

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060066.D
 Acq On : 12 Feb 2020 11:19
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 12 12:55:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 12:49:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125386	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	3038	1.20	ug/l	0.00
Spiked Amount			Recovery	=	2.40%	
35) Dibromofluoromethane	7.57	113	2259	1.16	ug/l	0.00
Spiked Amount			Recovery	=	2.32%	
50) Toluene-d8	10.08	98	9091	1.17	ug/l	0.00
Spiked Amount			Recovery	=	2.34%	
62) 4-Bromofluorobenzene	12.40	95	3772	1.36	ug/l	0.00
Spiked Amount			Recovery	=	2.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	2107	1.003	ug/l	97
3) Chloromethane	2.04	50	2775	1.090	ug/l	96
4) Vinyl Chloride	2.17	62	3050	1.056	ug/l	100
5) Bromomethane	2.55	94	2363	1.234	ug/l	84
6) Chloroethane	2.69	64	1608	1.107	ug/l	99
7) Trichlorofluoromethane	3.00	101	4007	1.079	ug/l	99
8) Diethyl Ether	3.38	74	1197	0.987	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2240	1.085	ug/l #	83
10) Methyl Iodide	3.93	142	1651	0.710	ug/l #	75
11) Tert butyl alcohol	4.73	59	1700	4.604	ug/l #	72
12) 1,1-Dichloroethene	3.71	96	2038	1.032	ug/l	84
13) Acrolein	3.59	56	1574	4.413	ug/l	99
14) Allyl chloride	4.29	41	3158	1.073	ug/l #	58
15) Acrylonitrile	4.95	53	4037	4.522	ug/l	97
16) Acetone	3.78	43	2111	2.244	ug/l	93
17) Carbon Disulfide	4.03	76	6880	1.144	ug/l #	93
18) Methyl Acetate	4.29	43	1967	0.963	ug/l #	70
19) Methyl tert-butyl Ether	5.00	73	7183	1.080	ug/l	99
20) Methylene Chloride	4.52	84	2430	1.087	ug/l	90
21) trans-1,2-Dichloroethene	5.00	96	1300	0.672	ug/l #	73
22) Diisopropyl ether	5.92	45	6679	1.063	ug/l	92
23) Vinyl Acetate	5.86	43	26226	5.033	ug/l	99
24) 1,1-Dichloroethane	5.82	63	4130	1.064	ug/l #	82
25) 2-Butanone	6.80	43	6087	4.498	ug/l	94
26) 2,2-Dichloropropane	6.79	77	3966	1.072	ug/l	82
27) cis-1,2-Dichloroethene	6.79	96	1564	0.697	ug/l	40
28) Bromochloromethane	7.16	49	841	0.620	ug/l #	81
29) Tetrahydrofuran	7.18	42	4063	4.857	ug/l #	87
30) Chloroform	7.34	83	4342	1.067	ug/l	97
31) Cyclohexane	7.63	56	7739	2.082	ug/l #	59
32) 1,1,1-Trichloroethane	7.55	97	3919	1.057	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	3303	1.090	ug/l	94
37) Ethyl Acetate	6.90	43	2264	0.851	ug/l #	77
38) Carbon Tetrachloride	7.74	117	3542	1.077	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	4080	1.087	ug/l	98
40) Benzene	8.02	78	10016	1.106	ug/l	97
41) Methacrylonitrile	7.15	41	1060	0.607	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	3263	1.040	ug/l #	75
43) Isopropyl Acetate	8.15	43	4463	0.977	ug/l	97
44) Trichloroethene	8.82	130	2722	1.083	ug/l	99
45) 1,2-Dichloropropane	9.10	63	2253	1.014	ug/l	93
46) Dibromomethane	9.19	93	1572	1.007	ug/l	98
47) Bromodichloromethane	9.38	83	3296	1.040	ug/l #	91
48) Methyl methacrylate	9.19	41	2152	1.063	ug/l	88
49) 1,4-Dioxane	9.18	88	564	16.600	ug/l #	74
51) 4-Methyl-2-Pentanone	9.97	43	12622	4.807	ug/l	97
52) Toluene	10.14	92	6109	1.069	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	3457	0.986	ug/l #	85
54) cis-1,3-Dichloropropene	9.82	75	3818	1.019	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	2392	1.065	ug/l #	89
56) Ethyl methacrylate	10.42	69	2846	0.953	ug/l	96
57) 1,3-Dichloropropane	10.70	76	4016	1.082	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.68	63	6034	4.284	ug/l	100
59) 2-Hexanone	10.74	43	9292	4.639	ug/l	92
60) Dibromochloromethane	10.89	129	2568	1.022	ug/l	98
61) 1,2-Dibromoethane	11.00	107	2344	1.015	ug/l	97
64) Tetrachloroethene	10.62	164	2632	1.151	ug/l	94
65) Chlorobenzene	11.43	112	6504	1.090	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	2290	1.025	ug/l #	62
67) Ethyl Benzene	11.50	91	11780	1.097	ug/l	100
68) m/p-Xylenes	11.62	106	8532	2.136	ug/l	95
69) o-Xylene	11.94	106	4040	1.052	ug/l	93
70) Styrene	11.96	104	5868	0.985	ug/l	96
71) Bromoform	12.12	173	1688	0.984	ug/l #	90
73) Isopropylbenzene	12.25	105	11175	1.165	ug/l	95
74) N-amyl acetate	12.07	43	3396	1.038	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	2886	1.063	ug/l #	90
76) 1,2,3-Trichloropropane	12.55	75	4065	1.193	ug/l #	100
77) Bromobenzene	12.53	156	2579	1.093	ug/l	93
78) n-propylbenzene	12.59	91	12721	1.169	ug/l	94
79) 2-Chlorotoluene	12.67	91	7549	1.176	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	8893	1.124	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	872	0.925	ug/l	89
82) 4-Chlorotoluene	12.77	91	7436	1.144	ug/l	98
83) tert-Butylbenzene	12.99	119	8567	1.204	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	8261	1.068	ug/l	88
85) sec-Butylbenzene	13.17	105	10753	1.155	ug/l	98
86) p-Isopropyltoluene	13.29	119	9333	1.119	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	4491	1.089	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	4491	1.098	ug/l	96
89) n-Butylbenzene	13.61	91	7913	1.096	ug/l	97
90) Hexachloroethane	13.87	117	1701	1.097	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	4625	1.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	854	1.315	ug/l #	56

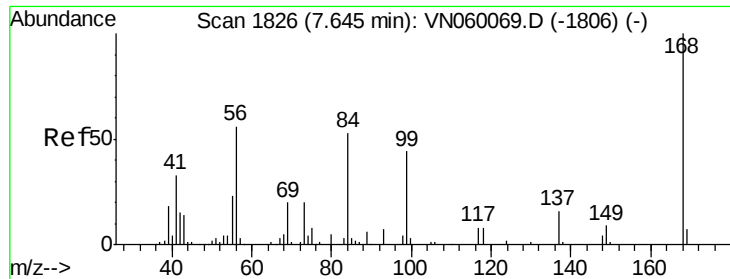
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2230	0.980	ug/l	98
94) Hexachlorobutadiene	15.01	225	1668	1.162	ug/l	88
95) Naphthalene	15.13	128	5306	0.883	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	2373	1.030	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

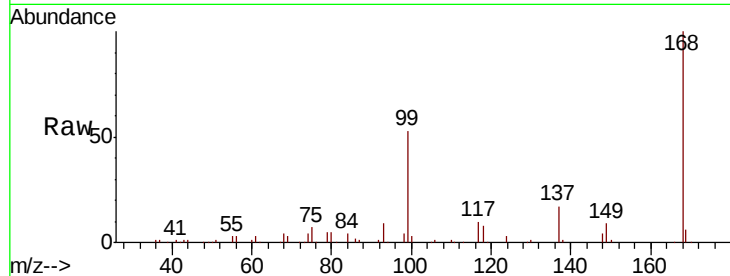
ClientSampled :

Tot Ion:168 Resp: 210512

Ion Ratio Lower Upper

168 100

99 53.2 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

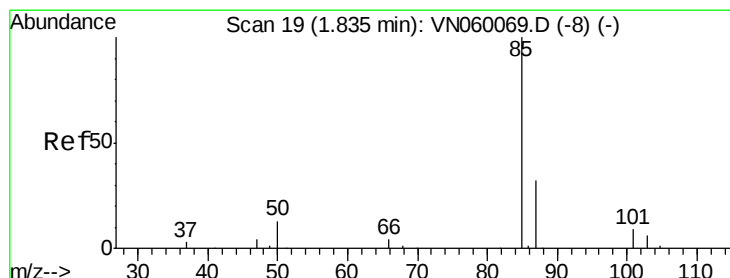
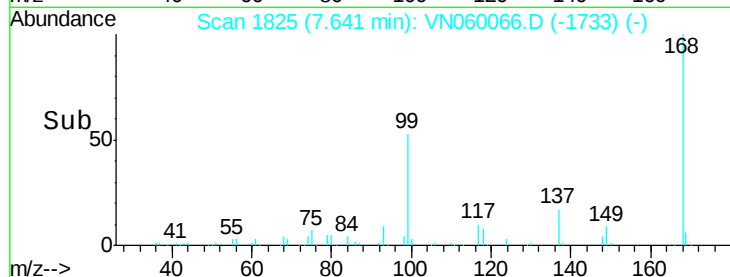
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.003 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060066.D

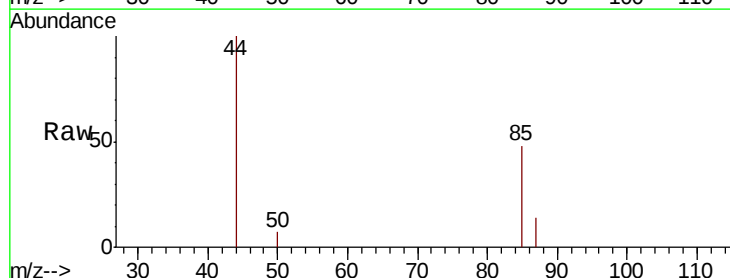
Acq: 12 Feb 2020 11:19

Tgt Ion: 85 Resp: 2107

Ion Ratio Lower Upper

85 100

87 30.3 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

1500

1000

500

0

1.80

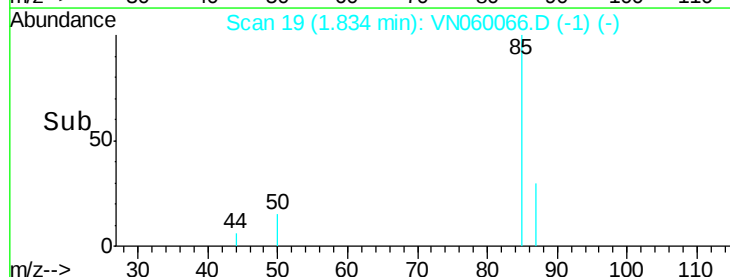
1.82

1.84

1.86

1.88

Time-->

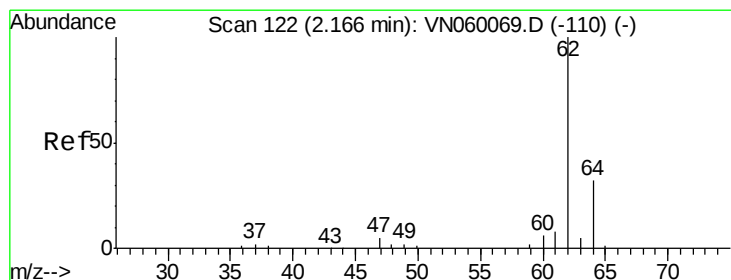
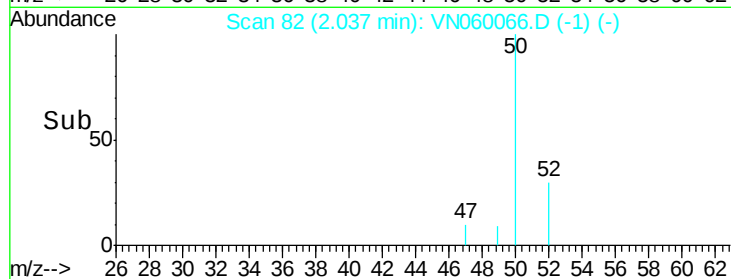
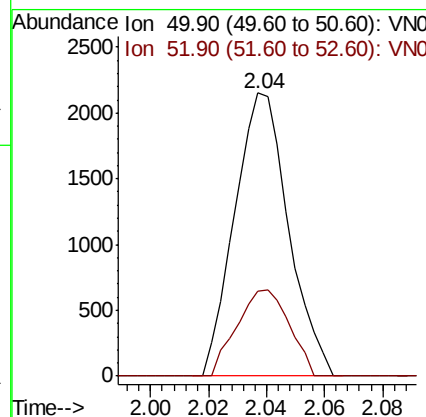
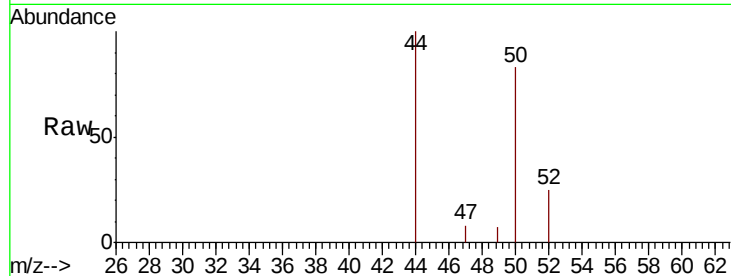




#3
 Chloromethane
 Concen: 1.090 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

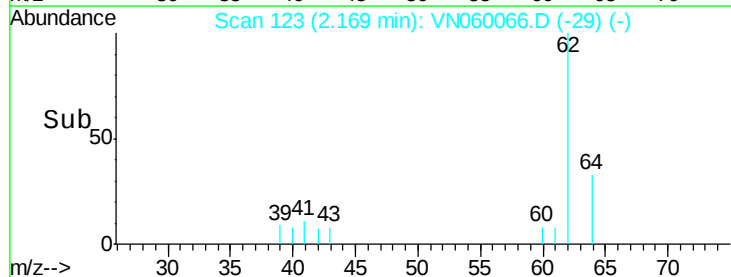
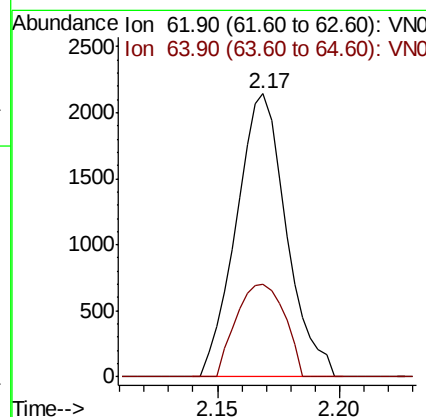
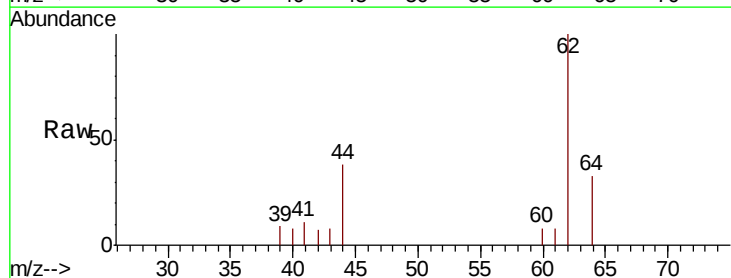
Instrument :
 MSVOA_N
 ClientSampleId :

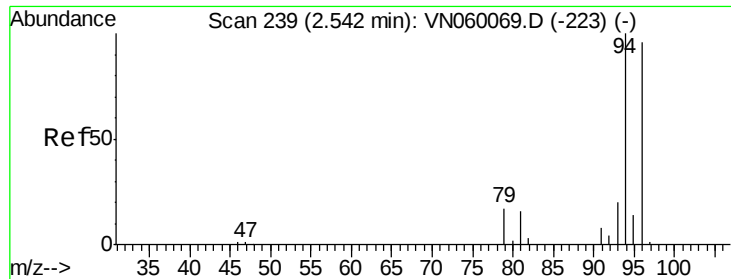
Tot Ion: 50 Resp: 2775
 Ion Ratio Lower Upper
 50 100
 52 30.0 25.6 38.4



#4
 Vinyl Chloride
 Concen: 1.056 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion: 62 Resp: 3050
 Ion Ratio Lower Upper
 62 100
 64 32.6 25.9 38.9

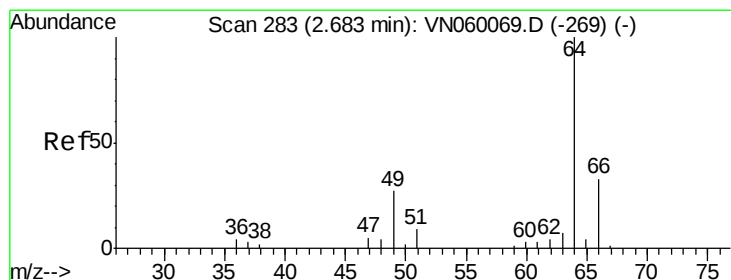
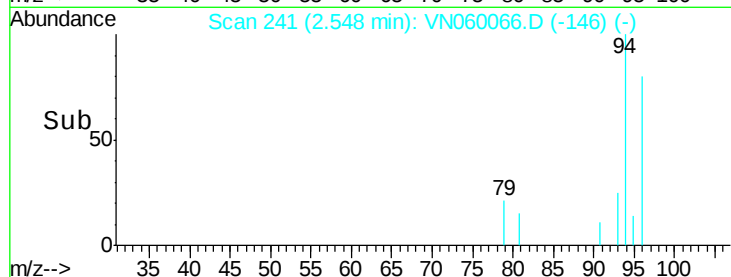
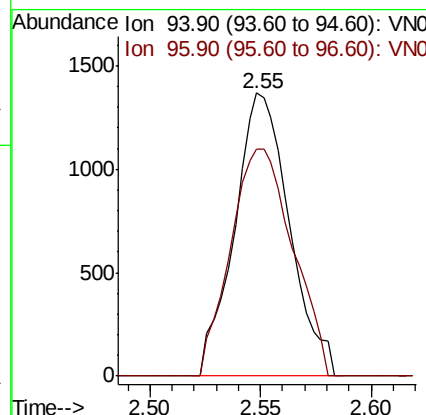
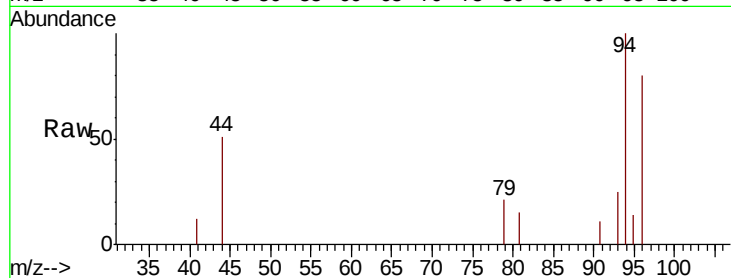




#5
Bromomethane
Concen: 1.234 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

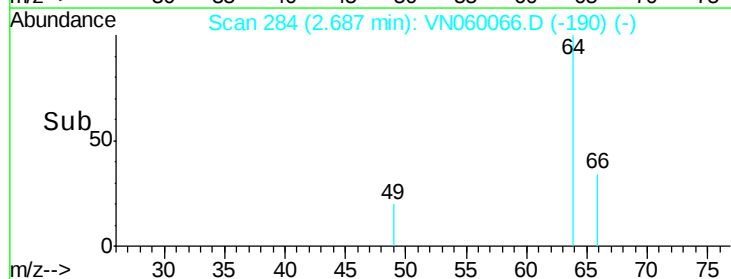
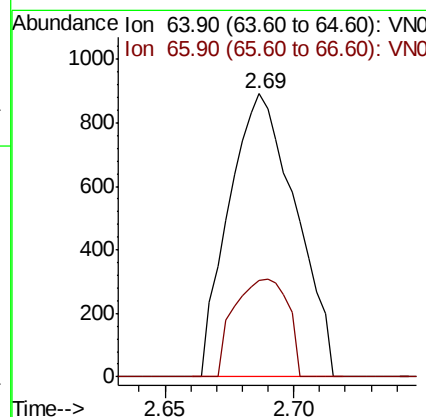
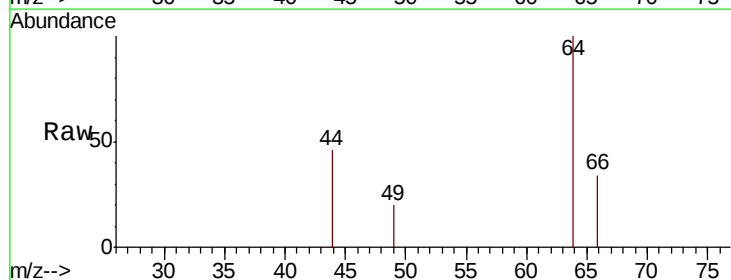
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 2363
Ion Ratio Lower Upper
94 100
96 80.3 76.7 115.1



#6
Chloroethane
Concen: 1.107 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 64 Resp: 1608
Ion Ratio Lower Upper
64 100
66 33.9 26.6 40.0



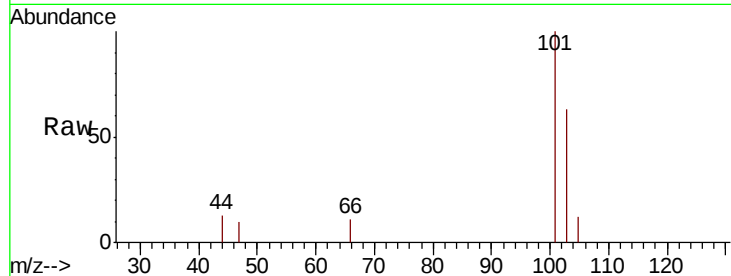


#7

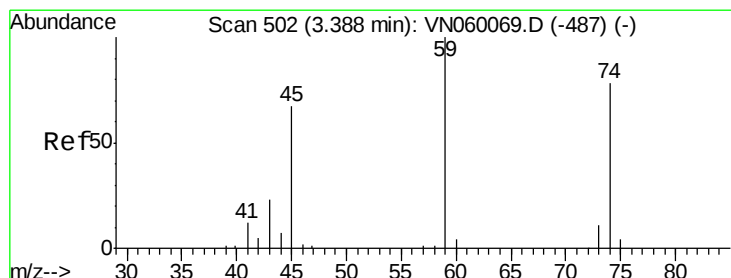
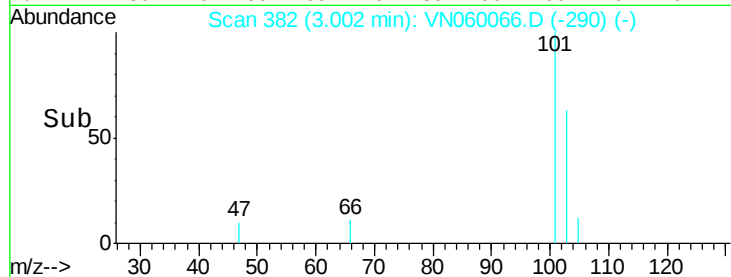
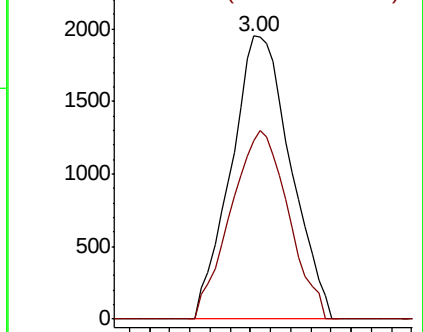
Trichlorofluoromethane
 Concen: 1.079 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 4007
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.0 76.6



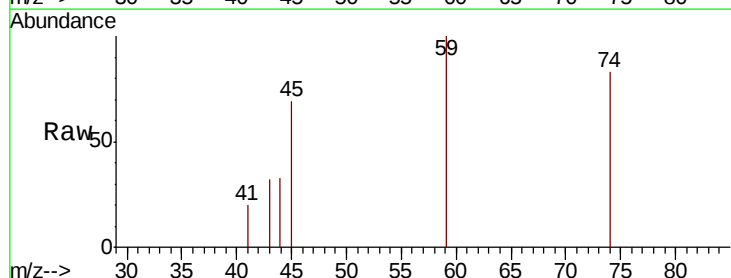
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



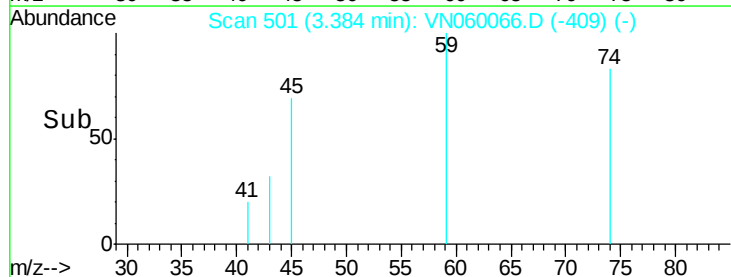
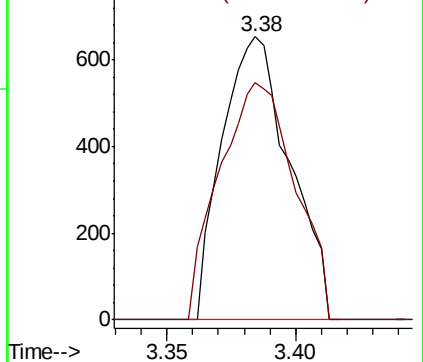
#8

Diethyl Ether
 Concen: 0.987 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion: 74 Resp: 1197
 Ion Ratio Lower Upper
 74 100
 45 93.4 44.7 134.1



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.085 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

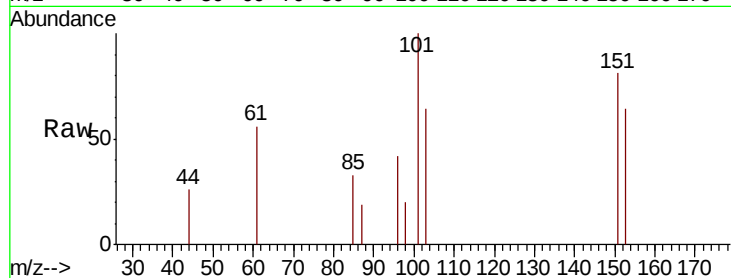
Tot Ion:101 Resp: 2240

Ion Ratio Lower Upper

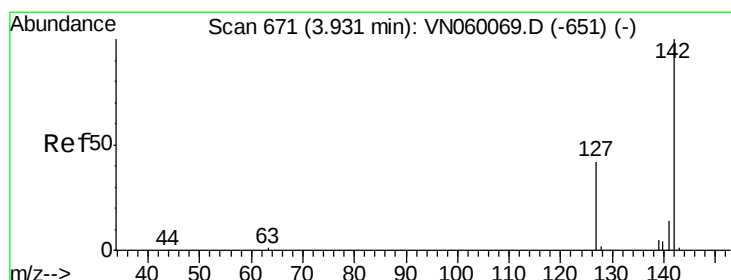
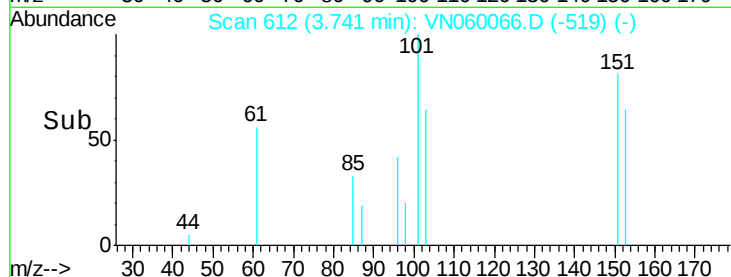
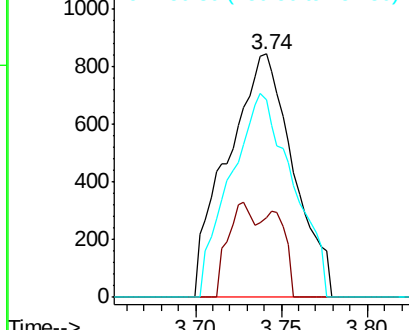
101 100

85 15.5 35.1 52.7#

151 79.7 65.8 98.6



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: 0.710 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

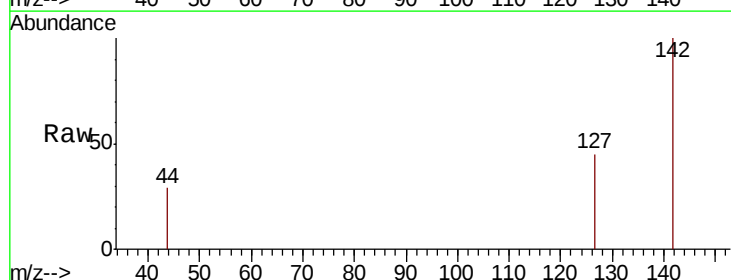
Tgt Ion:142 Resp: 1651

Ion Ratio Lower Upper

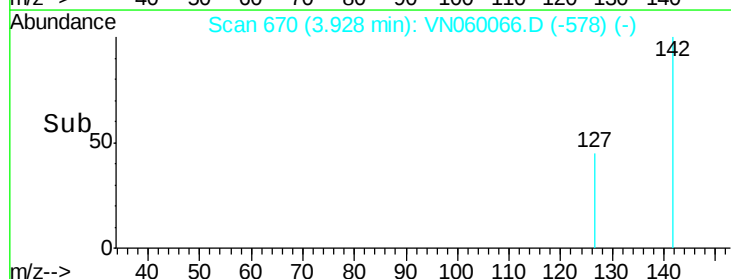
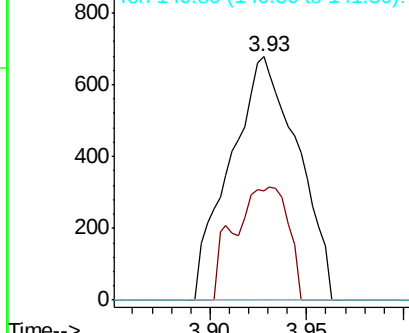
142 100

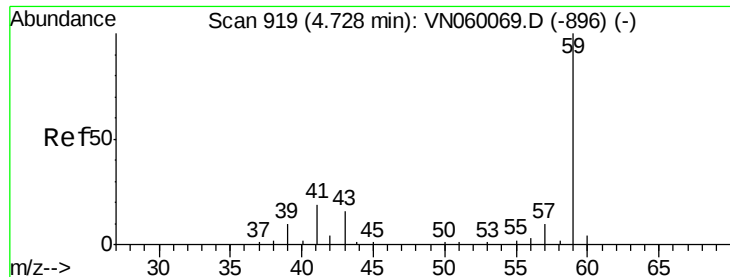
127 28.2 33.6 50.4#

141 0.0 11.4 17.2#



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

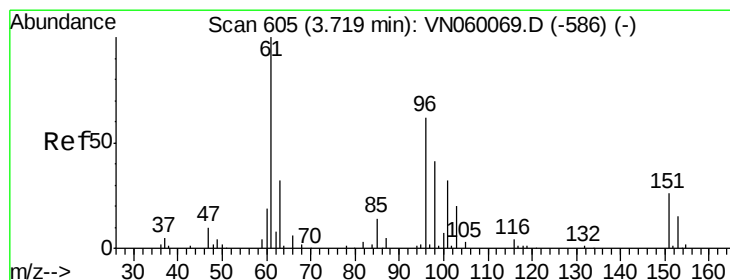
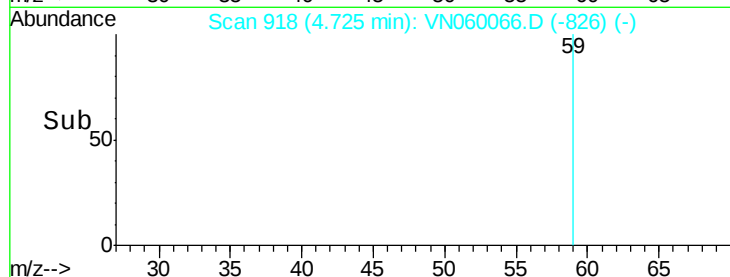
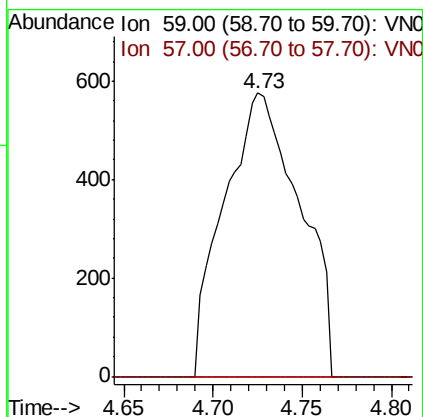
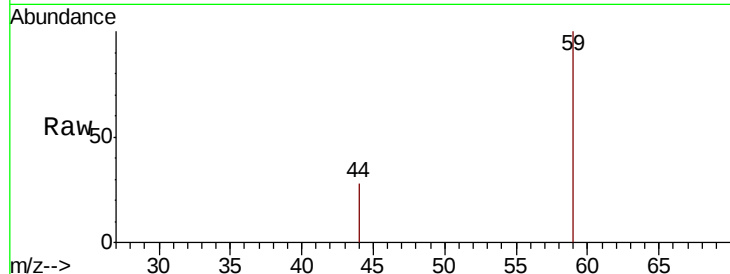




