 39.00 (38.70 to 39.70): VN061151.D (-2343) (-)



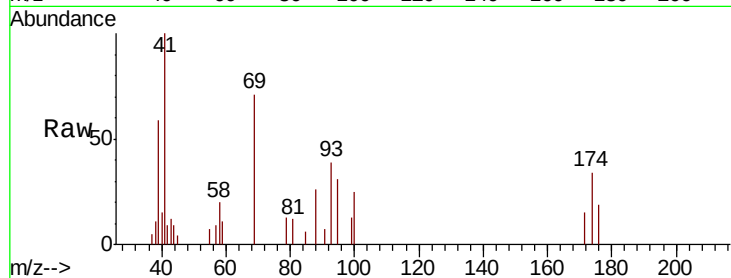


#49
 1,4-Dioxane
 Concen: 87.222 ug/l
 RT: 9.16 min Scan# 2355
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

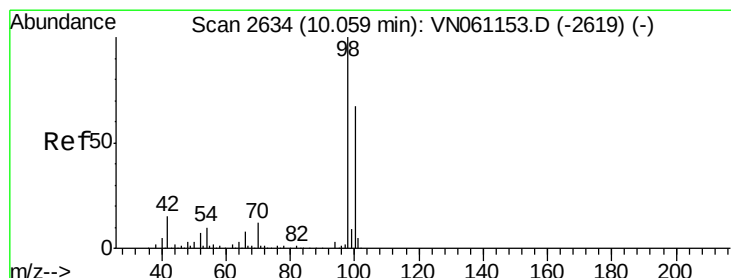
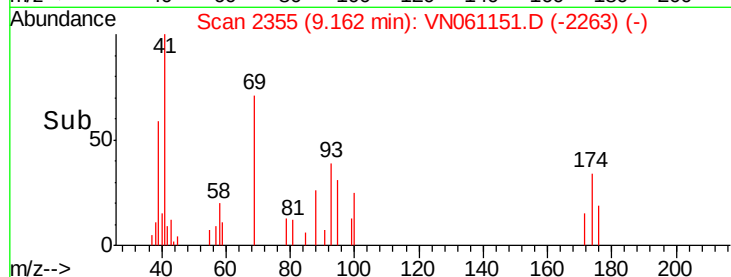
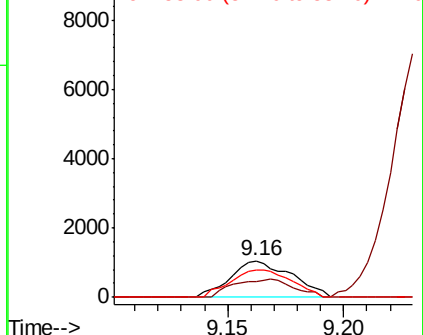
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 1919

Ion	Ratio	Lower	Upper
88	100		
43	49.6	35.3	52.9
58	75.5	61.5	92.3



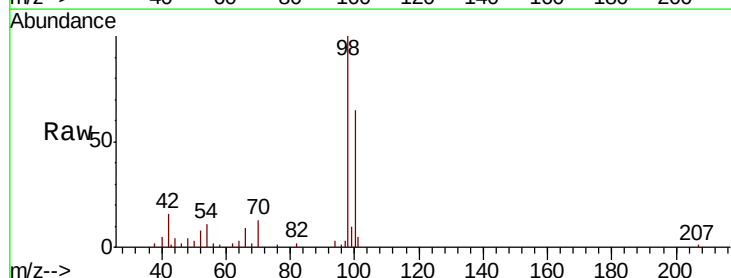
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0



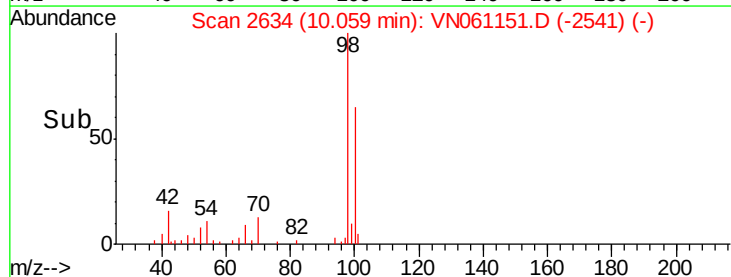
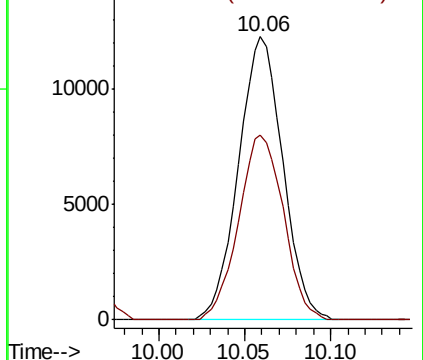
#50
 Toluene-d8
 Concen: 4.795 ug/l
 RT: 10.06 min Scan# 2634
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

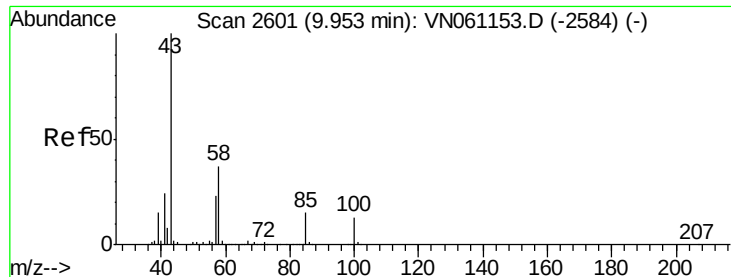
Tgt Ion: 98 Resp: 21960

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.4	80.0



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: 27.474 ug/l

RT: 9.95 min Scan# 2601

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

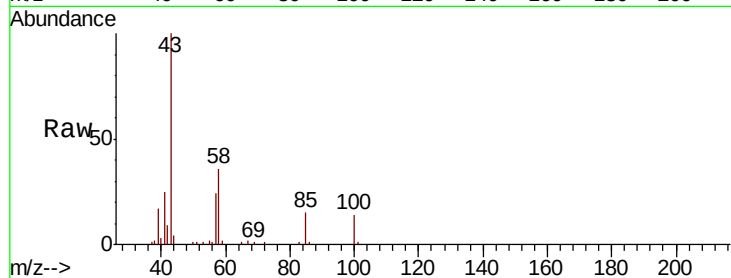
ClientSampled :

Tot Ion: 43 Resp: 51628

Ion Ratio Lower Upper

43 100

58 35.9 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VN061151.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061151.D (-2584) (-)

9.95

30000

25000

20000

15000

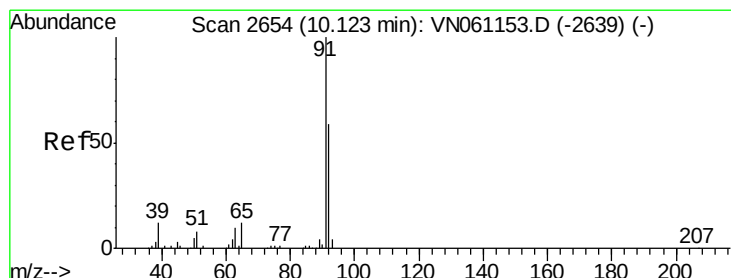
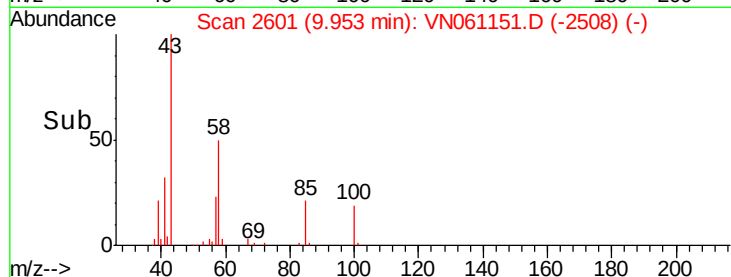
10000

5000

0

Time-->

9.90 10.00



#52

Toluene

Concen: 4.668 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061151.D

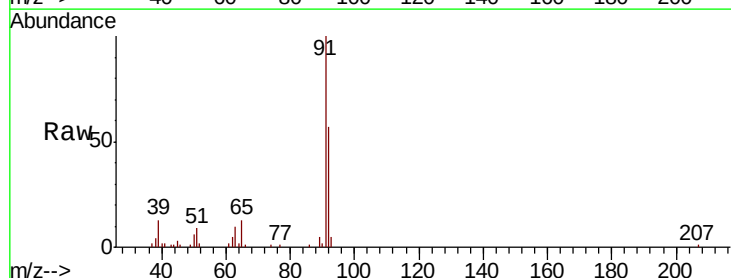
Acq: 27 Apr 2020 16:26

Tgt Ion: 92 Resp: 15903

Ion Ratio Lower Upper

92 100

91 175.2 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VN061151.D (-2639) (-)

Ion 91.00 (90.70 to 91.70): VN061151.D (-2639) (-)

10.12

15000

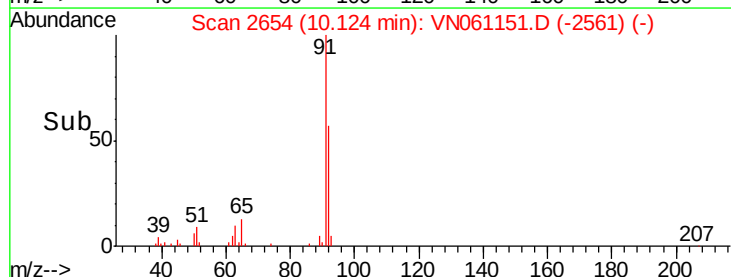
10000

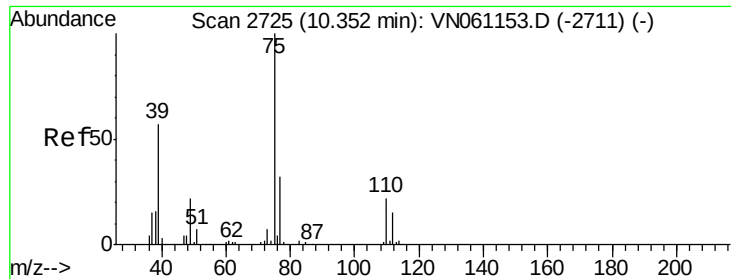
5000

0

Time-->

10.05 10.10 10.15





#53

t-1,3-Dichloropropene

Concen: 4.706 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

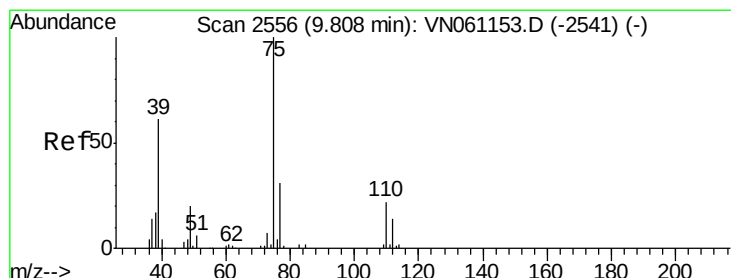
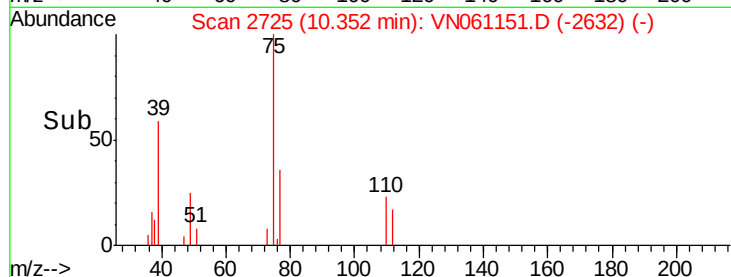
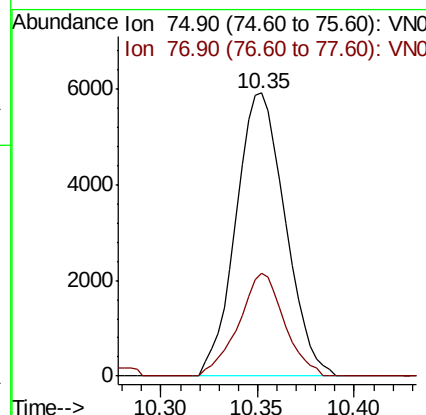
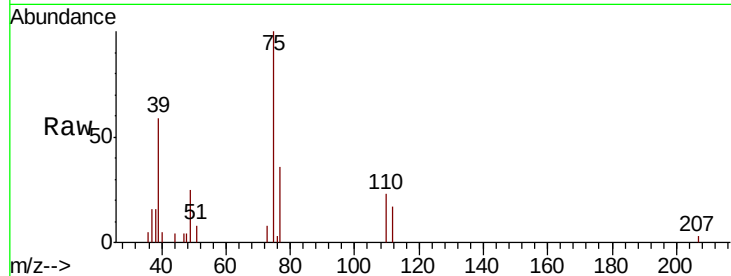
ClientSampled :

Tot Ion: 75 Resp: 10489

Ion Ratio Lower Upper

75 100

77 36.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 4.936 ug/l

RT: 9.81 min Scan# 2556

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

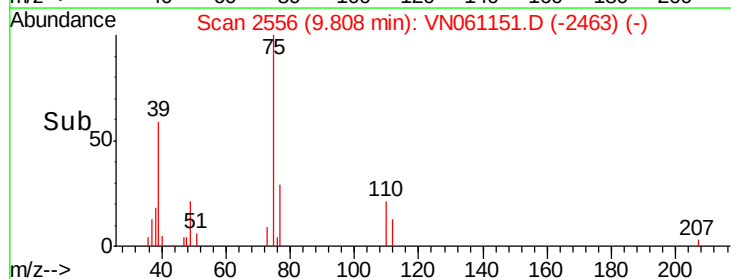
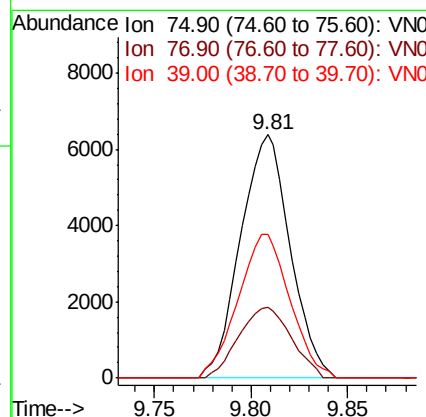
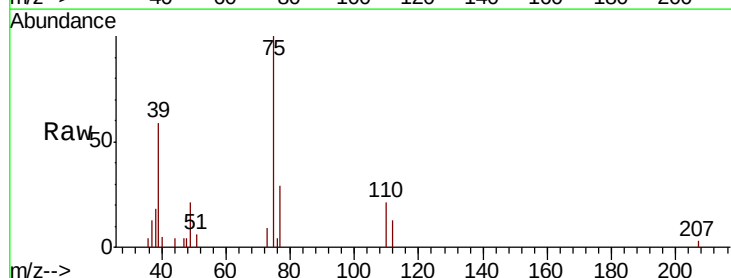
Tgt Ion: 75 Resp: 11413

