

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060075.D
 Acq On : 12 Feb 2020 15:42
 Operator : JC/MD
 Sample : VN0212WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 13 00:35:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	218867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	344668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156120	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	141320	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
35) Dibromofluoromethane	7.56	113	111556	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
50) Toluene-d8	10.08	98	440899	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.40	95	160116	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	46740	21.365	ug/l	99
3) Chloromethane	2.04	50	54215	20.824	ug/l	98
4) Vinyl Chloride	2.17	62	60309	20.323	ug/l	98
5) Bromomethane	2.55	94	37319	20.510	ug/l	98
6) Chloroethane	2.69	64	30456	20.291	ug/l	97
7) Trichlorofluoromethane	3.00	101	77385	20.226	ug/l	97
8) Diethyl Ether	3.38	74	26505	20.811	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	43787	20.614	ug/l	100
10) Methyl Iodide	3.93	142	52273	19.889	ug/l	99
11) Tert butyl alcohol	4.72	59	40431	101.448	ug/l	99
12) 1,1-Dichloroethene	3.72	96	43222	20.887	ug/l	95
13) Acrolein	3.58	56	36406	92.417	ug/l	98
14) Allyl chloride	4.29	41	58593	19.238	ug/l	99
15) Acrylonitrile	4.94	53	99888	102.629	ug/l	100
16) Acetone	3.78	43	104829	90.238	ug/l	99
17) Carbon Disulfide	4.03	76	126843	20.336	ug/l	99
18) Methyl Acetate	4.29	43	44802	20.530	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	142080	20.417	ug/l	98
20) Methylene Chloride	4.52	84	46947	20.256	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	46592	20.655	ug/l	96
22) Diisopropyl ether	5.91	45	134680	20.177	ug/l	99
23) Vinyl Acetate	5.86	43	574002	102.401	ug/l	99
24) 1,1-Dichloroethane	5.82	63	83714	20.703	ug/l	99
25) 2-Butanone	6.80	43	143824	98.440	ug/l	97
26) 2,2-Dichloropropane	6.79	77	78209	20.363	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	53424	20.237	ug/l	100
28) Bromochloromethane	7.17	49	33076	20.807	ug/l	99
29) Tetrahydrofuran	7.18	42	91423	101.999	ug/l	99
30) Chloroform	7.35	83	86031	20.311	ug/l	99
31) Cyclohexane	7.63	56	77516	20.579	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	79297	20.486	ug/l	99
36) 1,1-Dichloropropene	7.77	75	65150	20.408	ug/l	99
37) Ethyl Acetate	6.90	43	59321	20.560	ug/l	99
38) Carbon Tetrachloride	7.75	117	70586	20.359	ug/l	99

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

39) Methylcyclohexane	9.06	83	80970	20.432	ug/l	98
40) Benzene	8.02	78	192230	20.299	ug/l	100
41) Methacrylonitrile	7.18	41	83026	68.617	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	69630	20.979	ug/l	99
43) Isopropyl Acetate	8.14	43	101293	20.537	ug/l	99
44) Trichloroethene	8.82	130	52537	20.036	ug/l	95
45) 1,2-Dichloropropane	9.10	63	48712	20.777	ug/l	100
46) Dibromomethane	9.19	93	33900	20.461	ug/l	99
47) Bromodichloromethane	9.38	83	68392	20.304	ug/l	97
48) Methyl methacrylate	9.18	41	43647	19.724	ug/l	97
49) 1,4-Dioxane	9.18	88	16872	446.244	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	289960	101.570	ug/l	100
52) Toluene	10.14	92	125666	20.693	ug/l	96
53) t-1,3-Dichloropropene	10.37	75	77177	20.298	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	82378	20.575	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	48122	20.312	ug/l	98
56) Ethyl methacrylate	10.42	69	69477	20.730	ug/l	99
57) 1,3-Dichloropropane	10.70	76	80193	20.514	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	173339	111.019	ug/l	100
59) 2-Hexanone	10.74	43	220048	99.784	ug/l	99
60) Dibromochloromethane	10.89	129	54595	20.081	ug/l	99
61) 1,2-Dibromoethane	10.99	107	50403	20.295	ug/l	98
64) Tetrachloroethene	10.62	164	49362	20.121	ug/l	99
65) Chlorobenzene	11.43	112	133641	20.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	51521	20.715	ug/l	99
67) Ethyl Benzene	11.50	91	240896	20.315	ug/l	98
68) m/p-Xylenes	11.61	106	181853	40.861	ug/l	100
69) o-Xylene	11.94	106	86660	20.224	ug/l	99
70) Styrene	11.96	104	139571	20.198	ug/l	100
71) Bromoform	12.12	173	39326	19.658	ug/l #	98
73) Isopropylbenzene	12.24	105	236220	20.262	ug/l	100
74) N-amyl acetate	12.06	43	86562	20.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	67841	20.217	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	91057	30.485	ug/l #	100
77) Bromobenzene	12.52	156	58594	20.252	ug/l	99
78) n-propylbenzene	12.59	91	265326	19.976	ug/l	99
79) 2-Chlorotoluene	12.67	91	157024	20.113	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	200043	20.637	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	23727	19.450	ug/l	97
82) 4-Chlorotoluene	12.77	91	159559	19.920	ug/l	100
83) tert-Butylbenzene	12.99	119	171186	19.964	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	197437	20.634	ug/l	100
85) sec-Butylbenzene	13.17	105	226674	19.960	ug/l	99
86) p-Isopropyltoluene	13.28	119	209222	20.334	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	102849	20.082	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	102350	19.989	ug/l	98
89) n-Butylbenzene	13.61	91	178802	19.757	ug/l	99
90) Hexachloroethane	13.87	117	38493	20.026	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	100517	20.055	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14866	20.378	ug/l	94

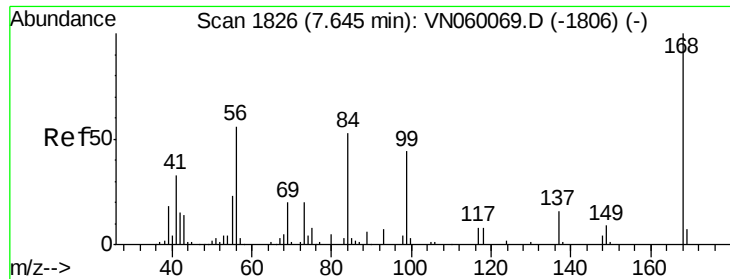
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	59057	20.054	ug/l	99
94) Hexachlorobutadiene	15.00	225	34516	20.021	ug/l	99
95) Naphthalene	15.13	128	159192	20.012	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	57826	19.718	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: VN060075.D

Acq: 12 Feb 2020 15:42

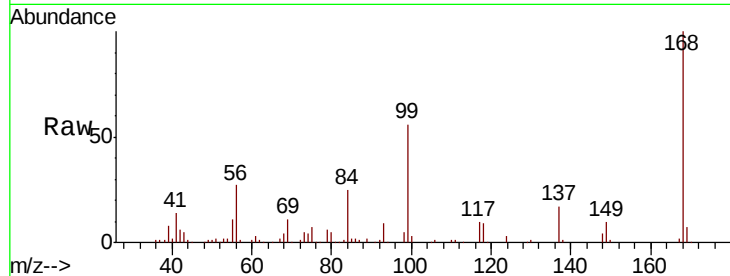
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 218867

Ion Ratio Lower Upper

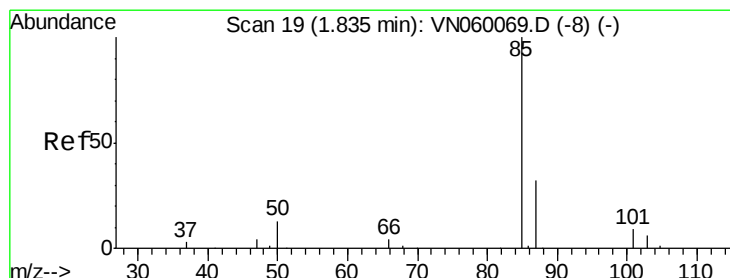
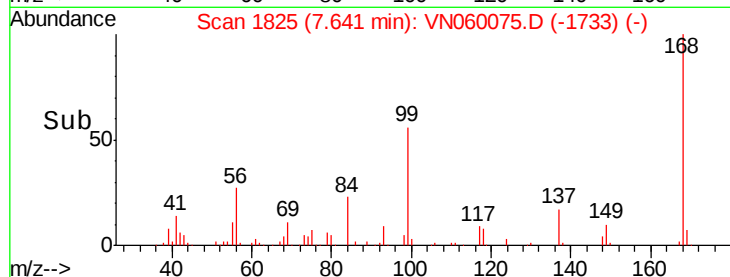
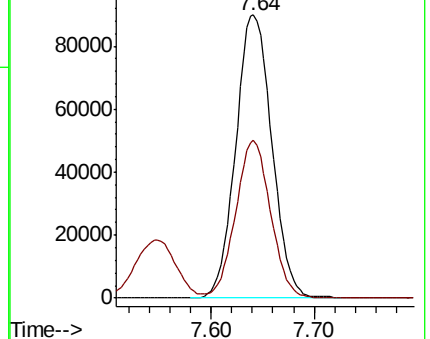
168 100