#11
Tert butyl alcohol
Concen: 4.604 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

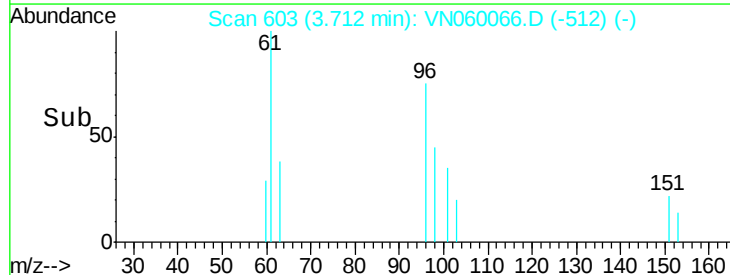
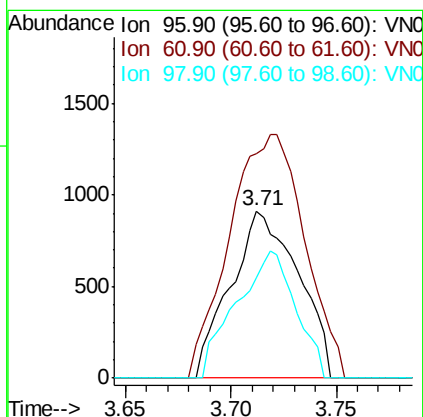
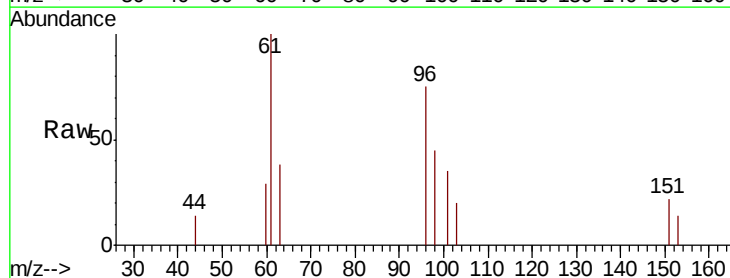
Instrument :
MSVOA_N
ClientSampled :

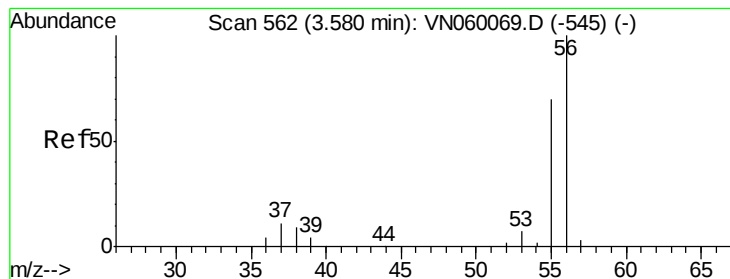
Tot Ion: 59 Resp: 1700
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 1.032 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 96 Resp: 2038
Ion Ratio Lower Upper
96 100
61 133.8 128.3 192.5
98 60.1 52.2 78.4





#13

Acrolein

Concen: 4.413 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

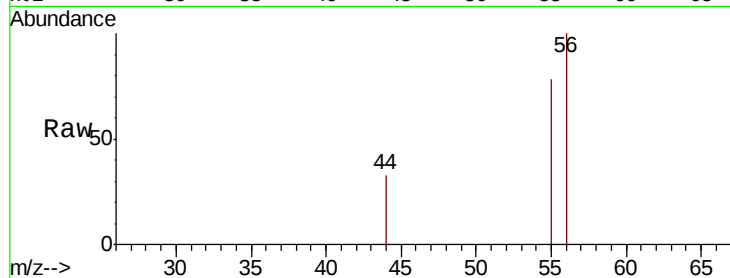
ClientSampled :

Tot Ion: 56 Resp: 1574

Ion Ratio Lower Upper

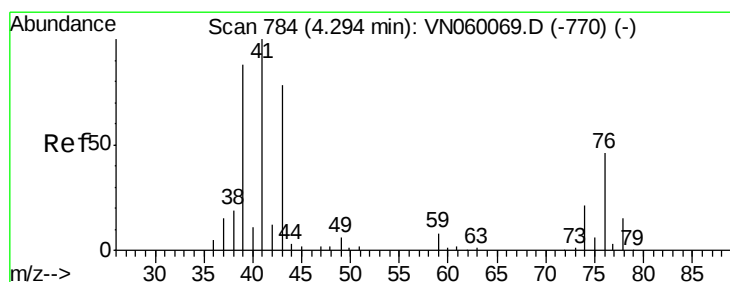
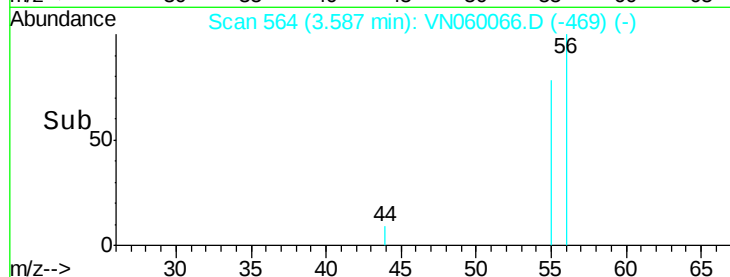
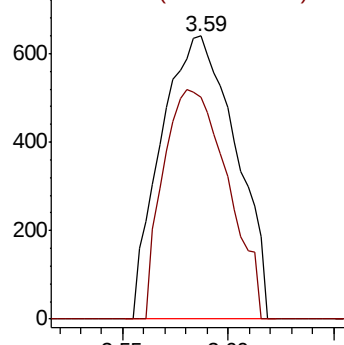
56 100

55 69.4 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 1.073 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

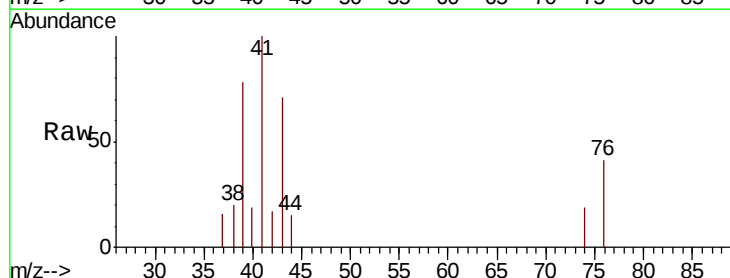
Tgt Ion: 41 Resp: 3158

Ion Ratio Lower Upper

41 100

39 39.3 67.8 101.8#

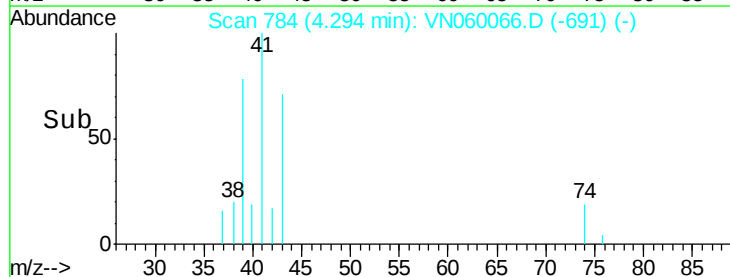
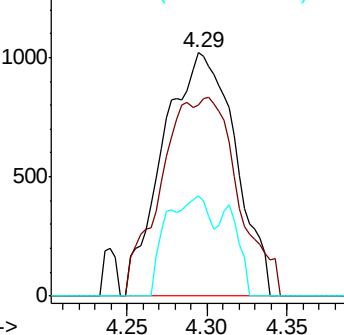
76 25.0 33.9 50.9#

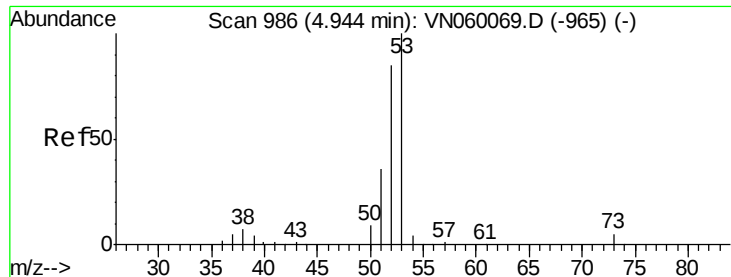


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 4.522 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

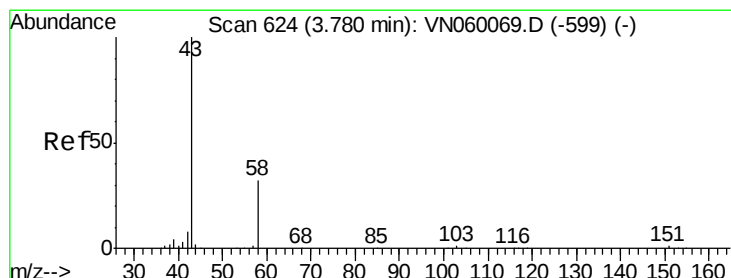
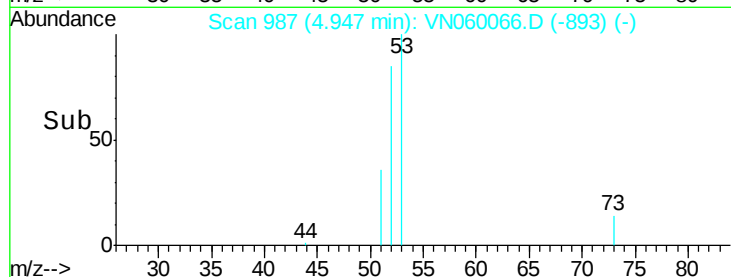
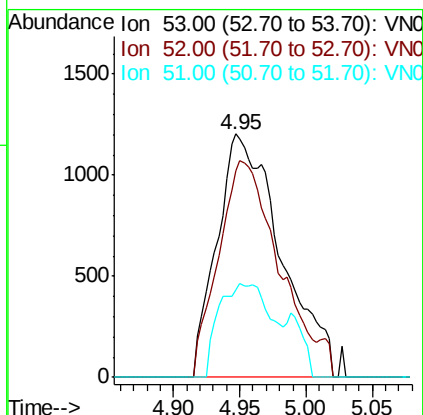
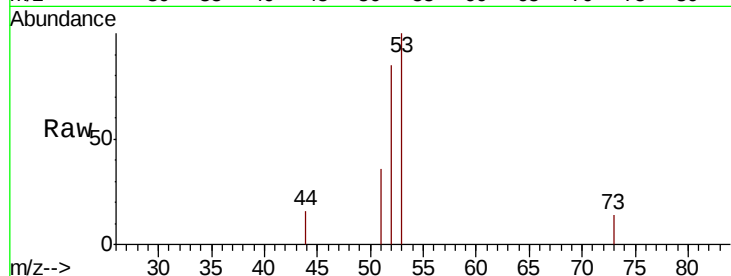
Tot Ion: 53 Resp: 4037

Ion Ratio Lower Upper

53 100

52 82.9 66.8 100.2

51 31.2 29.4 44.0



#16

Acetone

Concen: 2.244 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060066.D

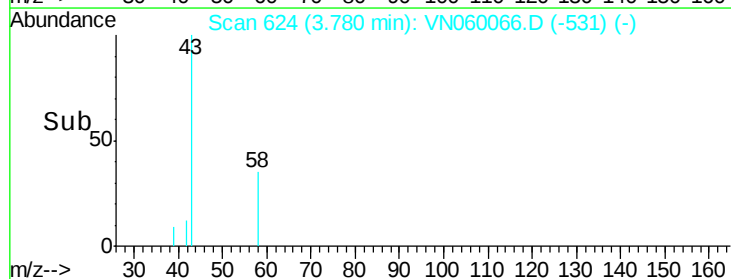
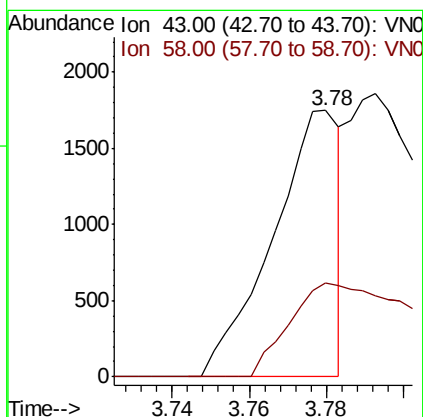
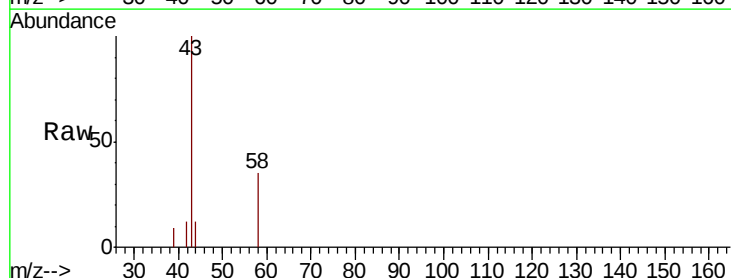
Acq: 12 Feb 2020 11:19

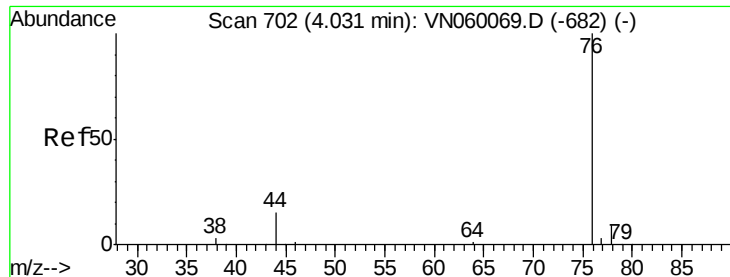
Tgt Ion: 43 Resp: 2111

Ion Ratio Lower Upper

43 100

58 35.2 25.2 37.8

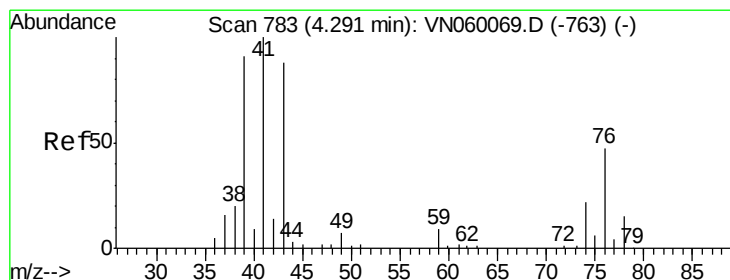
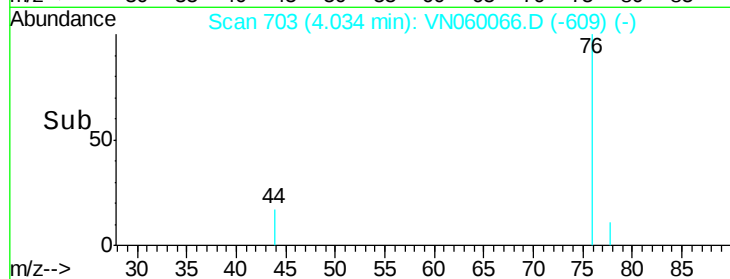
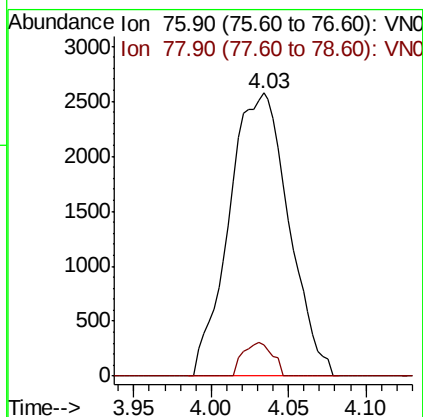
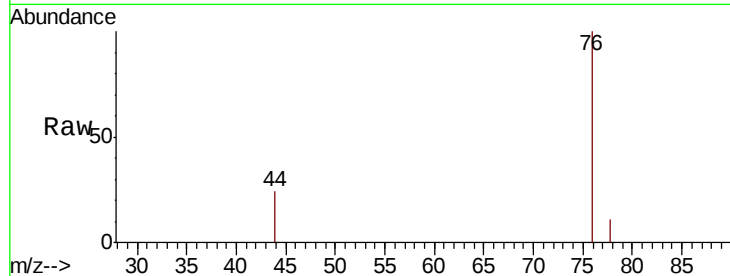




#17
Carbon Disulfide
Concen: 1.144 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

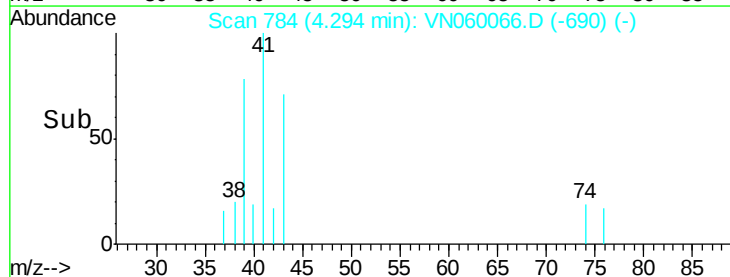
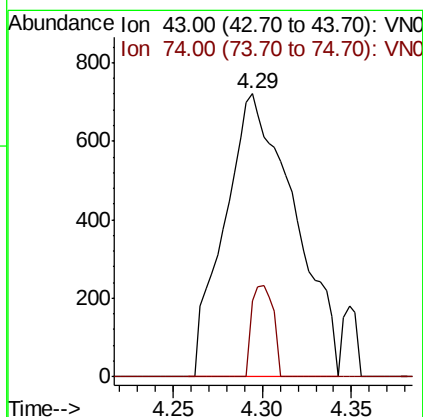
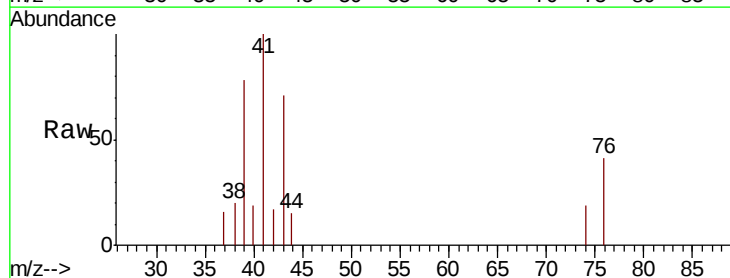
Instrument :
MSVOA_N
ClientSampled :

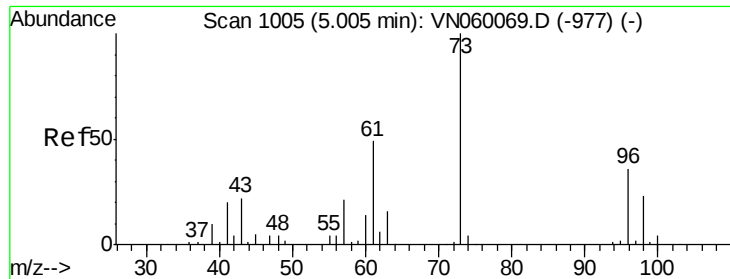
Tot Ion: 76 Resp: 6880
Ion Ratio Lower Upper
76 100
78 11.3 7.0 10.6#



#18
Methyl Acetate
Concen: 0.963 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
74 10.1 20.3 30.5#

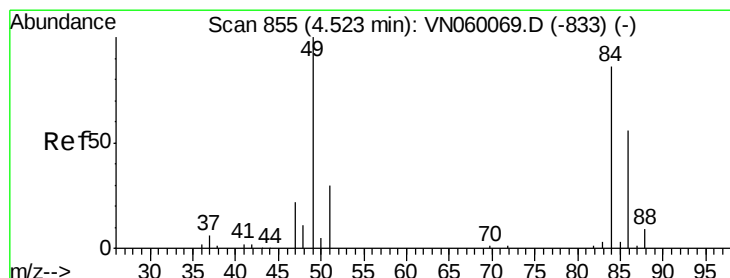
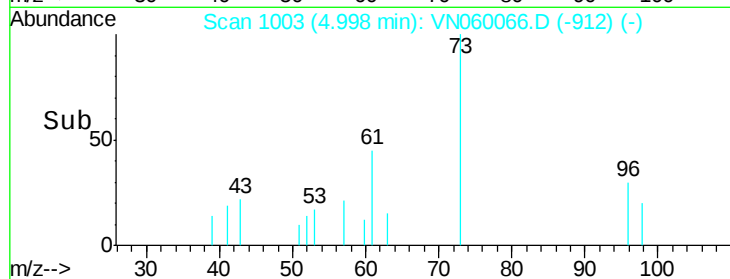
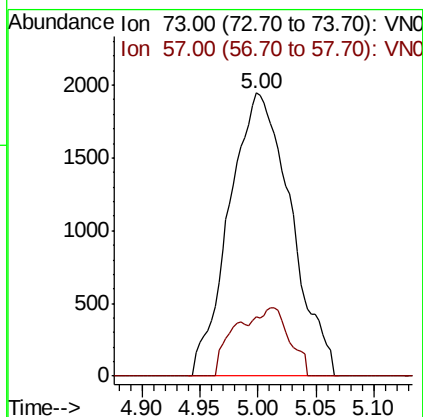
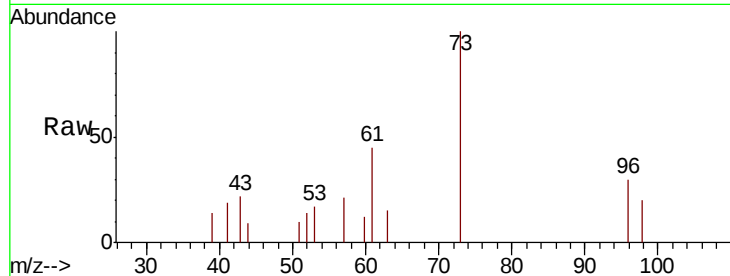




#19
Methyl tert-butyl Ether
Concen: 1.080 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

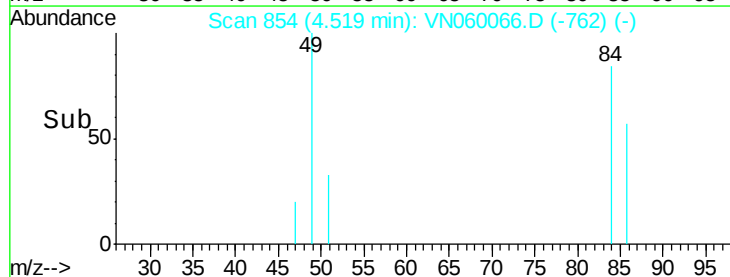
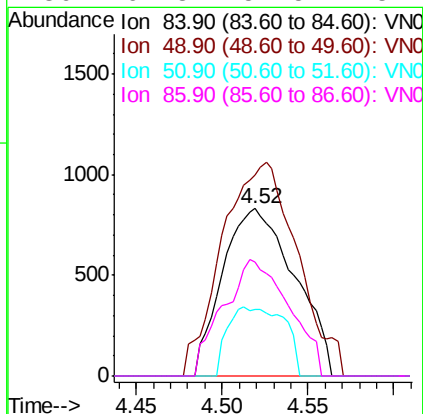
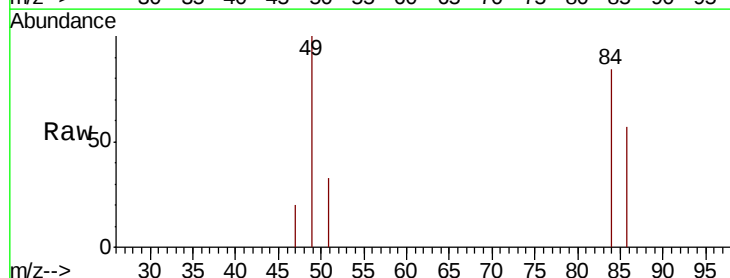
Instrument :
MSVOA_N
ClientSampled :

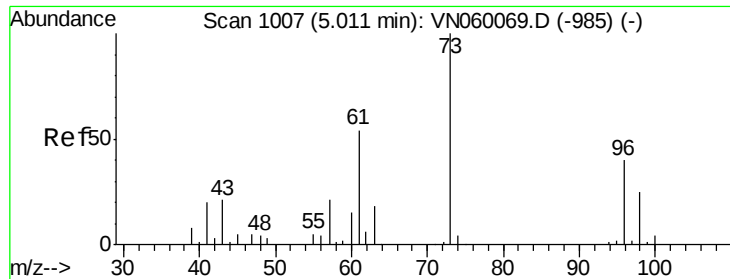
Tot Ion: 73 Resp: 7183
Ion Ratio Lower Upper
73 100
57 20.9 17.2 25.8



#20
Methylene Chloride
Concen: 1.087 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 84 Resp: 2430
Ion Ratio Lower Upper
84 100
49 100.7 93.4 140.0
51 39.4 28.4 42.6
86 67.8 52.5 78.7

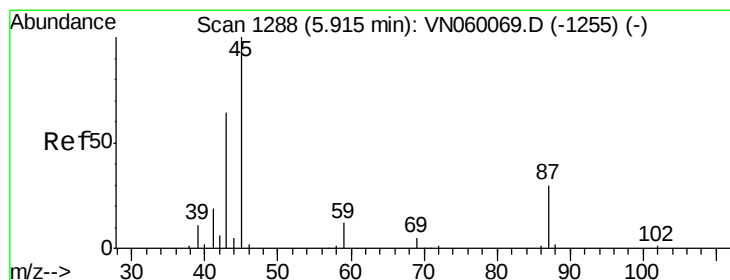
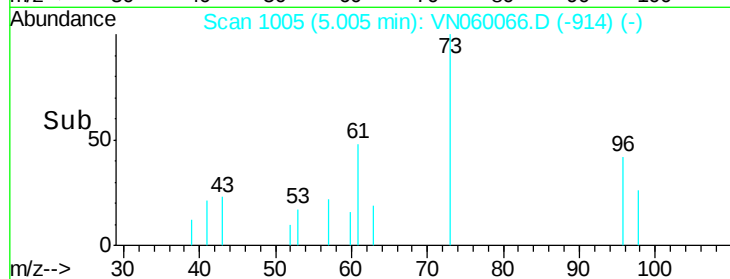
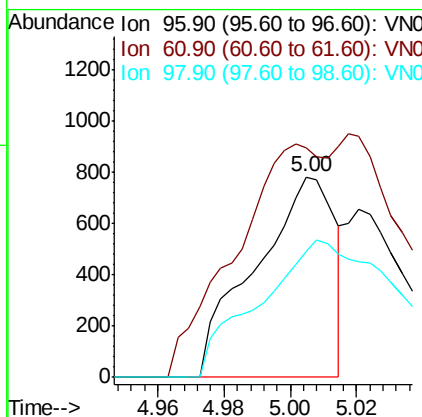
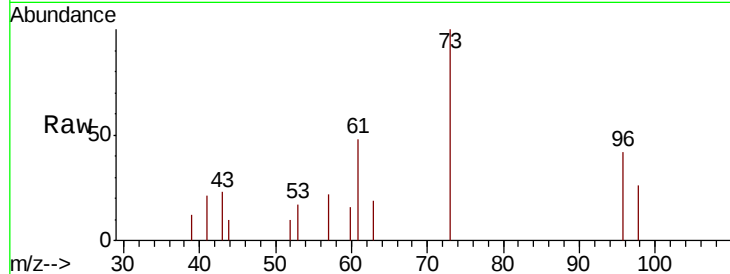




#21
trans-1,2-Dichloroethene
Concen: 0.672 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

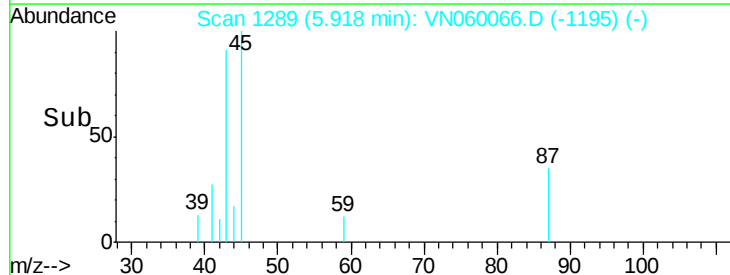
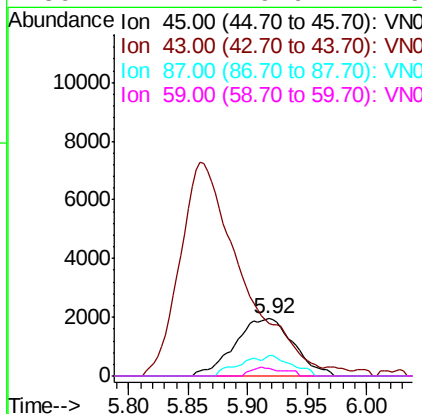
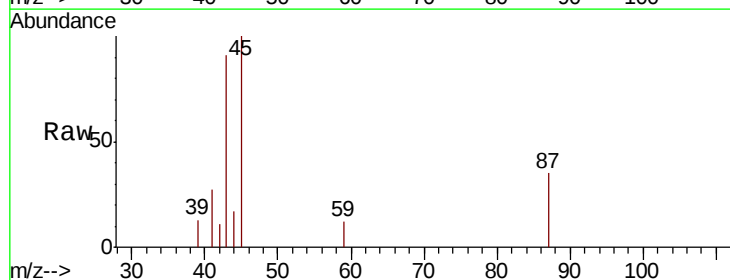
Instrument :
MSVOA_N
ClientSampled :

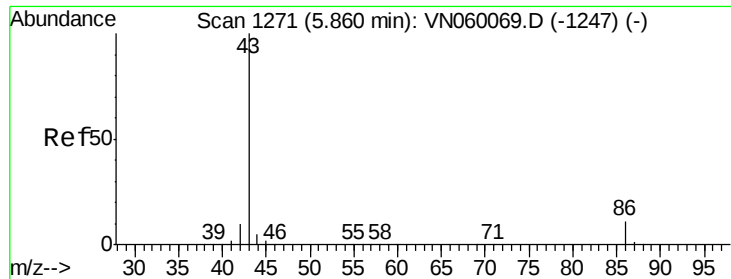
Tot Ion: 96 Resp: 1300
Ion Ratio Lower Upper
96 100
61 89.9 109.3 163.9#
98 63.1 51.0 76.6



#22
Diisopropyl ether
Concen: 1.063 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 45 Resp: 6679
Ion Ratio Lower Upper
45 100
43 77.7 55.9 83.9
87 34.7 24.5 36.7
59 12.4 9.9 14.9