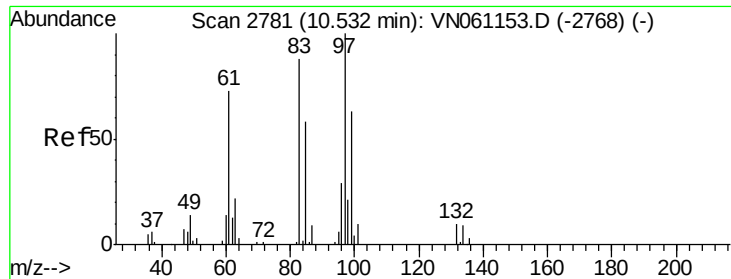
Ion Ratio Lower Upper

75 100

77 29.2 25.0 37.4

39 59.2 48.7 73.1

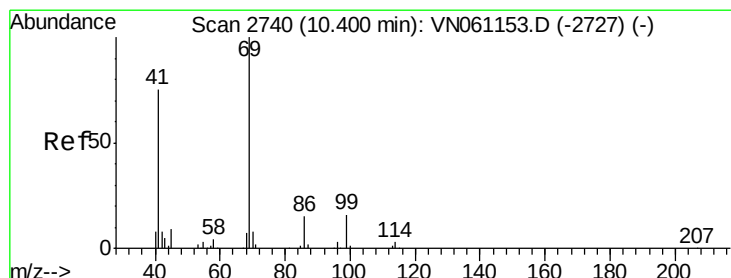
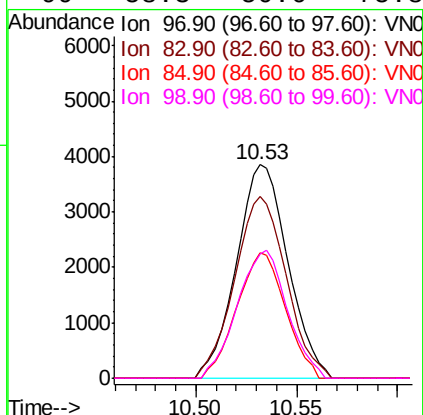
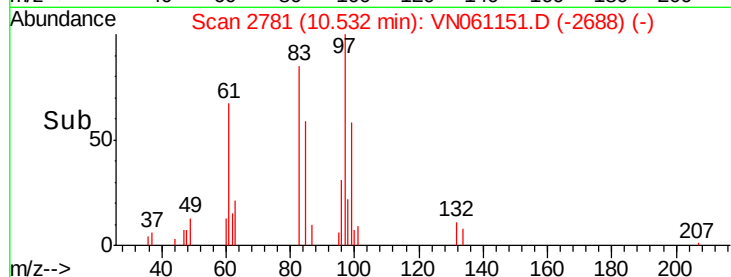
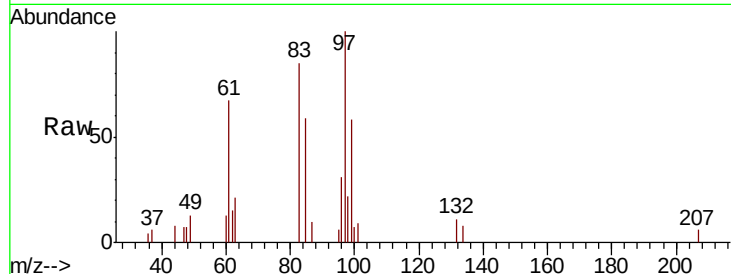




#55
 1,1,2-Trichloroethane
 Concen: 5.229 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

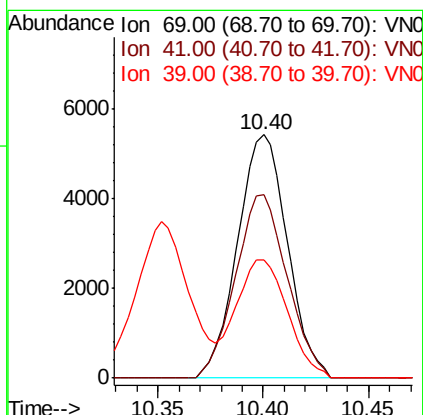
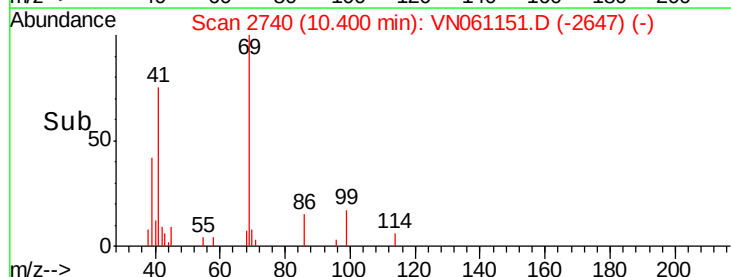
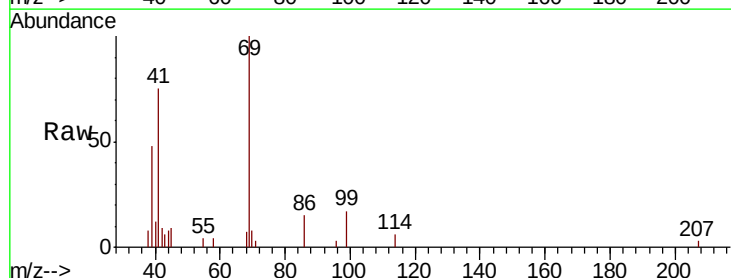
Instrument :
 MSVOA_N
 ClientSampleId :

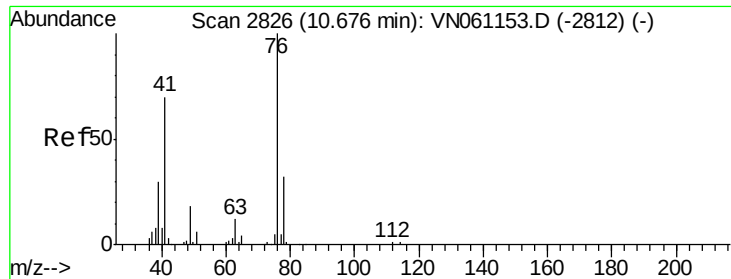
Tot Ion:	97	Resp:	6869
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.6	106.0
85	58.7	46.4	69.6
99	58.3	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 4.434 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion:	69	Resp:	8921
Ion	Ratio	Lower	Upper
69	100		
41	78.3	60.3	90.5
39	50.2	35.9	53.9

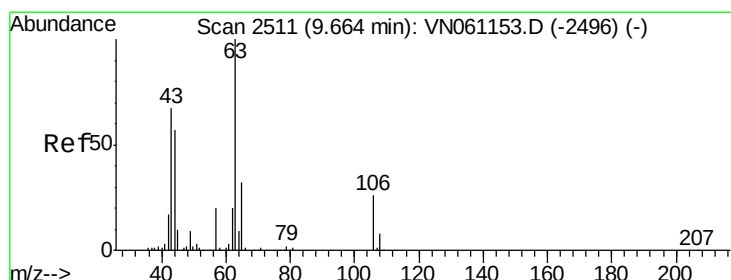
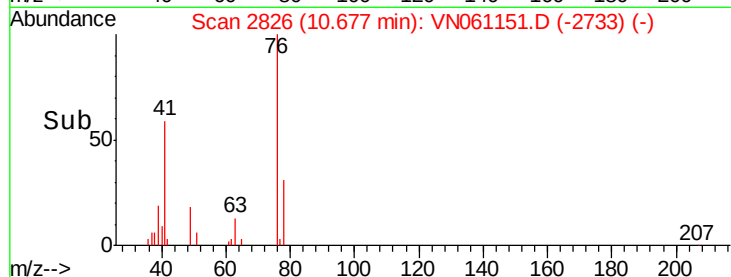
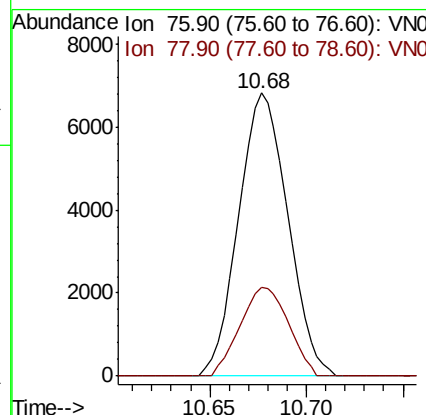
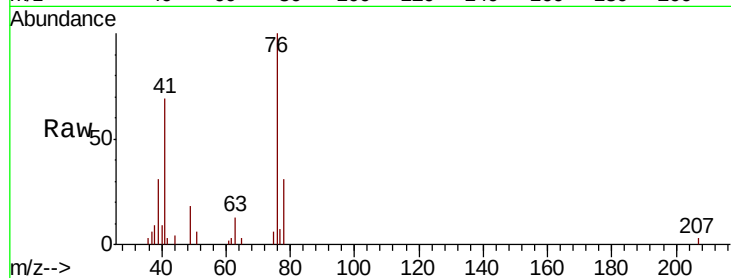




#57
 1,3-Dichloropropane
 Concen: 5.359 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

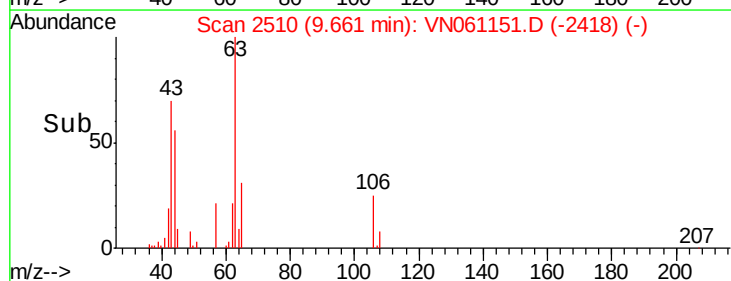
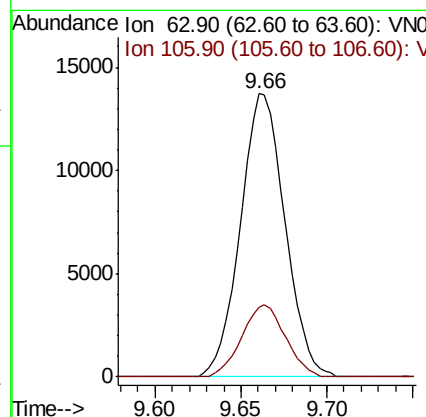
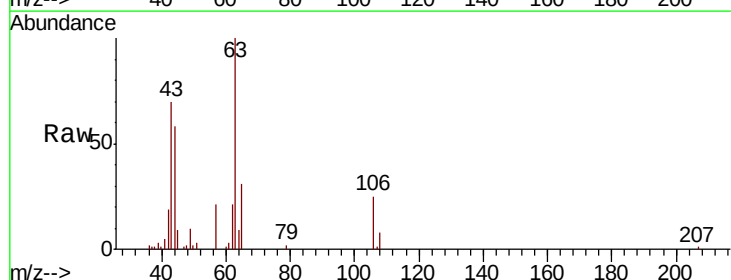
Instrument :
 MSVOA_N
 ClientSampleId :

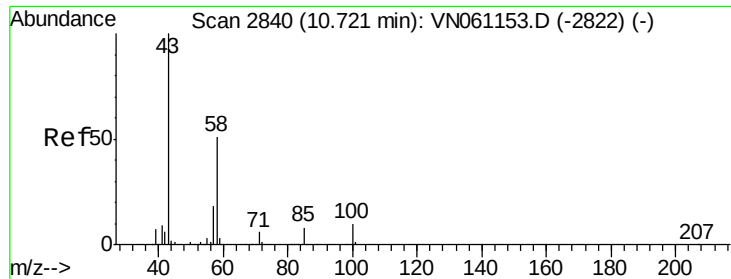
Tot Ion: 76 Resp: 12080
 Ion Ratio Lower Upper
 76 100
 78 30.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.785 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion: 63 Resp: 24684
 Ion Ratio Lower Upper
 63 100
 106 24.9 20.6 30.8

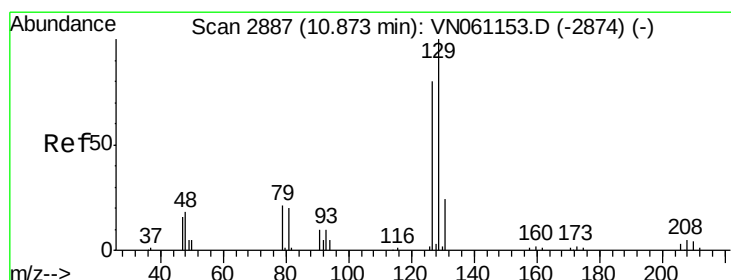
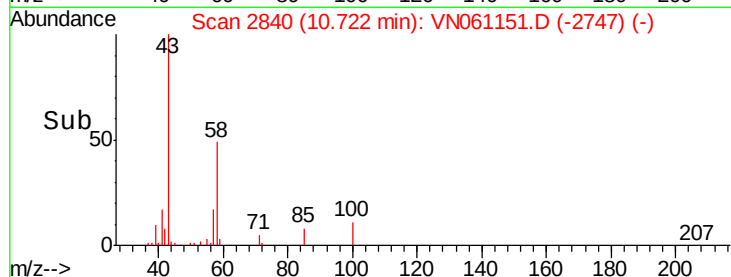
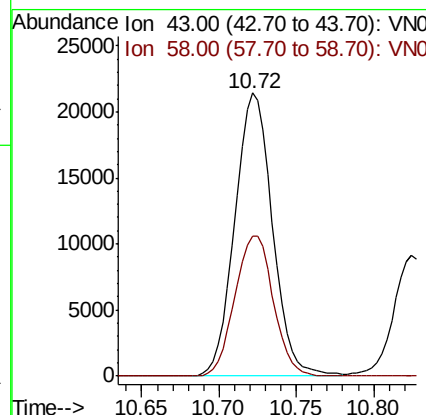
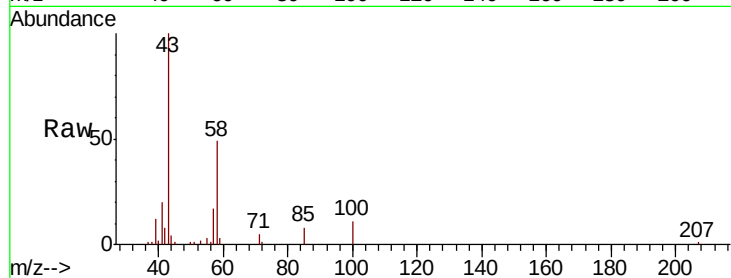




#59
2-Hexanone
Concen: 26.051 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

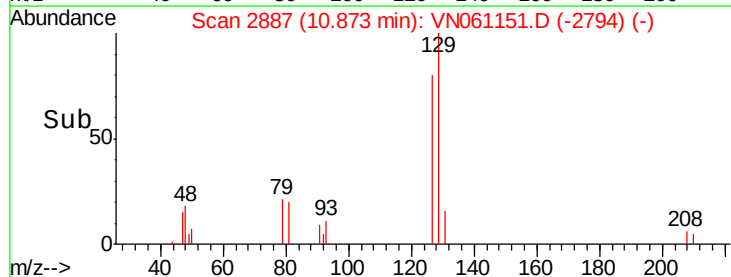
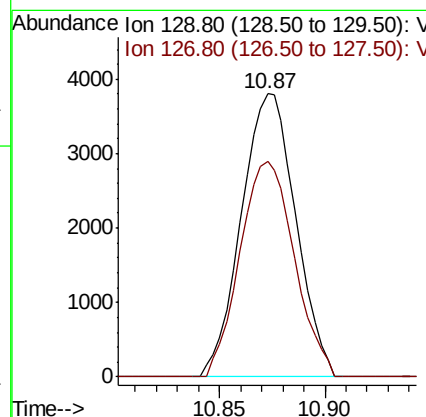
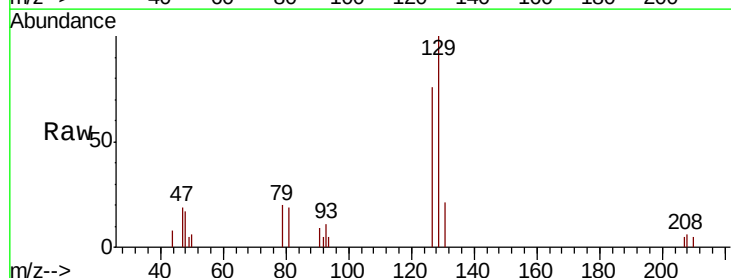
Instrument :
MSVOA_N
ClientSampled :