99 55.7 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1806) (-)



#2

Dichlorodifluoromethane

Concen: 21.365 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060075.D

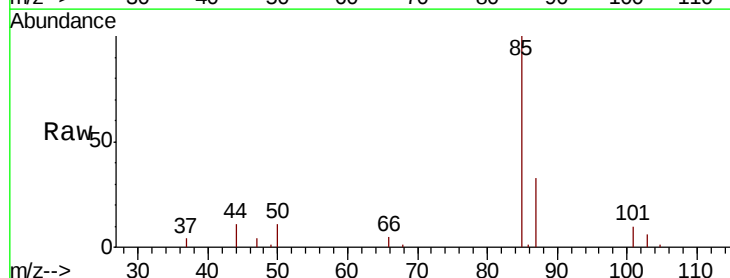
Acq: 12 Feb 2020 15:42

Tgt Ion: 85 Resp: 46740

Ion Ratio Lower Upper

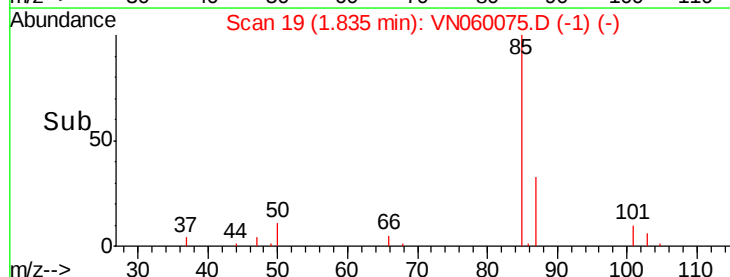
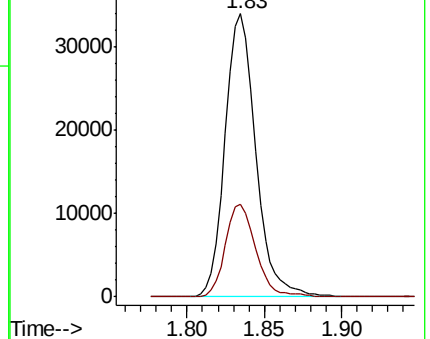
85 100

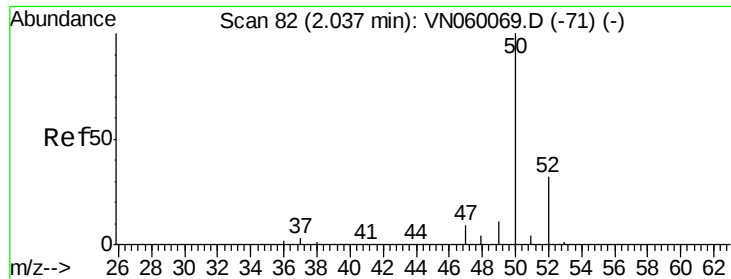
87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN060069.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN060069.D (-8) (-)





#3

Chloromethane

Concen: 20.824 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

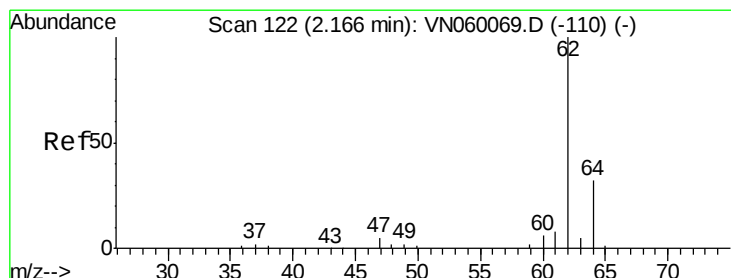
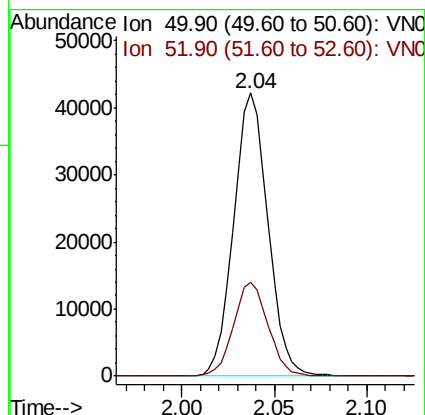
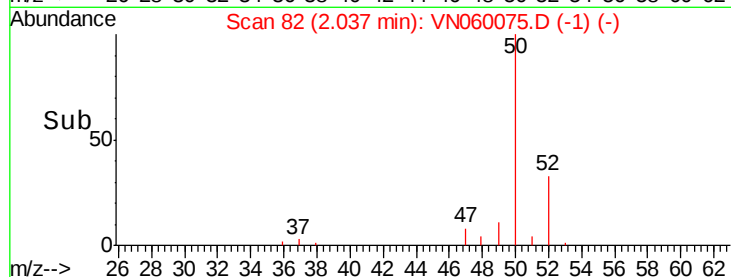
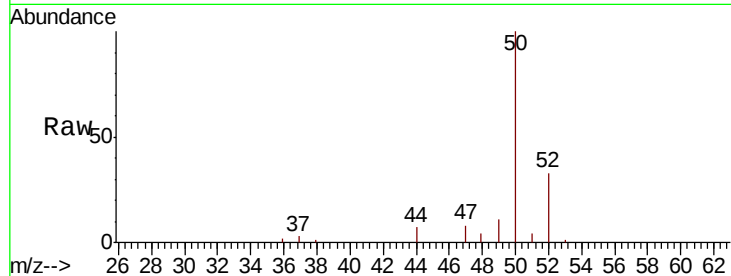
ClientSampled :

Tot Ion: 50 Resp: 54215

Ion Ratio Lower Upper

50 100

52 33.4 25.6 38.4



#4

Vinyl Chloride

Concen: 20.323 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060075.D

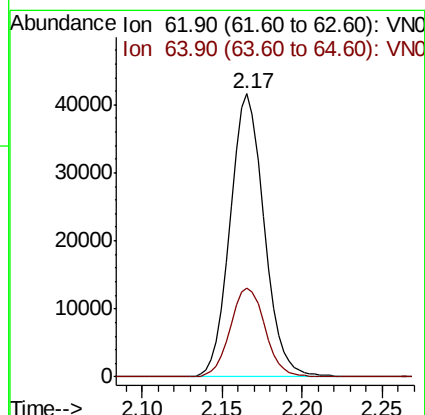
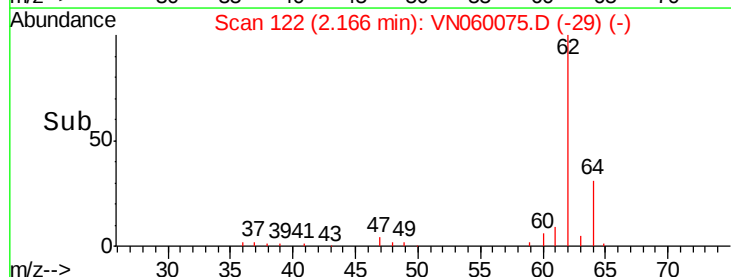
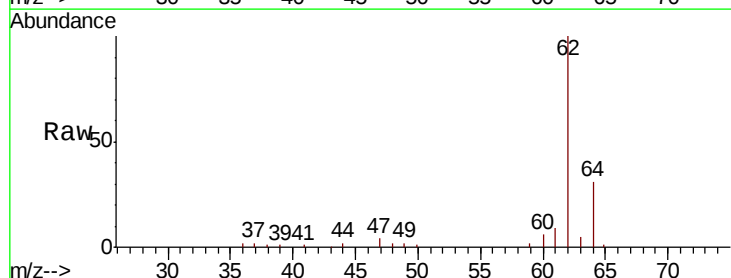
Acq: 12 Feb 2020 15:42