#23

Vinyl Acetate

Concen: 5.033 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

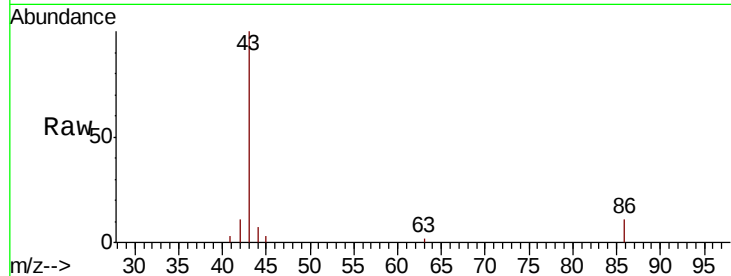
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 26226

Ion Ratio Lower Upper

43 100

86 11.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

8000

6000

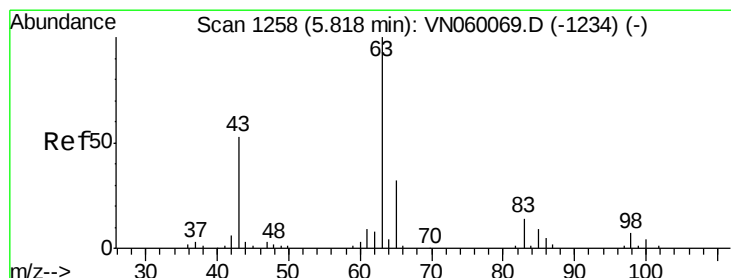
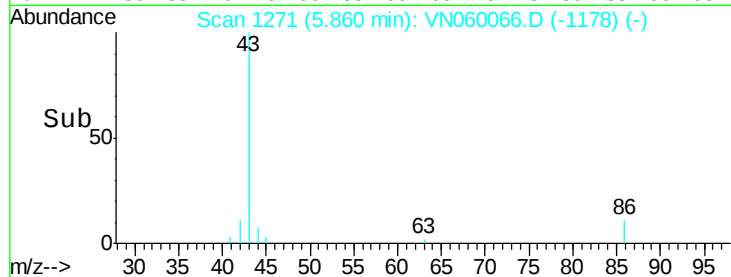
4000

2000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 1.064 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

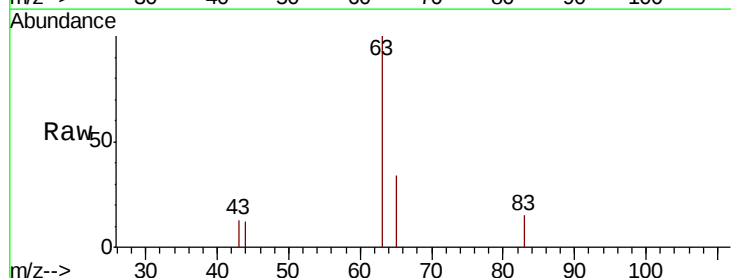
Tgt Ion: 63 Resp: 4130

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.2 6.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

1500

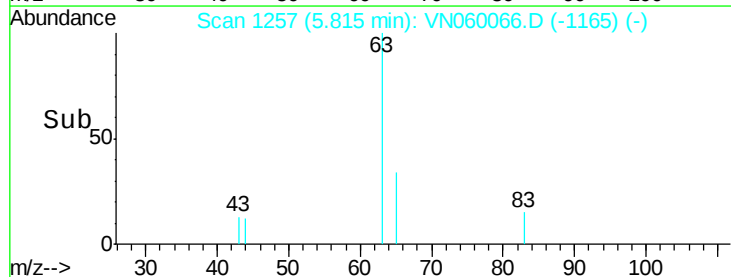
1000

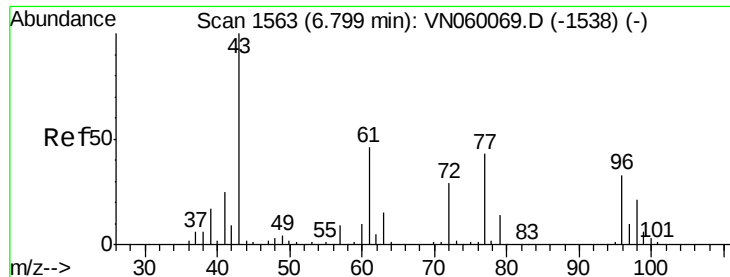
500

0

Time-->

5.75 5.80 5.85 5.90





#25

2-Butanone

Concen: 4.498 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

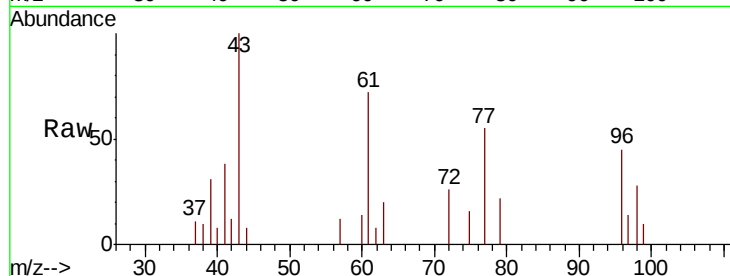
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 6087

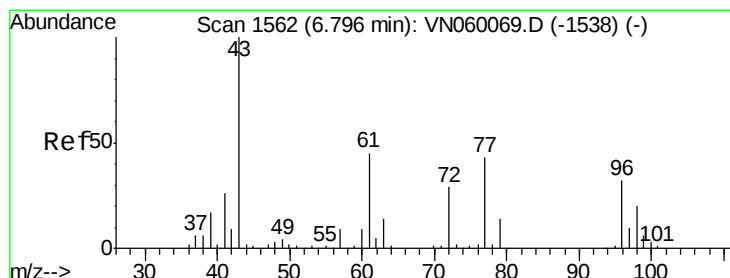
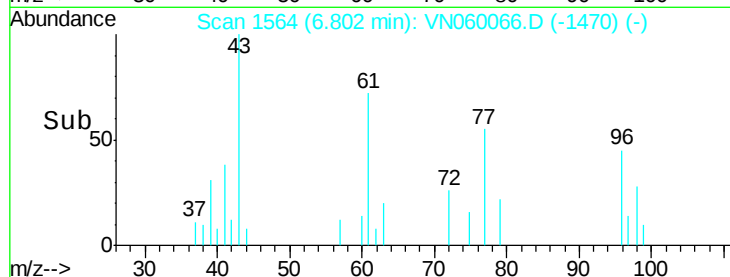
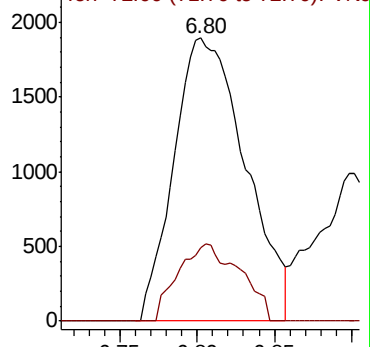
Ion Ratio Lower Upper

43 100

72 26.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN060066.D (-1470) (-)



#26

2,2-Dichloropropane

Concen: 1.072 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060066.D

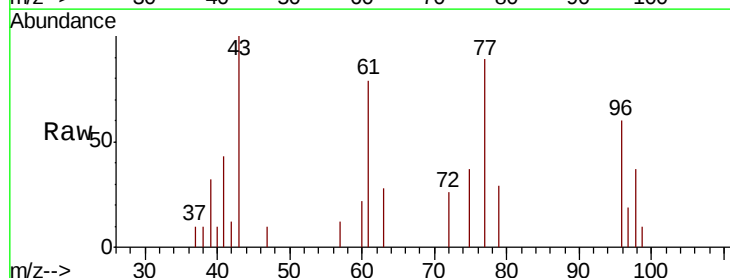
Acq: 12 Feb 2020 11:19

Tgt Ion: 77 Resp: 3966

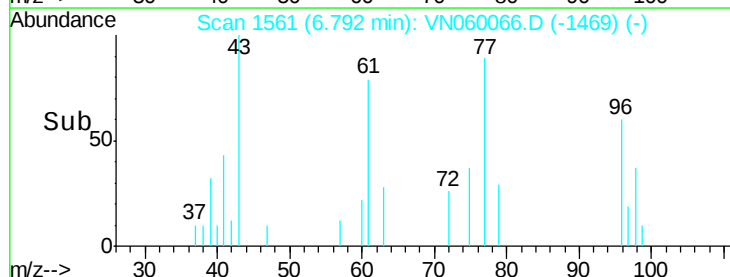
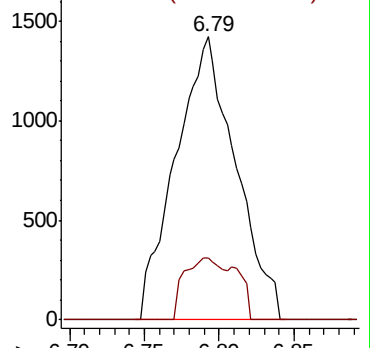
Ion Ratio Lower Upper

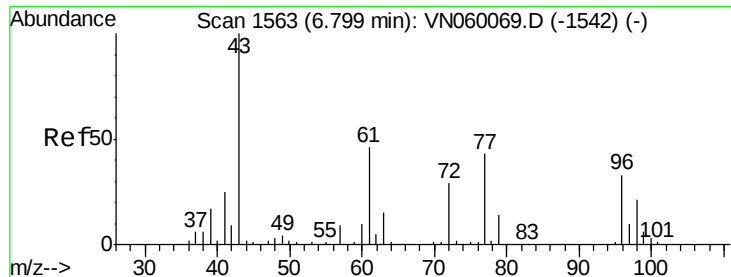
77 100

97 14.2 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060066.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.697 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

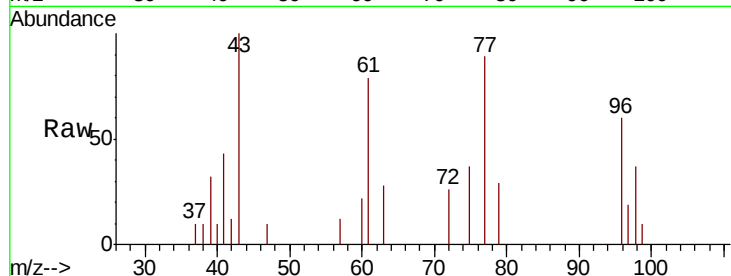
Tot Ion: 96 Resp: 1564

Ion Ratio Lower Upper

96 100

61 245.3 0.0 285.8

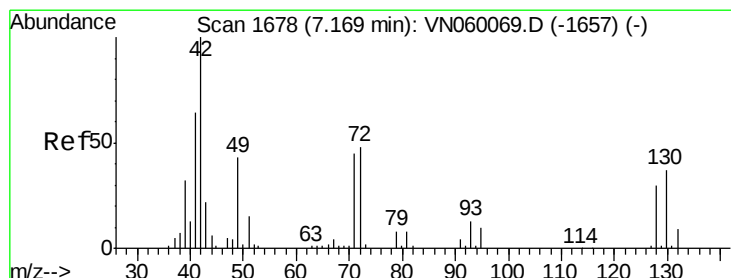
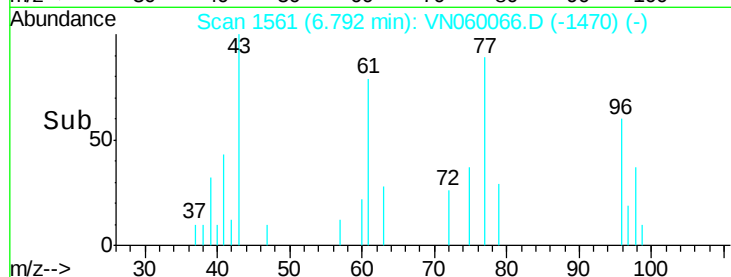
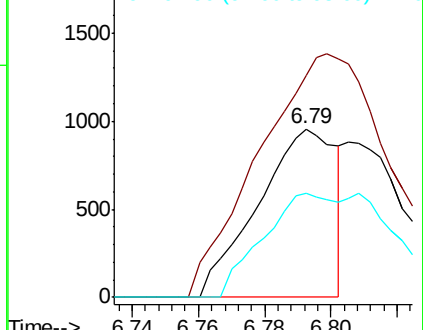
98 58.1 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN060069.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN060069.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-1542) (-)



#28

Bromochloromethane

Concen: 0.620 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

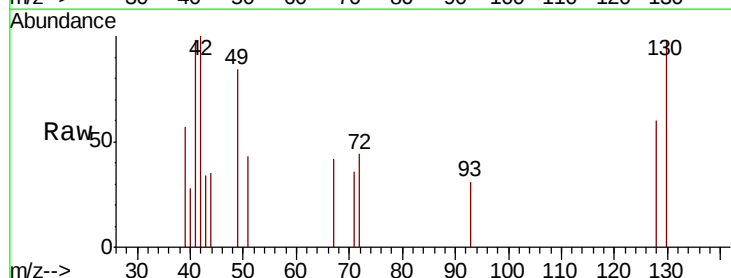
Tgt Ion: 49 Resp: 841

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

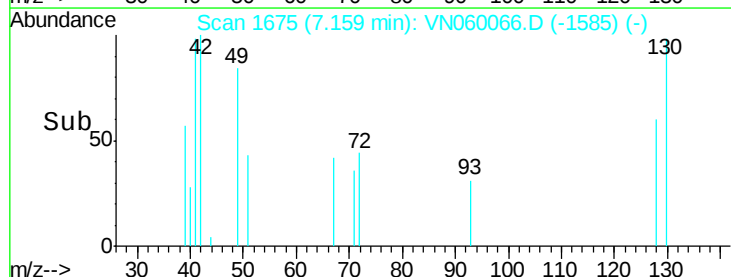
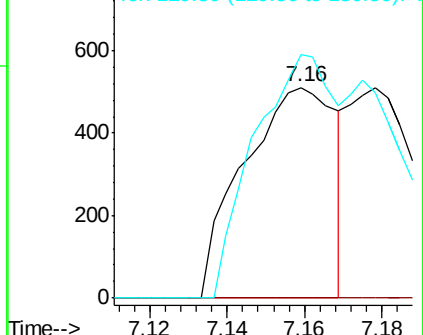
130 100.7 66.8 100.2#

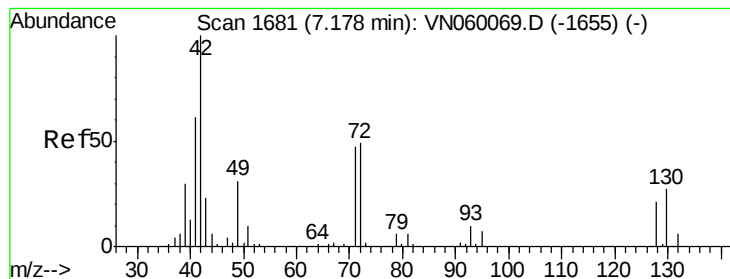


Abundance Ion 48.90 (48.60 to 49.60): VN060069.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN060069.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN060069.D (-1657) (-)





#29

Tetrahydrofuran

Concen: 4.857 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

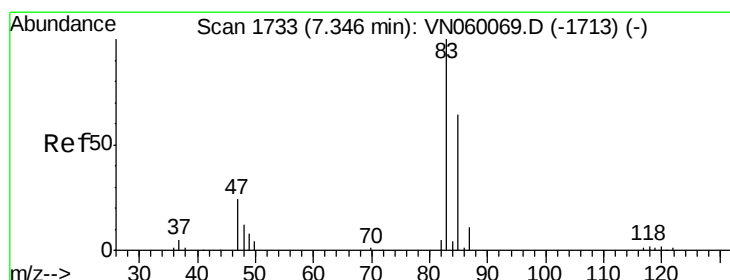
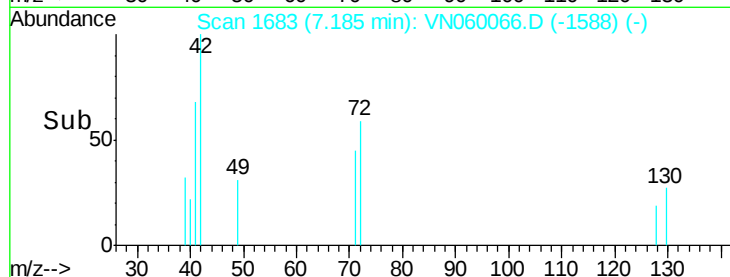
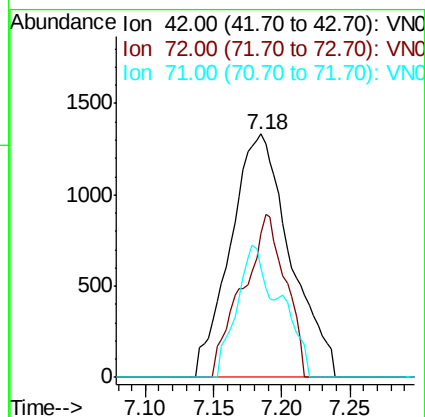
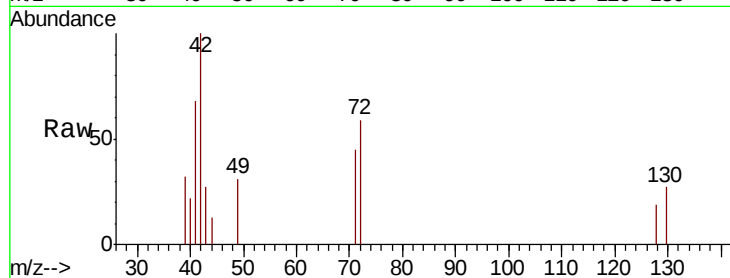
Tot Ion: 42 Resp: 4063

Ion Ratio Lower Upper

42 100

72 48.2 38.2 57.4

71 28.5 36.6 54.8#



#30

Chloroform

Concen: 1.067 ug/l

RT: 7.34 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VN060066.D

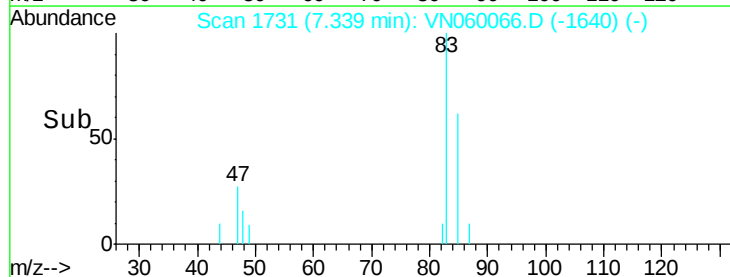
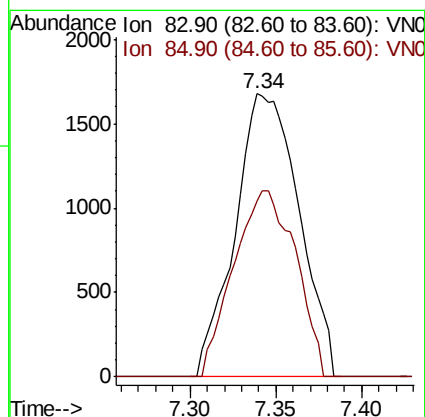
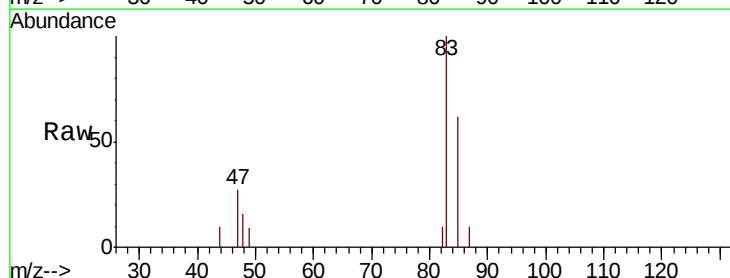
Acq: 12 Feb 2020 11:19

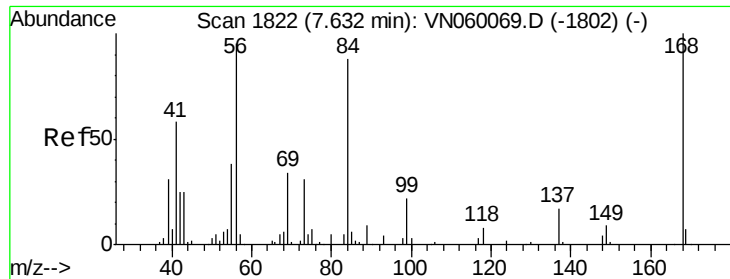
Tgt Ion: 83 Resp: 4342

Ion Ratio Lower Upper

83 100

85 62.2 51.4 77.0

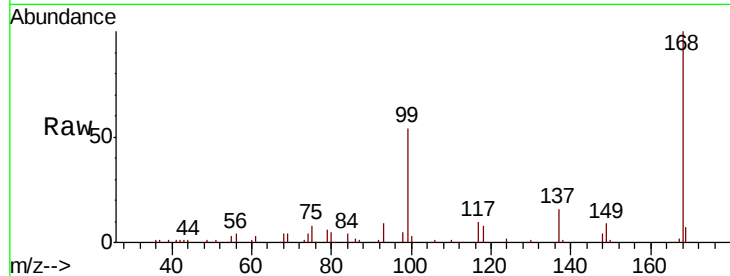




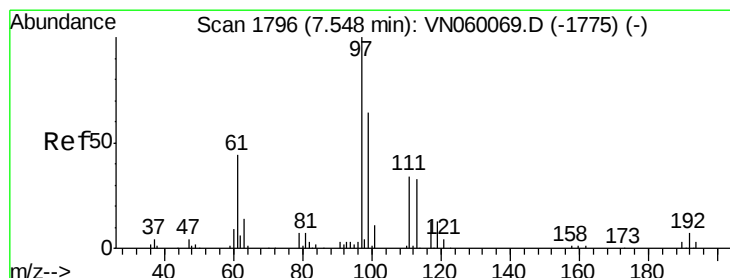
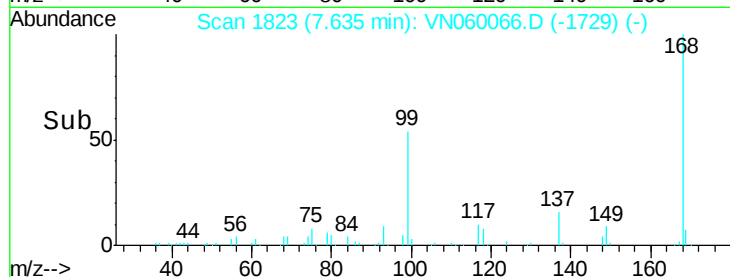
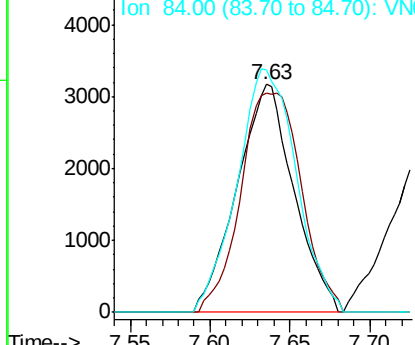
#31
Cyclohexane
Concen: 2.082 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 7739
Ion Ratio Lower Upper
56 100
69 96.2 28.3 42.5#
84 106.3 72.6 108.8

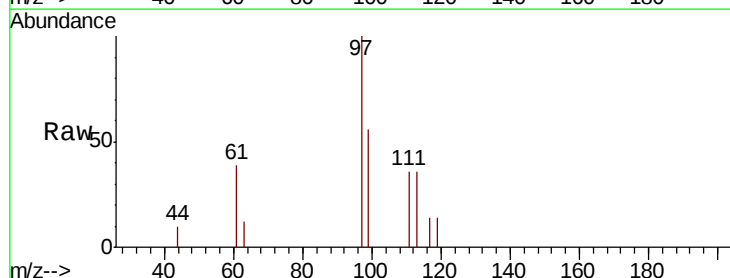


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

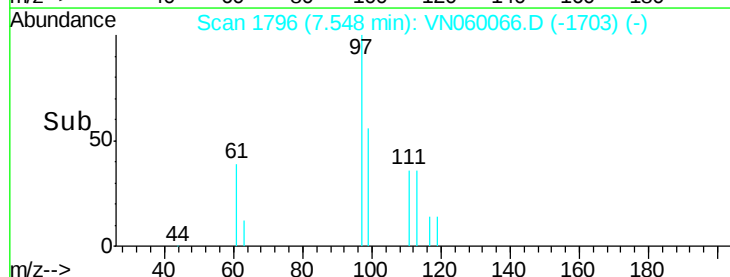
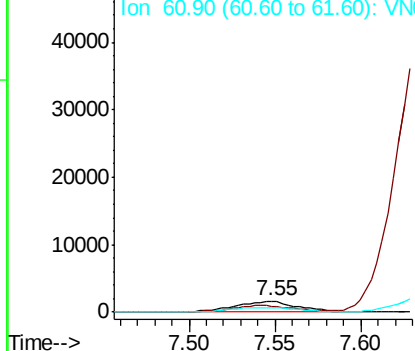


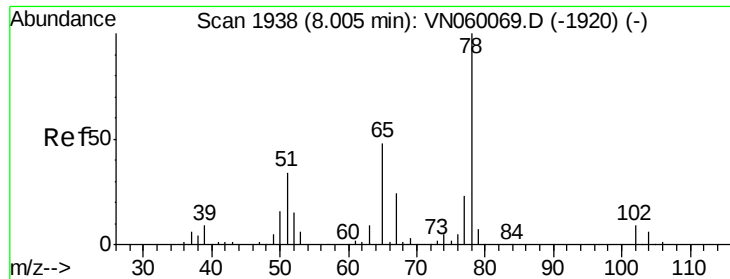
#32
1,1,1-Trichloroethane
Concen: 1.057 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 97 Resp: 3919
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 44.5 34.9 52.3



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

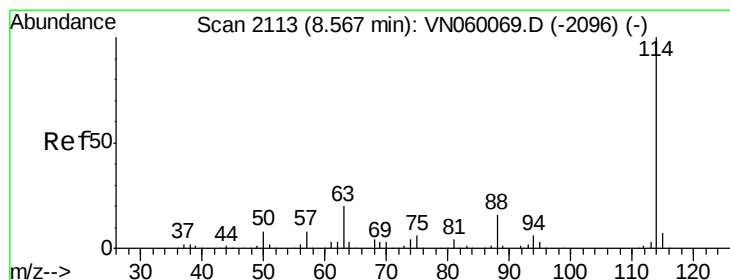
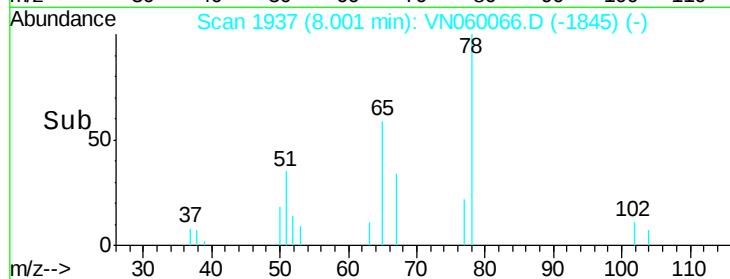
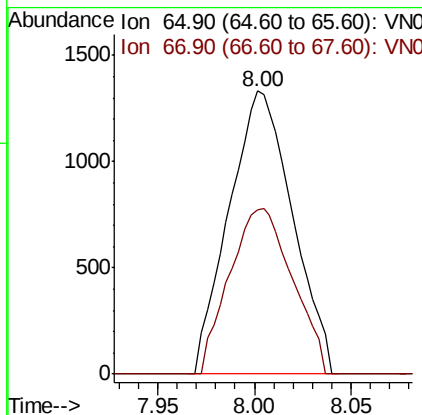
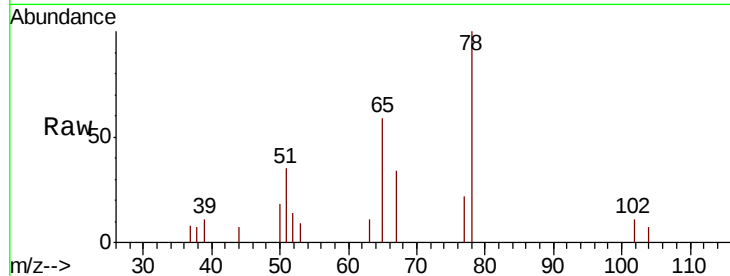




#33
 1,2-Dichloroethane-d4
 Concen: 1.204 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

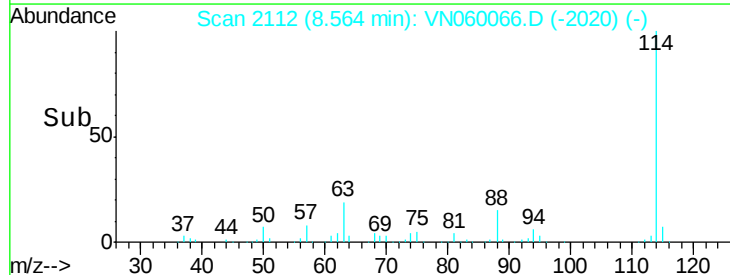
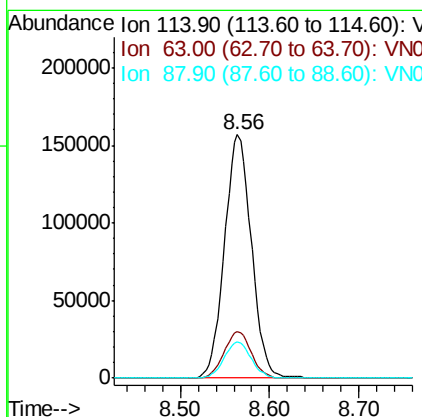
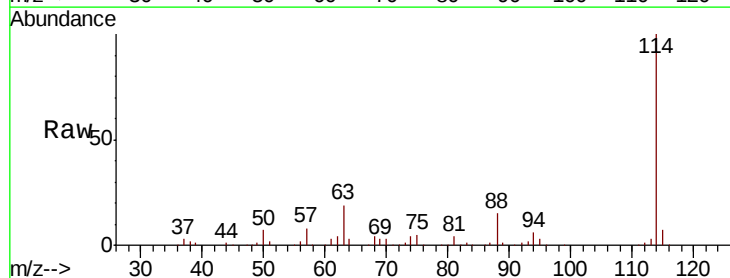
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 65 Resp: 3038
 Ion Ratio Lower Upper
 65 100
 67 58.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion: 114 Resp: 327350
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 15.0 0.0 31.6

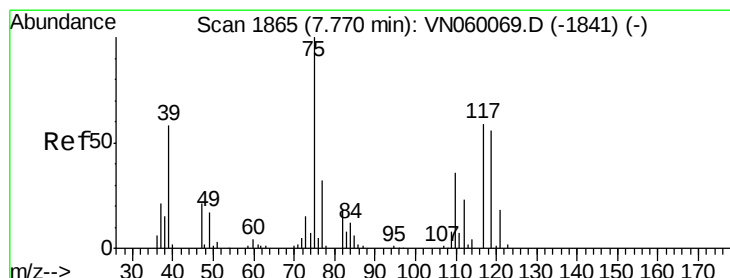
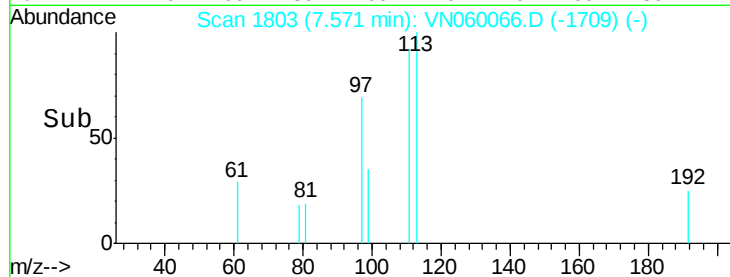
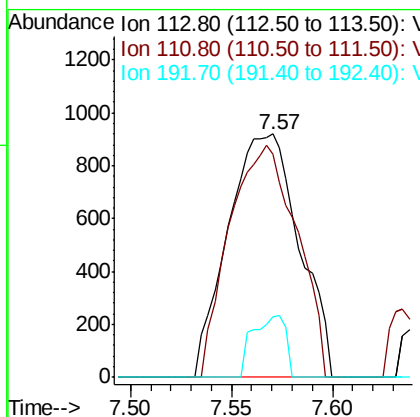
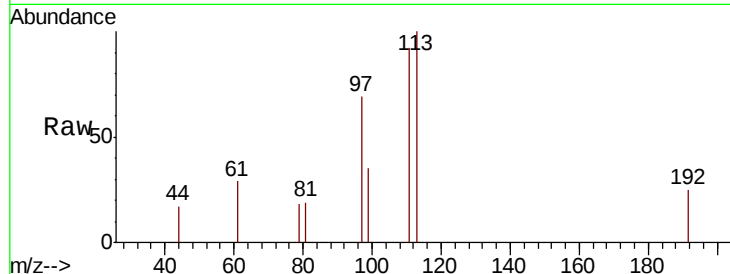