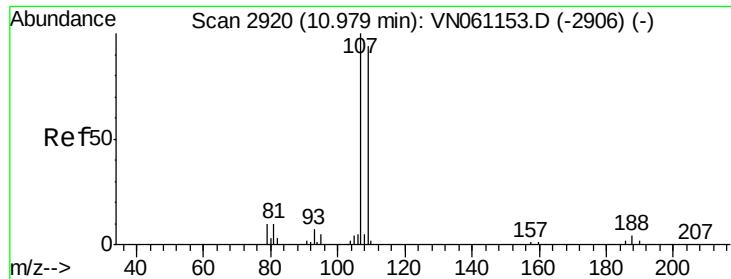
Tot Ion: 43 Resp: 36124
Ion Ratio Lower Upper
43 100
58 50.6 25.4 76.4



#60
Dibromochloromethane
Concen: 4.974 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion: 129 Resp: 6830
Ion Ratio Lower Upper
129 100
127 76.0 39.3 117.8

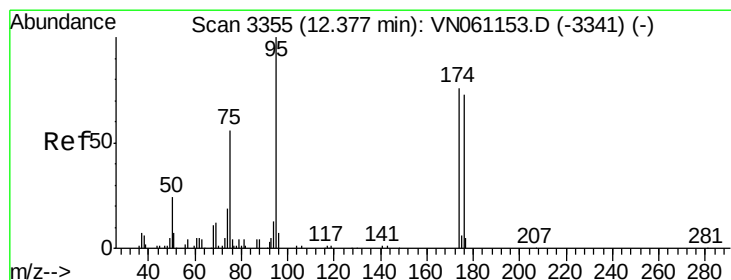
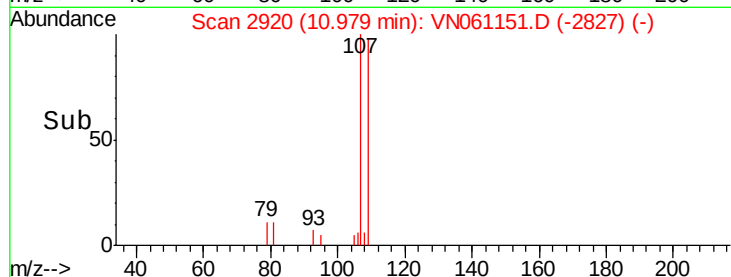
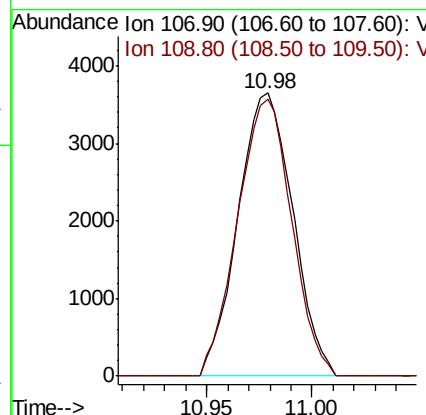
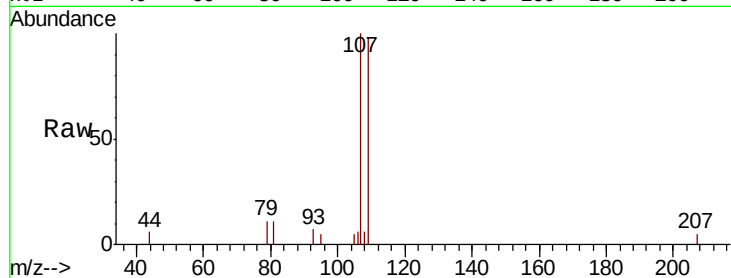




#61
 1,2-Dibromoethane
 Concen: 4.876 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

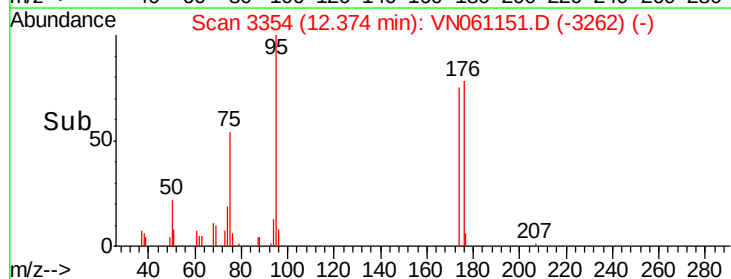
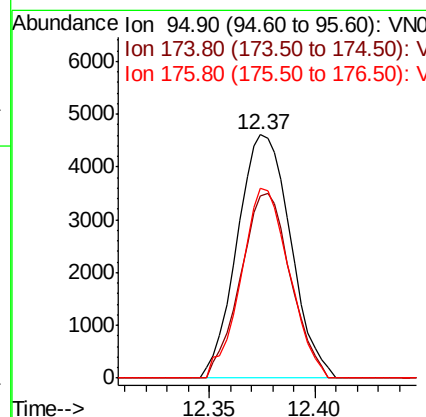
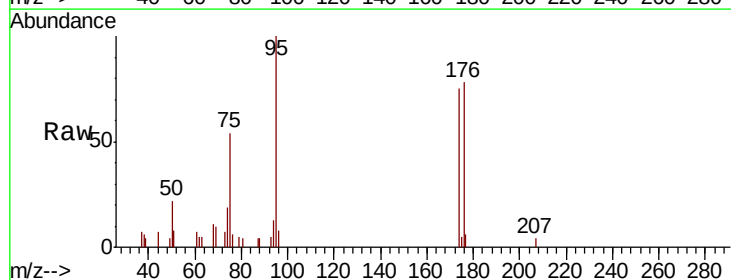
Instrument :
 MSVOA_N
 ClientSampled :

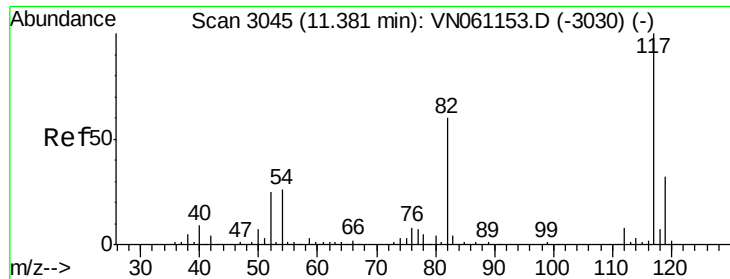
Tot Ion:107 Resp: 6588
 Ion Ratio Lower Upper
 107 100
 109 96.5 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 4.710 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion: 95 Resp: 8083
 Ion Ratio Lower Upper
 95 100
 174 71.1 0.0 149.4
 176 70.4 0.0 144.8

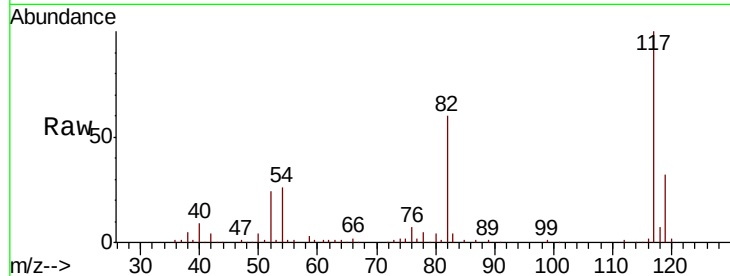




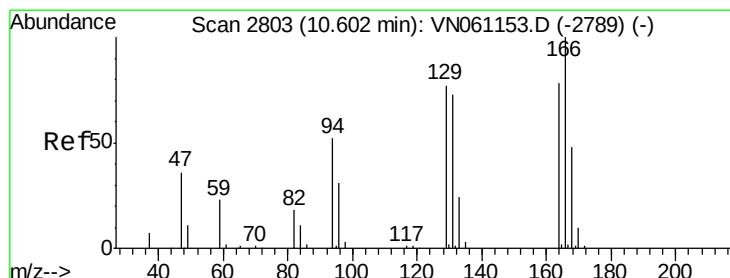
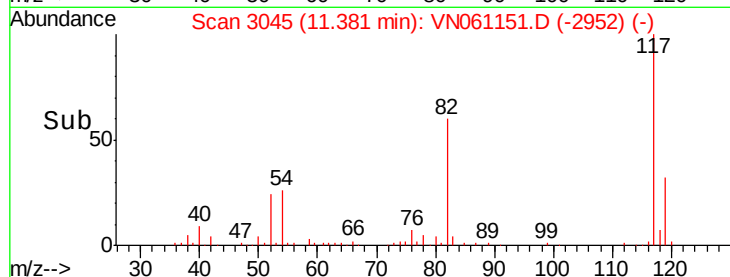
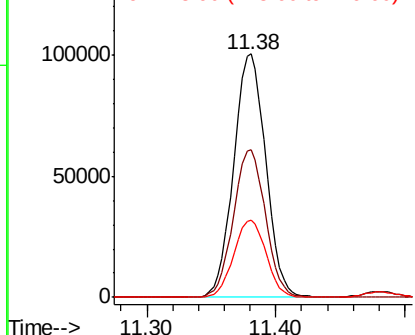
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 174127
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 31.6 25.8 38.6

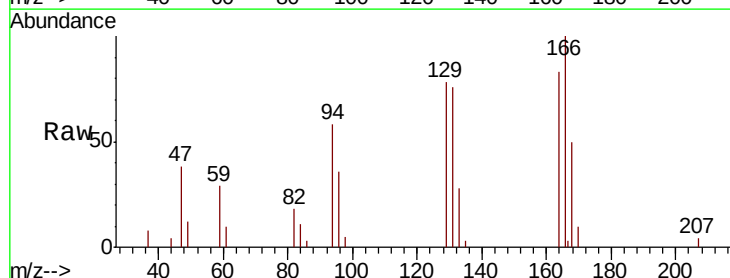


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

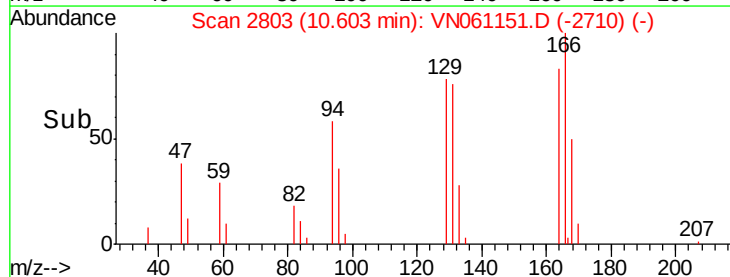
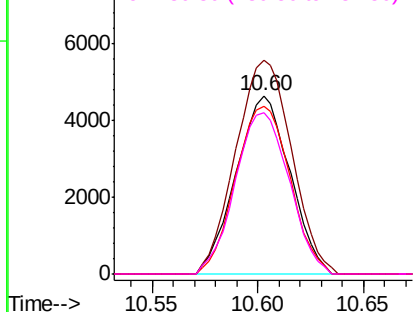


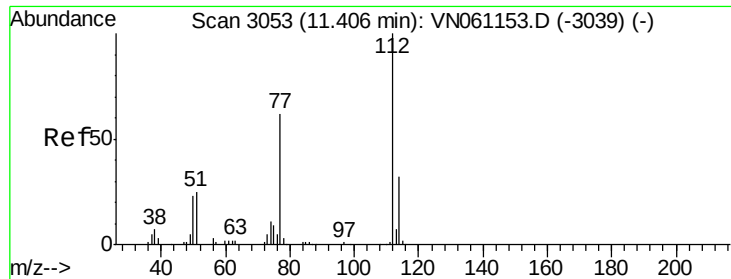
#64
Tetrachloroethene
Concen: 4.724 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion:164 Resp: 8201
Ion Ratio Lower Upper
164 100
166 120.0 102.0 153.0
129 94.0 78.2 117.2
131 90.7 74.5 111.7



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

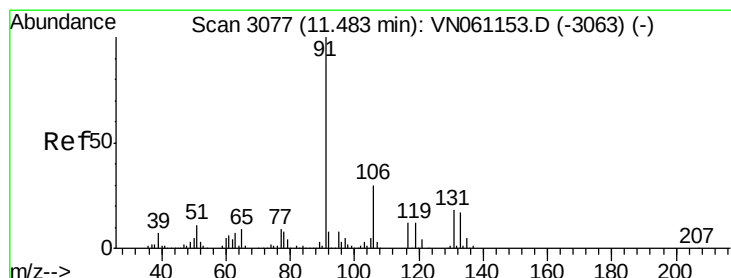
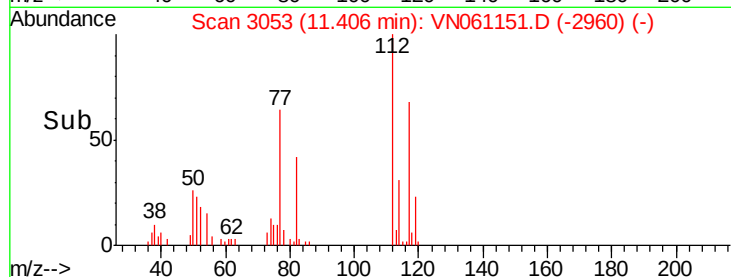
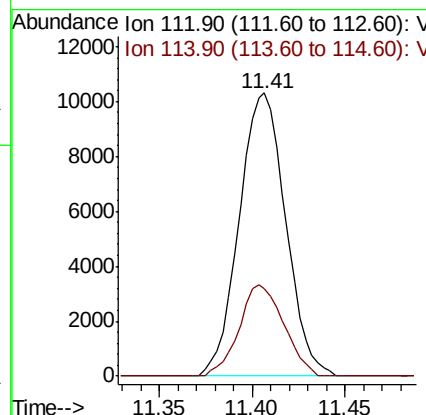
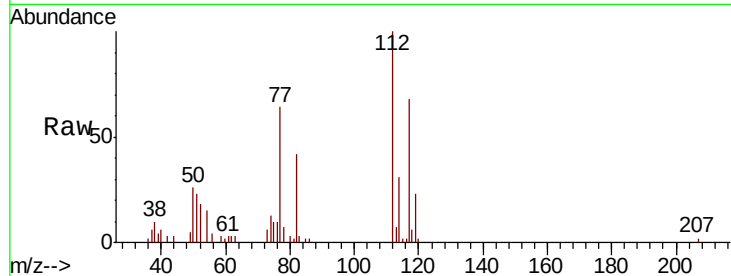




#65
Chlorobenzene
Concen: 5.109 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

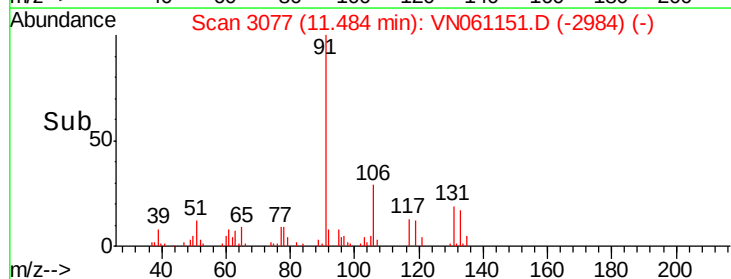
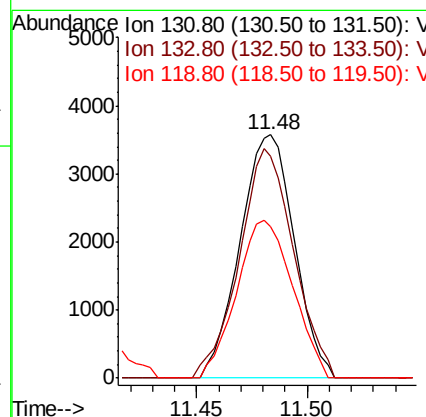
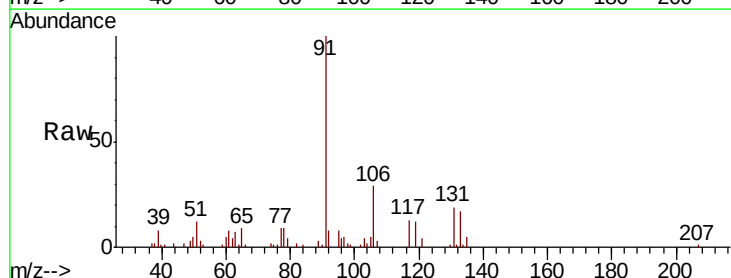
Instrument :
MSVOA_N
ClientSampleId :