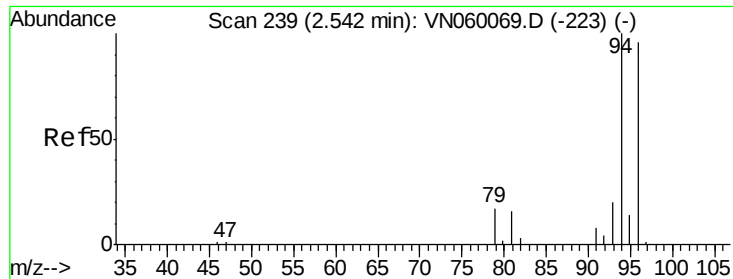
Tgt Ion: 62 Resp: 60309

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9

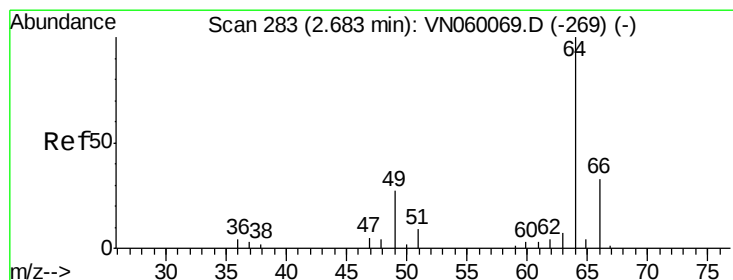
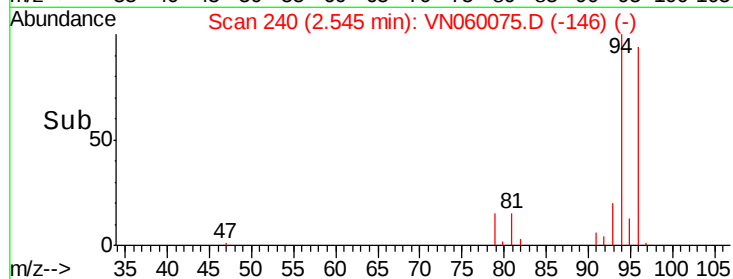
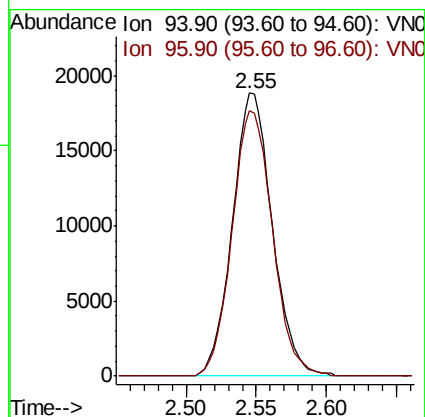
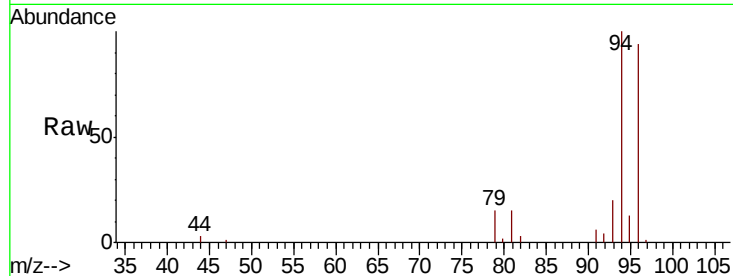




#5
Bromomethane
Concen: 20.510 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

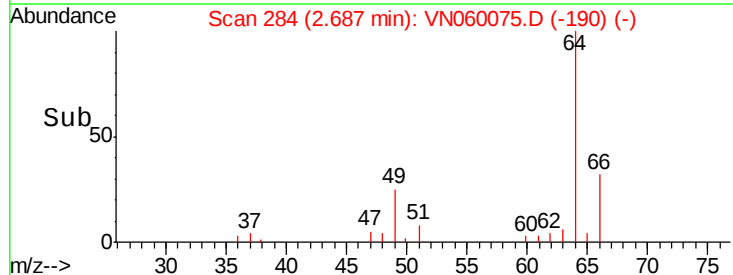
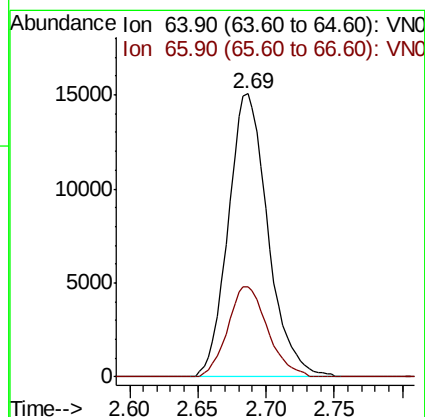
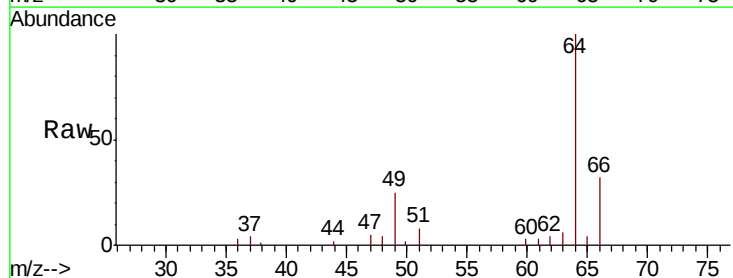
Instrument :
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ClientSampleId :

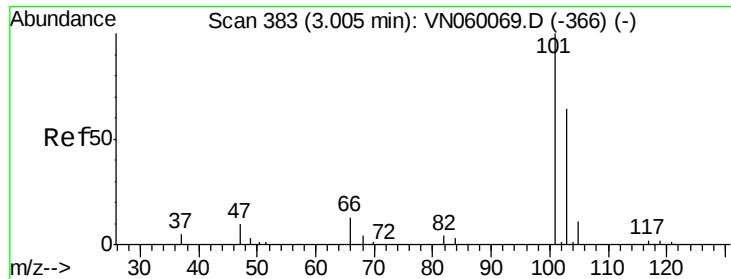
Tot Ion: 94 Resp: 37319
Ion Ratio Lower Upper
94 100
96 93.6 76.7 115.1



#6
Chloroethane
Concen: 20.291 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 64 Resp: 30456
Ion Ratio Lower Upper
64 100
66 31.8 26.6 40.0



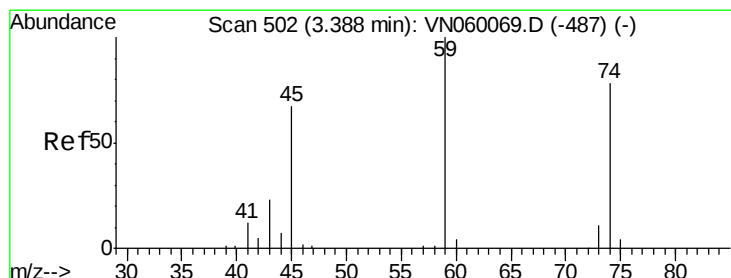
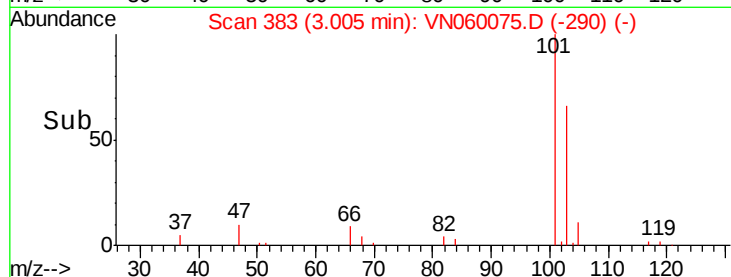
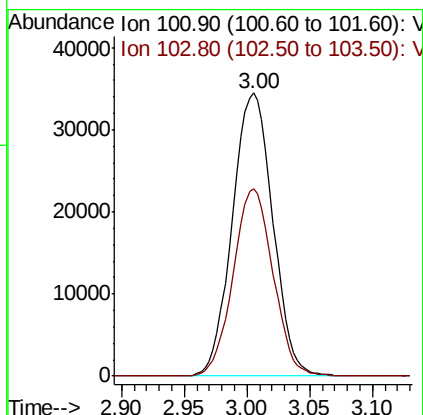
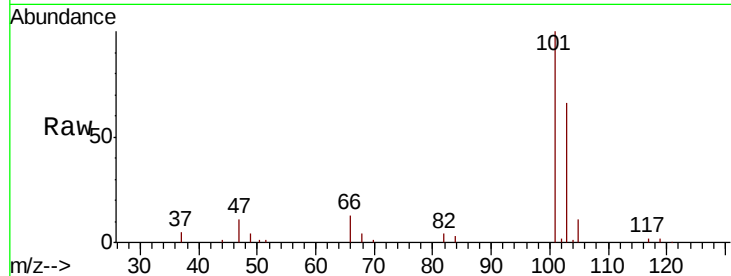


#7

Trichlorofluoromethane
 Concen: 20.226 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Instrument :
 MSVOA_N
 ClientSampled :

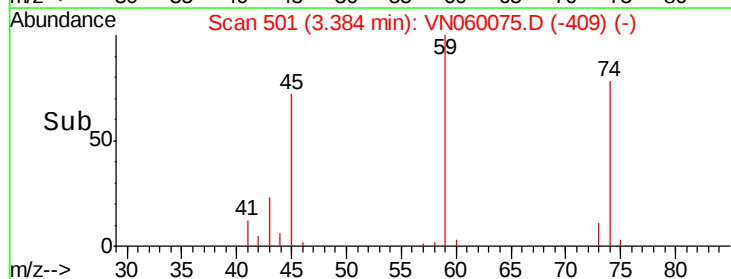
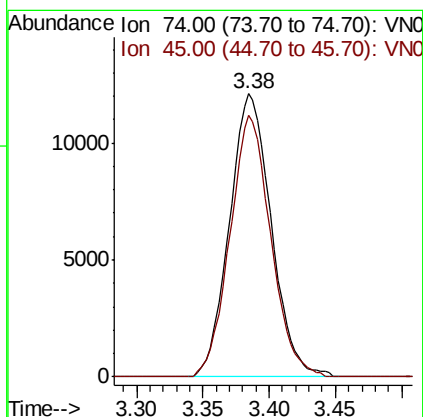
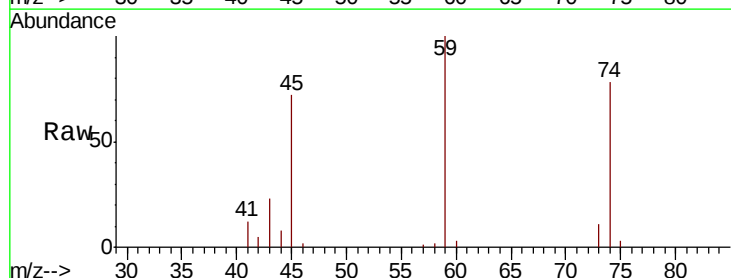
Tot Ion:101 Resp: 77385
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.0 76.6