#35
 Dibromofluoromethane
 Concen: 1.157 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

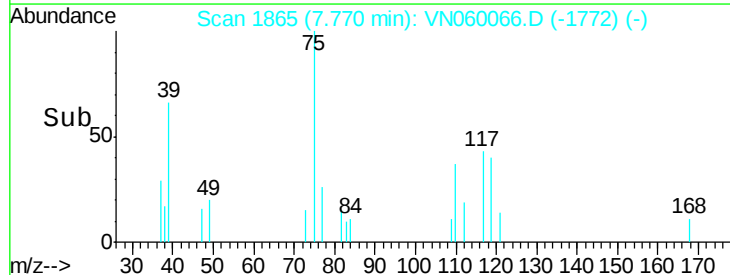
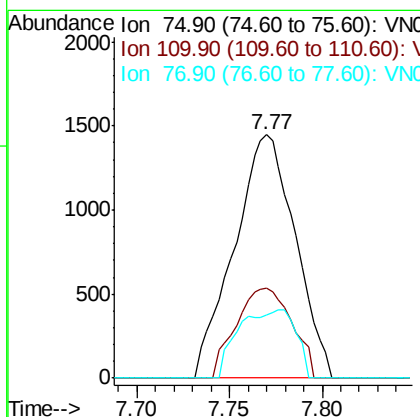
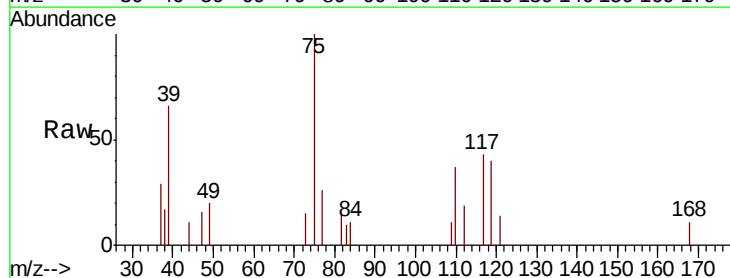
Instrument :
 MSVOA_N
 ClientSampleId :

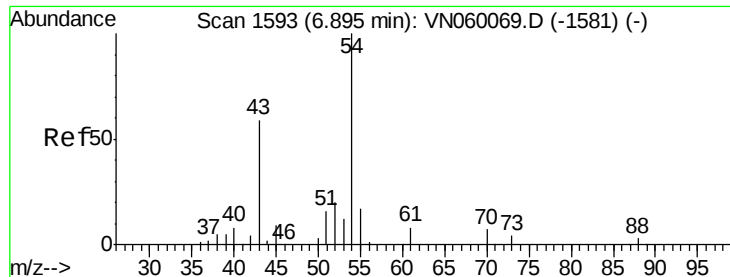
Tot Ion:113 Resp: 2259
 Ion Ratio Lower Upper
 113 100
 111 90.2 81.4 122.2
 192 11.8 16.2 24.2#



#36
 1,1-Dichloropropene
 Concen: 1.090 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion: 75 Resp: 3303
 Ion Ratio Lower Upper
 75 100
 110 33.8 18.1 54.3
 77 26.2 25.1 37.7

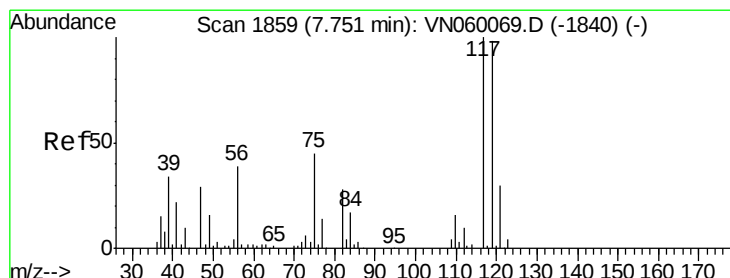
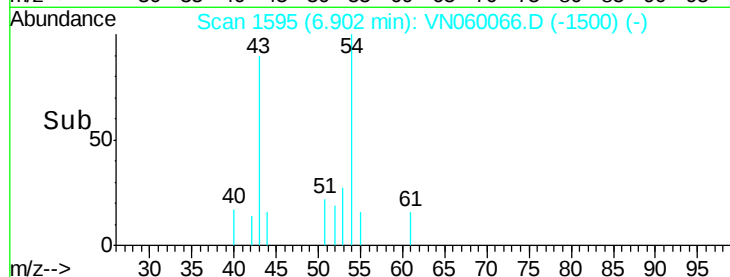
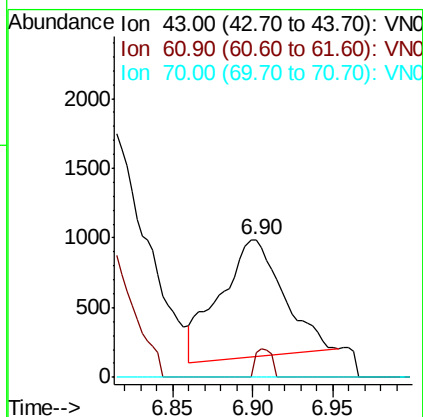
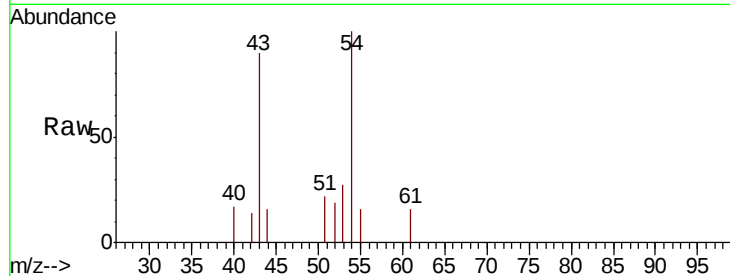




#37
Ethyl Acetate
Concen: 0.851 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

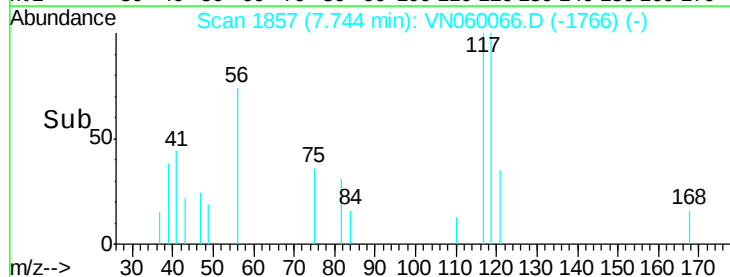
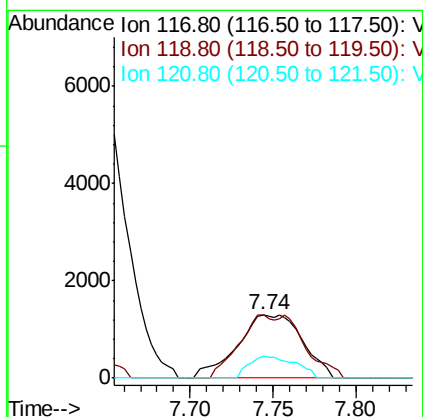
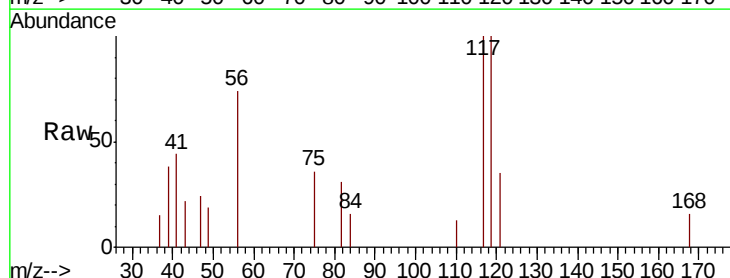
Instrument :
MSVOA_N
ClientSampled :

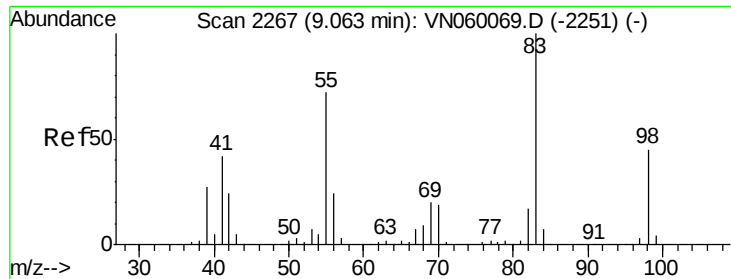
Tot Ion: 43 Resp: 2264
Ion Ratio Lower Upper
43 100
61 6.4 11.4 17.2#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 1.077 ug/l
RT: 7.74 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 117 Resp: 3542
Ion Ratio Lower Upper
117 100
119 100.2 78.2 117.4
121 34.7 24.2 36.2

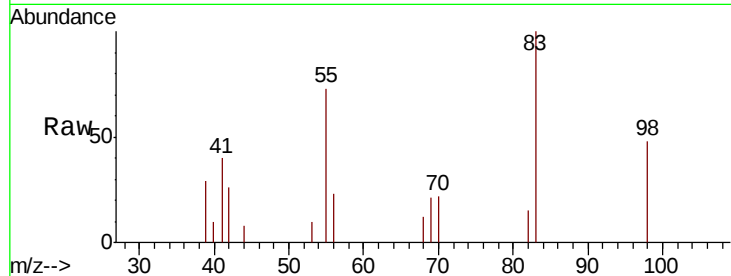




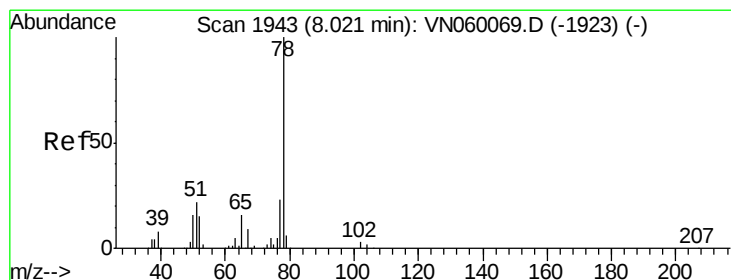
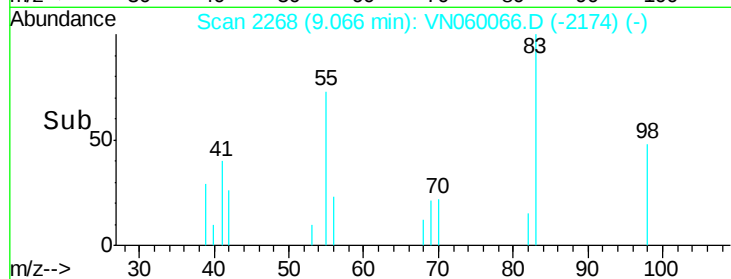
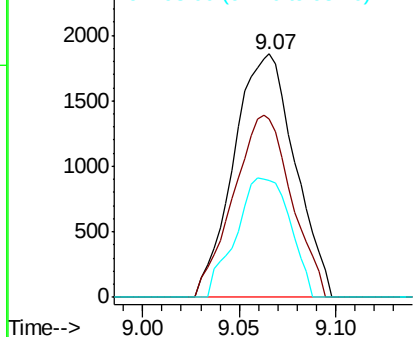
#39
Methvlcvclohexane
Concen: 1.087 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 4080
Ion Ratio Lower Upper
83 100
55 73.3 57.8 86.8
98 48.2 36.4 54.6

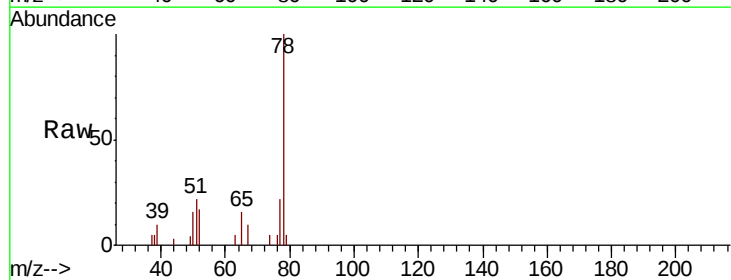


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

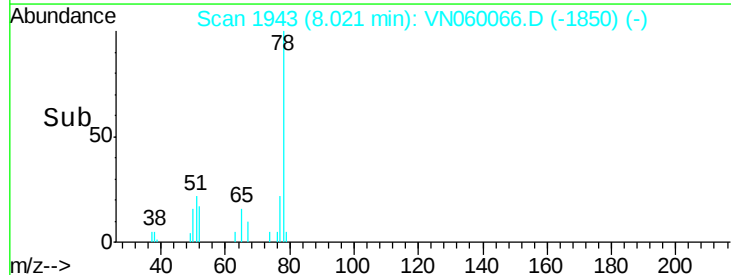
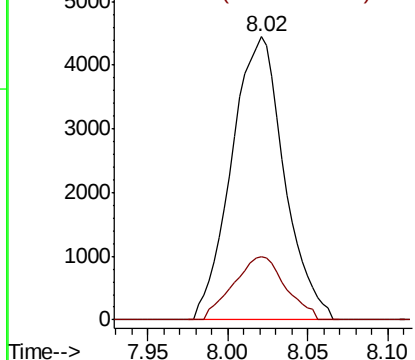


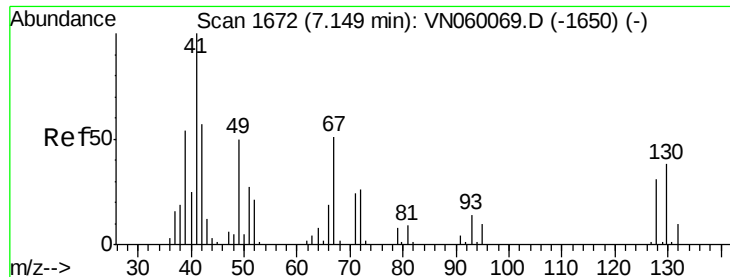
#40
Benzene
Concen: 1.106 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 78 Resp: 10016
Ion Ratio Lower Upper
78 100
77 22.2 18.8 28.2



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

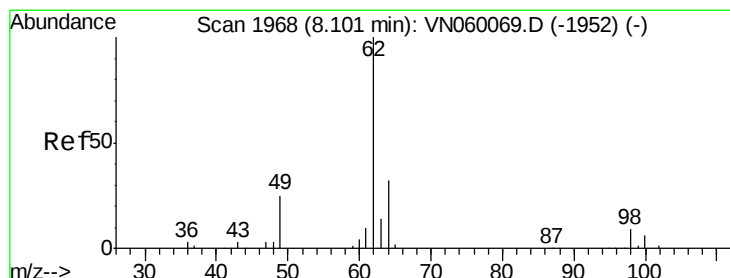
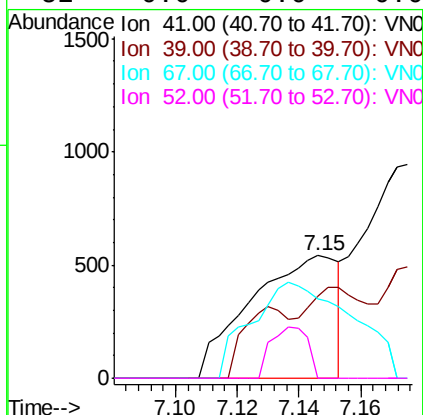
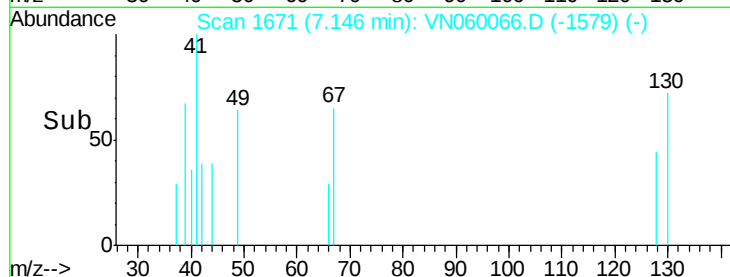
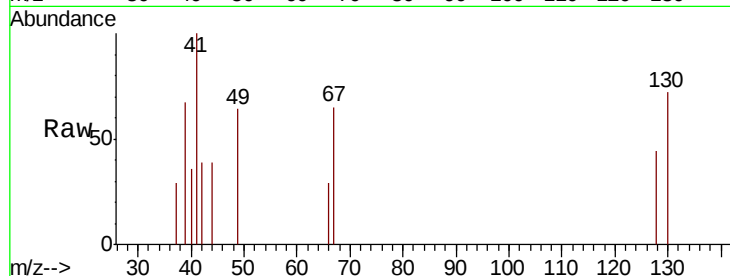




#41
Methacrylonitrile
Concen: 0.607 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

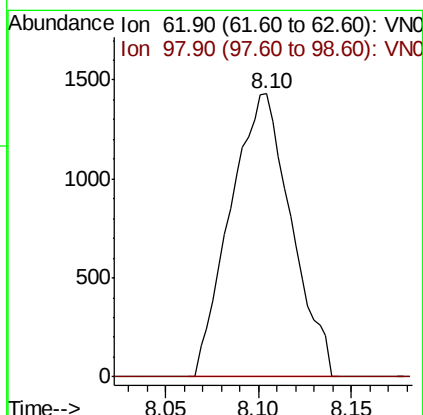
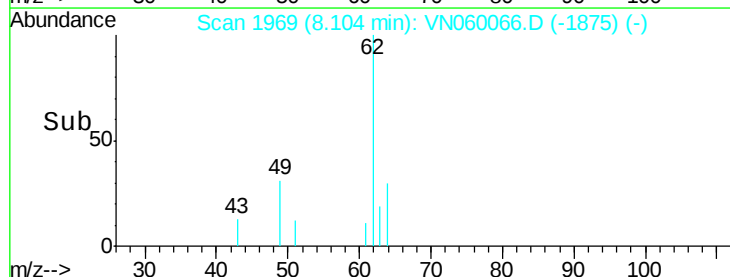
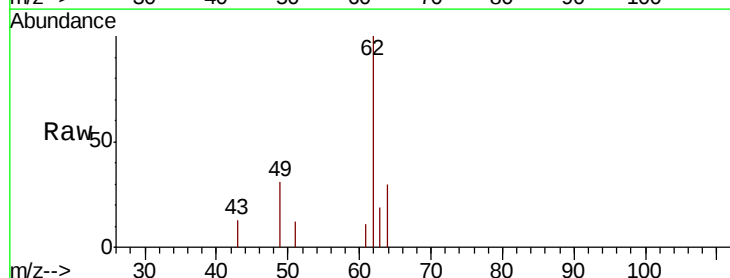
Instrument :
MSVOA_N
ClientSampled :

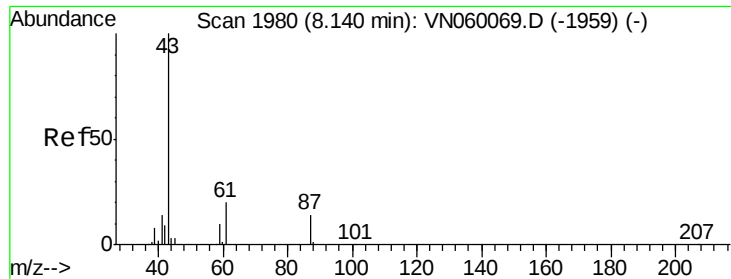
Tot Ion:	41	Resp:	1060
Ion	Ratio	Lower	Upper
41	100		
39	19.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 1.040 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion:	62	Resp:	3263
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 0.977 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

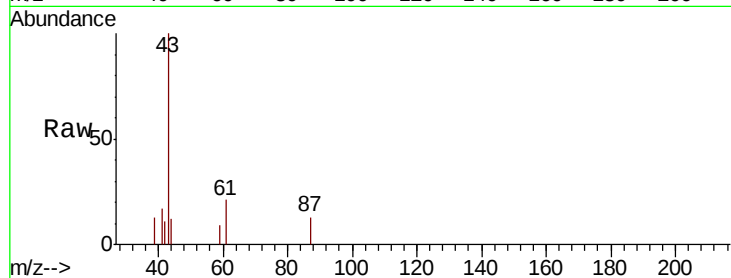
Tot Ion: 43 Resp: 4463

Ion Ratio Lower Upper

43 100

61 28.0 21.8 32.6

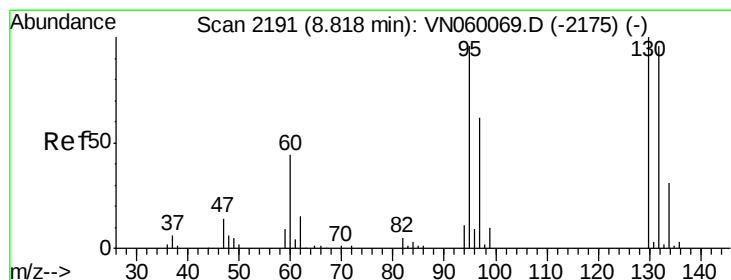
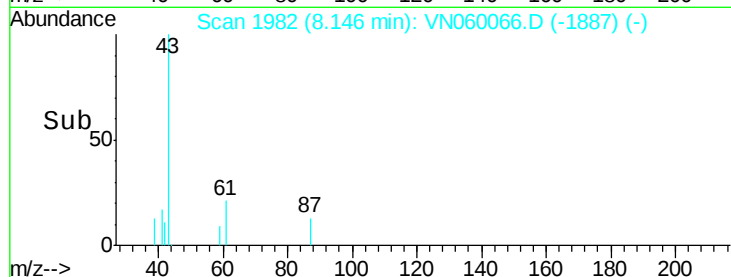
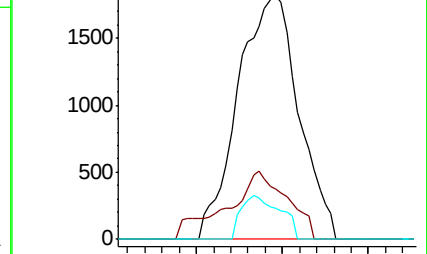
87 11.6 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060066.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060066.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060066.D (-1887) (-)



#44

Trichloroethene

Concen: 1.083 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060066.D

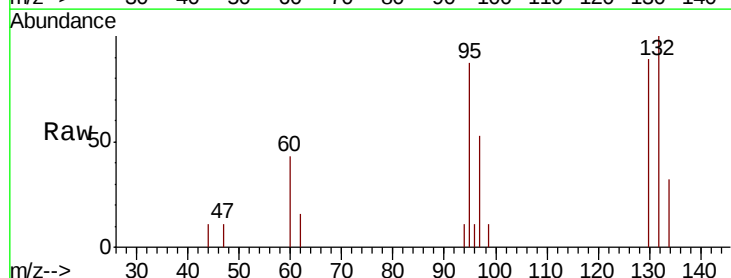
Acq: 12 Feb 2020 11:19

Tgt Ion: 130 Resp: 2722

Ion Ratio Lower Upper

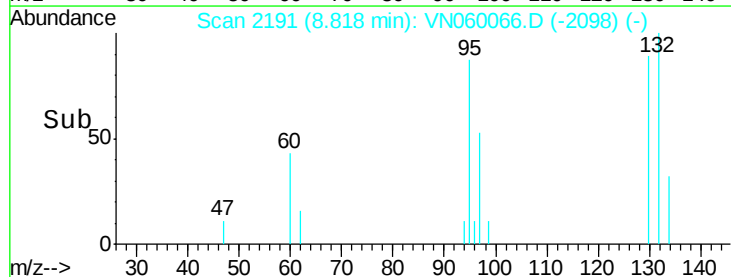
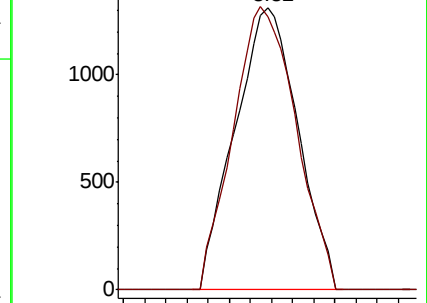
130 100

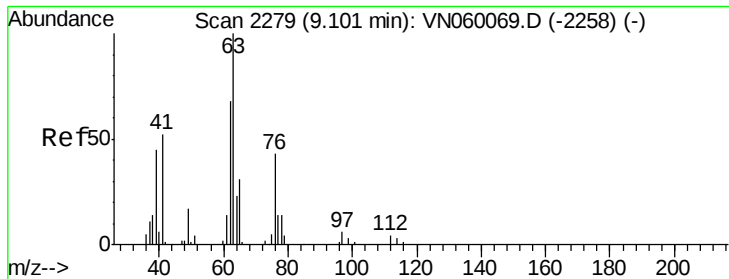
95 97.0 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060066.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060066.D (-2098) (-)

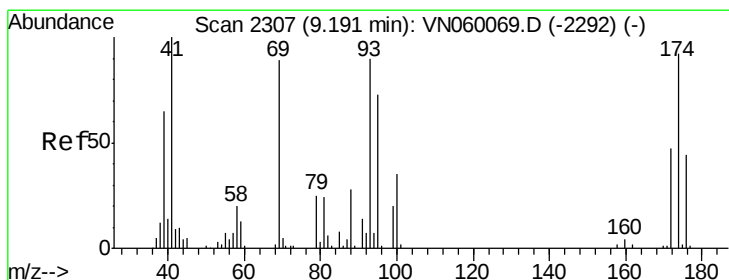
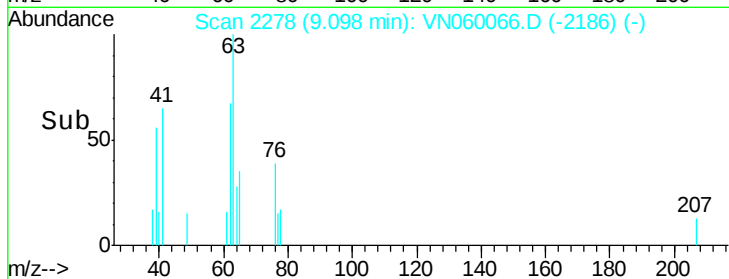
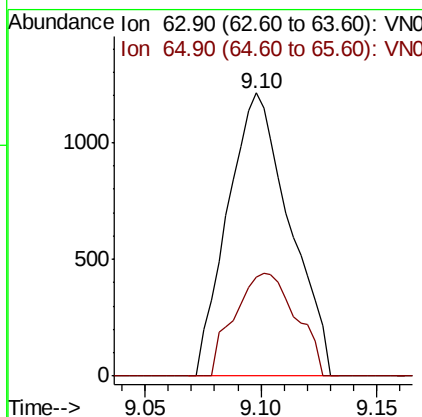
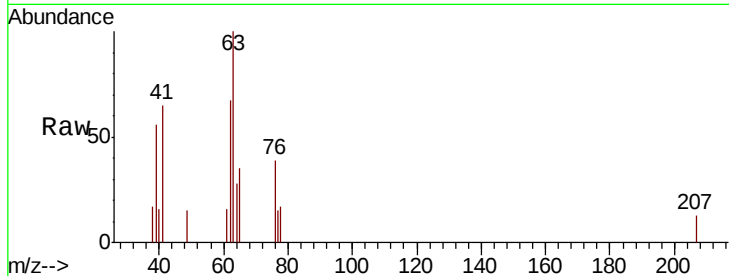




#45
 1,2-Dichloropropane
 Concen: 1.014 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

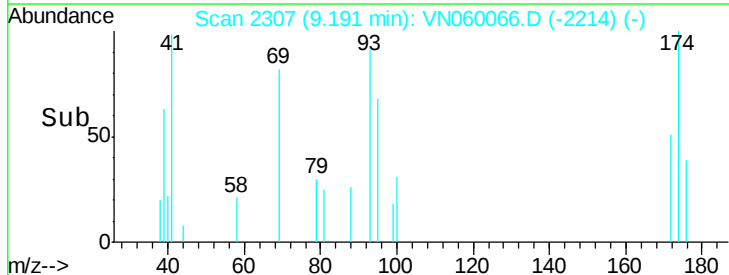
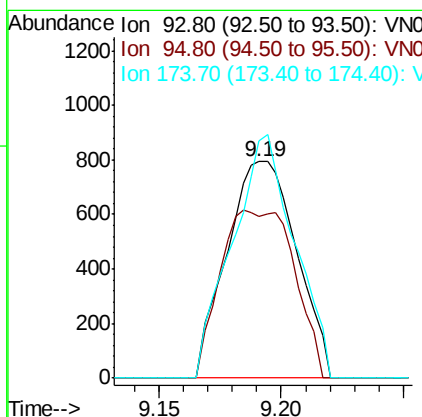
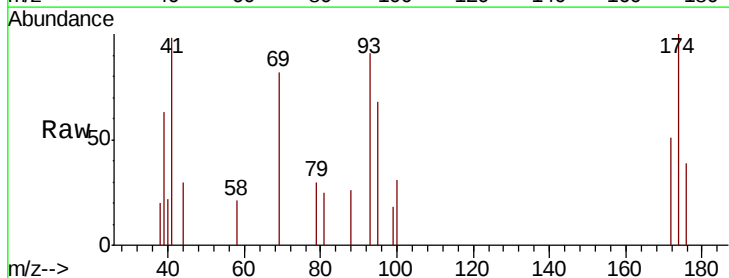
Instrument :
 MSVOA_N
 ClientSampled :

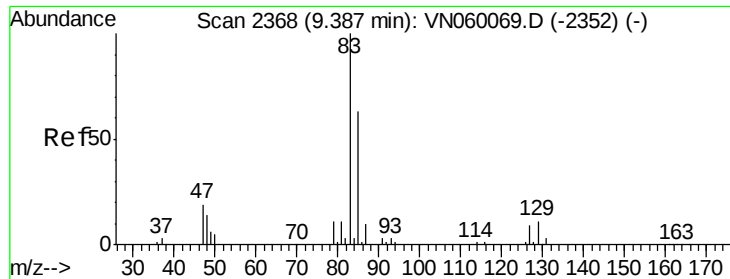
Tot Ion: 63 Resp: 2253
 Ion Ratio Lower Upper
 63 100
 65 35.0 25.0 37.4



#46
 Dibromomethane
 Concen: 1.007 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion: 93 Resp: 1572
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.0 97.6
 174 100.6 82.3 123.5