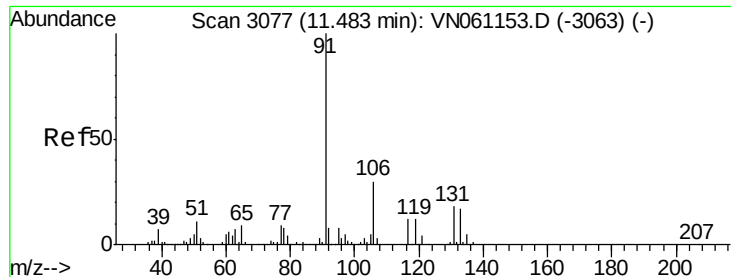
Tot Ion:112 Resp: 17943
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 4.902 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion:131 Resp: 6105
Ion Ratio Lower Upper
131 100
133 94.2 48.0 144.2
119 66.8 32.6 97.8





#67

Ethyl Benzene

Concen: 4.818 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

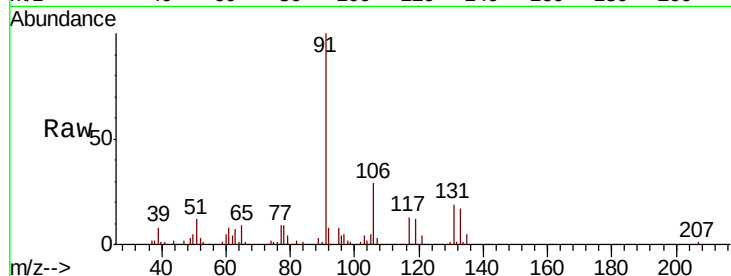
ClientSampled :

Tot Ion: 91 Resp: 31636

Ion Ratio Lower Upper

91 100

106 28.8 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN061151.D (-3063) (-)

Ion 106.00 (105.70 to 106.70): VN061151.D (-3063) (-)

11.48

20000

15000

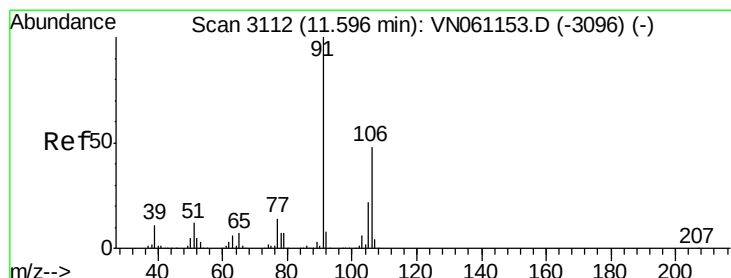
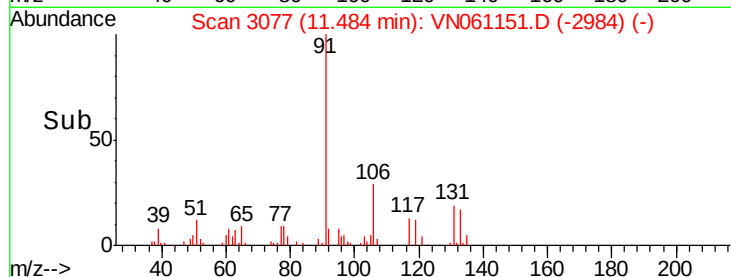
10000

5000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 9.350 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061151.D

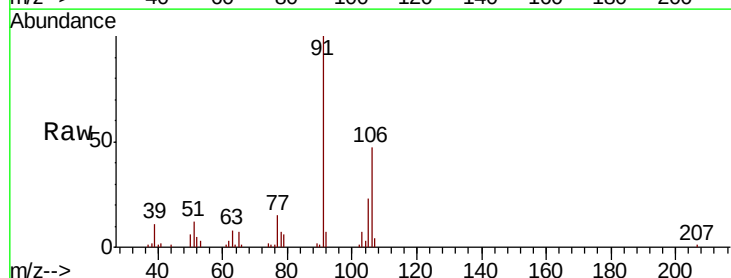
Acq: 27 Apr 2020 16:26

Tgt Ion: 106 Resp: 22859

Ion Ratio Lower Upper

106 100

91 207.8 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061151.D (-3096) (-)

Ion 91.00 (90.70 to 91.70): VN061151.D (-3096) (-)

11.60

30000

25000

20000

15000

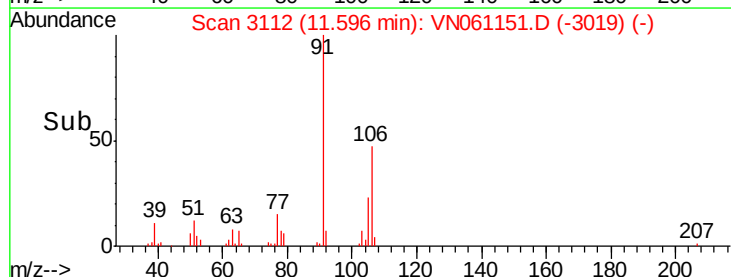
10000

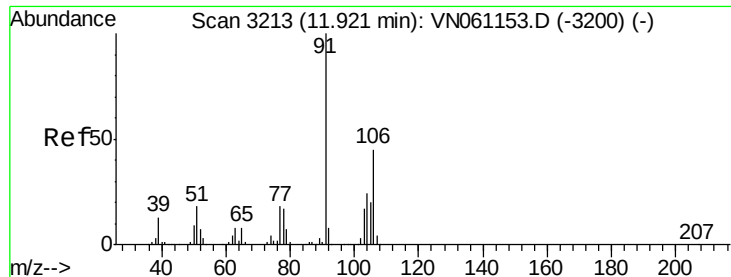
5000

0

11.55 11.60 11.65

Time-->

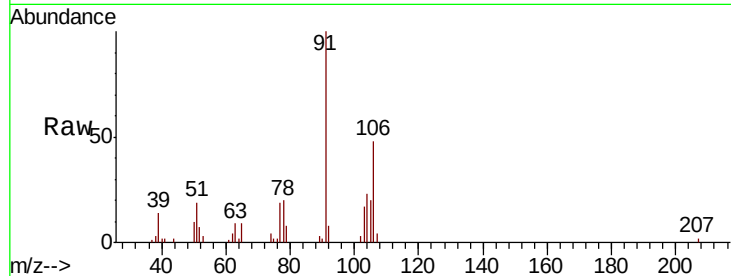




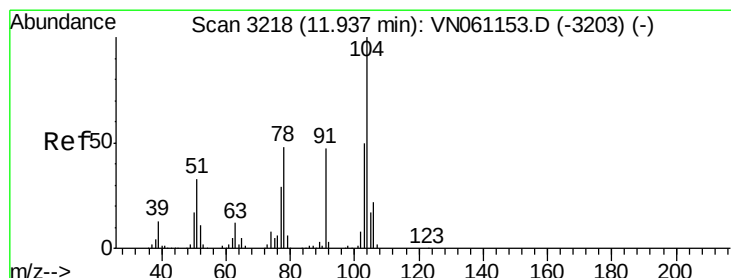
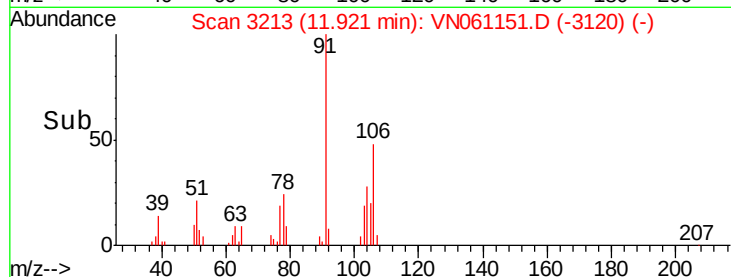
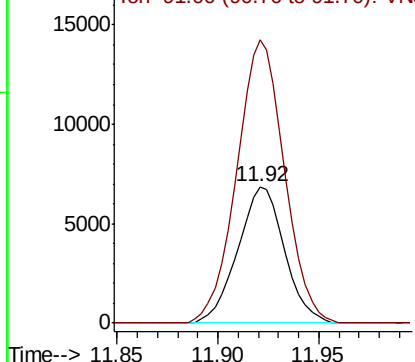
#69
o-Xylene
Concen: 4.706 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 11102
Ion Ratio Lower Upper
106 100
91 211.4 109.7 329.0

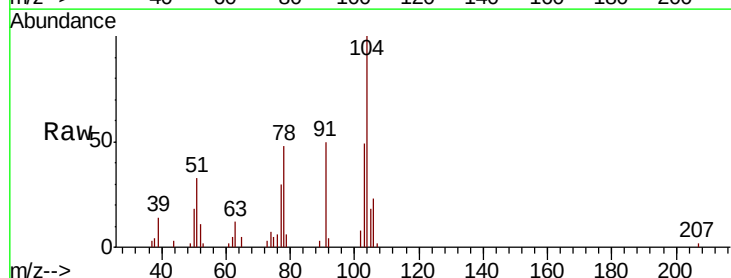


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

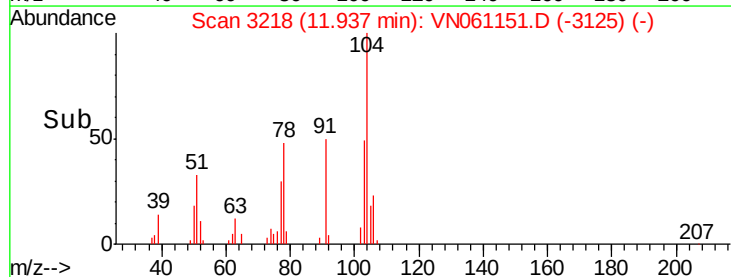
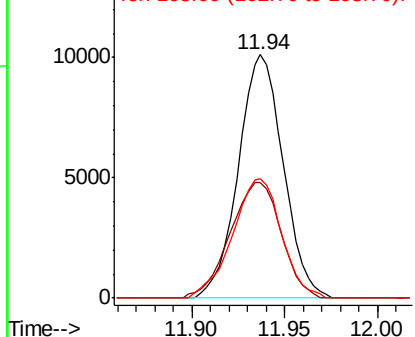


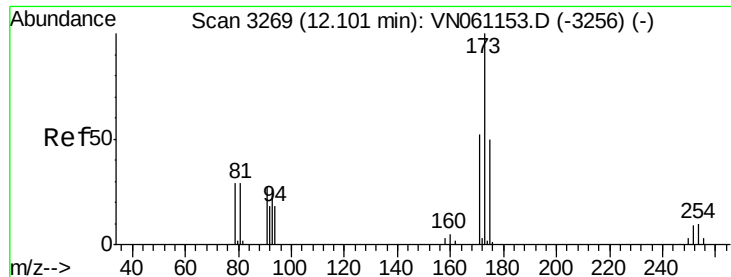
#70
Styrene
Concen: 4.426 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061151.D
Acq: 27 Apr 2020 16:26

Tgt Ion:104 Resp: 16971
Ion Ratio Lower Upper
104 100
78 54.1 42.1 63.1
103 53.2 43.3 64.9



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





#71

Bromoform

Concen: 4.458 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

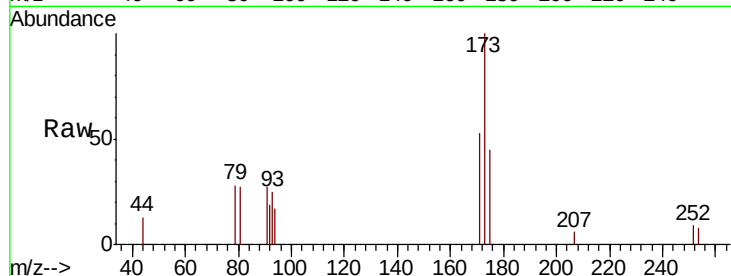
Tot Ion:173 Resp: 4164

Ion Ratio Lower Upper

173 100

175 47.0 24.1 72.4

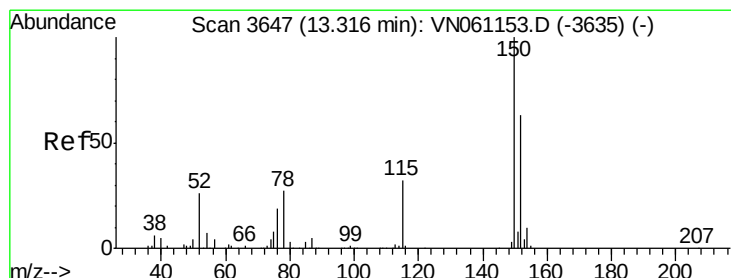
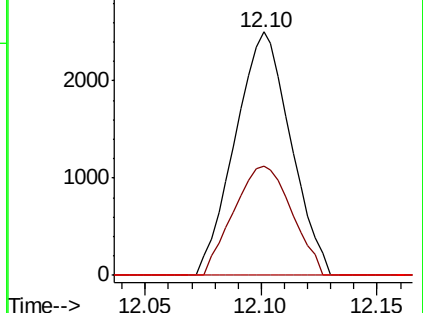
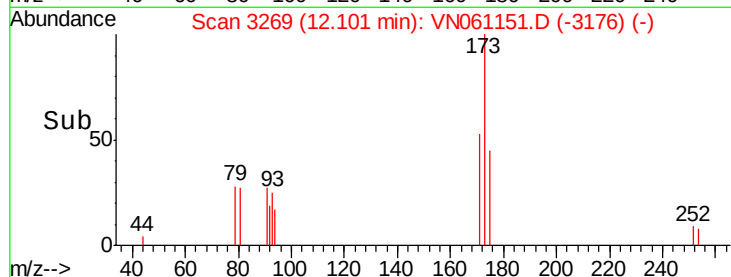
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

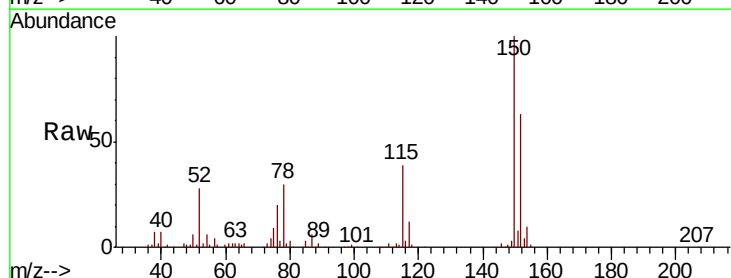
Tgt Ion:152 Resp: 80691

Ion Ratio Lower Upper

152 100

115 61.9 31.0 93.0

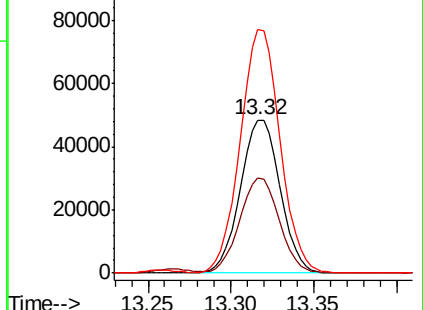
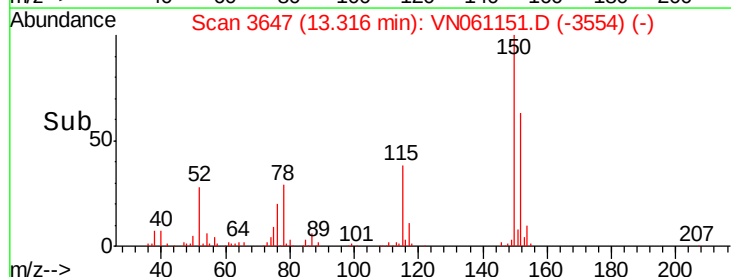
150 159.2 0.0 351.8

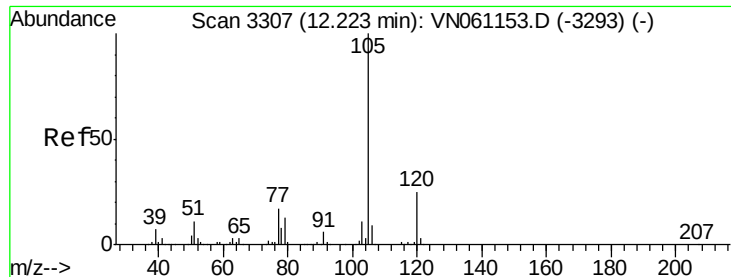


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.741 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