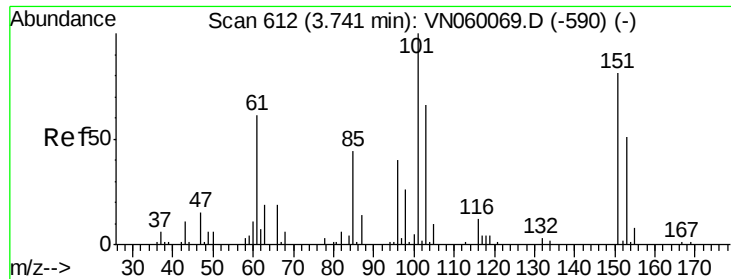


#8

Diethyl Ether
 Concen: 20.811 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion: 74 Resp: 26505
 Ion Ratio Lower Upper
 74 100
 45 90.4 44.7 134.1

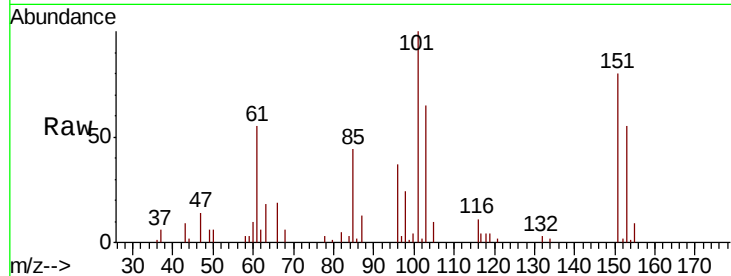




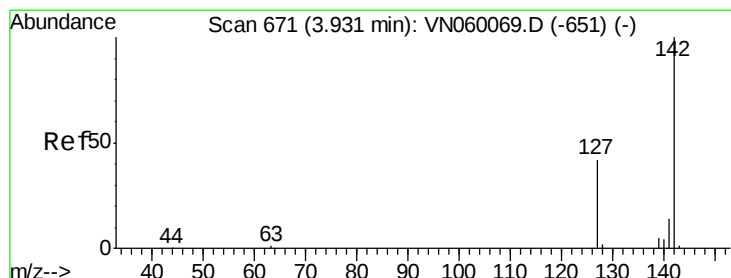
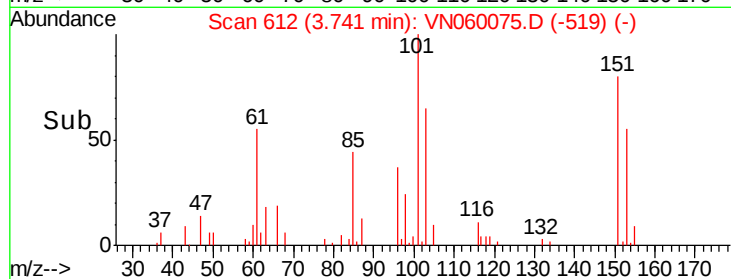
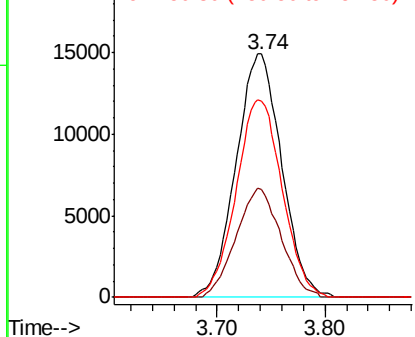
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.614 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 43787
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.1 52.7
 151 81.8 65.8 98.6

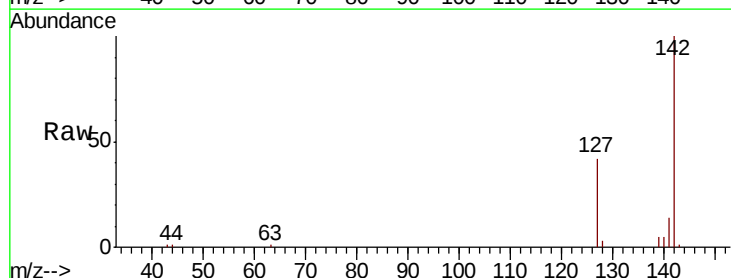


Abundance Ion 100.90 (100.60 to 101.60): V
 20000 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

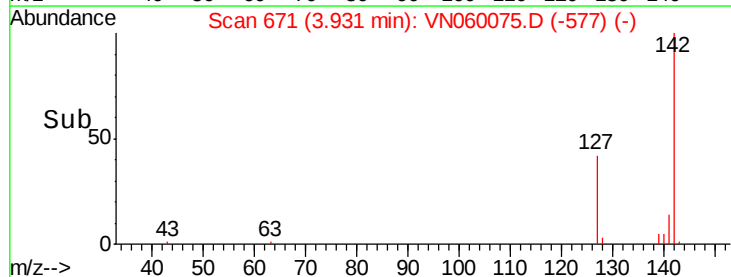
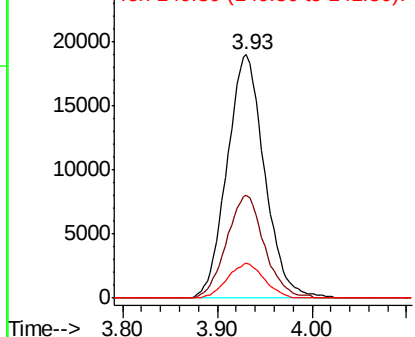


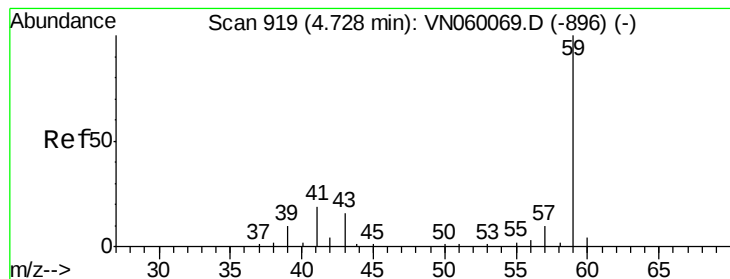
#10
 Methyl Iodide
 Concen: 19.889 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion:142 Resp: 52273
 Ion Ratio Lower Upper
 142 100
 127 42.5 33.6 50.4
 141 13.9 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 25000 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



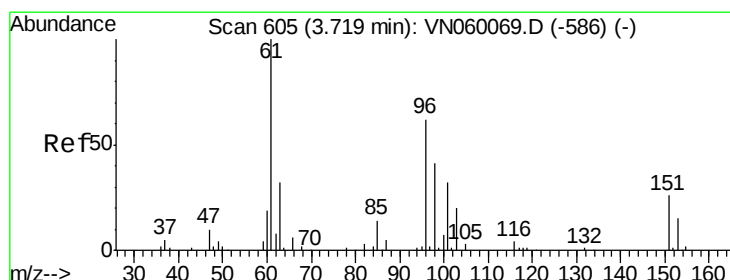
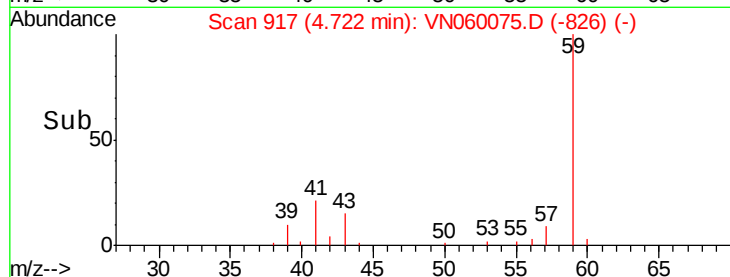
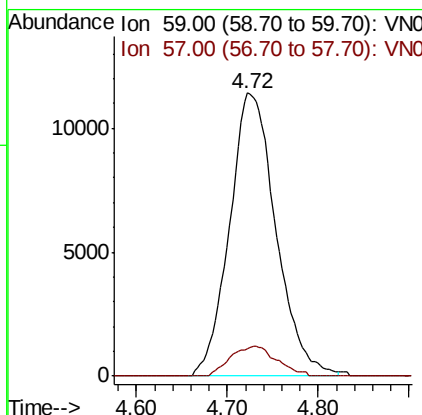
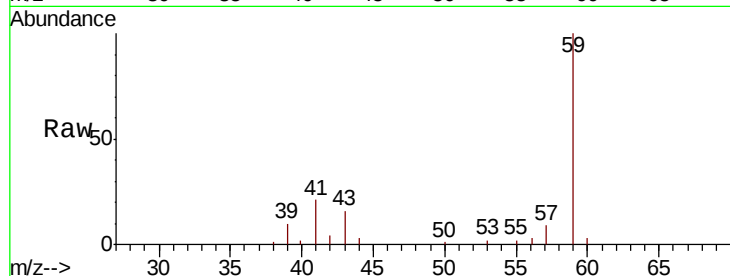