#47

Bromodichloromethane

Concen: 1.040 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

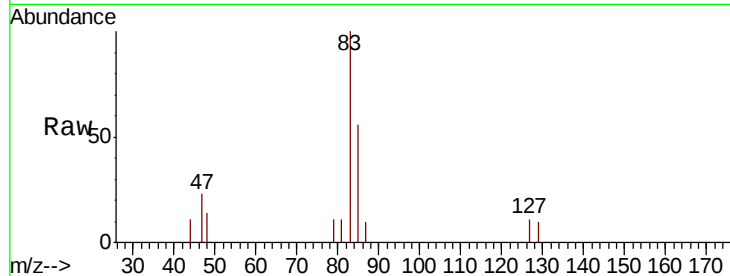
Tot Ion: 83 Resp: 3296

Ion Ratio Lower Upper

83 100

85 55.9 50.6 75.8

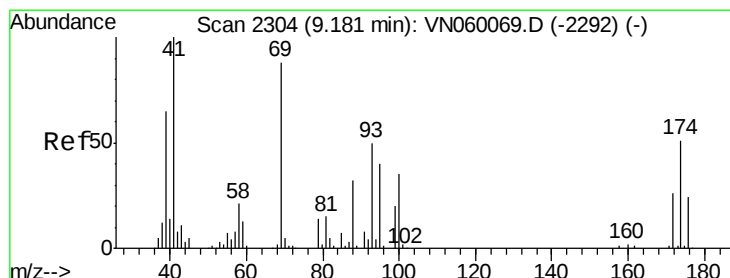
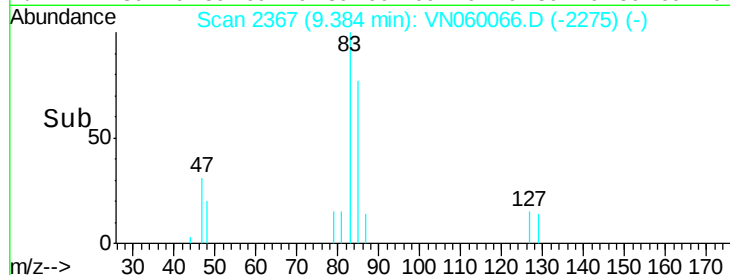
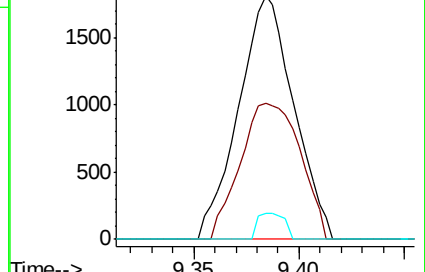
127 10.6 7.0 10.6#



Abundance Ion 82.90 (82.60 to 83.60): VN060066.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060066.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060066.D (-2275) (-)



#48

Methyl methacrylate

Concen: 1.063 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

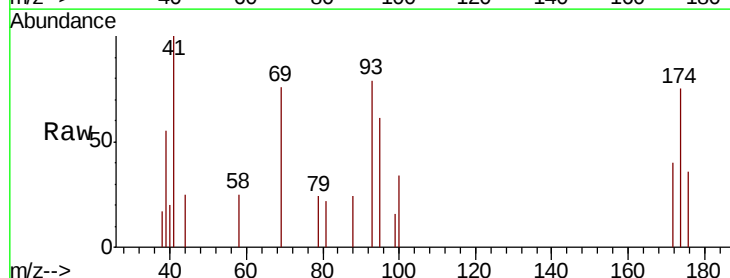
Tgt Ion: 41 Resp: 2152

Ion Ratio Lower Upper

41 100

69 75.7 72.0 108.0

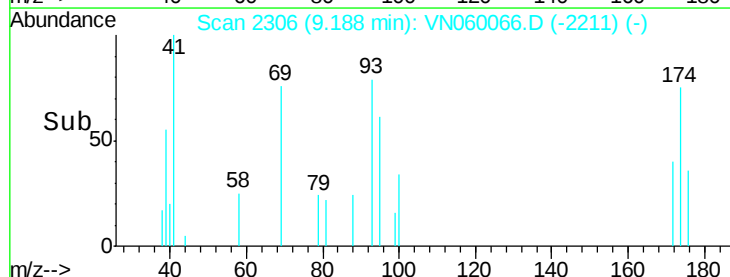
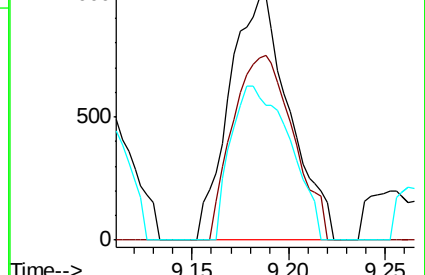
39 61.6 54.1 81.1

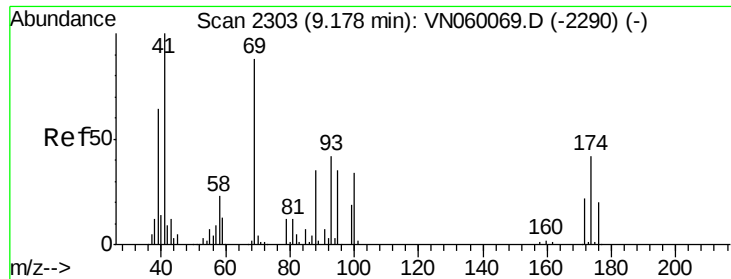


Abundance Ion 41.00 (40.70 to 41.70): VN060066.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060066.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060066.D (-2211) (-)

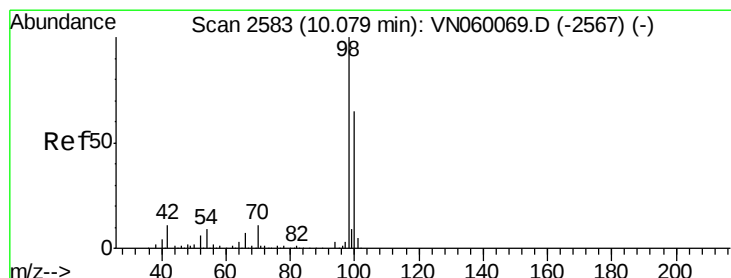
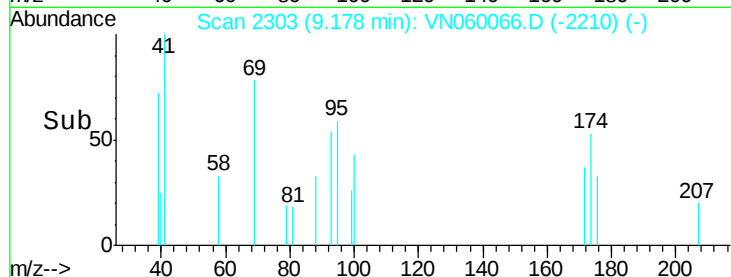
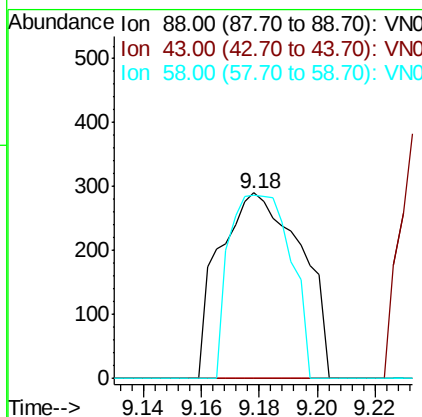
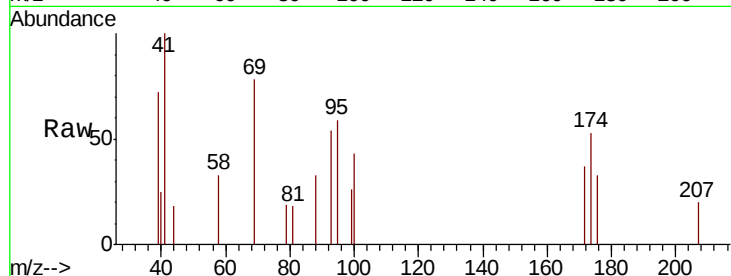




#49
 1,4-Dioxane
 Concen: 16.600 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

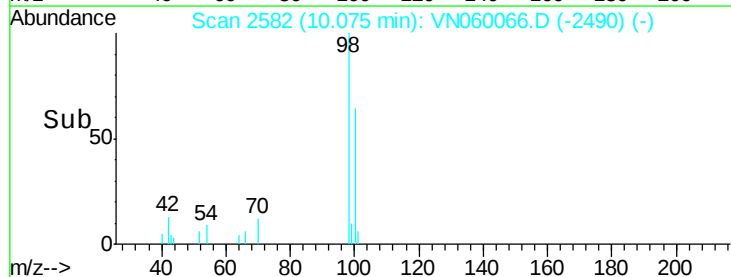
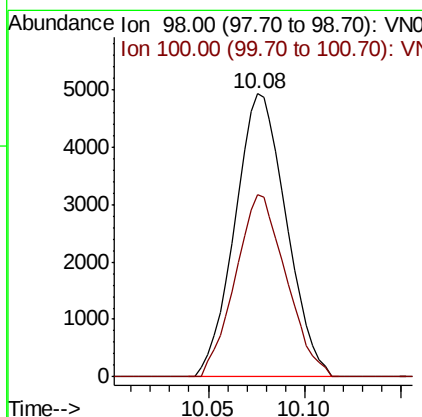
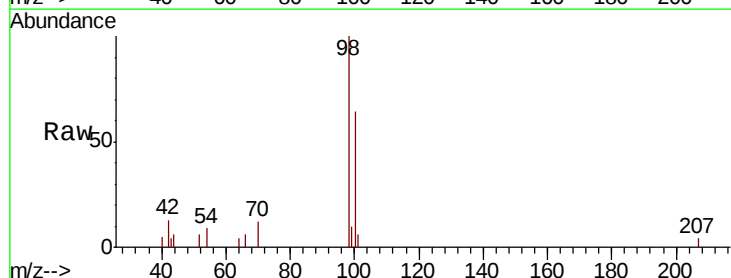
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 564
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.2 39.2#
 58 74.3 53.2 79.8



#50
 Toluene-d8
 Concen: 1.174 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion: 98 Resp: 9091
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 4.807 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

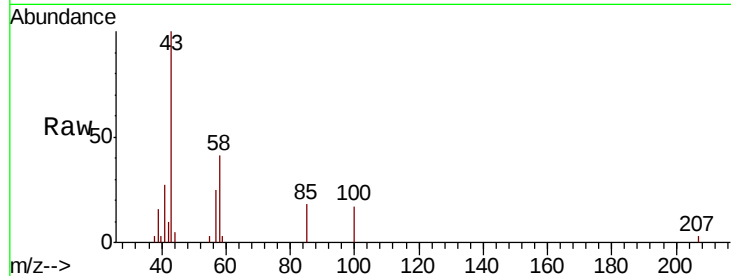
ClientSampled :

Tot Ion: 43 Resp: 12622

Ion Ratio Lower Upper

43 100

58 38.2 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

6000

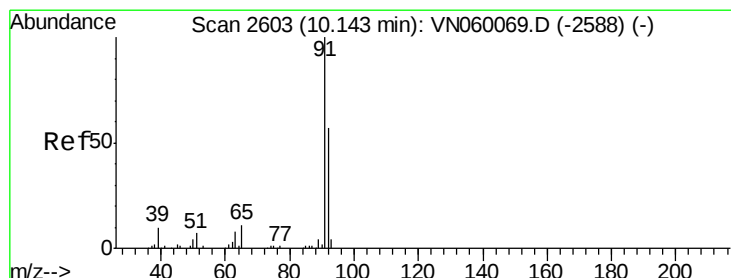
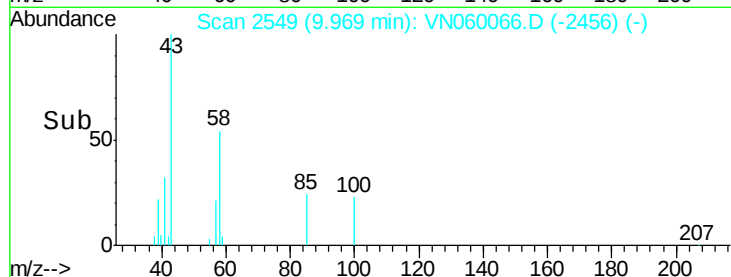
4000

2000

0

Time-->

9.90 9.95 10.00 10.05



#52

Toluene

Concen: 1.069 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060066.D

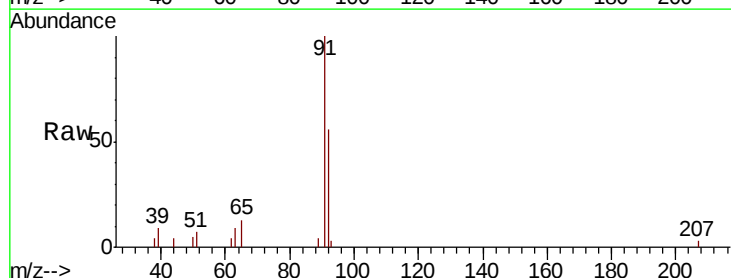
Acq: 12 Feb 2020 11:19

Tgt Ion: 92 Resp: 6109

Ion Ratio Lower Upper

92 100

91 174.9 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)

10.14

6000

5000

4000

3000

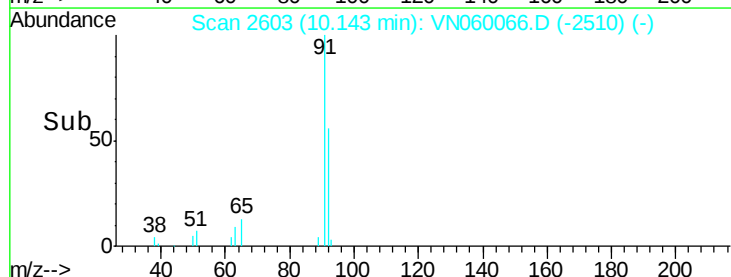
2000

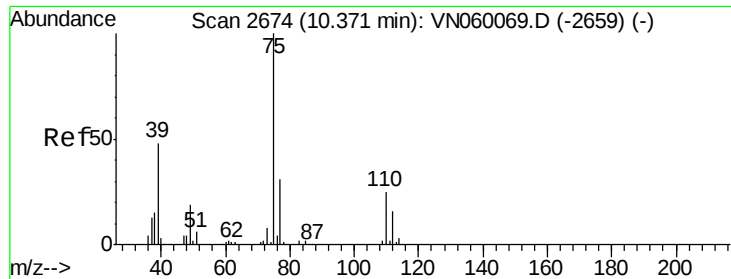
1000

0

Time-->

10.10 10.15 10.20

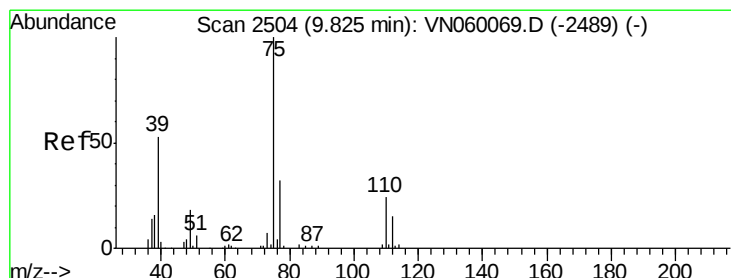
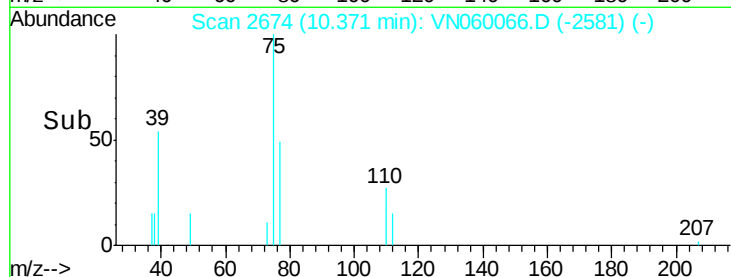
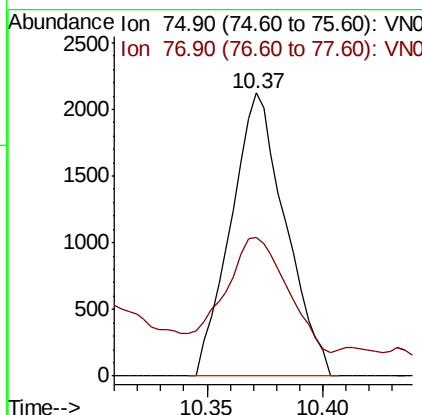
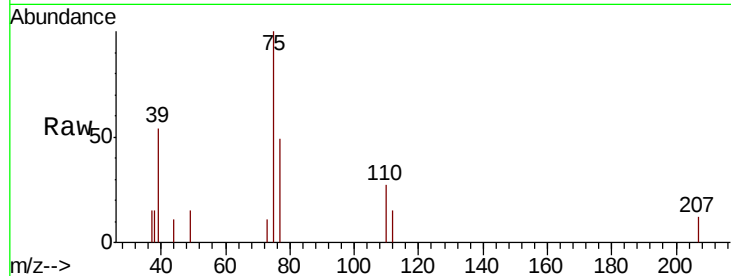




#53
 t-1,3-Dichloropropene
 Concen: 0.986 ug/l
 RT: 10.37 min Scan# 2674
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

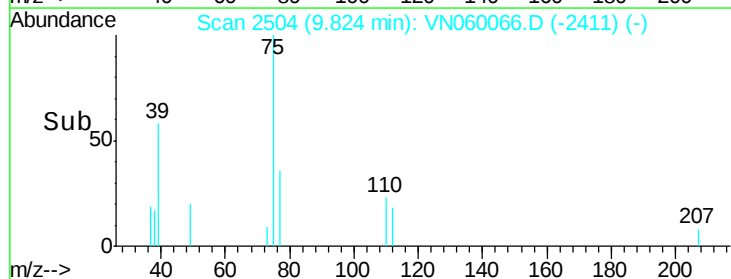
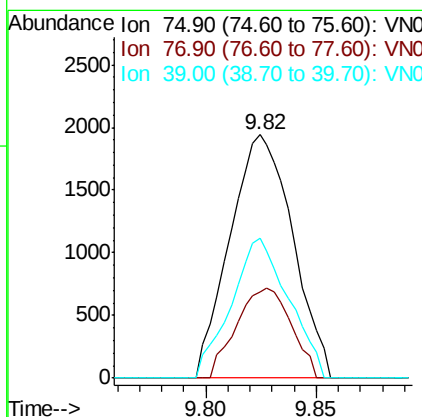
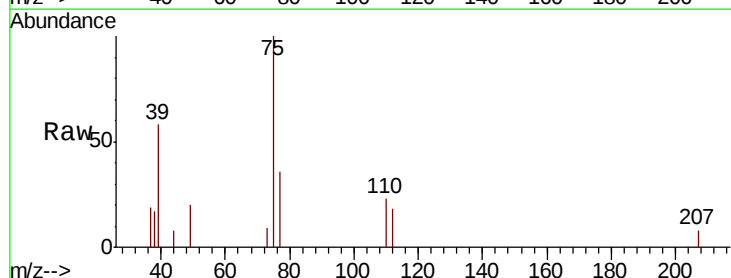
Instrument :
 MSVOA_N
 ClientSampleId :

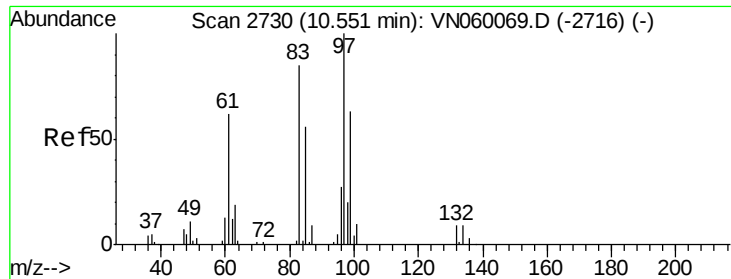
Tot Ion: 75 Resp: 3457
 Ion Ratio Lower Upper
 75 100
 77 40.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 1.019 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion: 75 Resp: 3818
 Ion Ratio Lower Upper
 75 100
 77 35.6 25.6 38.4
 39 57.5 42.2 63.4

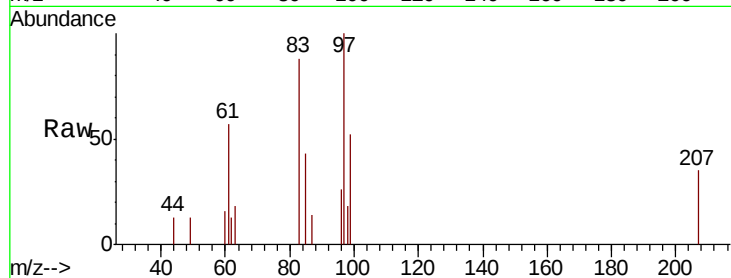




#55
 1,1,2-Trichloroethane
 Concen: 1.065 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.4	67.9	101.9
85	42.5	44.6	67.0
99	52.3	50.1	75.1



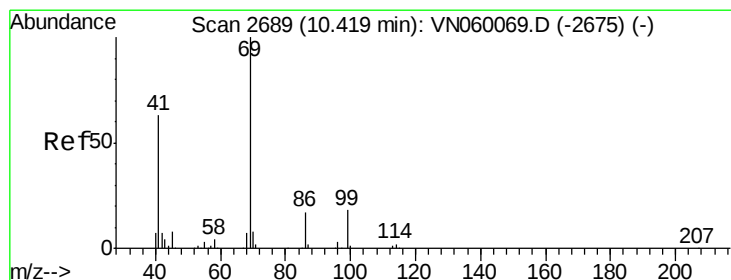
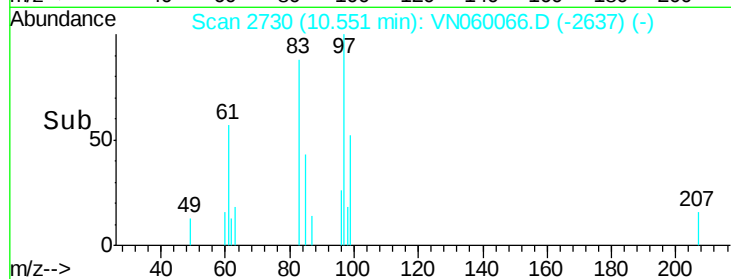
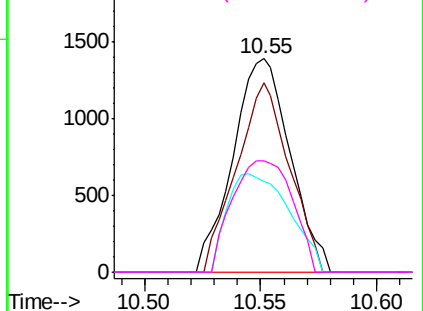
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

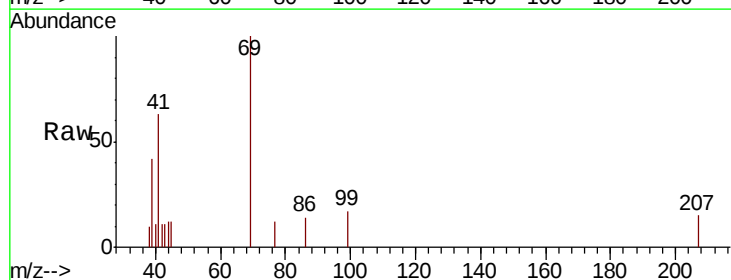
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 0.953 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.1	76.7
39	47.8	33.8	50.8

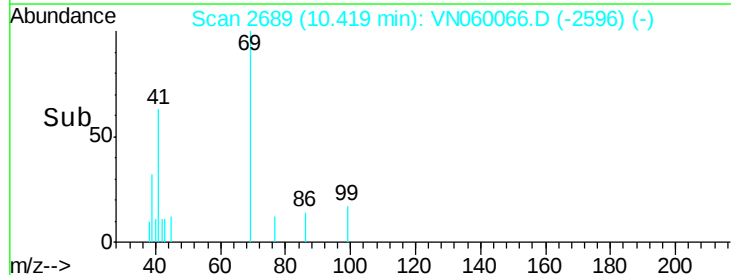
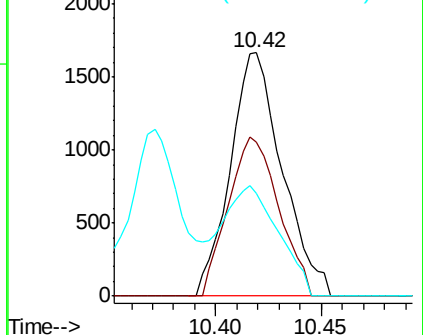


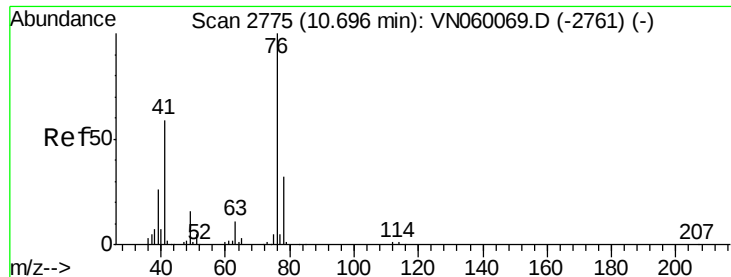
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.082 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

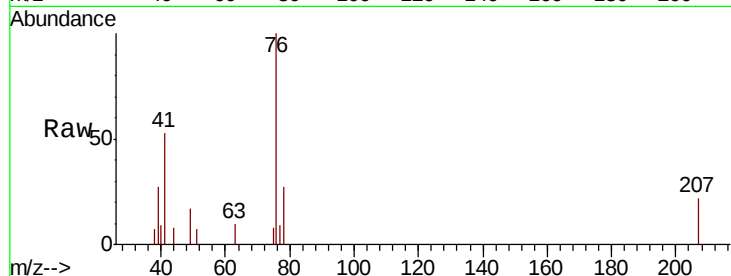
ClientSampled :

Tot Ion: 76 Resp: 4016

Ion Ratio Lower Upper

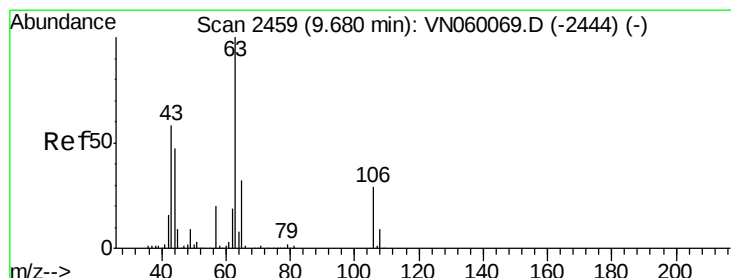
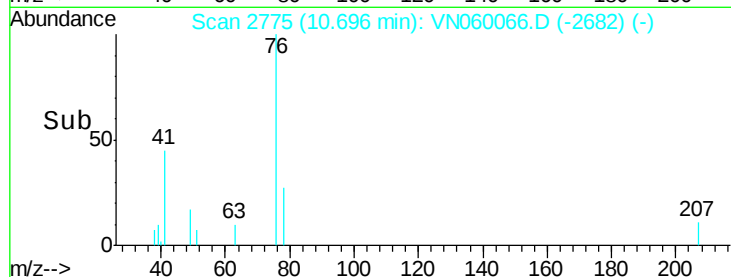
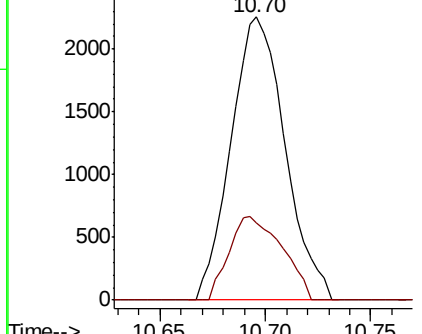
76 100

78 28.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN060066.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060066.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 4.284 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060066.D

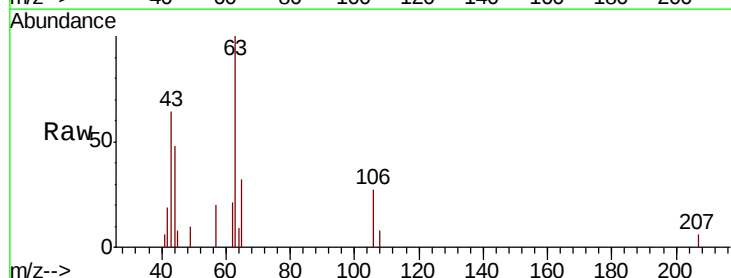
Acq: 12 Feb 2020 11:19

Tgt Ion: 63 Resp: 6034

Ion Ratio Lower Upper

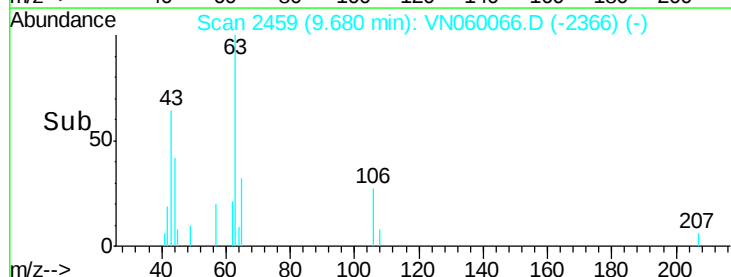
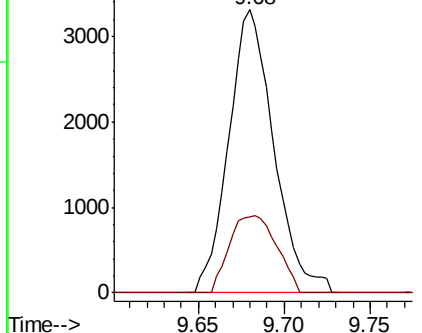
63 100

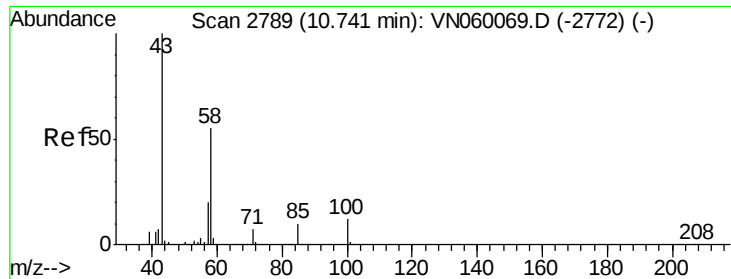
106 28.6 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN060066.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060066.D (-2366) (-)

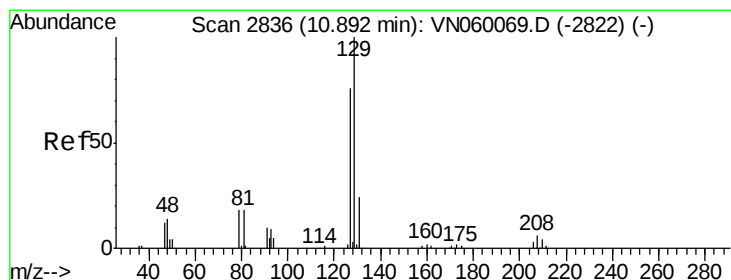
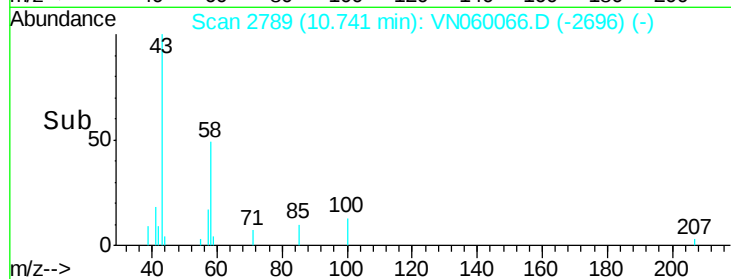
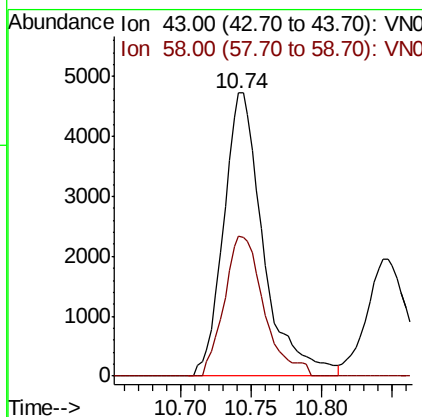
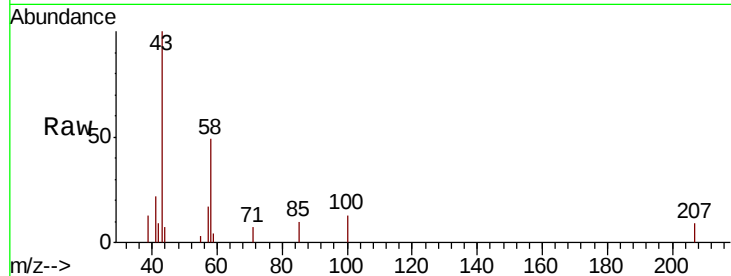