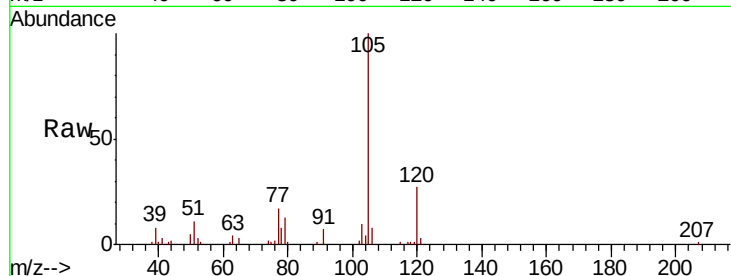
ClientSampleId :

Tot Ion:105 Resp: 28754

Ion Ratio Lower Upper

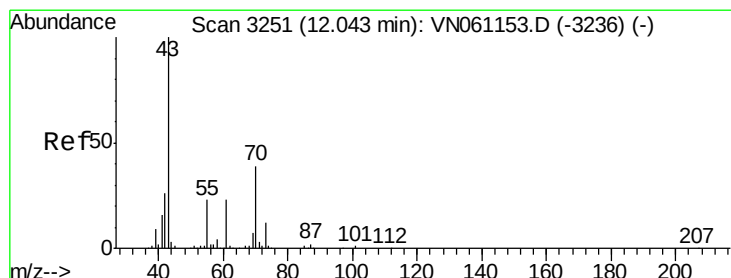
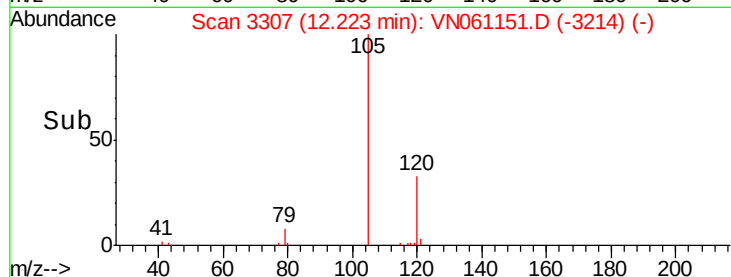
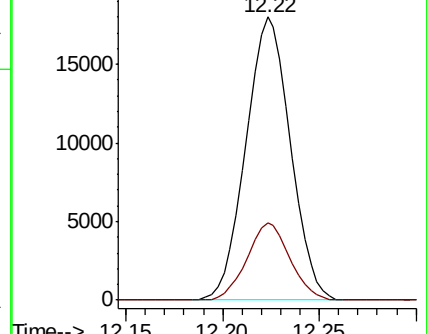
105 100

120 26.4 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.996 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Tgt Ion: 43 Resp: 13894

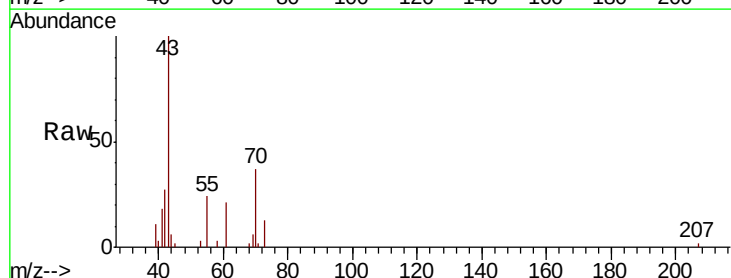
Ion Ratio Lower Upper

43 100

70 36.6 30.6 46.0

55 23.7 18.5 27.7

61 20.3 17.9 26.9

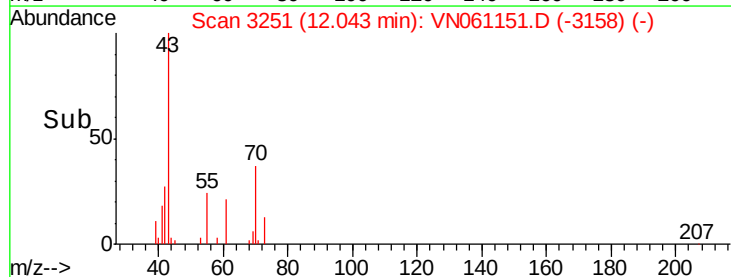
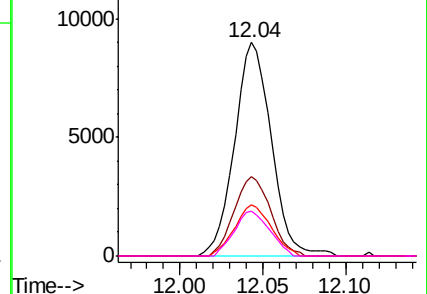


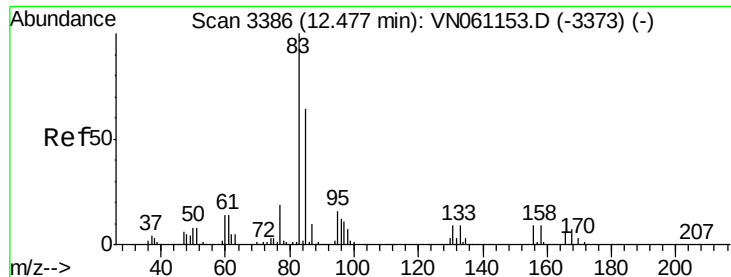
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.930 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

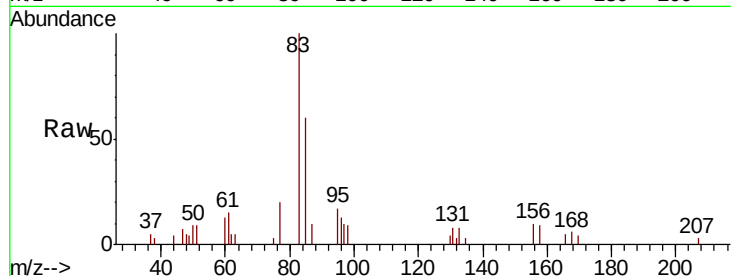
Tot Ion: 83 Resp: 9865

Ion Ratio Lower Upper

83 100

131 7.4 4.8 14.3

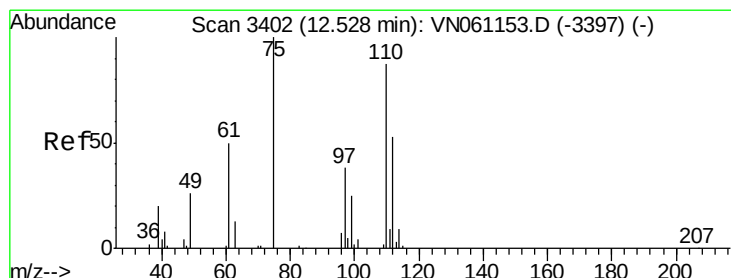
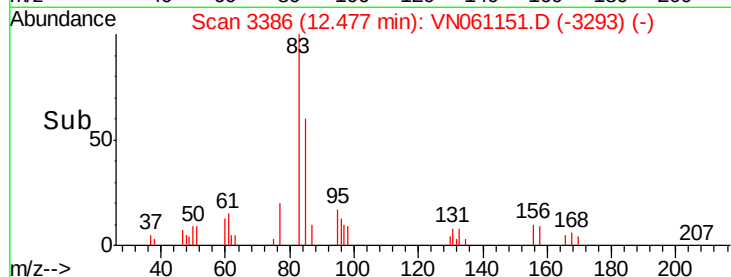
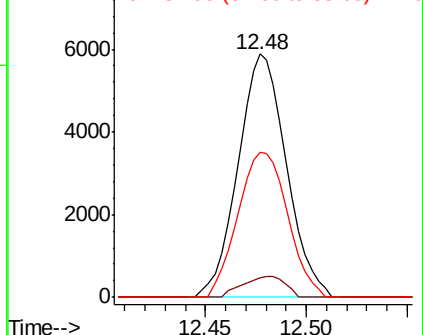
85 61.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN061151.D (-3293) (-)

Ion 130.80 (130.50 to 131.50): VN061151.D (-3293) (-)

Ion 84.90 (84.60 to 85.60): VN061151.D (-3293) (-)



#76

1,2,3-Trichloropropane

Concen: 7.245 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061151.D

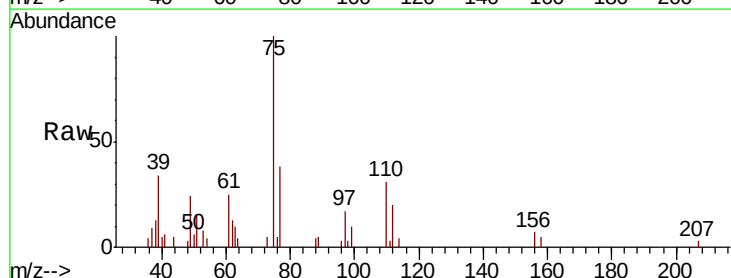
Acq: 27 Apr 2020 16:26

Tgt Ion: 75 Resp: 13231

Ion Ratio Lower Upper

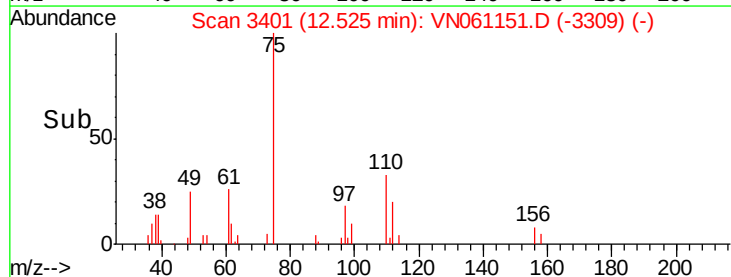
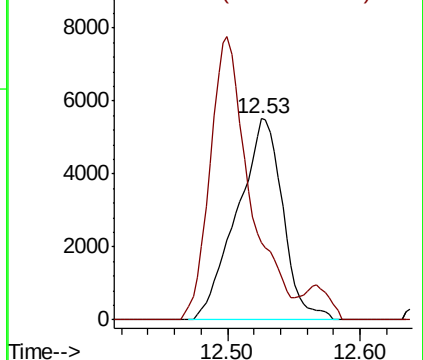
75 100

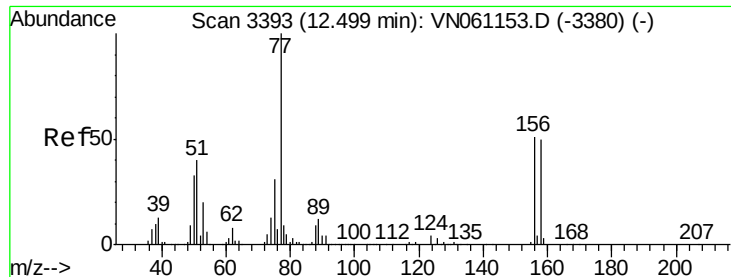
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061151.D (-3309) (-)

Ion 77.00 (76.70 to 77.70): VN061151.D (-3309) (-)





#77

Bromobenzene

Concen: 4.903 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampled :

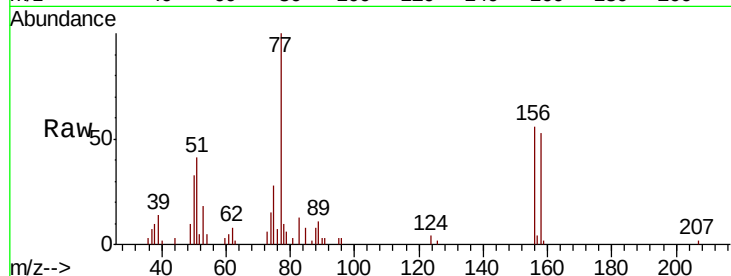
Tot Ion:156 Resp: 7175

Ion Ratio Lower Upper

156 100

77 225.7 117.4 352.2

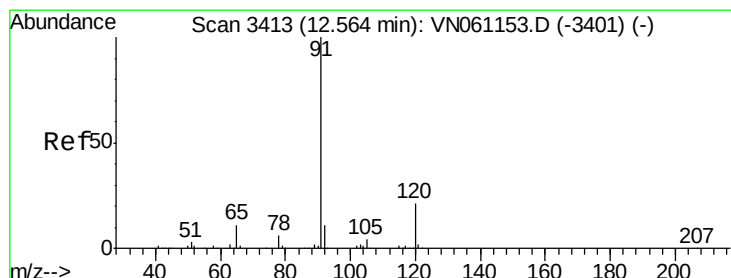
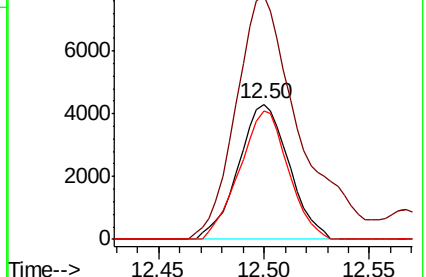
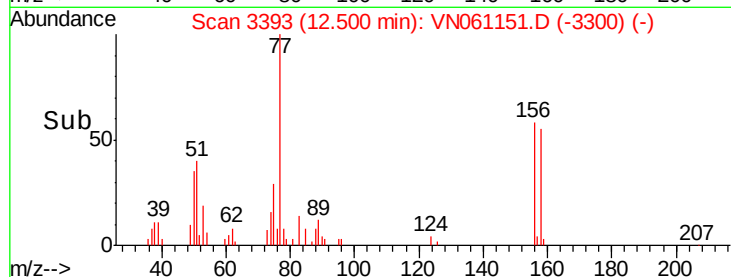
158 91.5 48.4 145.0



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: 4.749 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061151.D

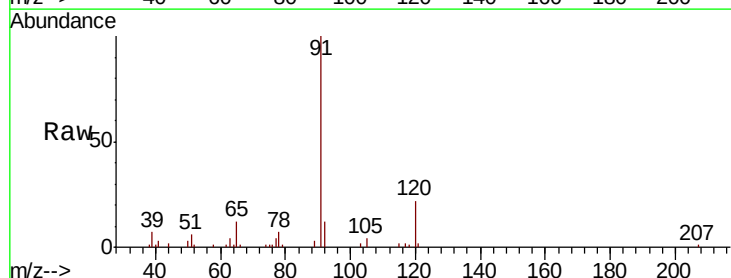
Acq: 27 Apr 2020 16:26

Tgt Ion: 91 Resp: 33864

Ion Ratio Lower Upper

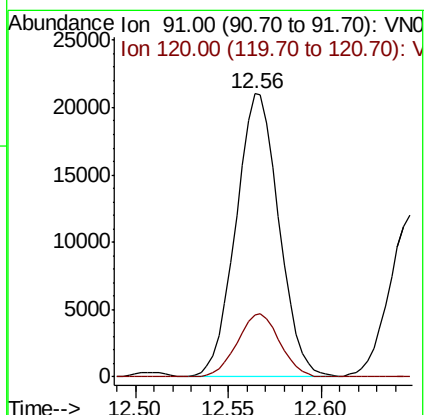
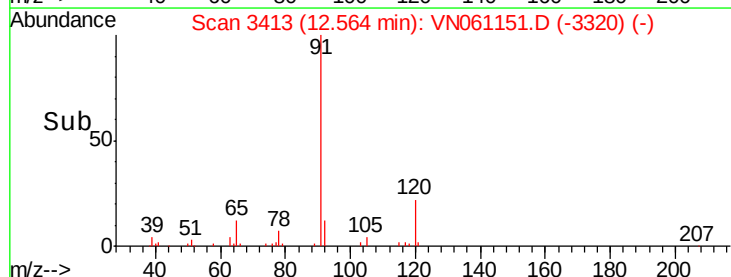
91 100