#11

Tert butyl alcohol
 Concen: 101.448 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :

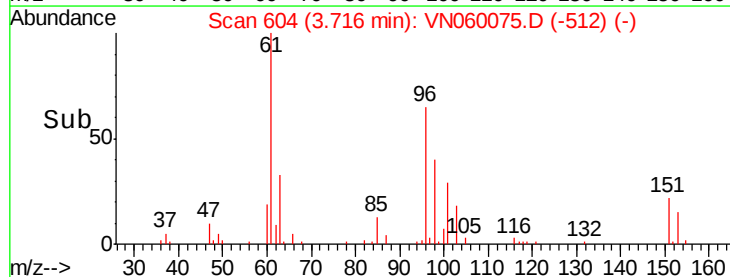
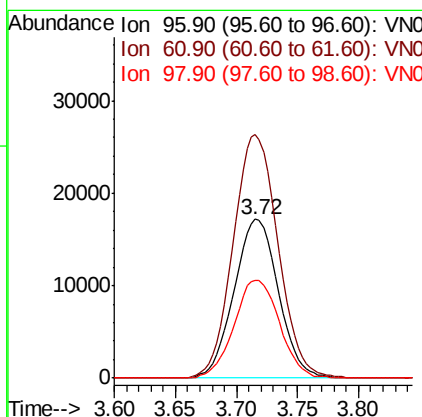
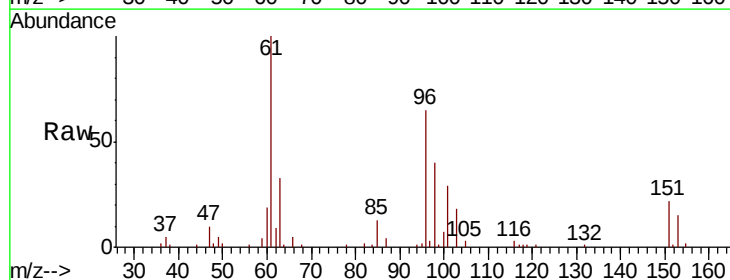
Tot Ion: 59 Resp: 40431
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.4

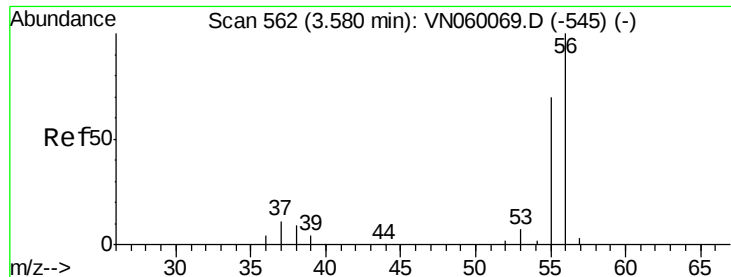


#12

1,1-Dichloroethene
 Concen: 20.887 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion: 96 Resp: 43222
 Ion Ratio Lower Upper
 96 100
 61 153.6 128.3 192.5
 98 62.0 52.2 78.4





#13

Acrolein

Concen: 92.417 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

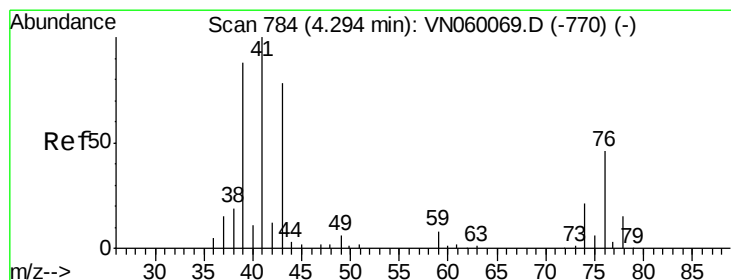
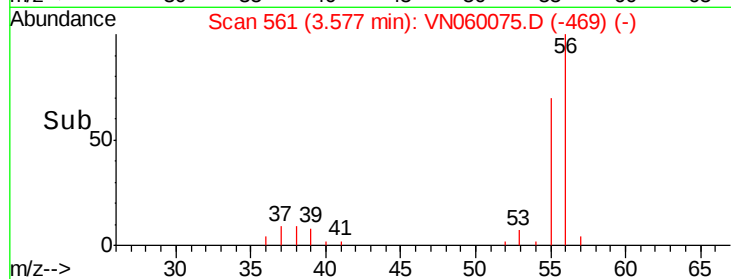
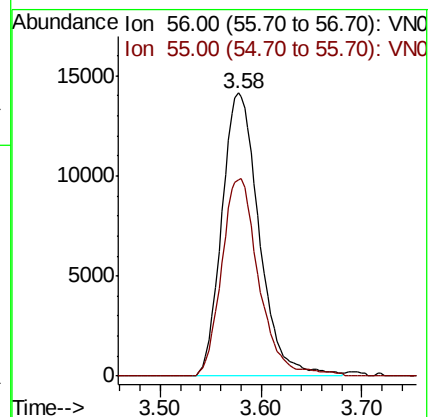
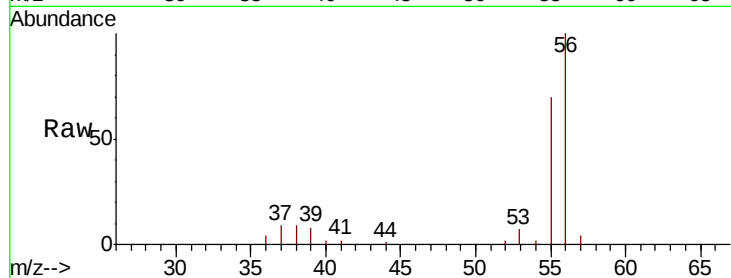
ClientSampleId :

Tot Ion: 56 Resp: 36406

Ion Ratio Lower Upper

56 100

55 69.8 54.8 82.2



#14

Allyl chloride

Concen: 19.238 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

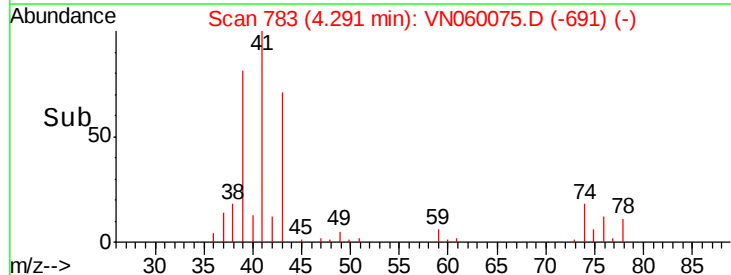
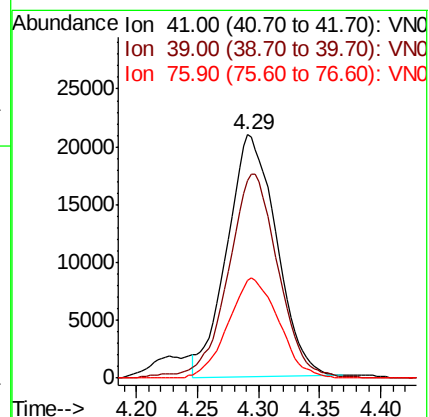
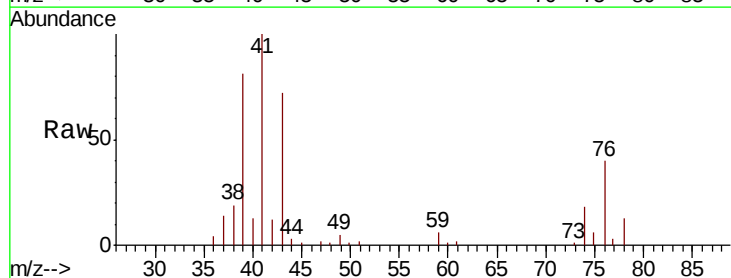
Tgt Ion: 41 Resp: 58593