#59
2-Hexanone
Concen: 4.639 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

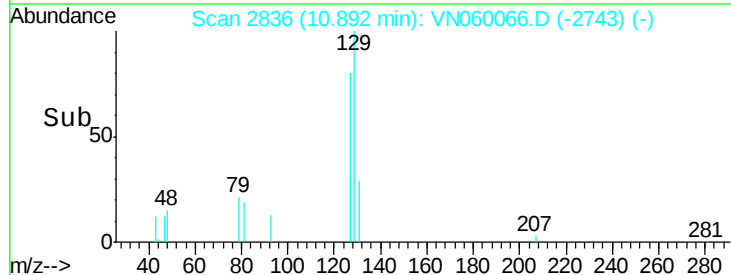
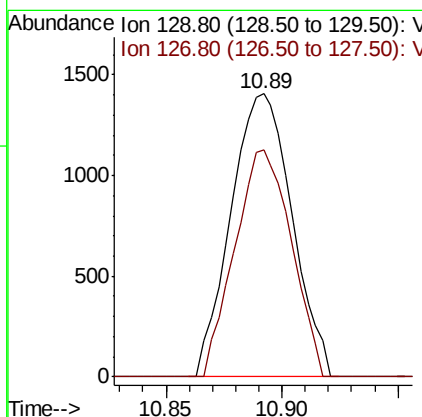
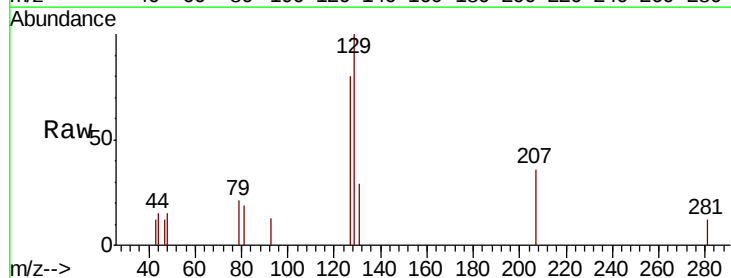
Instrument :
MSVOA_N
ClientSampled :

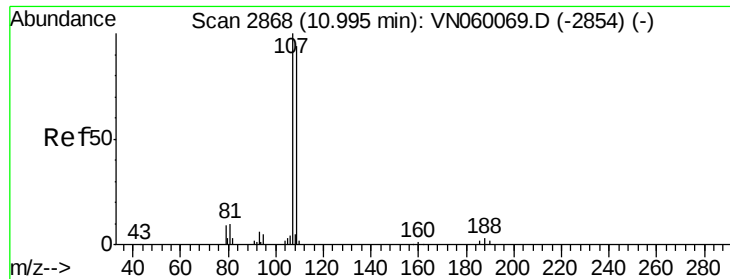
Tot Ion: 43 Resp: 9292
Ion Ratio Lower Upper
43 100
58 49.1 27.5 82.4



#60
Dibromochloromethane
Concen: 1.022 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 129 Resp: 2568
Ion Ratio Lower Upper
129 100
127 74.2 38.0 114.1

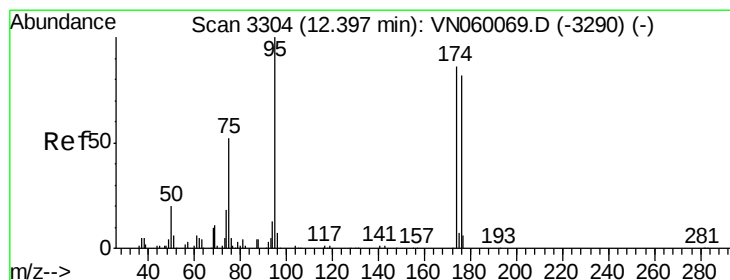
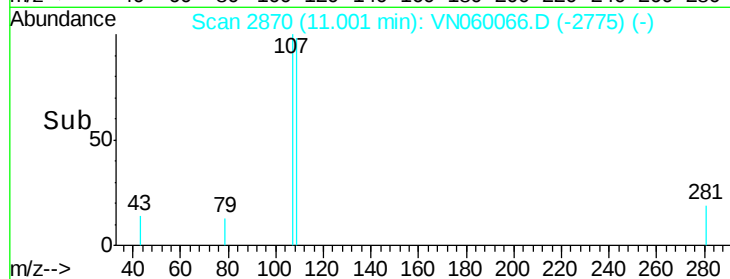
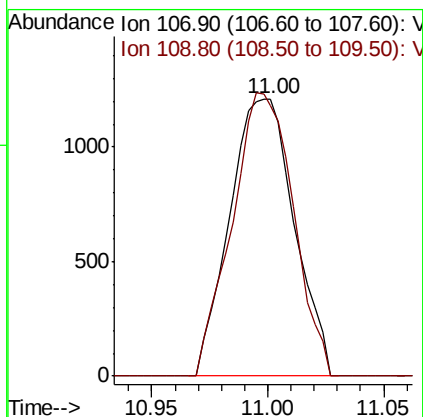
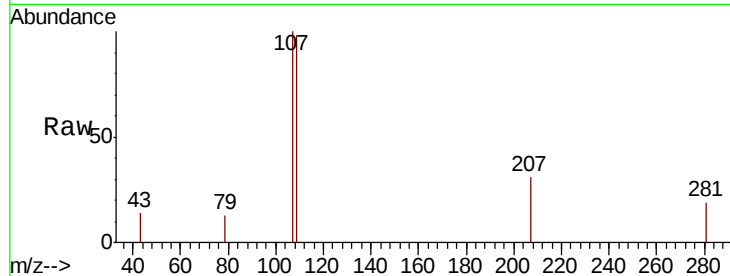




#61
 1,2-Dibromoethane
 Concen: 1.015 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.01 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

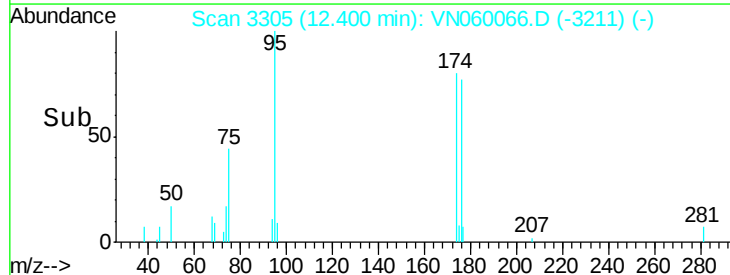
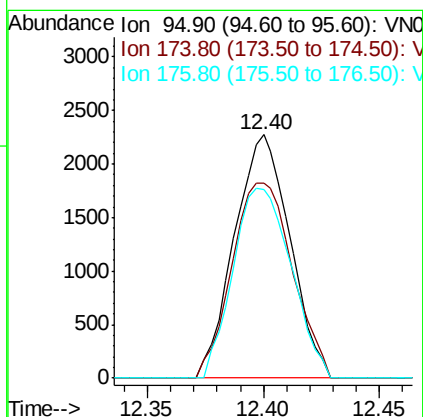
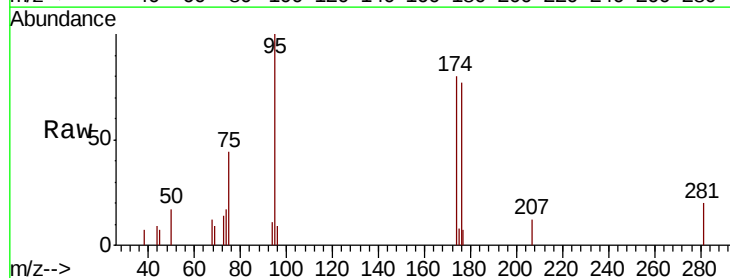
Instrument :
 MSVOA_N
 ClientSampled :

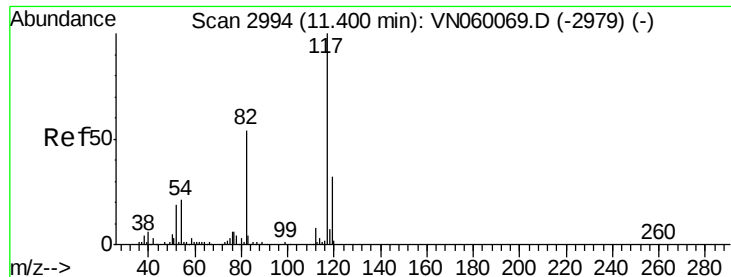
Tot Ion: 107 Resp: 2344
 Ion Ratio Lower Upper
 107 100
 109 96.9 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 1.357 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion: 95 Resp: 3772
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 169.8
 176 81.8 0.0 164.8

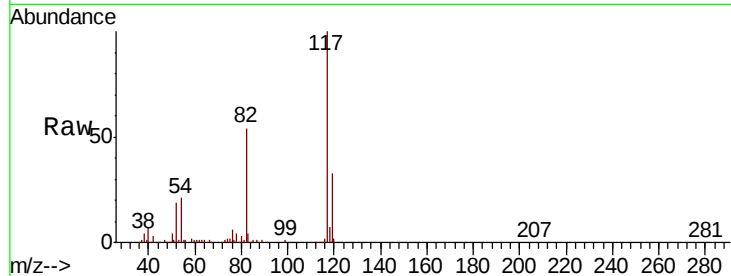




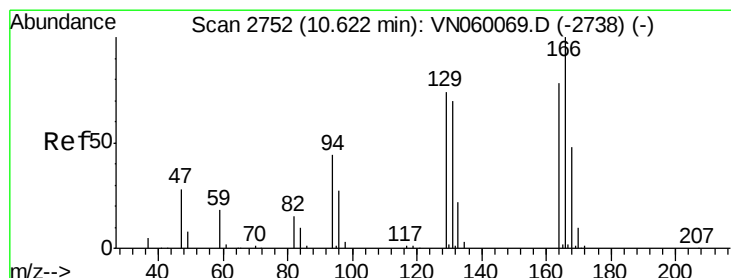
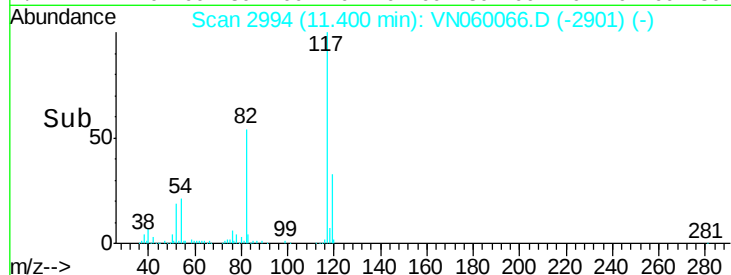
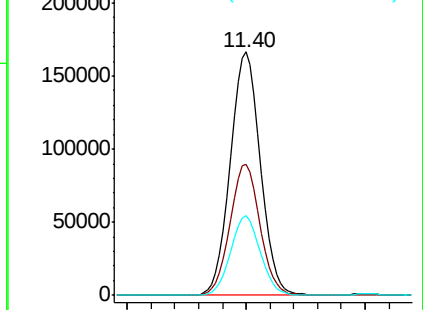
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 291580
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.6 25.8 38.6

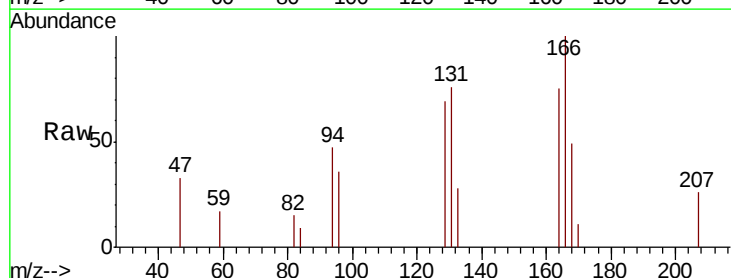


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

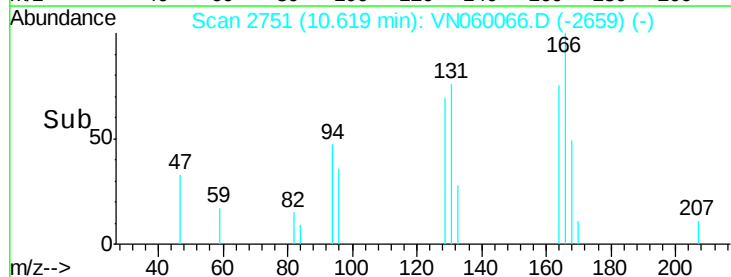
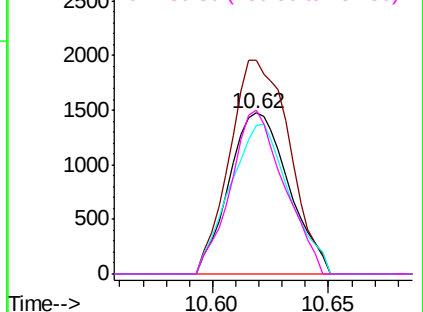


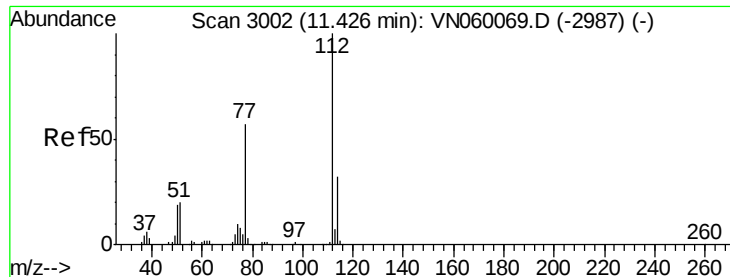
#64
Tetrachloroethene
Concen: 1.151 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion:164 Resp: 2632
Ion Ratio Lower Upper
164 100
166 132.8 101.9 152.9
129 92.3 75.4 113.0
131 101.6 71.4 107.2



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

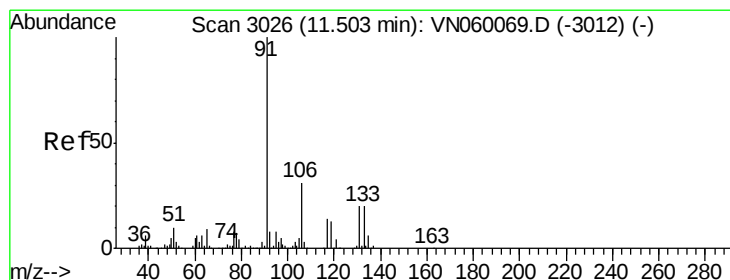
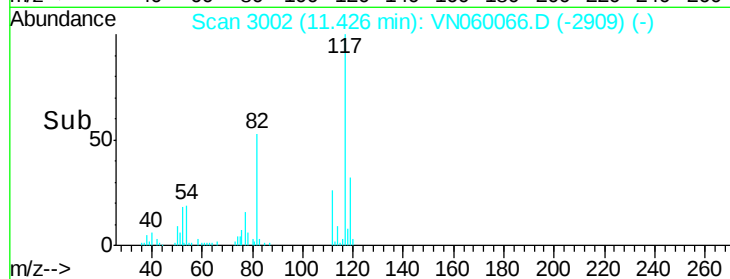
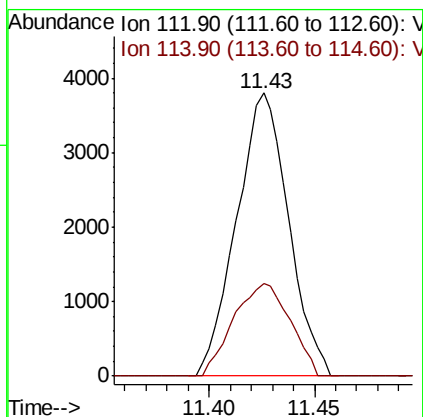
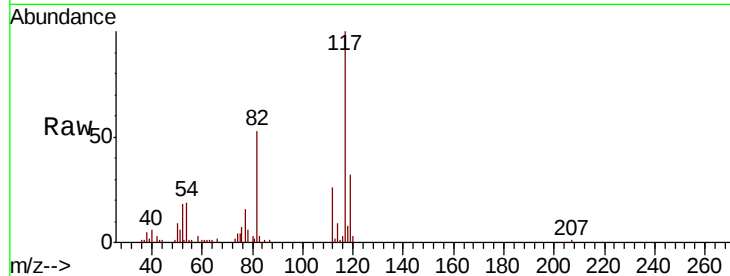




#65
Chlorobenzene
Concen: 1.090 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

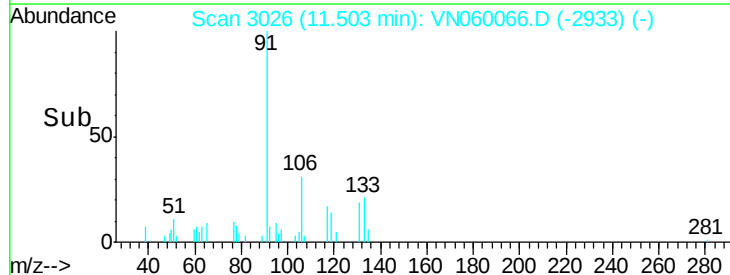
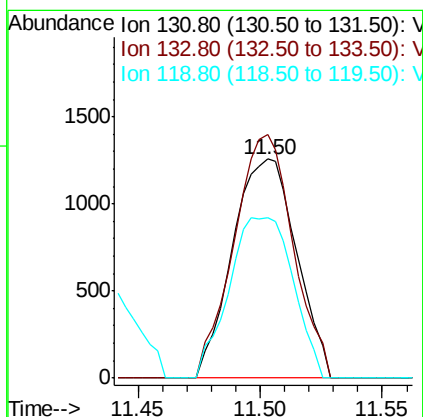
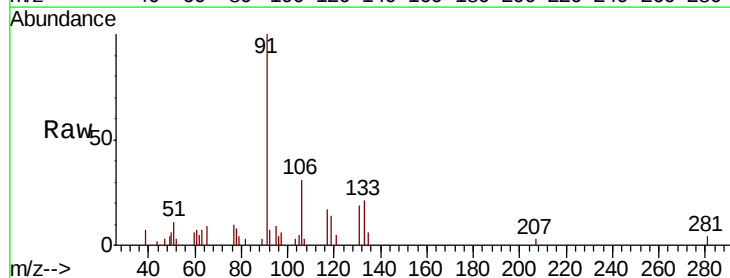
Instrument :
MSVOA_N
ClientSampled :

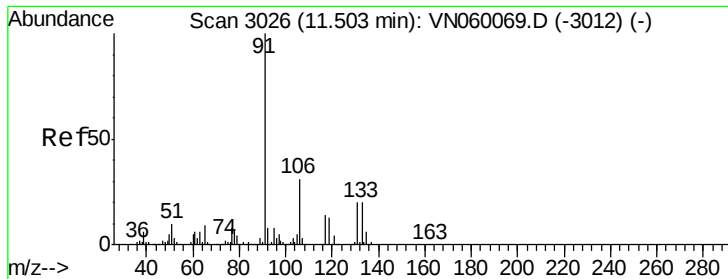
Tot Ion:112 Resp: 6504
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 1.025 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion:131 Resp: 2290
Ion Ratio Lower Upper
131 100
133 102.7 47.9 143.7
119 0.0 32.6 97.7#





#67

Ethyl Benzene

Concen: 1.097 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

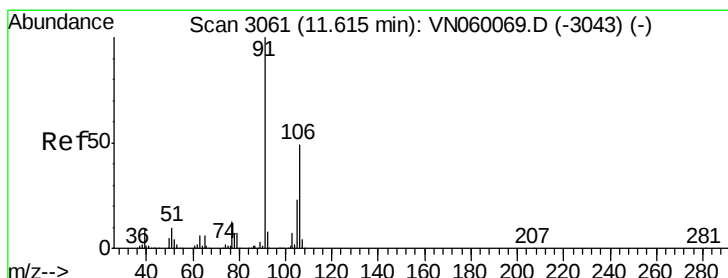
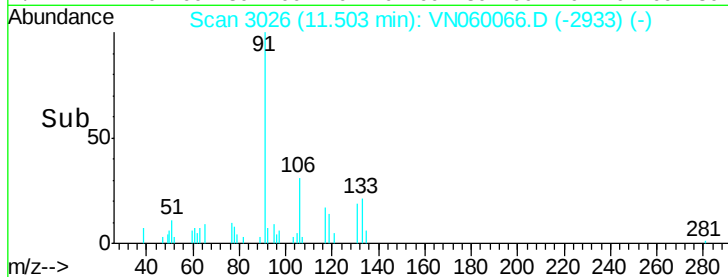
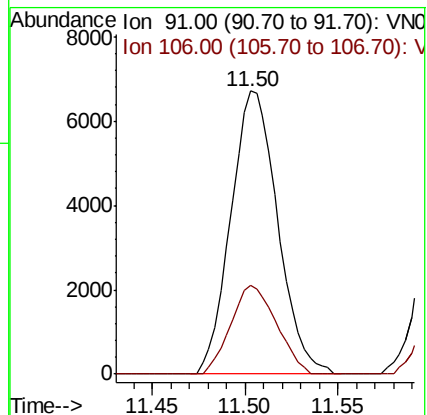
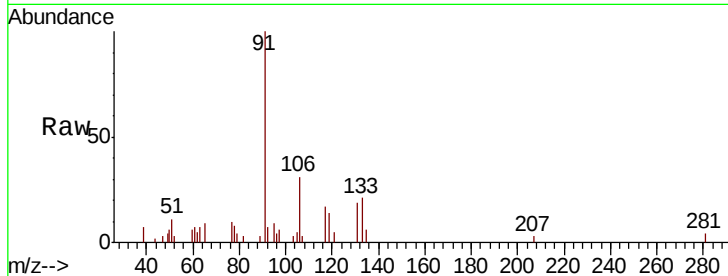
ClientSampleId :

Tot Ion: 91 Resp: 11780

Ion Ratio Lower Upper

91 100

106 31.2 25.1 37.7



#68

m/p-Xylenes

Concen: 2.136 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN060066.D

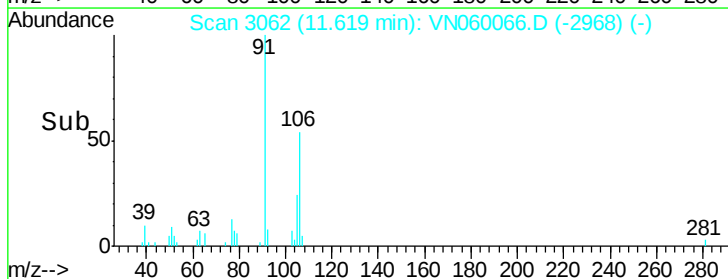
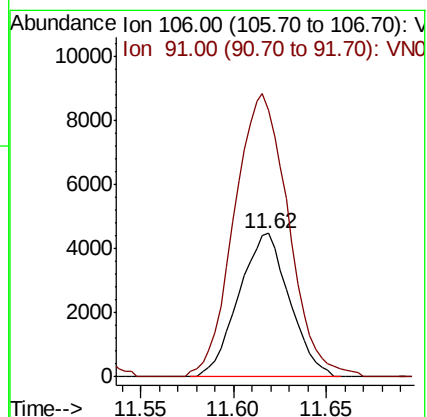
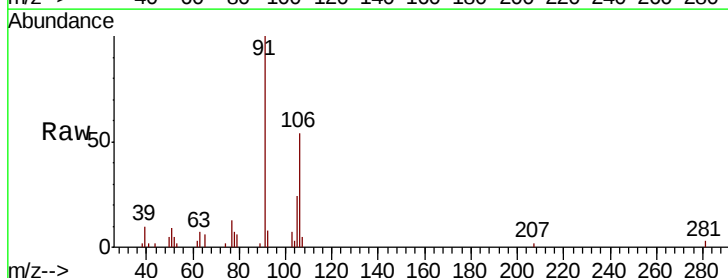
Acq: 12 Feb 2020 11:19

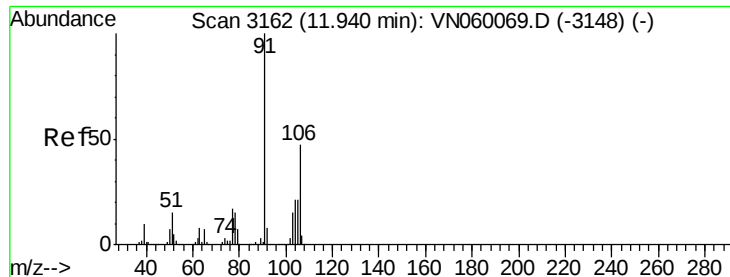
Tgt Ion: 106 Resp: 8532

Ion Ratio Lower Upper

106 100

91 211.1 162.7 244.1

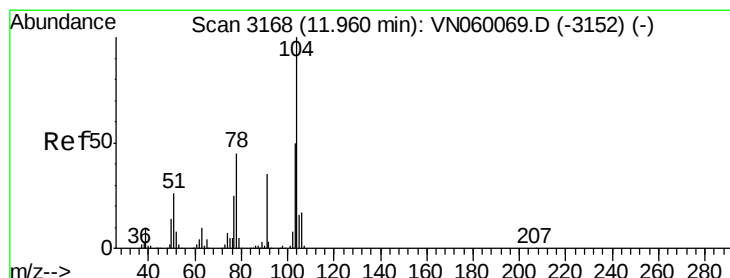
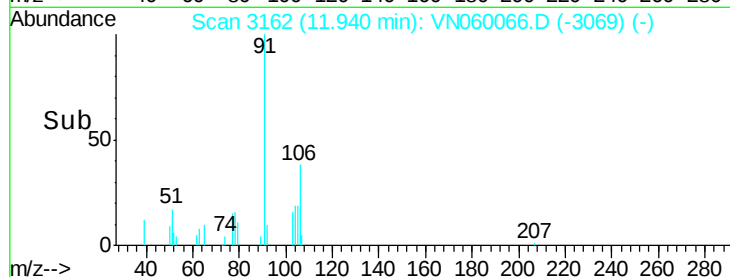
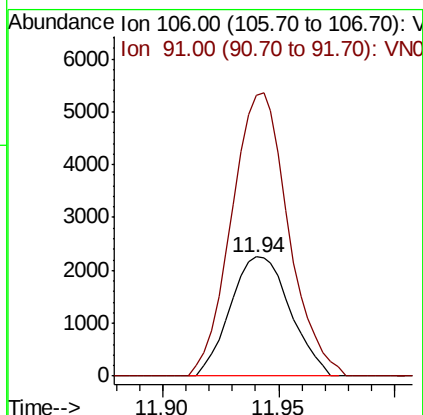
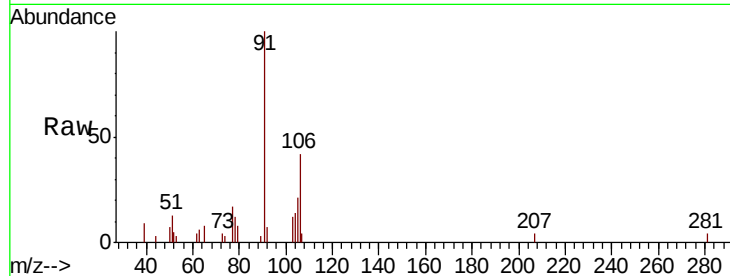




#69
o-Xylene
Concen: 1.052 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

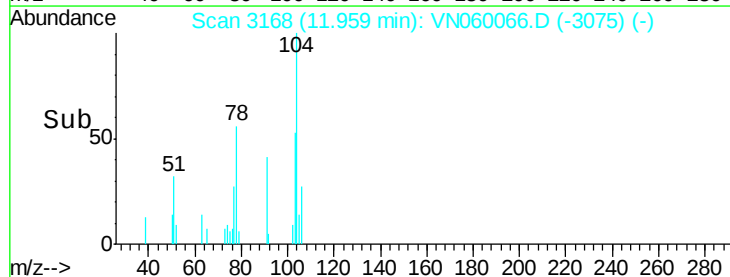
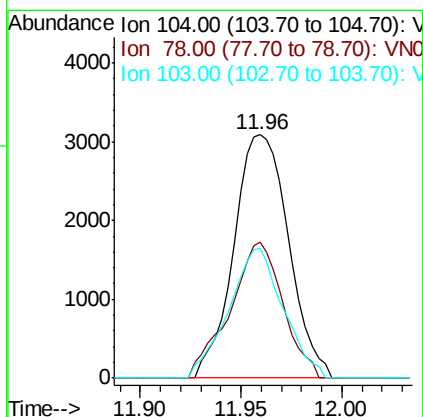
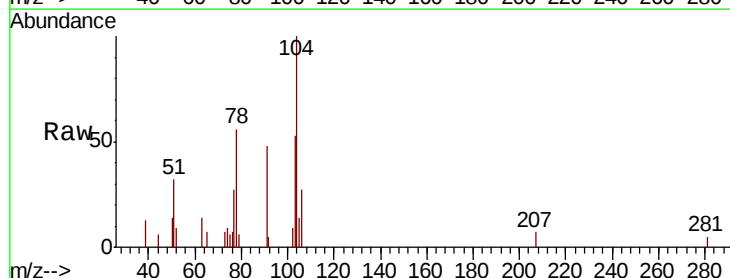
Instrument :
MSVOA_N
ClientSampled :

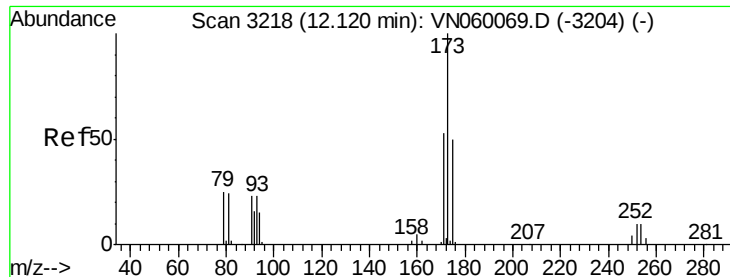
Tot Ion:106 Resp: 4040
Ion Ratio Lower Upper
106 100
91 225.3 107.2 321.6



#70
Styrene
Concen: 0.985 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion:104 Resp: 5868
Ion Ratio Lower Upper
104 100
78 53.8 40.2 60.2
103 52.9 44.3 66.5