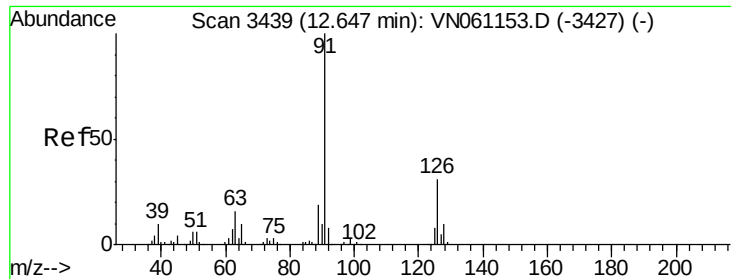
120 22.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.986 ug/l

RT: 12.65 min Scan# 3440

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

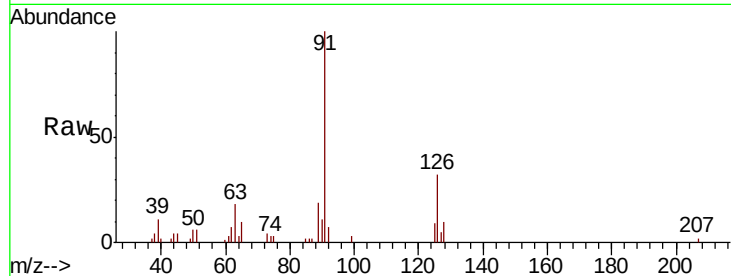
ClientSampleId :

Tot Ion: 91 Resp: 20659

Ion Ratio Lower Upper

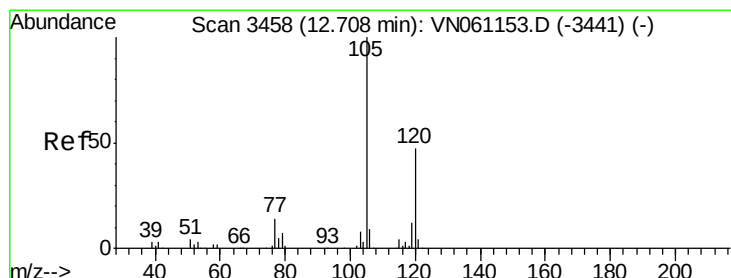
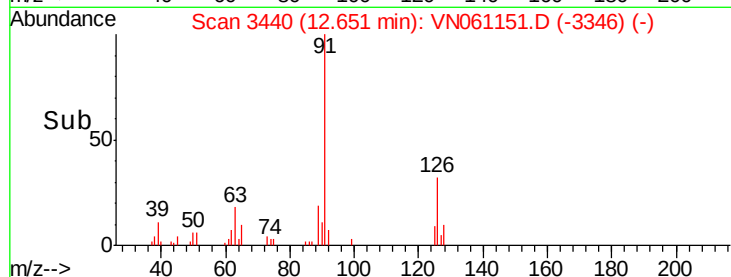
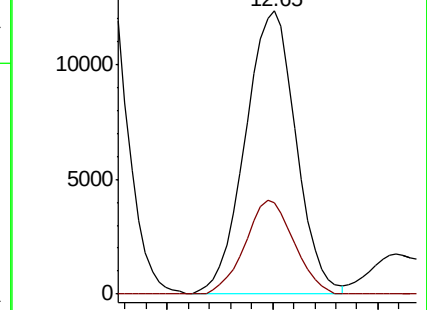
91 100

126 31.8 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN061151.D (-3440) (-)

Ion 125.90 (125.60 to 126.60): VN061151.D (-3440) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.626 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061151.D

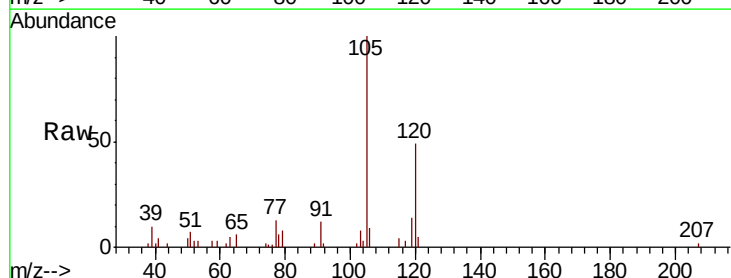
Acq: 27 Apr 2020 16:26

Tgt Ion:105 Resp: 23616

Ion Ratio Lower Upper

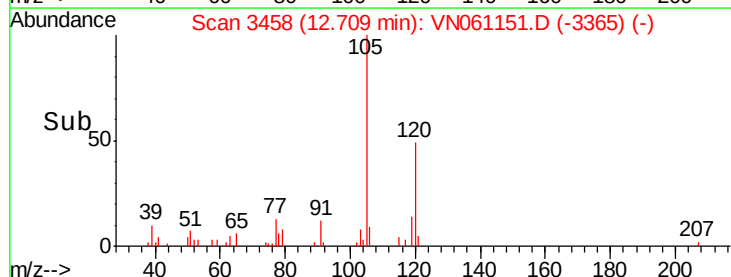
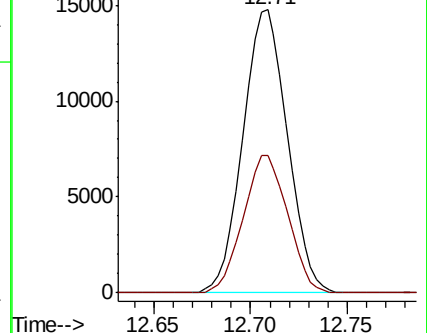
105 100

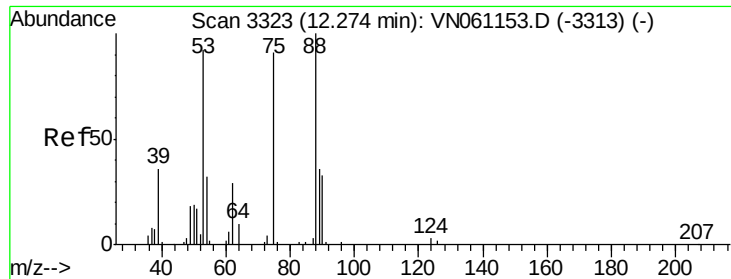
120 48.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061151.D (-3458) (-)

Ion 120.00 (119.70 to 120.70): VN061151.D (-3458) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.420 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampled :

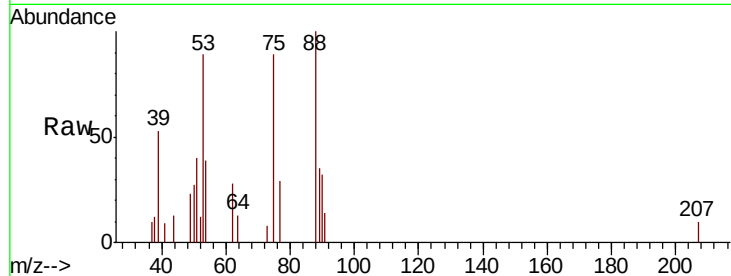
Tot Ion: 75 Resp: 3079

Ion Ratio Lower Upper

75 100

53 104.3 84.1 126.1

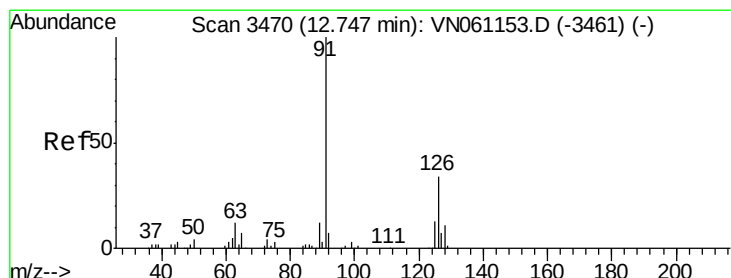
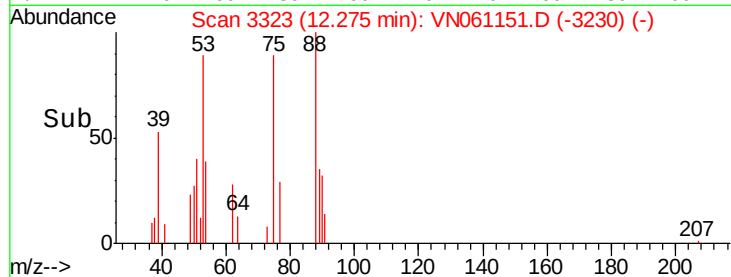
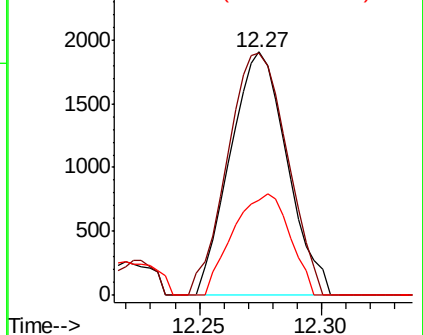
89 41.7 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VN061151.D (-3323) (-)

Ion 53.00 (52.70 to 53.70): VN061151.D (-3323) (-)

Ion 88.90 (88.60 to 89.60): VN061151.D (-3323) (-)



#82

4-Chlorotoluene

Concen: 4.807 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061151.D

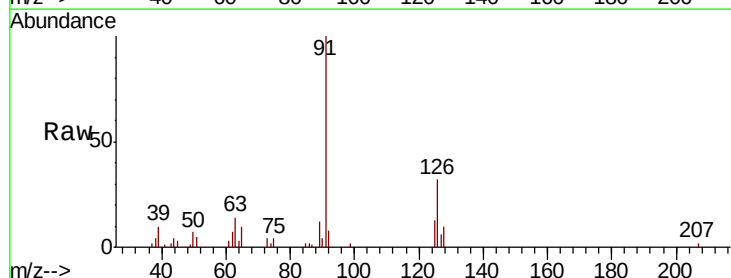
Acq: 27 Apr 2020 16:26

Tgt Ion: 91 Resp: 21164

Ion Ratio Lower Upper

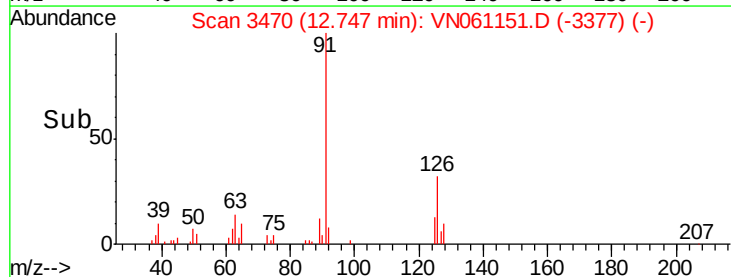
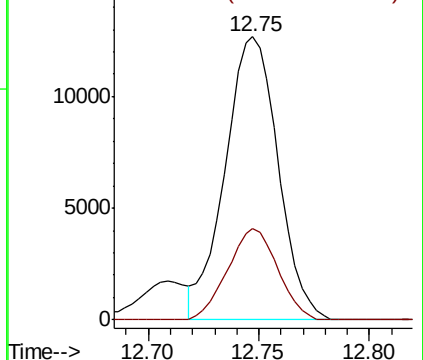
91 100

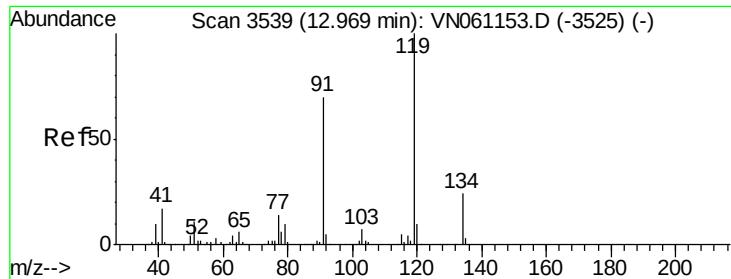
126 30.4 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN061151.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN061151.D (-3470) (-)

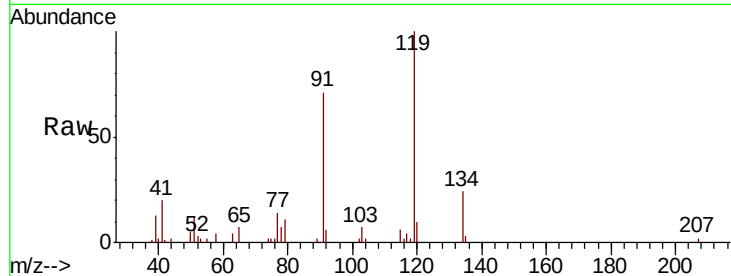




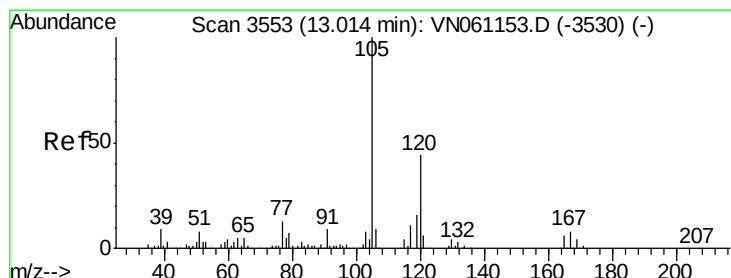
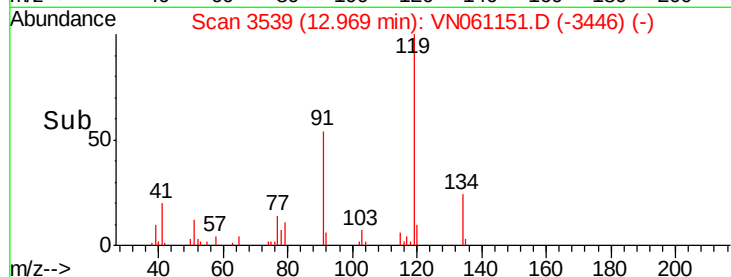
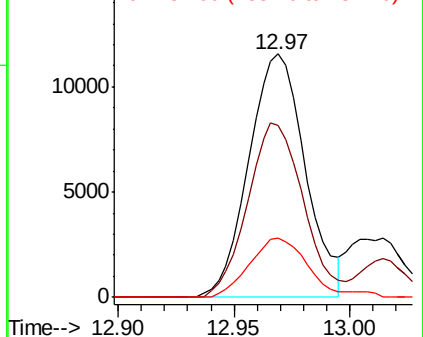
#83
 tert-Butylbenzene
 Concen: 4.584 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 19631
 Ion Ratio Lower Upper
 119 100
 91 70.8 34.8 104.4
 134 25.6 12.9 38.7

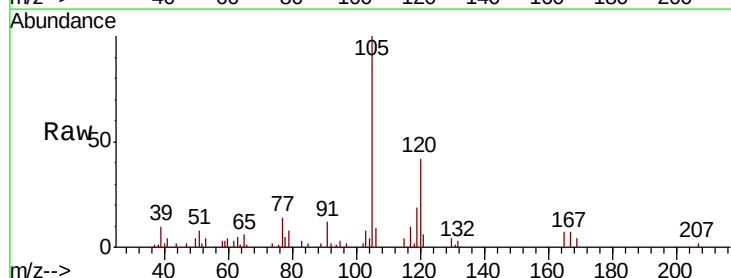


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

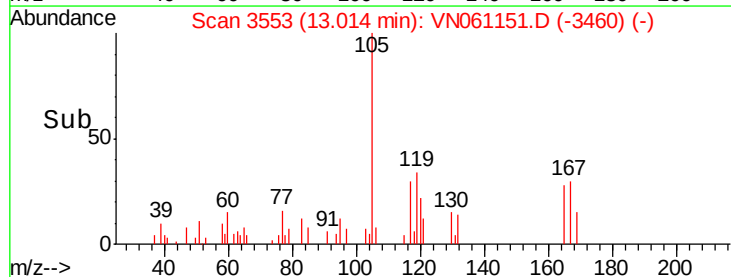
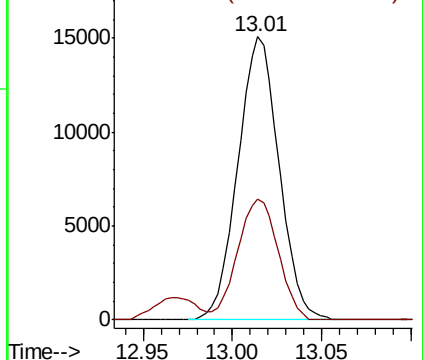