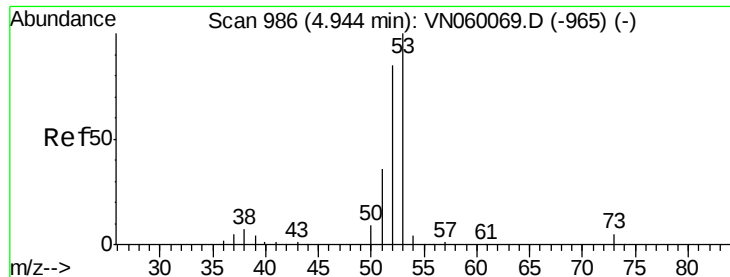
Ion Ratio Lower Upper

41 100

39 86.1 67.8 101.8

76 42.4 33.9 50.9





#15

Acrylonitrile

Concen: 102.629 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

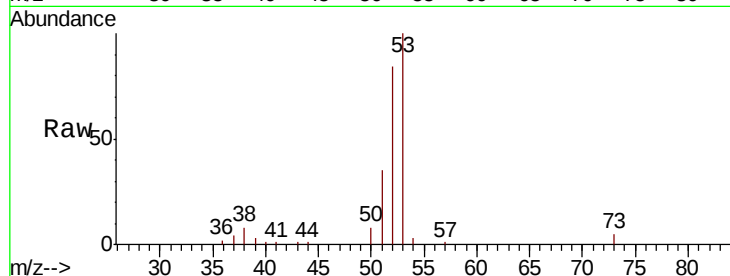
Tot Ion: 53 Resp: 99888

Ion Ratio Lower Upper

53 100

52 83.7 66.8 100.2

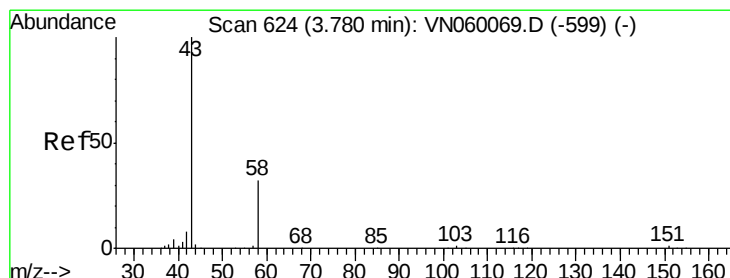
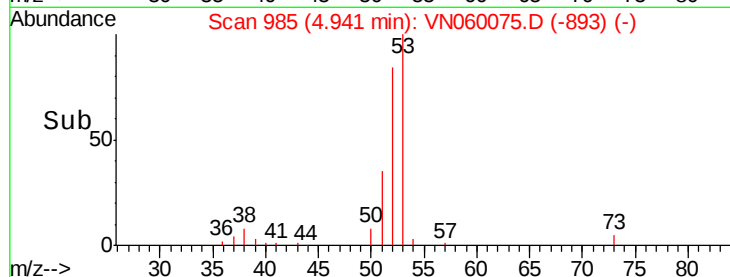
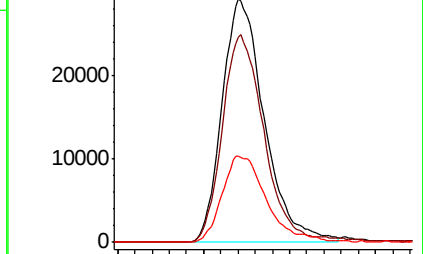
51 37.3 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN060069.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060069.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060069.D (-965) (-)



#16

Acetone

Concen: 90.238 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060075.D

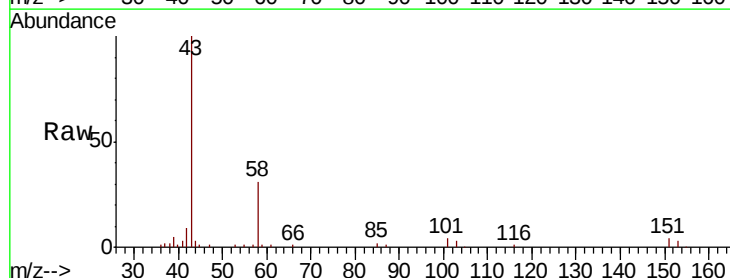
Acq: 12 Feb 2020 15:42

Tgt Ion: 43 Resp: 104829

Ion Ratio Lower Upper

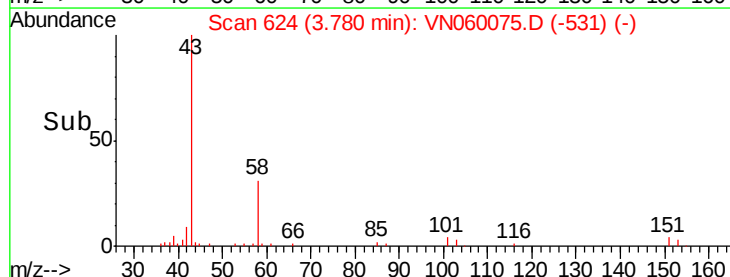
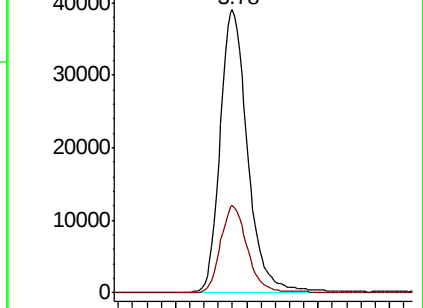
43 100

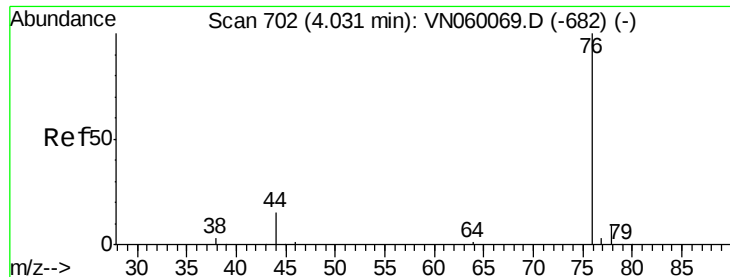
58 30.8 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-599) (-)

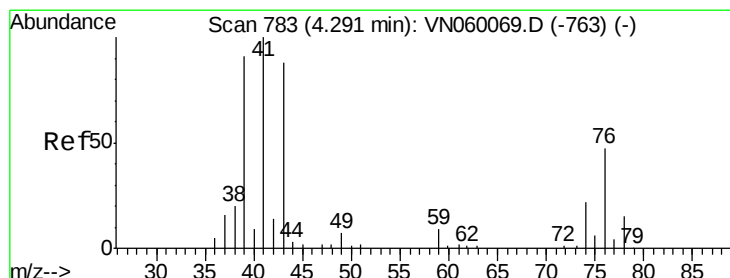
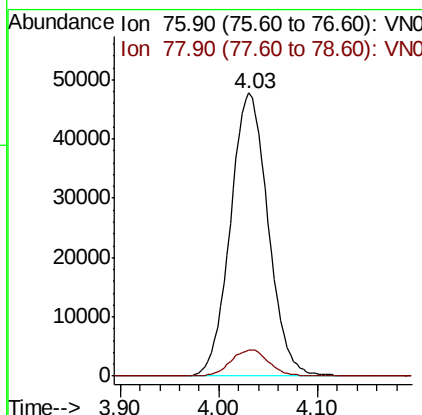
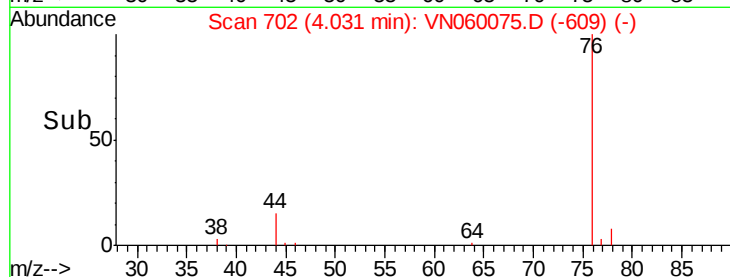
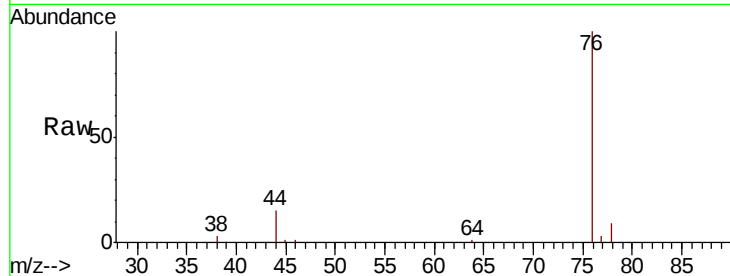




#17
Carbon Disulfide
Concen: 20.336 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

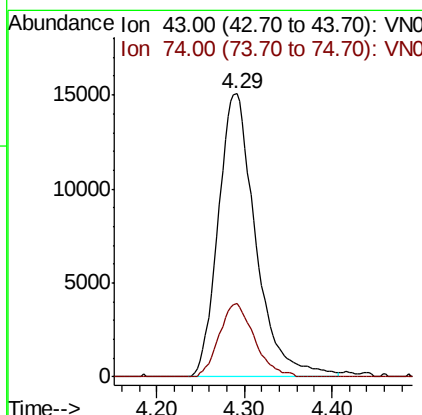
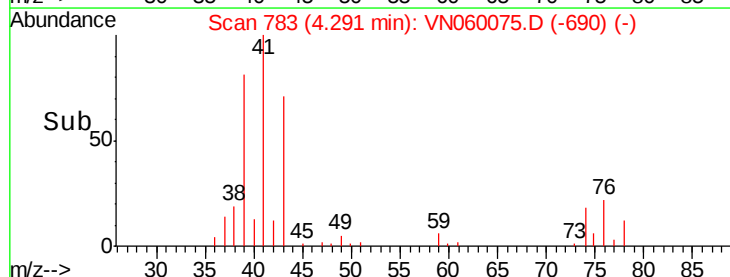
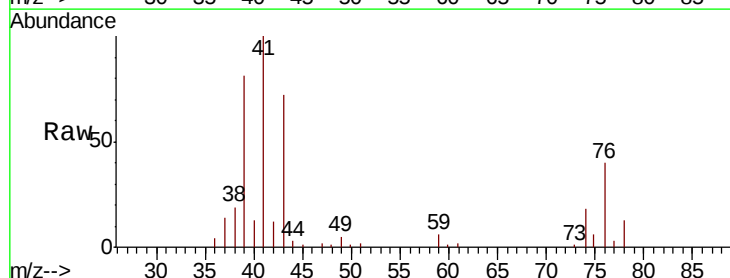
Instrument :
MSVOA_N
ClientSampled :