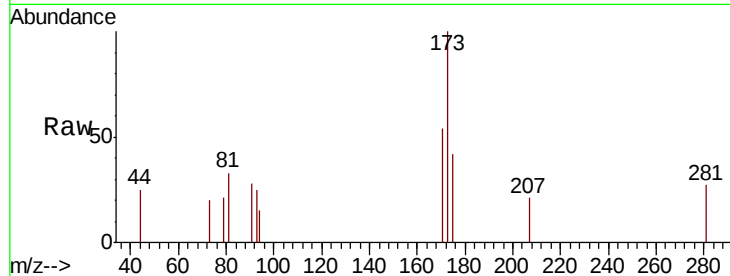




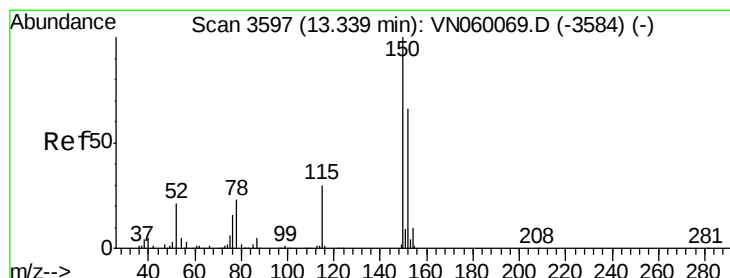
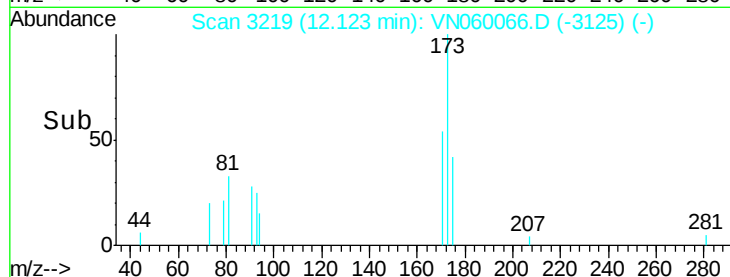
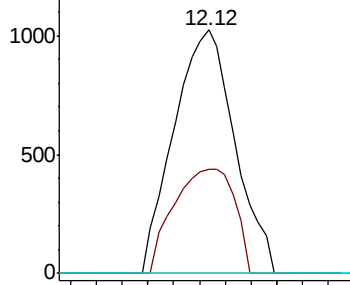
#71
Bromoform
Concen: 0.984 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 1688
Ion Ratio Lower Upper
173 100
175 42.7 24.9 74.6
254 0.0 0.0 0.0

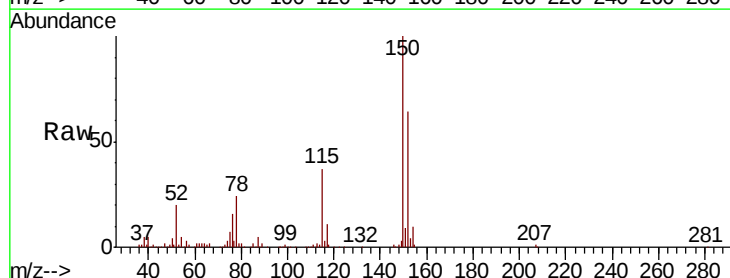


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

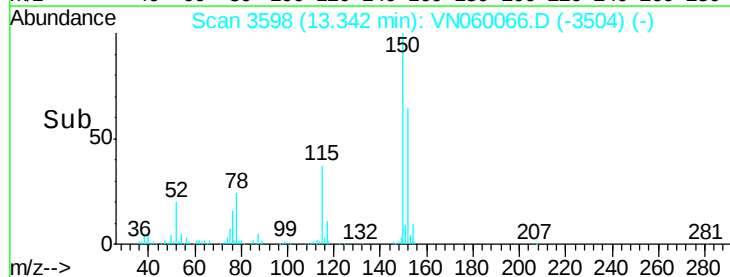
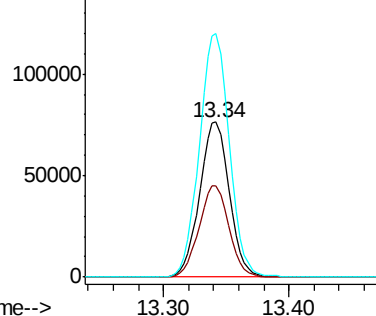


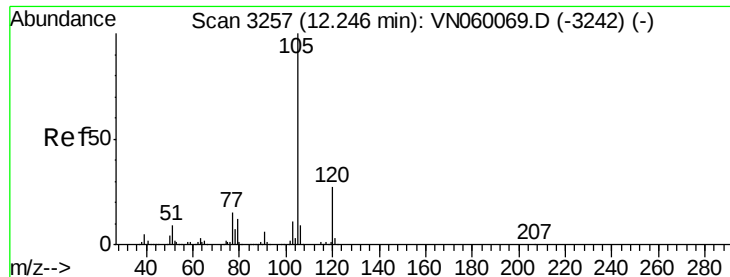
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion:152 Resp: 125386
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.8
150 158.2 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.165 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

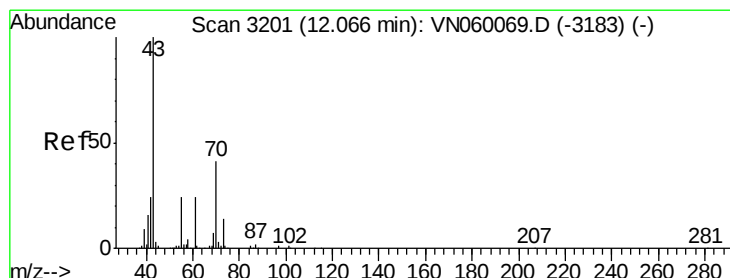
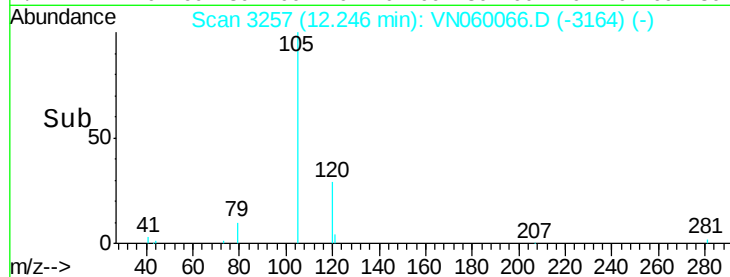
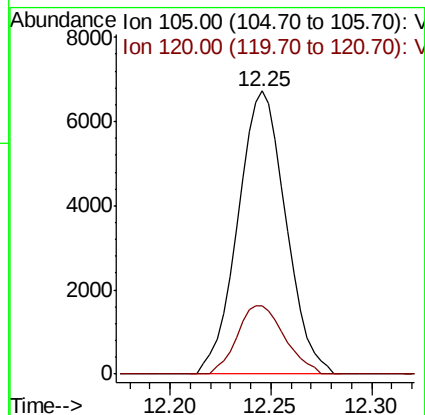
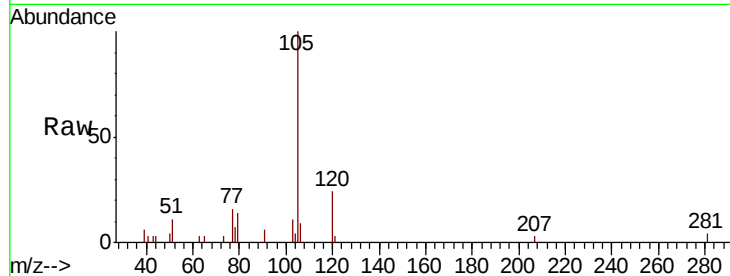
ClientSampleId :

Tot Ion:105 Resp: 11175

Ion Ratio Lower Upper

105 100

120 24.0 13.3 39.8



#74

N-ethyl acetate

Concen: 1.038 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion: 43 Resp: 3396

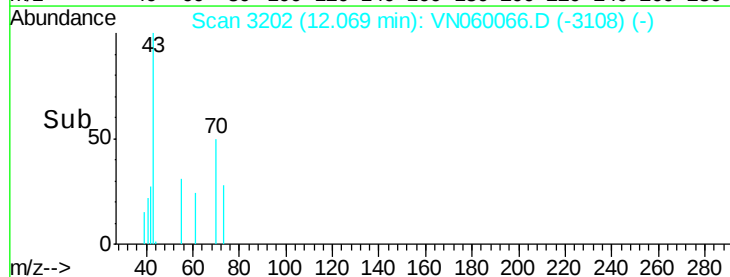
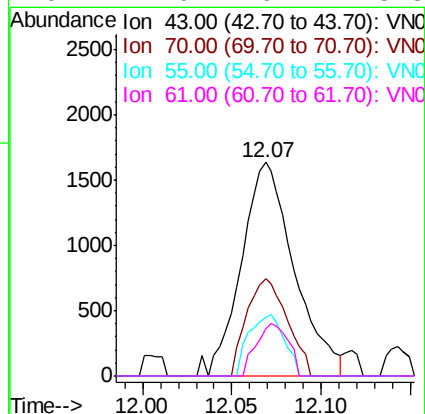
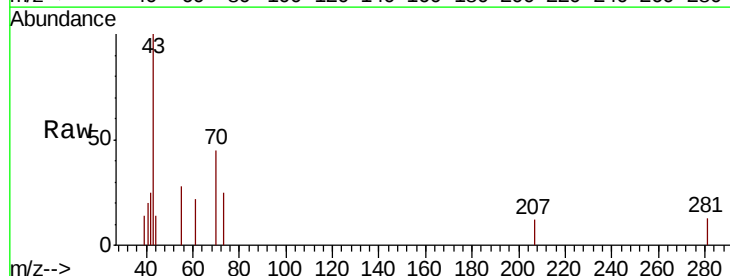
Ion Ratio Lower Upper

43 100

70 34.9 33.4 50.0

55 19.2 18.8 28.2

61 14.9 19.2 28.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.063 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

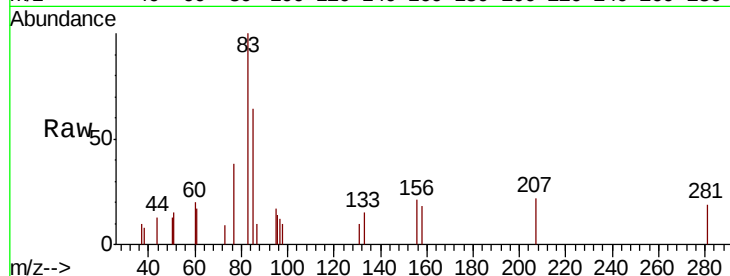
Tot Ion: 83 Resp: 2886

Ion Ratio Lower Upper

83 100

131 4.5 5.2 15.6#

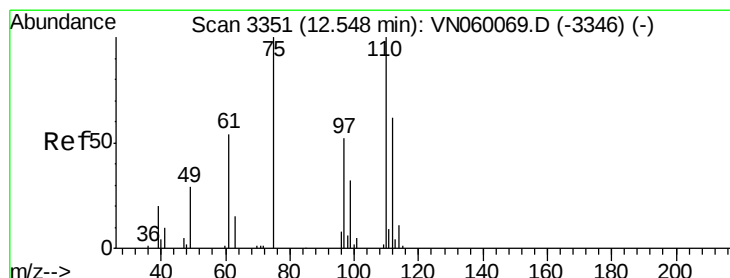
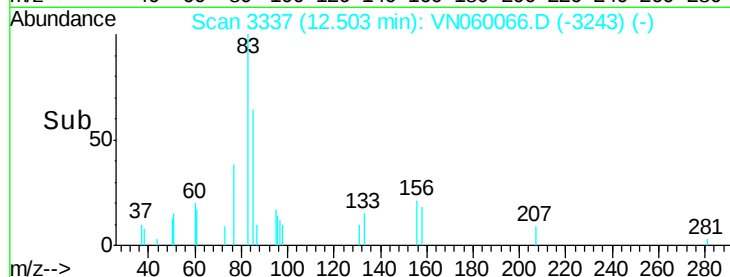
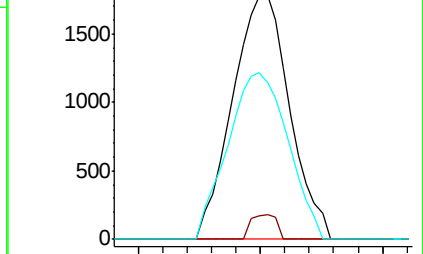
85 72.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060069.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060069.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 1.193 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN060066.D

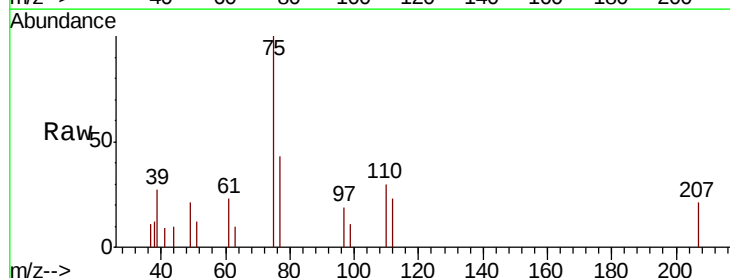
Acq: 12 Feb 2020 11:19

Tgt Ion: 75 Resp: 4065

Ion Ratio Lower Upper

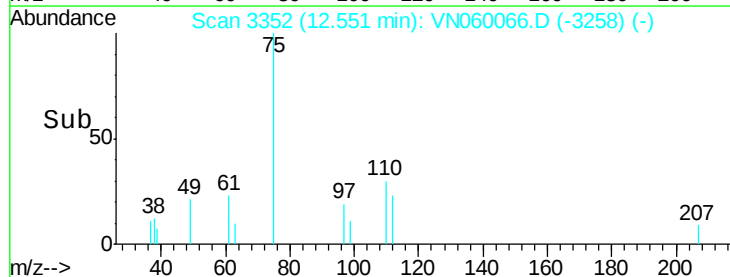
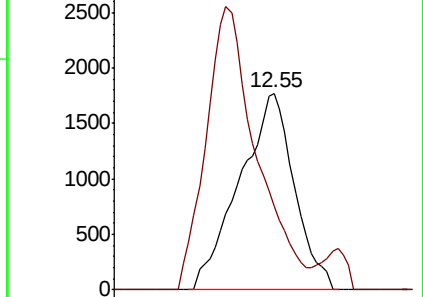
75 100

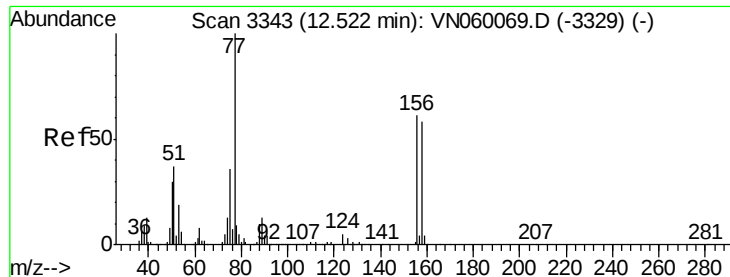
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3346) (-)





#77

Bromobenzene

Concen: 1.093 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

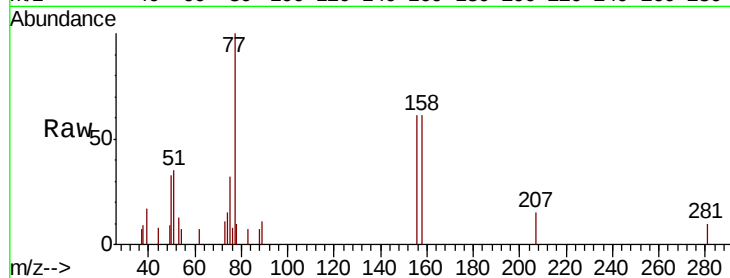
Tot Ion:156 Resp: 2579

Ion Ratio Lower Upper

156 100

77 210.3 98.7 296.1

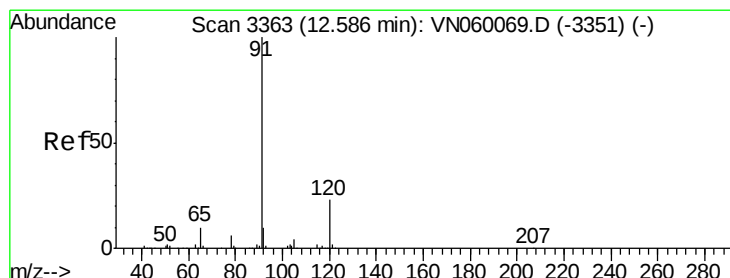
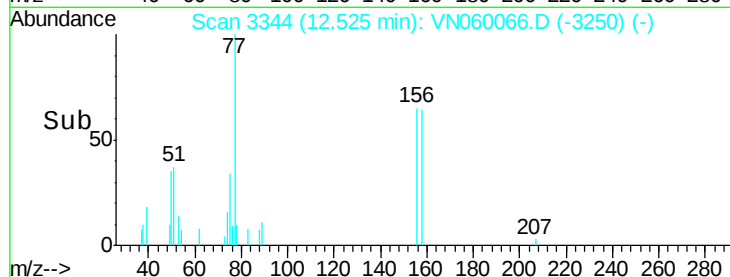
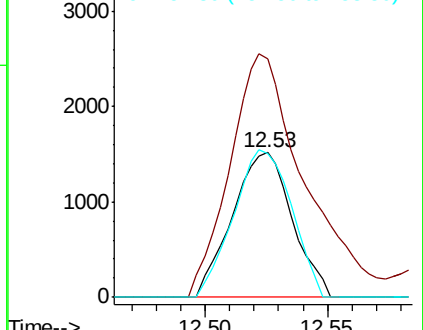
158 99.5 48.1 144.4



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: 1.169 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060066.D

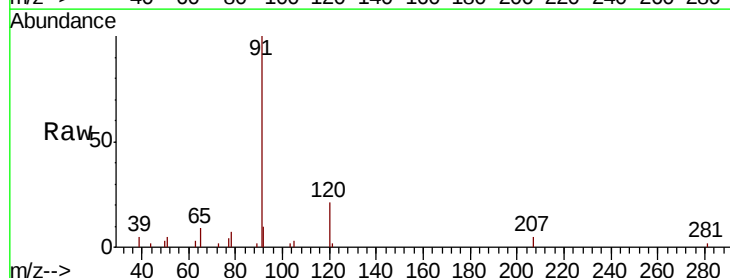
Acq: 12 Feb 2020 11:19

Tgt Ion: 91 Resp: 12721

Ion Ratio Lower Upper

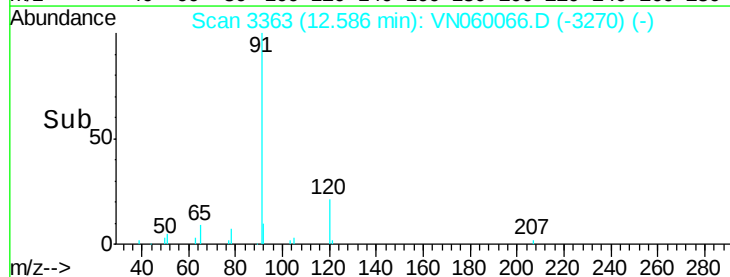
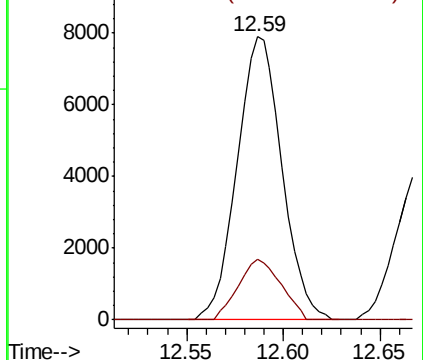
91 100

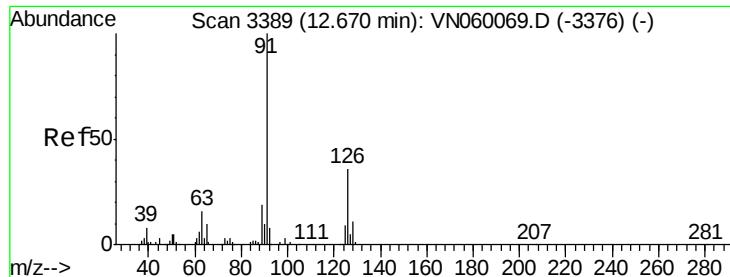
120 20.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

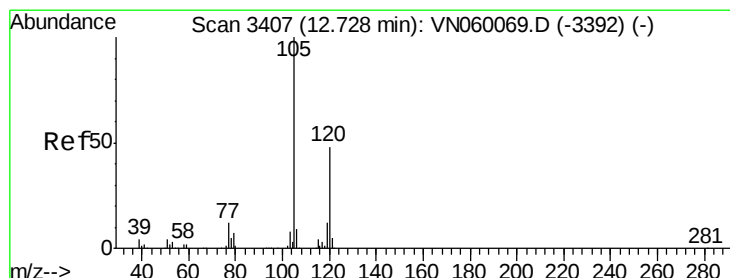
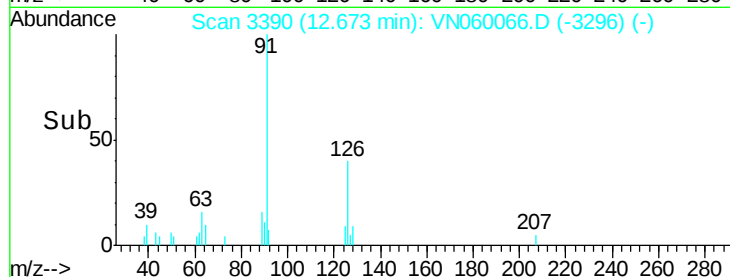
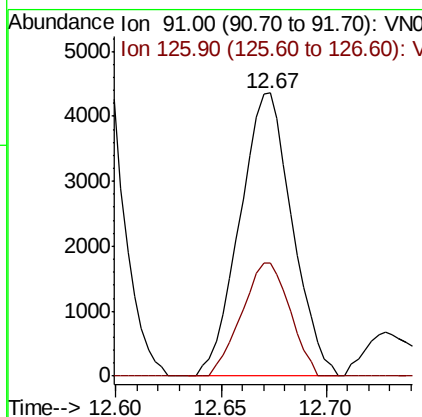
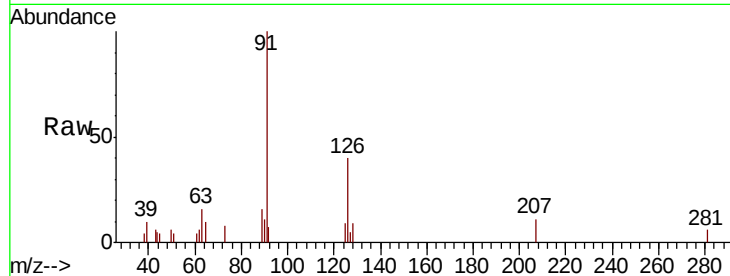




#79
 2-Chlorotoluene
 Concen: 1.176 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

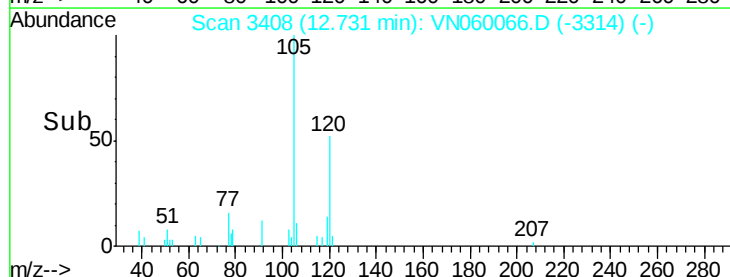
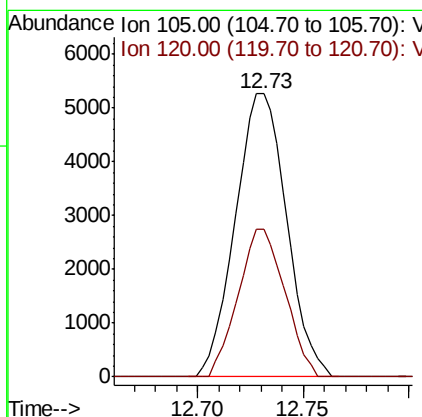
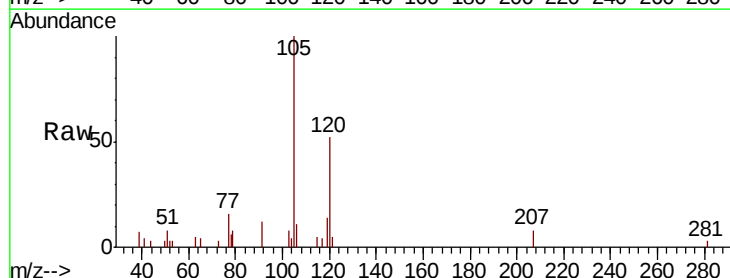
Instrument :
 MSVOA_N
 ClientSampled :

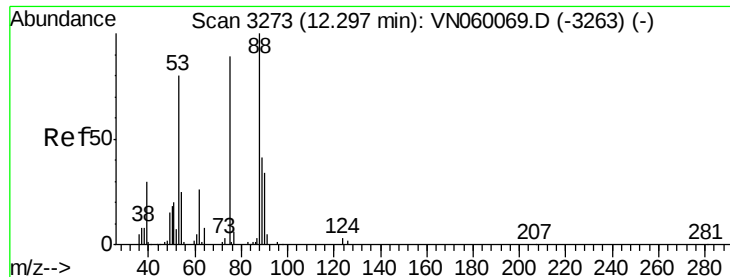
Tot Ion: 91 Resp: 7549
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 1.124 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion: 105 Resp: 8893
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 0.925 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

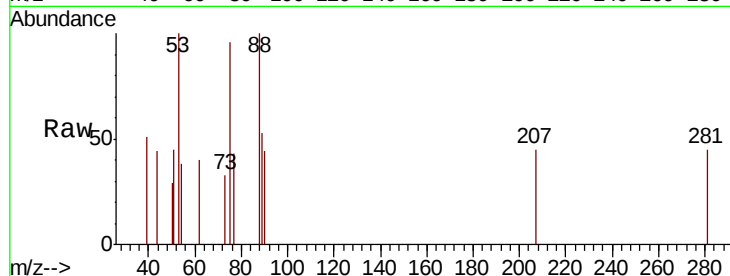
Tot Ion: 75 Resp: 872

Ion Ratio Lower Upper

75 100

53 104.5 73.9 110.9

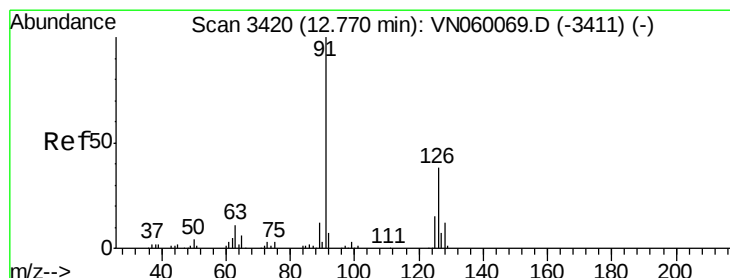
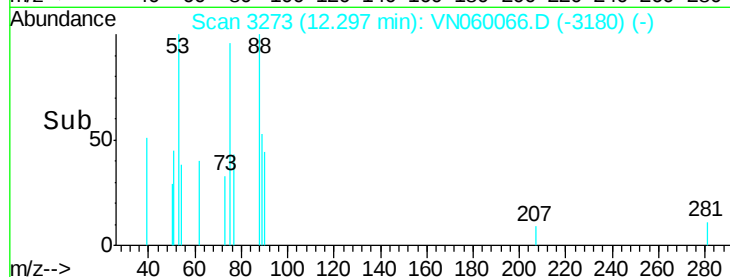
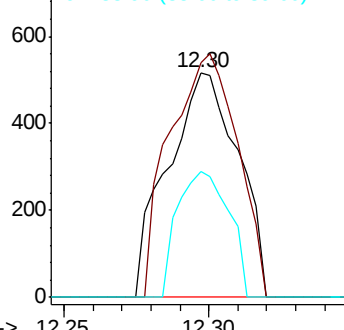
89 40.7 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.144 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN060066.D

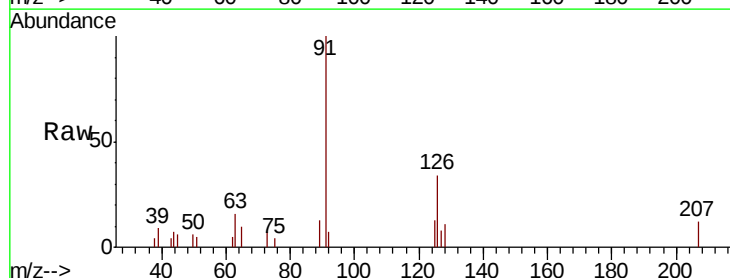
Acq: 12 Feb 2020 11:19

Tgt Ion: 91 Resp: 7436

Ion Ratio Lower Upper

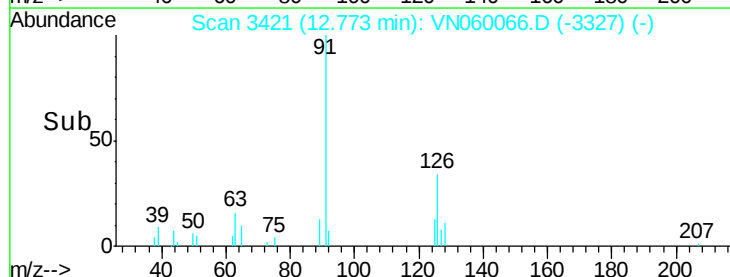
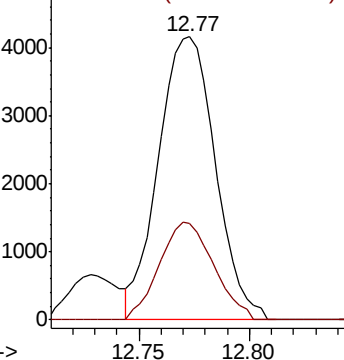
91 100

126 32.9 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

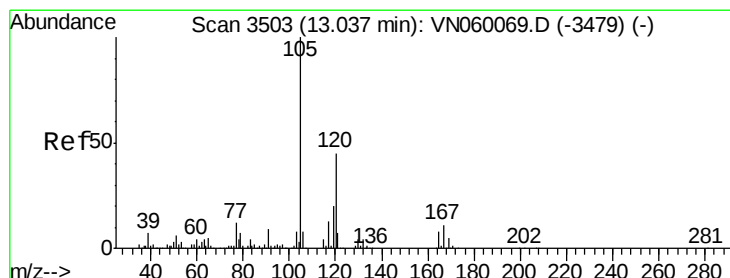
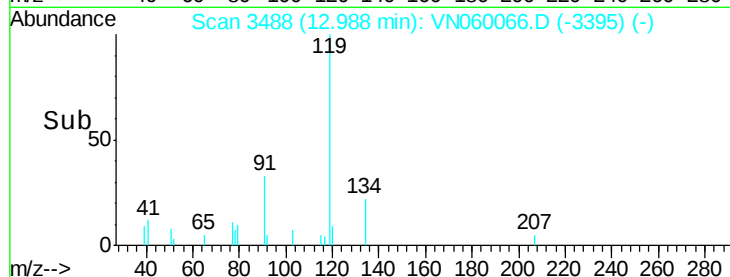
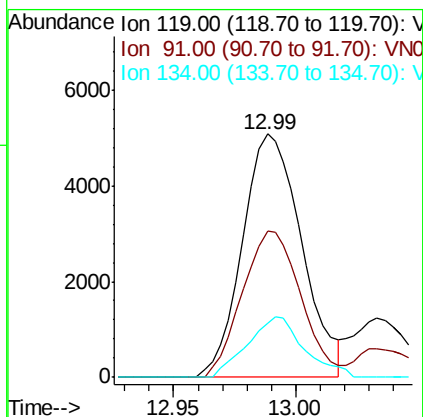
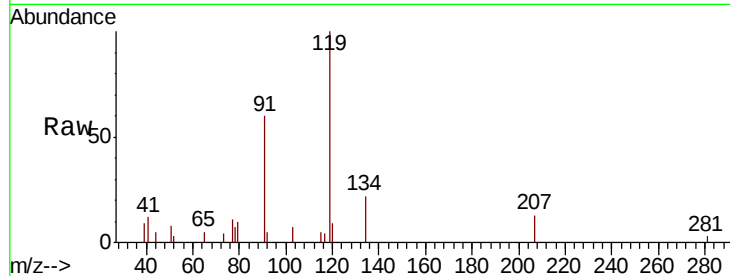




#83
tert-Butylbenzene
Concen: 1.204 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