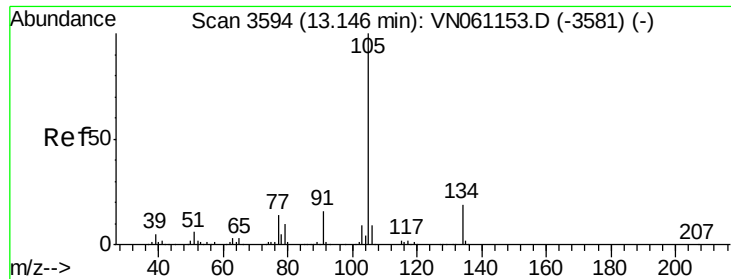
#84
 1,2,4-Trimethylbenzene
 Concen: 4.768 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion:105 Resp: 24319
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.2 66.6



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





#85

sec-Butylbenzene

Concen: 4.690 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

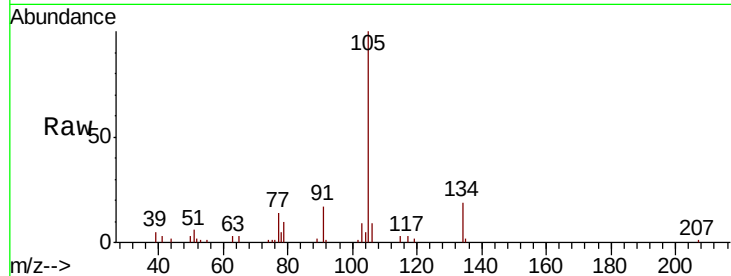
ClientSampleId :

Tot Ion:105 Resp: 27262

Ion Ratio Lower Upper

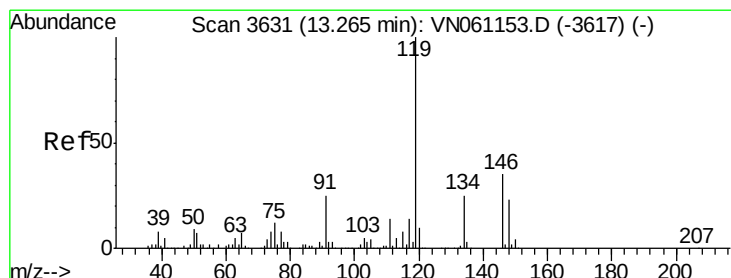
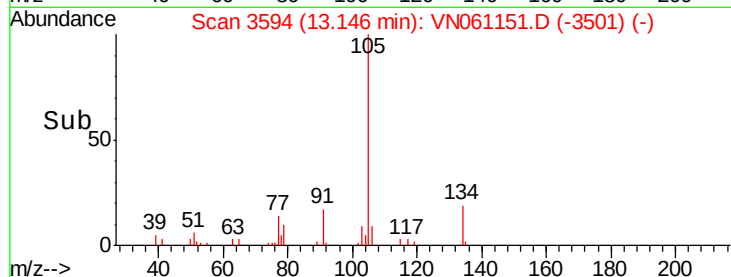
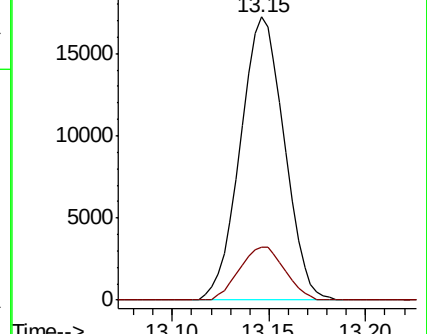
105 100

134 19.3 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.591 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

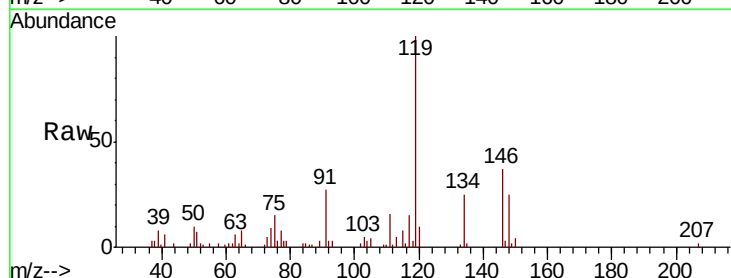
Tgt Ion:119 Resp: 24194

Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.6

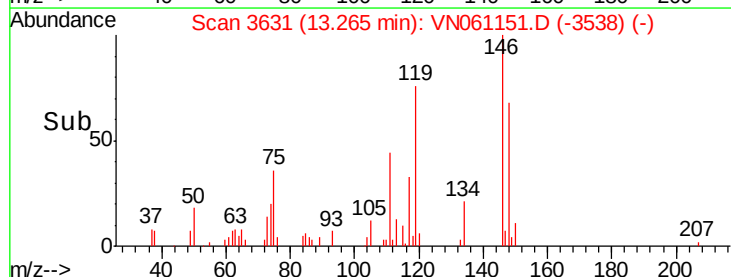
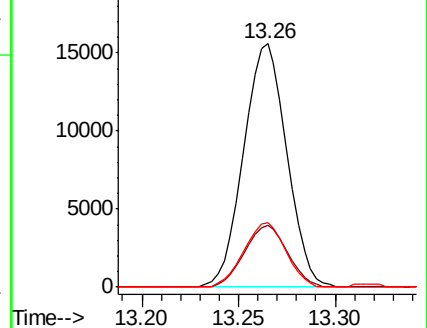
91 25.7 12.7 38.0

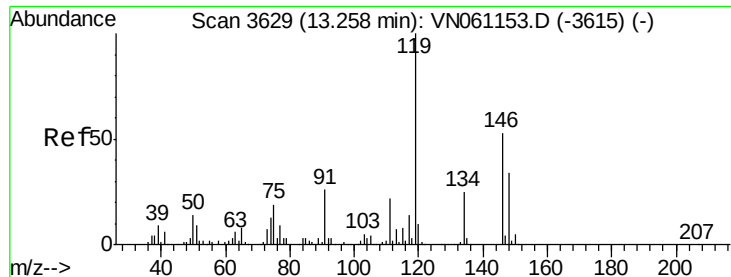


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

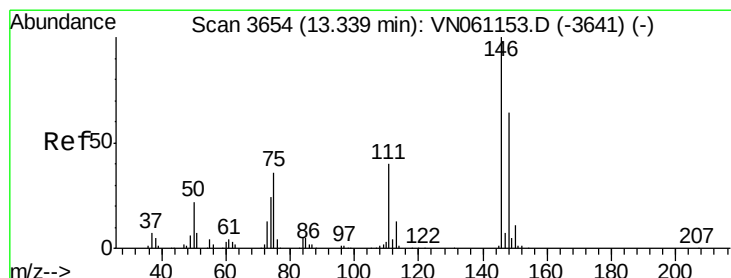
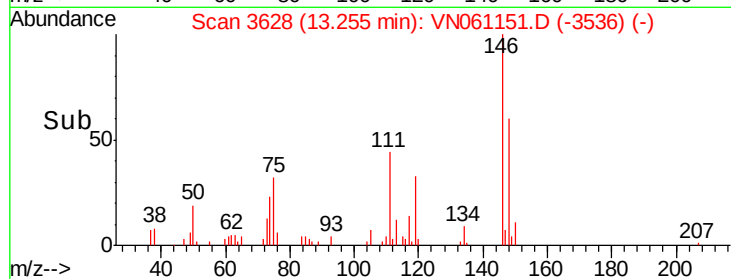
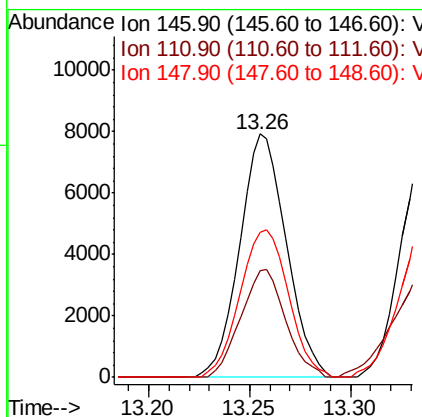
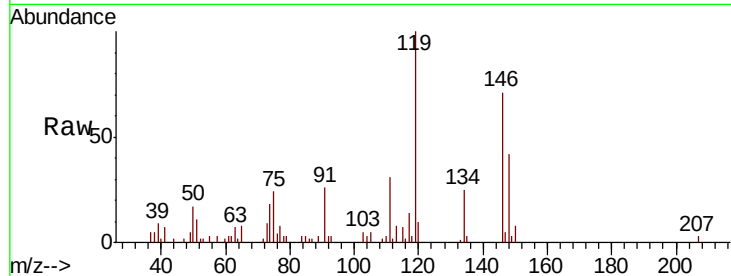




#87
 1,3-Dichlorobenzene
 Concen: 4.907 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

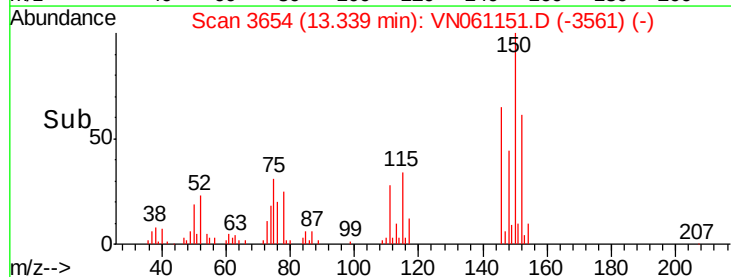
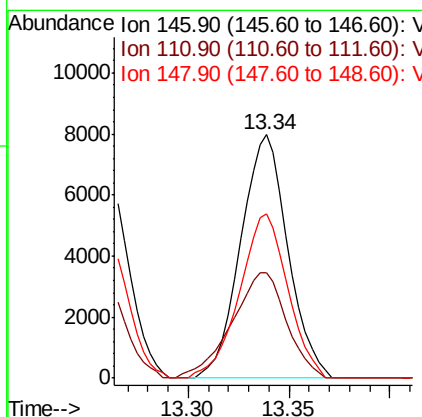
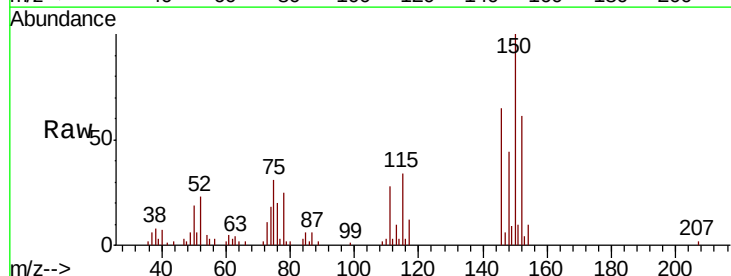
Instrument :
 MSVOA_N
 ClientSampled :

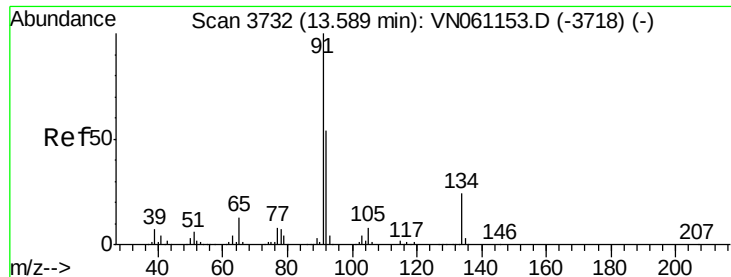
Tot Ion:146 Resp: 12822
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.7 62.1
 148 63.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 4.919 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion:146 Resp: 13020
 Ion Ratio Lower Upper
 146 100
 111 50.3 20.4 61.3
 148 69.1 31.9 95.7





#89

n-Butylbenzene

Concen: 4.628 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

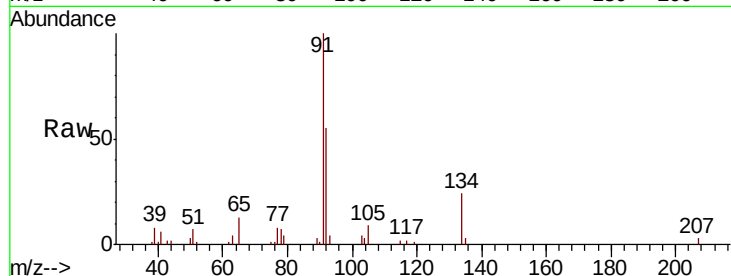
Tot Ion: 91 Resp: 22264

Ion Ratio Lower Upper

91 100

92 52.6 26.8 80.3

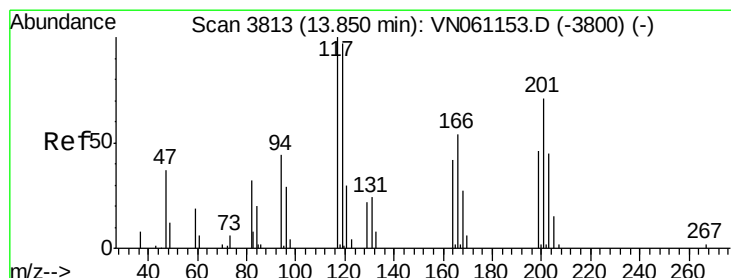
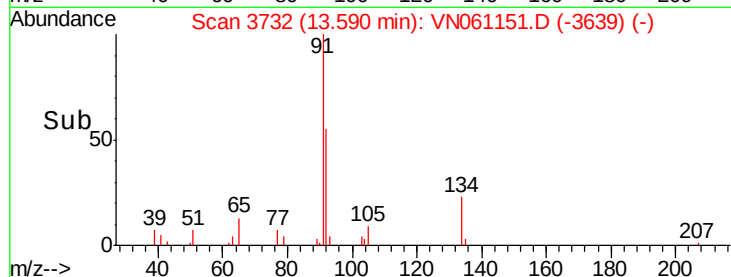
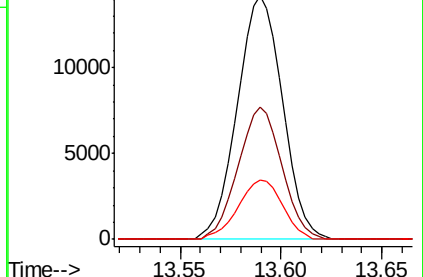
134 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN061151.D (-3718) (-)

Ion 92.00 (91.70 to 92.70): VN061151.D (-3718) (-)

Ion 134.00 (133.70 to 134.70): VN061151.D (-3718) (-)



#90

Hexachloroethane

Concen: 3.075 ug/l

RT: 13.85 min Scan# 3813

Delta R.T. 0.00 min

Lab File: VN061151.D

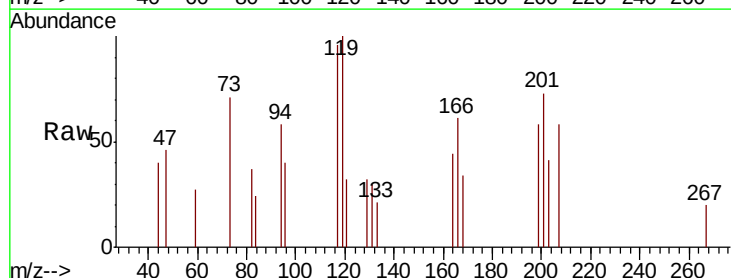
Acq: 27 Apr 2020 16:26

Tgt Ion: 117 Resp: 1308

Ion Ratio Lower Upper

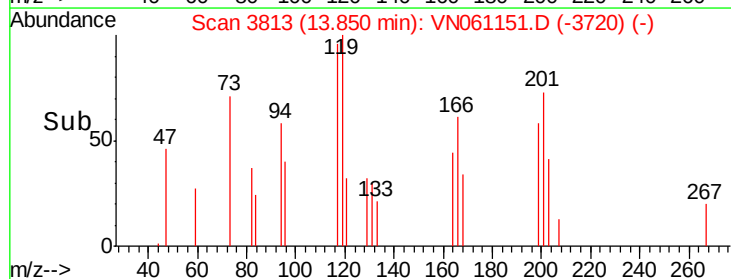
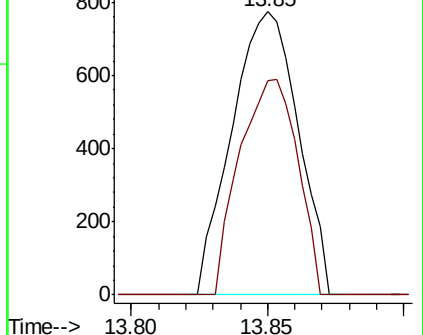
117 100