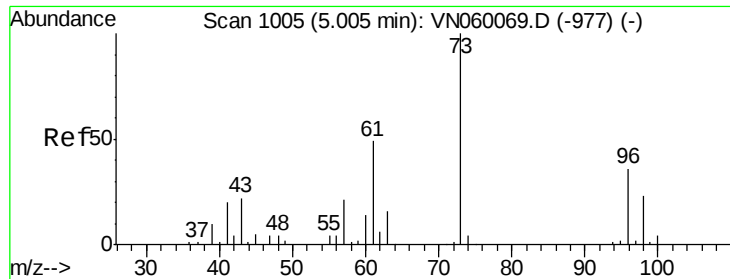
Tot Ion: 76 Resp: 126843
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 20.530 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 43 Resp: 44802
Ion Ratio Lower Upper
43 100
74 24.3 20.3 30.5

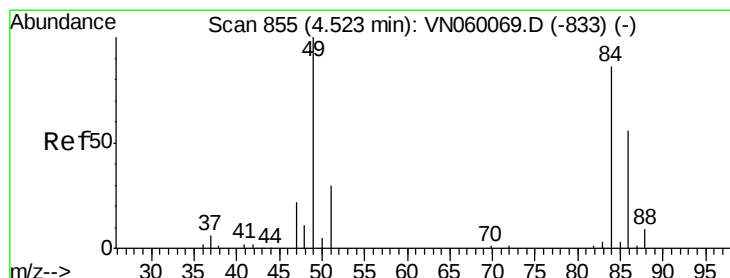
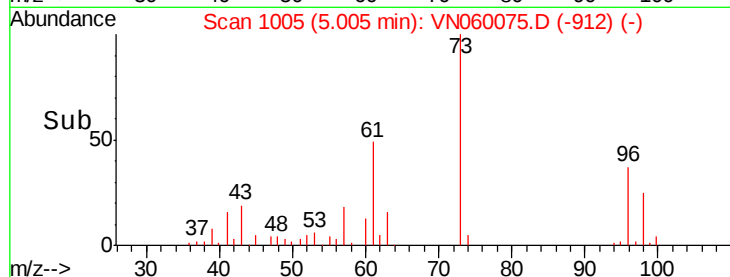
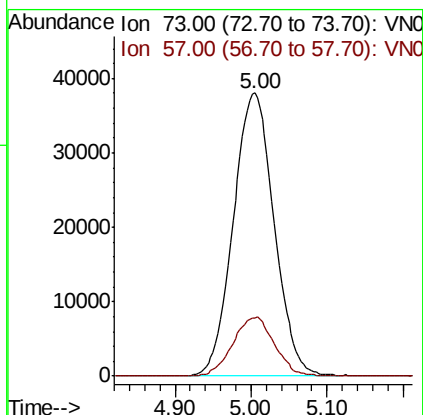
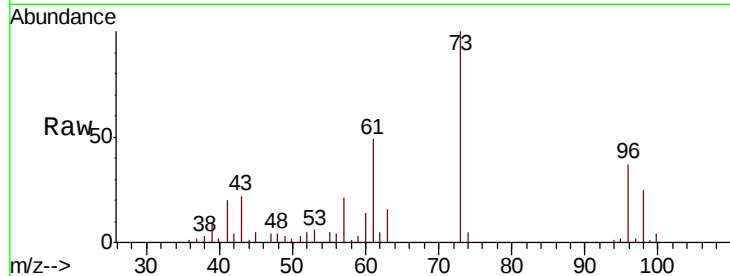




#19
Methvl tert-butvl Ether
Concen: 20.417 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

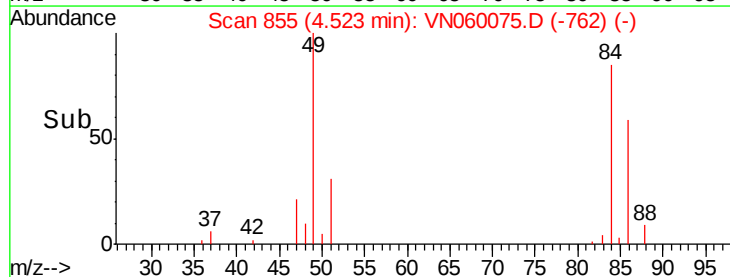
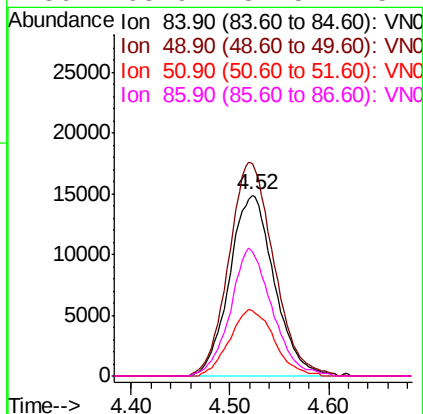
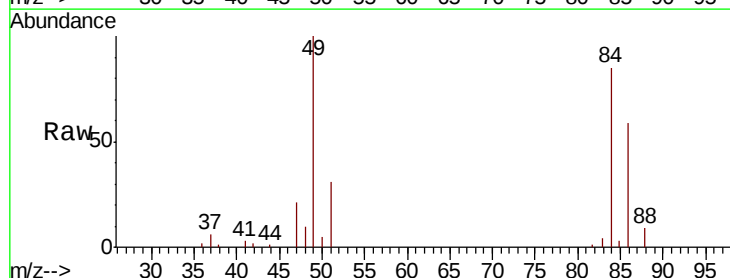
Instrument :
MSVOA_N
ClientSampled :

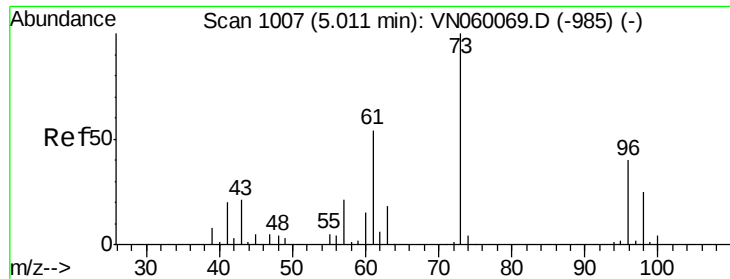
Tot Ion: 73 Resp: 142080
Ion Ratio Lower Upper
73 100
57 20.6 17.2 25.8



#20
Methylene Chloride
Concen: 20.256 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 84 Resp: 46947
Ion Ratio Lower Upper
84 100
49 117.6 93.4 140.0
51 36.1 28.4 42.6
86 68.9 52.5 78.7

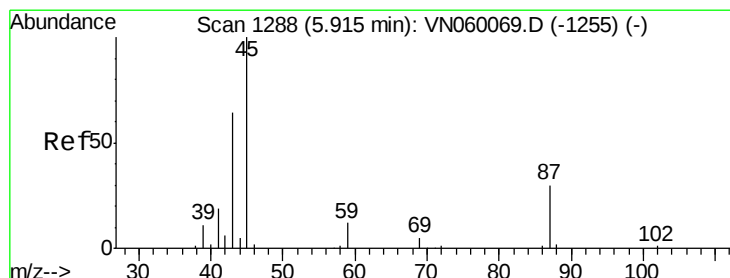
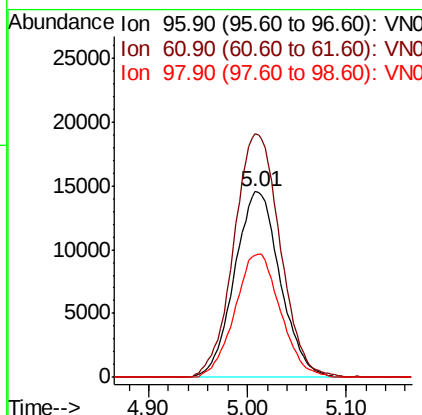
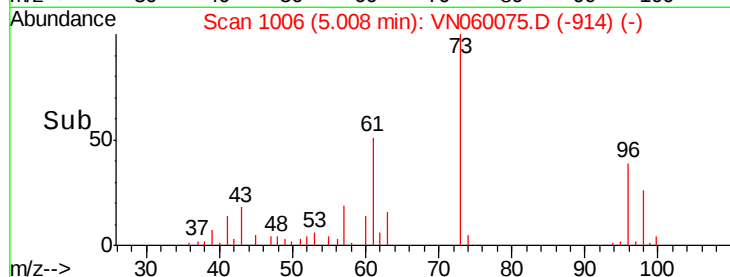
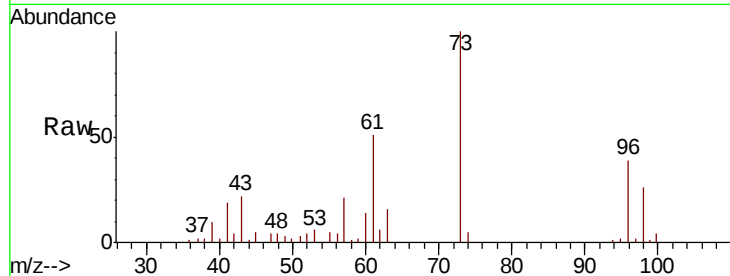