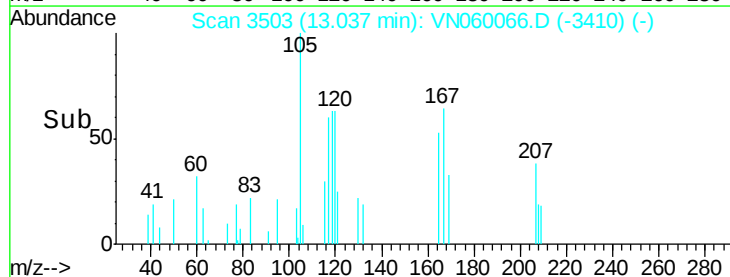
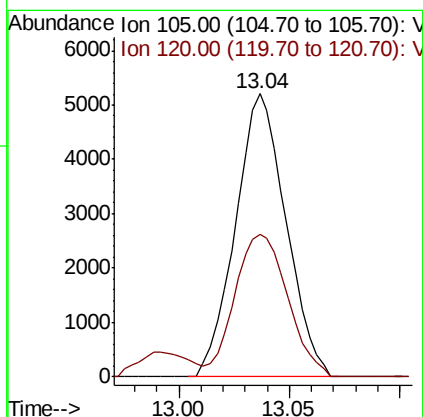
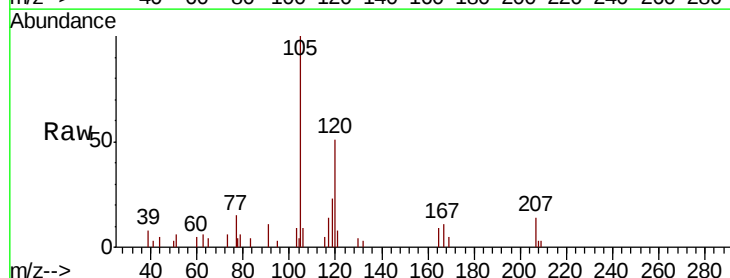
Instrument :
MSVOA_N
ClientSampleId :

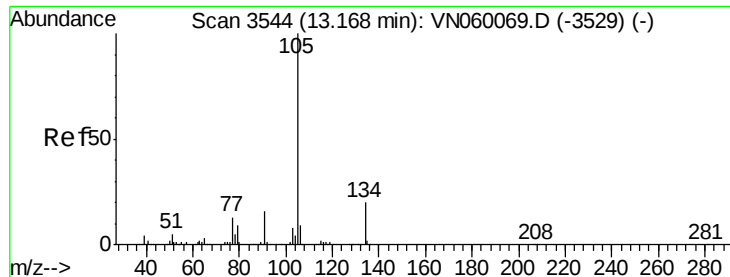
Tot Ion:119 Resp: 8567
Ion Ratio Lower Upper
119 100
91 59.0 32.7 98.1
134 23.6 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 1.068 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion:105 Resp: 8261
Ion Ratio Lower Upper
105 100
120 52.7 22.4 67.3

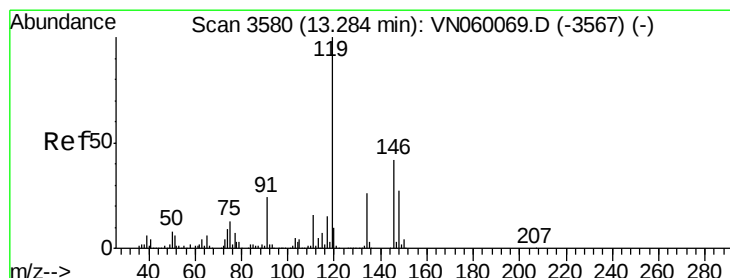
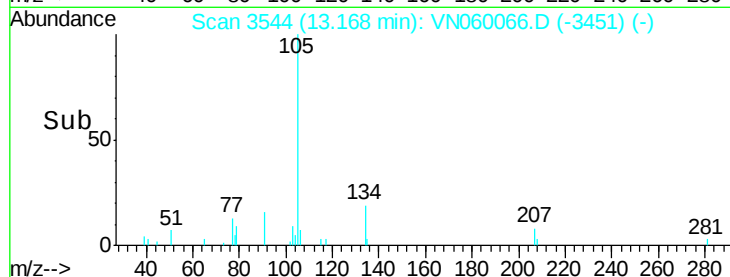
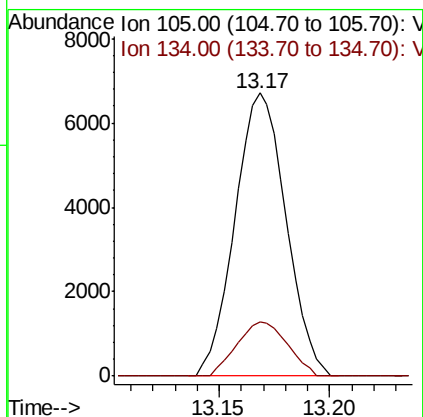
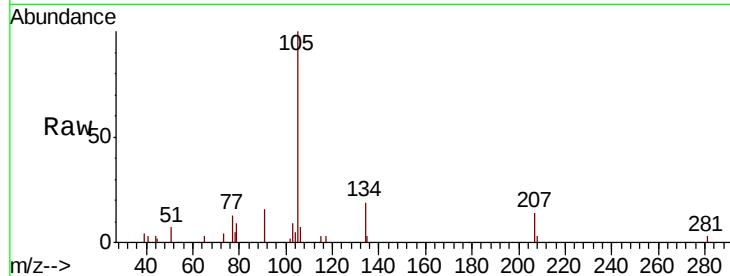




#85
 sec-Butylbenzene
 Concen: 1.155 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

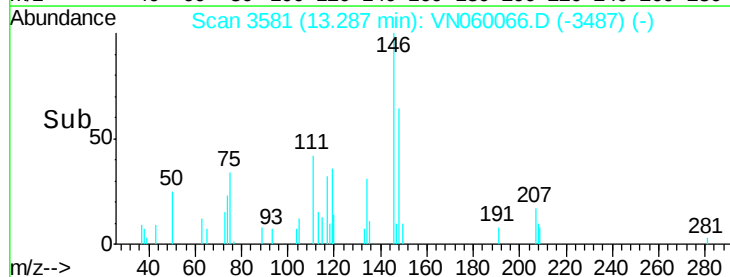
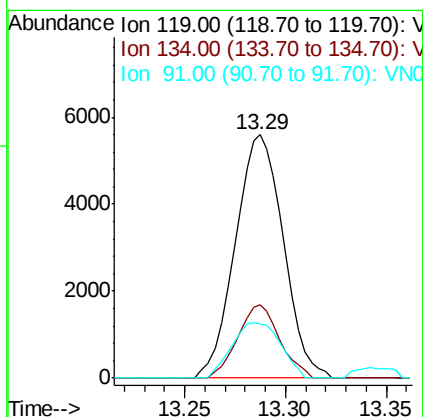
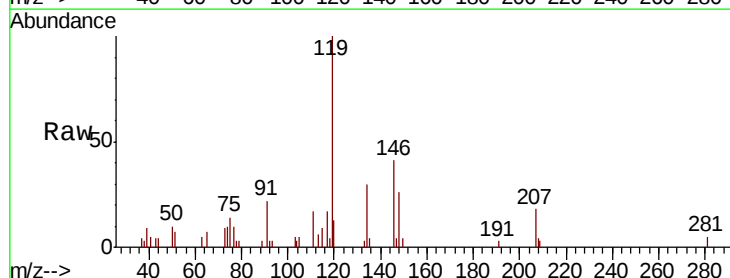
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:105 Resp: 10753
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 1.119 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion:119 Resp: 9333
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 23.0 11.9 35.9

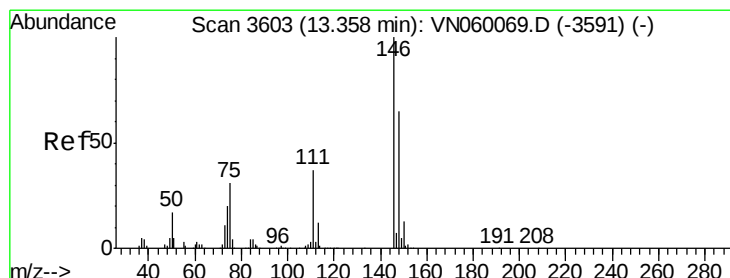
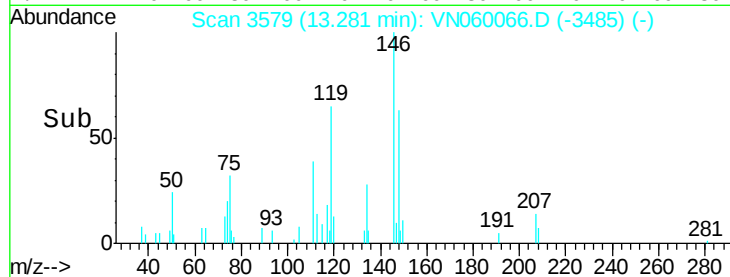
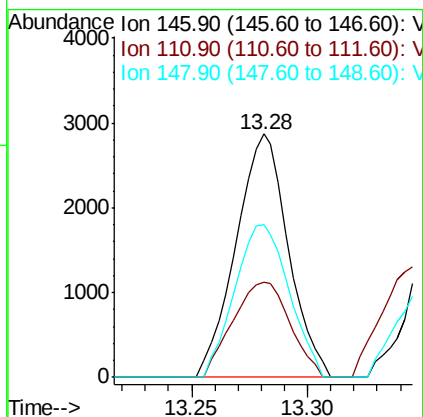
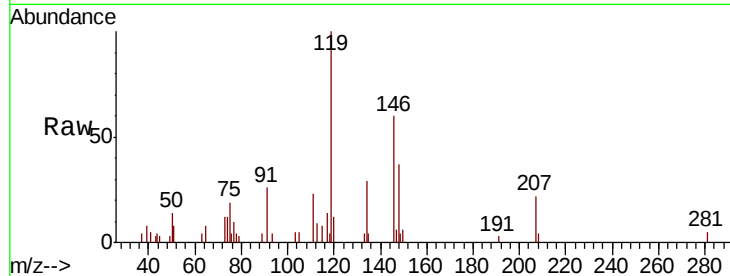




#87
 1,3-Dichlorobenzene
 Concen: 1.089 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

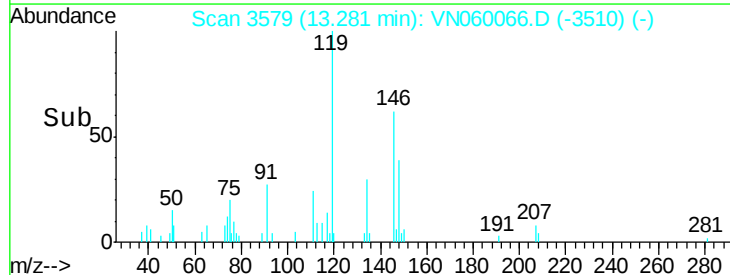
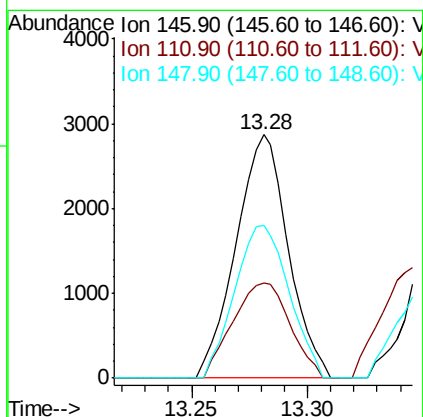
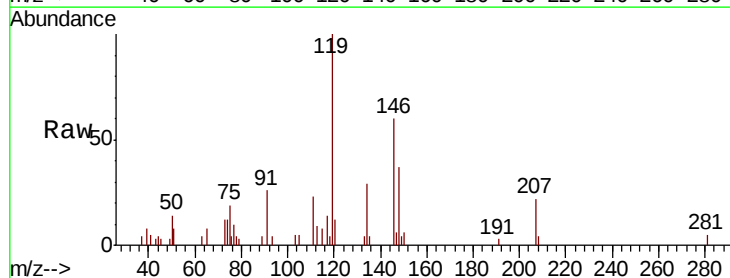
Instrument :
 MSVOA_N
 ClientSampled :

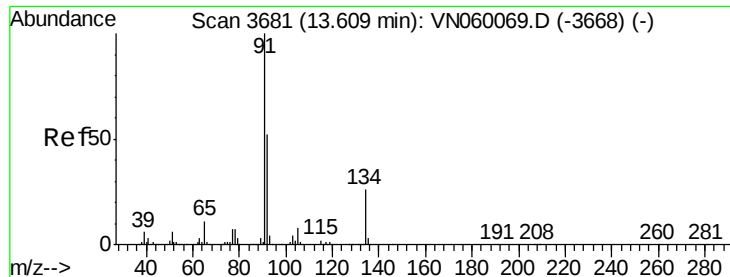
Tot Ion:146 Resp: 4491
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.8 59.3
 148 65.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 1.098 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion:146 Resp: 4491
 Ion Ratio Lower Upper
 146 100
 111 42.7 18.9 56.5
 148 65.3 32.0 96.0





#89

n-Butylbenzene

Concen: 1.096 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060066.D

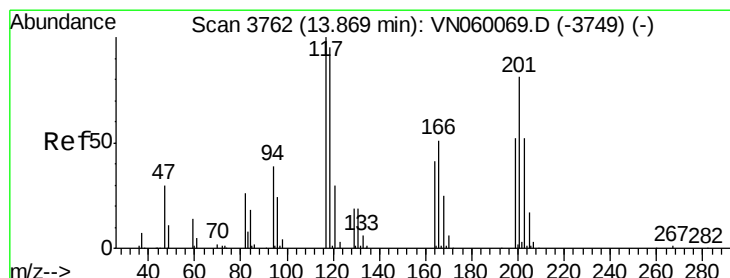
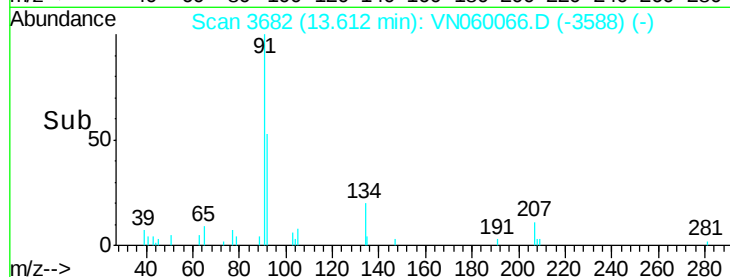
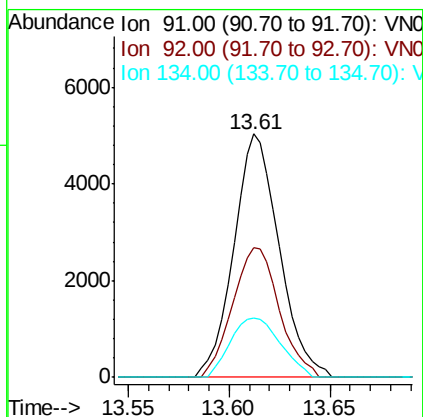
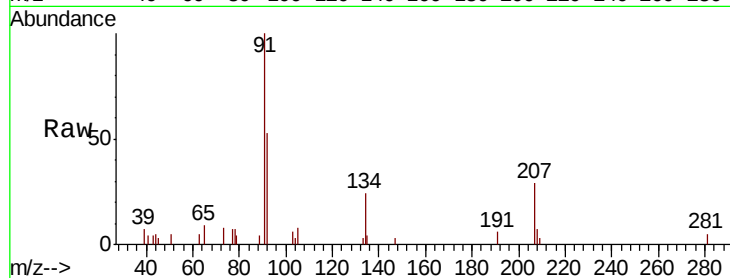
Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	91	Resp:	7913
Ion	Ratio	Lower	Upper
91	100		
92	54.8	26.1	78.2
134	26.9	13.1	39.3



#90

Hexachloroethane

Concen: 1.097 ug/l

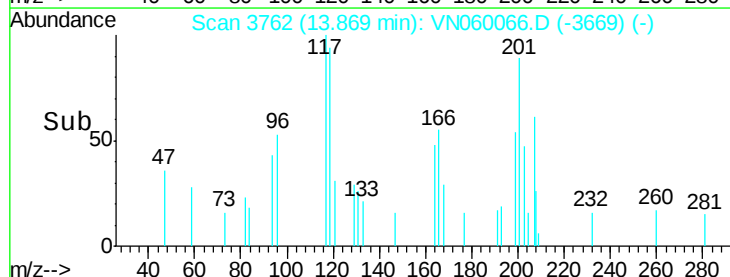
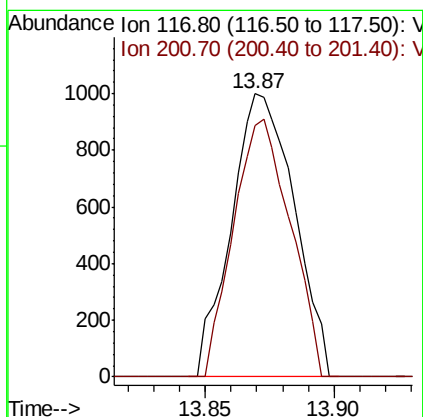
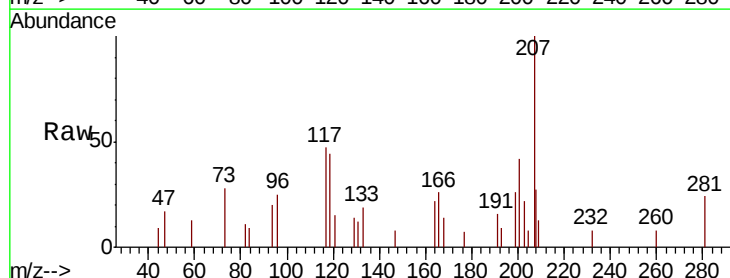
RT: 13.87 min Scan# 3762

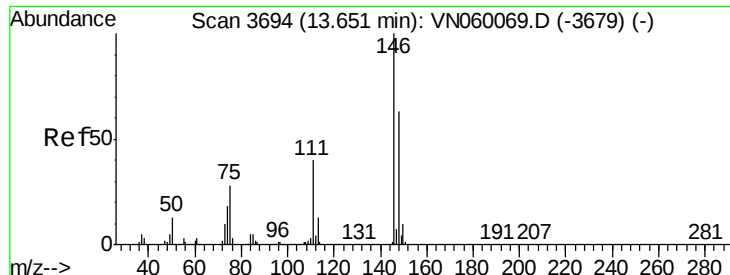
Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion:	117	Resp:	1701
Ion	Ratio	Lower	Upper
117	100		
201	82.3	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 1.132 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

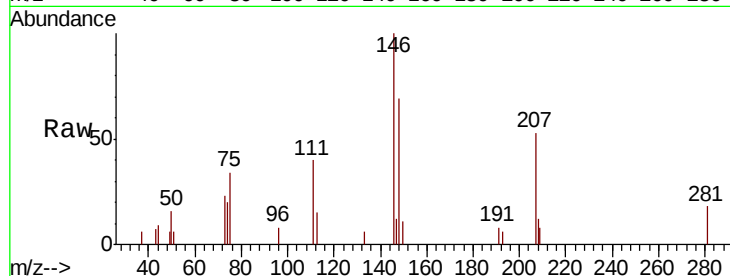
Tot Ion:146 Resp: 4625

Ion Ratio Lower Upper

146 100

111 38.2 20.1 60.2

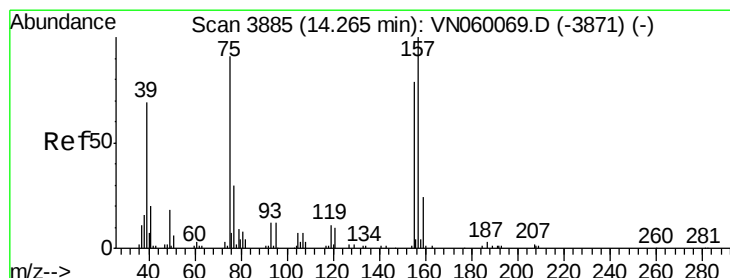
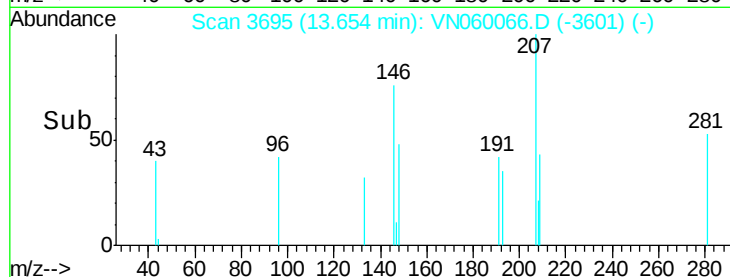
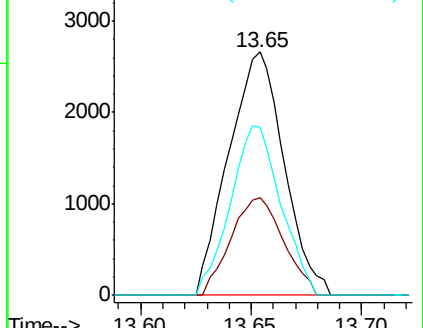
148 63.4 31.9 95.5



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: 1.315 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

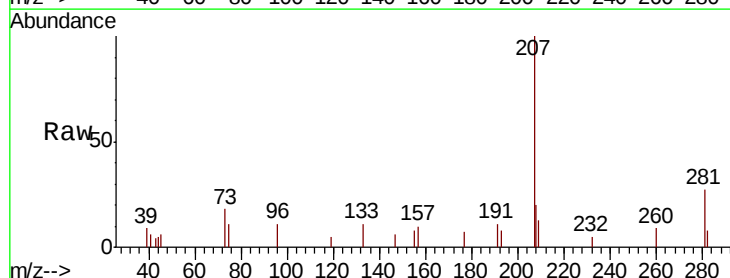
Tgt Ion: 75 Resp: 854

Ion Ratio Lower Upper

75 100

155 42.4 43.0 129.0#

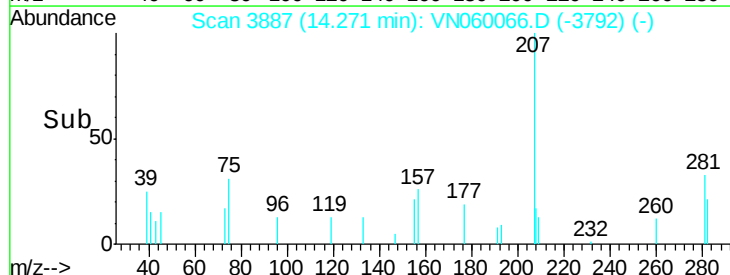
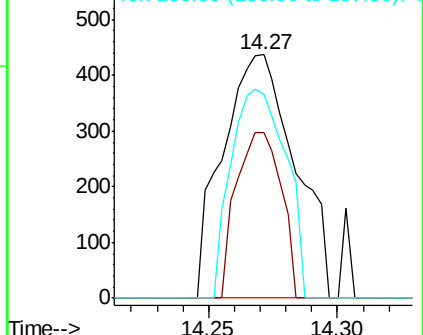
157 65.3 54.9 164.5



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

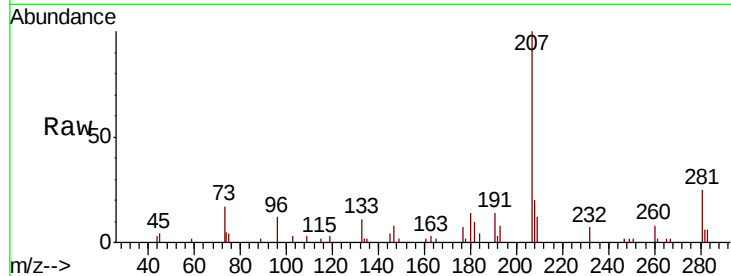




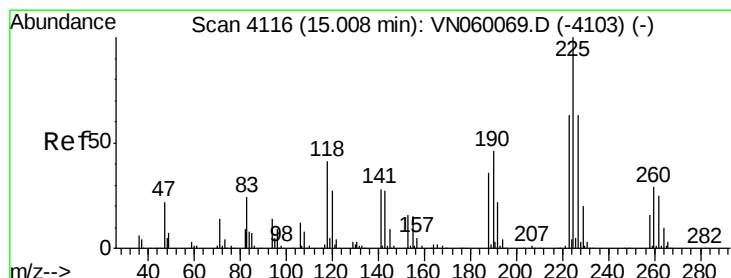
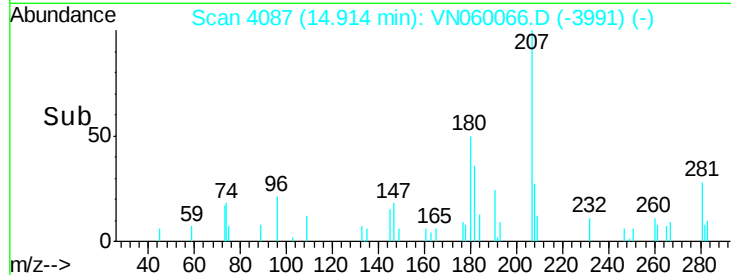
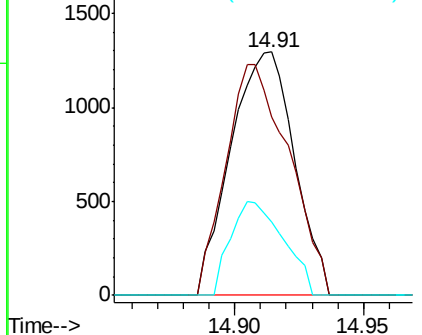
#93
 1,2,4-Trichlorobenzene
 Concen: 0.980 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 2230
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.9 143.8
 145 32.1 15.2 45.5

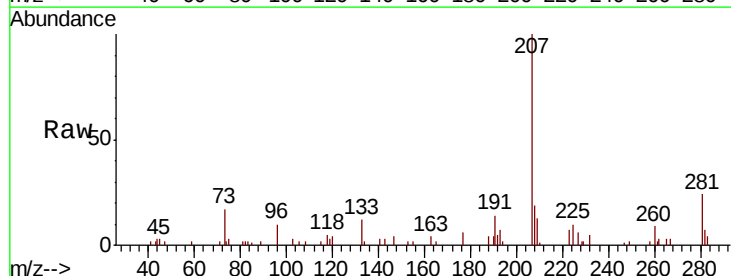


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

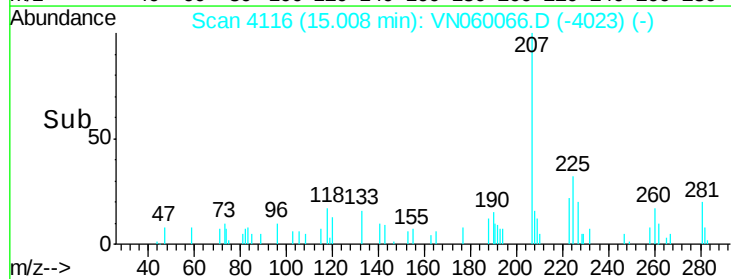
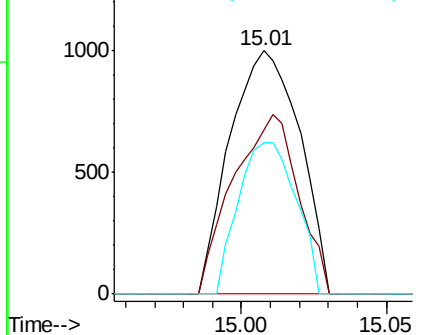


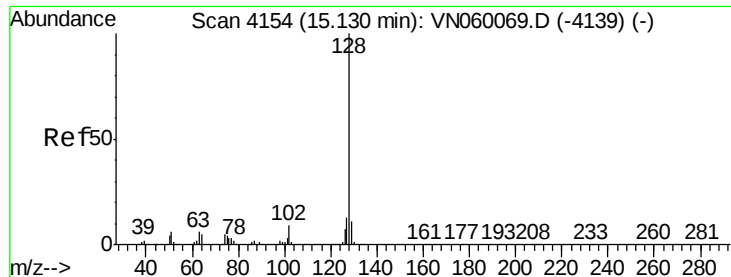
#94
 Hexachlorobutadiene
 Concen: 1.162 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion:225 Resp: 1668
 Ion Ratio Lower Upper
 225 100
 223 69.1 31.5 94.5
 227 51.3 31.8 95.4



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





#95

Naphthalene

Concen: 0.883 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

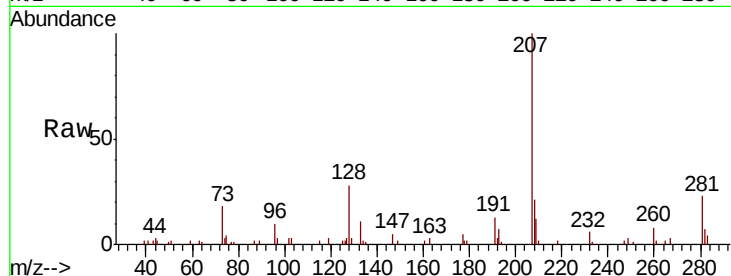
Tot Ion:128 Resp: 5306

Ion Ratio Lower Upper

128 100

127 9.3 10.3 15.5#

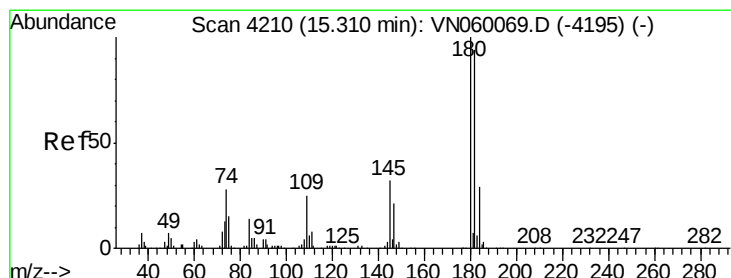
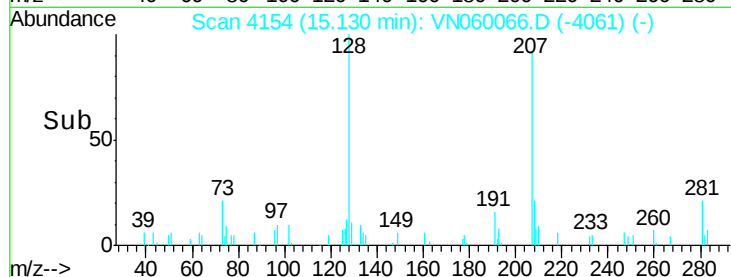
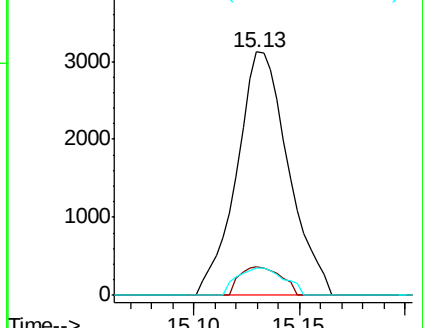
129 10.4 8.6 13.0



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: 1.030 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

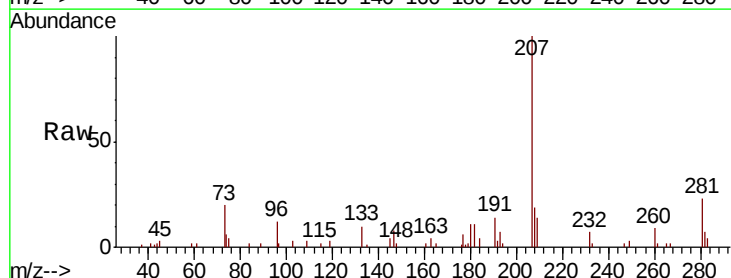
Tgt Ion:180 Resp: 2373

Ion Ratio Lower Upper

180 100

182 93.3 47.5 142.5

145 34.7 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