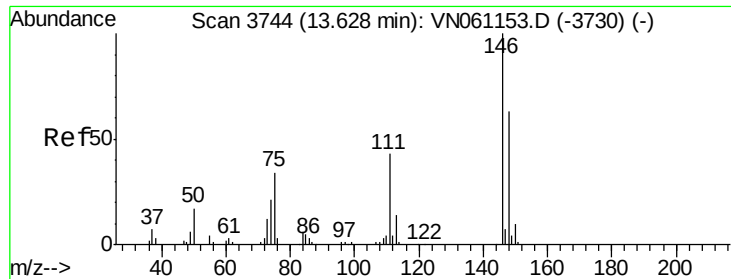
201 66.7 35.5 106.7



Abundance Ion 116.80 (116.50 to 117.50): VN061151.D (-3800) (-)

Ion 200.70 (200.40 to 201.40): VN061151.D (-3800) (-)

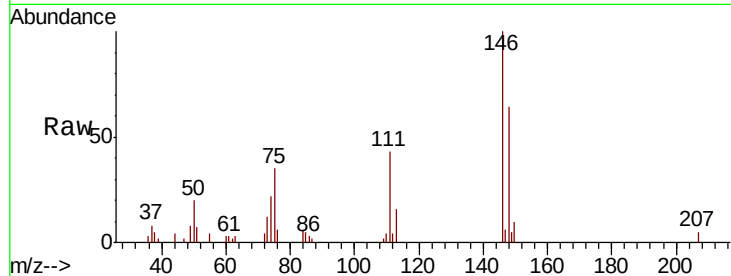




#91
 1,2-Dichlorobenzene
 Concen: 4.976 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.8	65.3
148	65.8	31.6	95.0

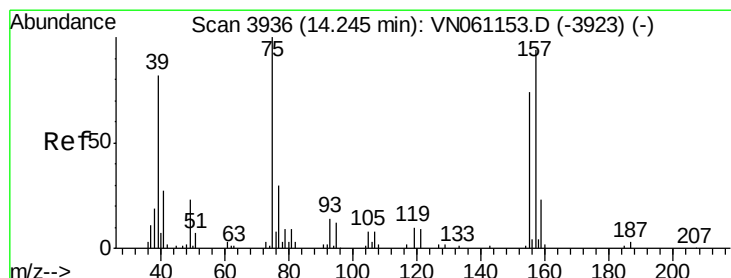
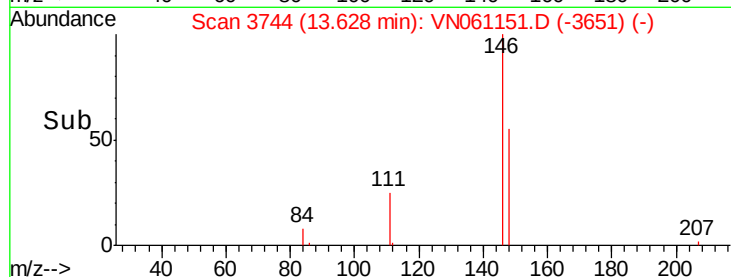
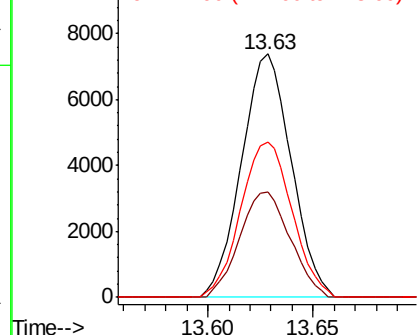


Abundance

Ion 145.90 (145.60 to 146.60): V

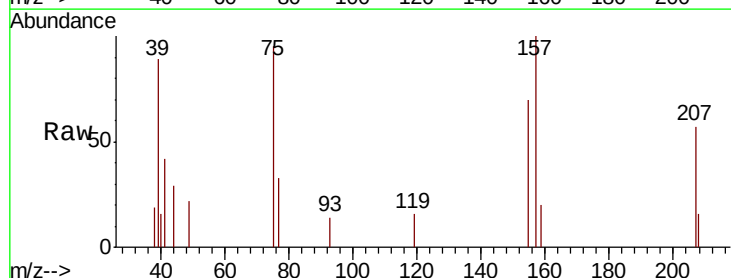
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.446 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	36.5	109.7
157	93.9	46.6	139.7

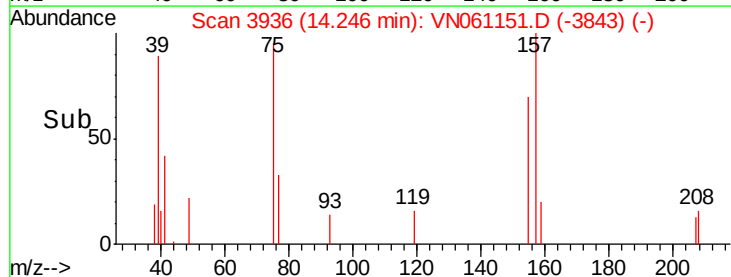
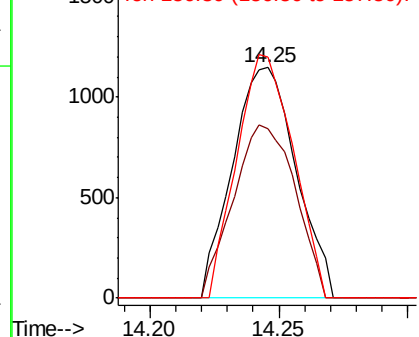


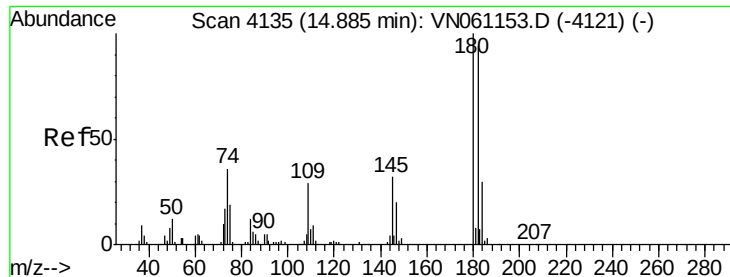
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

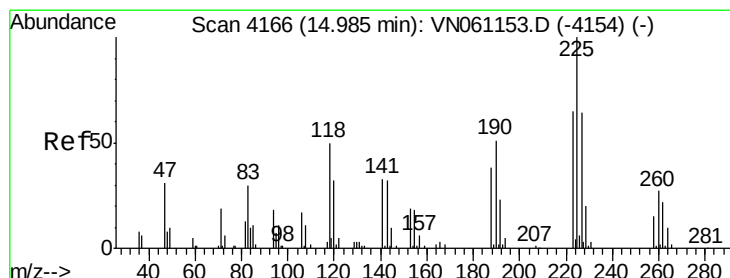
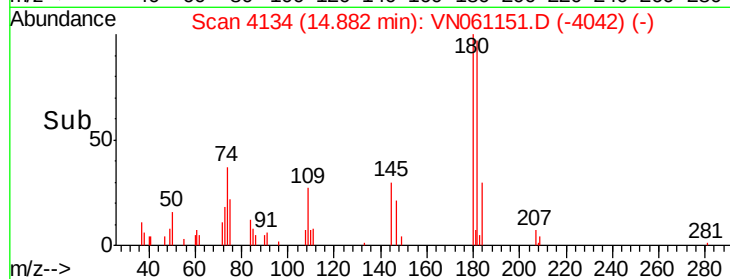
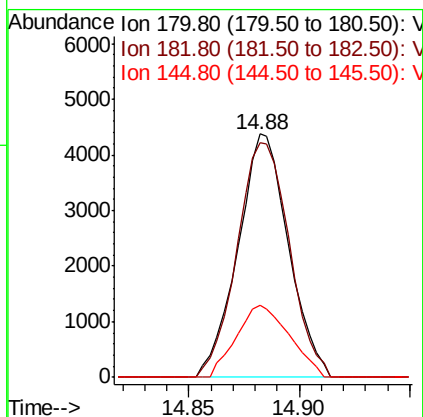
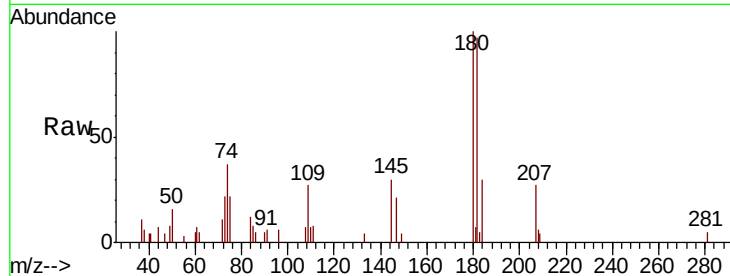




#93
 1,2,4-Trichlorobenzene
 Concen: 4.316 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

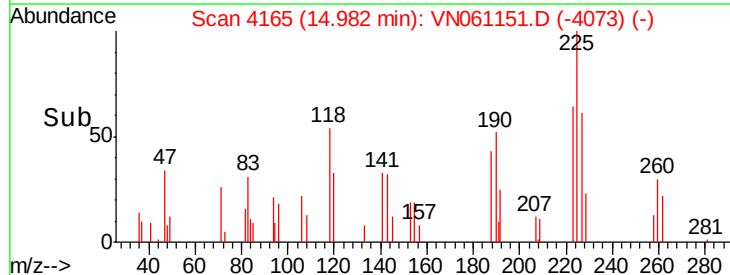
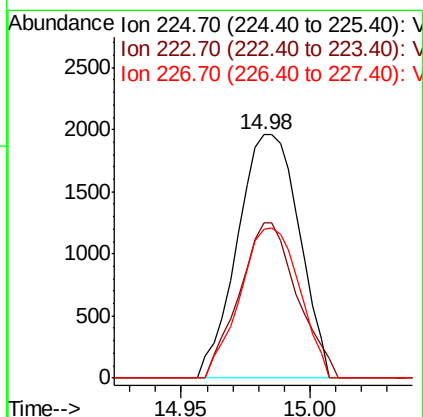
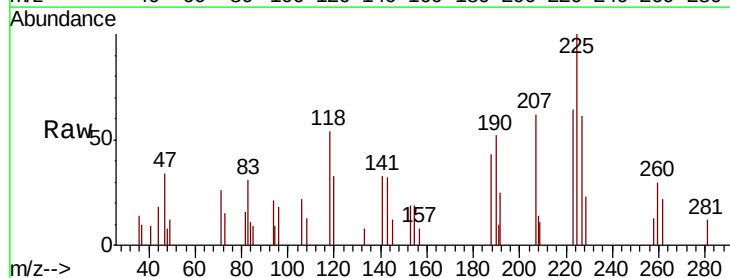
Instrument :
 MSVOA_N
 ClientSampleId :

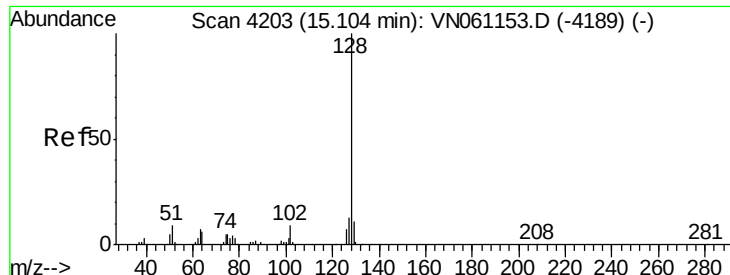
Tot Ion:180 Resp: 6971
 Ion Ratio Lower Upper
 180 100
 182 99.7 47.3 141.9
 145 31.0 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 4.674 ug/l
 RT: 14.98 min Scan# 4165
 Delta R.T. -0.00 min
 Lab File: VN061151.D
 Acq: 27 Apr 2020 16:26

Tgt Ion:225 Resp: 3270
 Ion Ratio Lower Upper
 225 100
 223 59.7 32.4 97.0
 227 59.2 32.4 97.0





#95

Naphthalene

Concen: 4.363 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

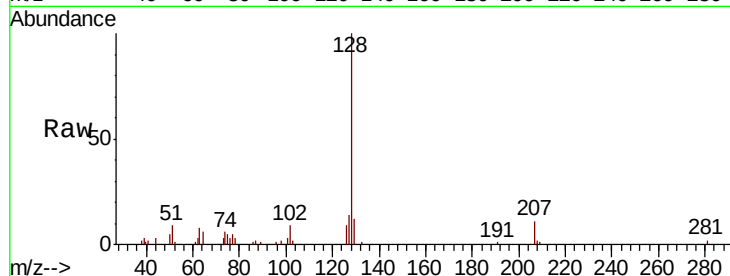
Tot Ion:128 Resp: 21926

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

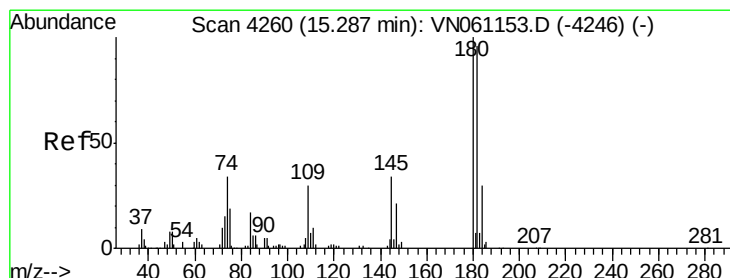
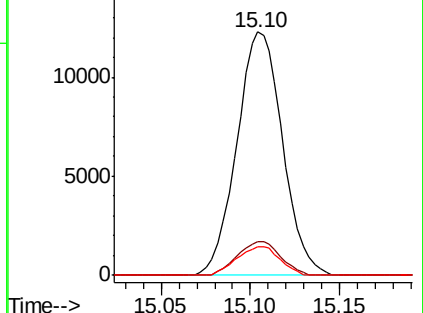
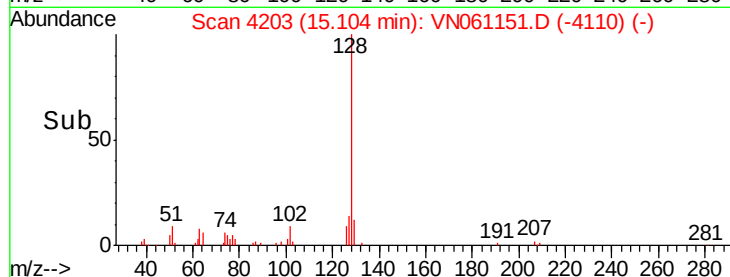
129 11.1 8.7 13.1



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: 4.464 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061151.D

Acq: 27 Apr 2020 16:26

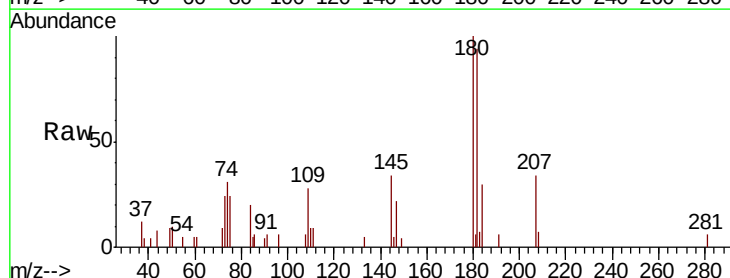
Tgt Ion:180 Resp: 6942

Ion Ratio Lower Upper

180 100

182 94.7 47.5 142.5

145 34.8 16.9 50.7



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