#21
trans-1,2-Dichloroethene
Concen: 20.655 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

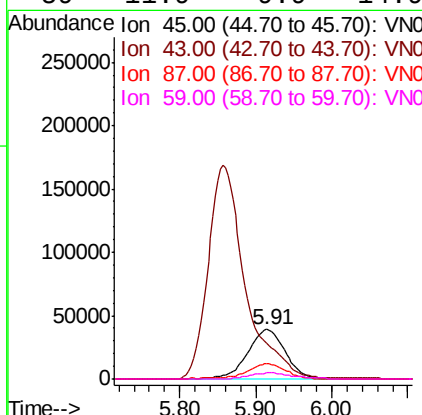
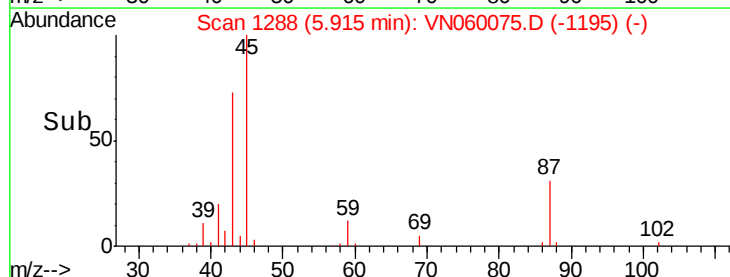
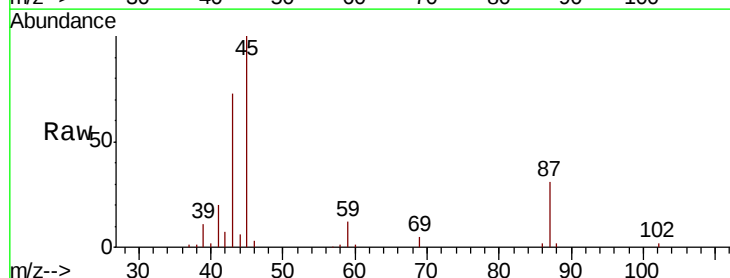
Instrument :
MSVOA_N
ClientSampled :

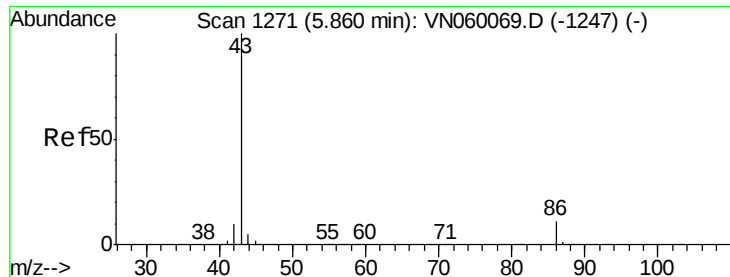
Tot Ion: 96 Resp: 46592
Ion Ratio Lower Upper
96 100
61 131.1 109.3 163.9
98 65.8 51.0 76.6



#22
Diisopropyl ether
Concen: 20.177 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 45 Resp: 134680
Ion Ratio Lower Upper
45 100
43 70.2 55.9 83.9
87 31.0 24.5 36.7
59 11.9 9.9 14.9

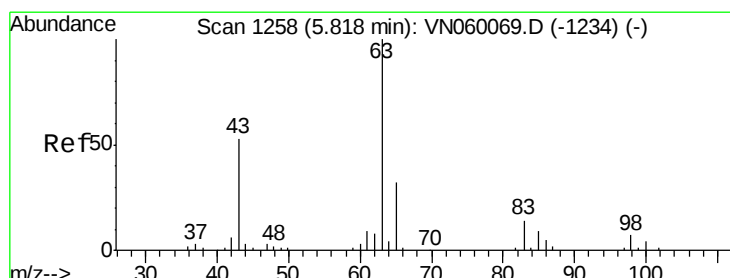
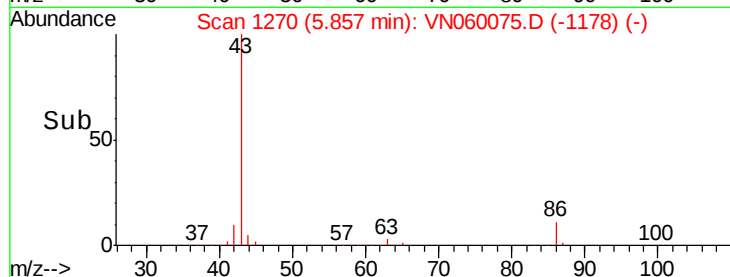
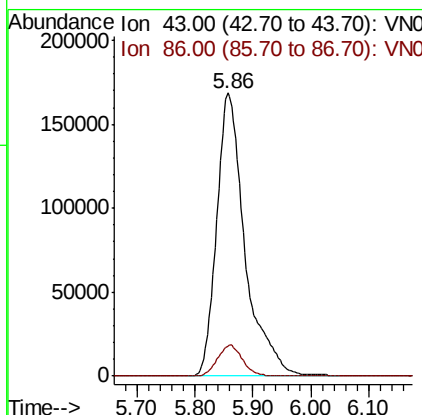
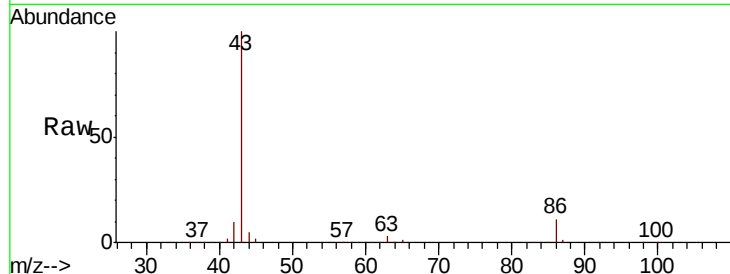




#23
 Vinyl Acetate
 Concen: 102.401 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

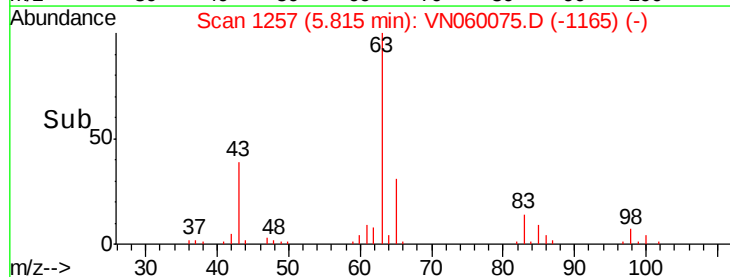
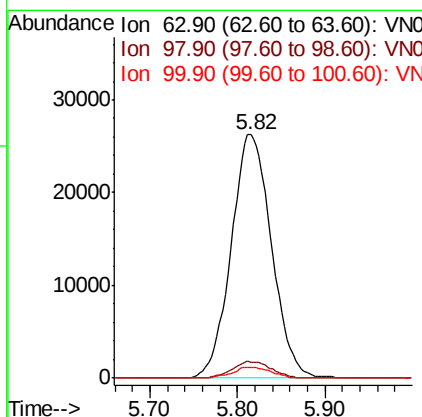
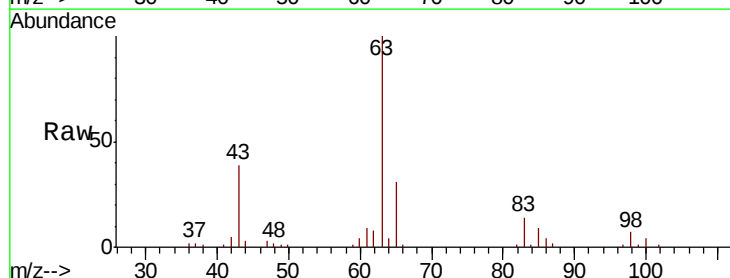
Instrument :
 MSVOA_N
 ClientSampleId :

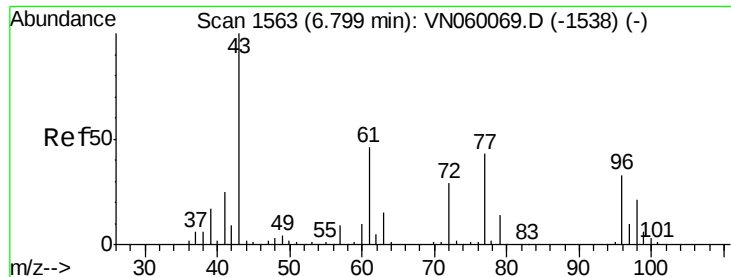
Tot Ion: 43 Resp: 574002
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 20.703 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion: 63 Resp: 83714
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 98.440 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

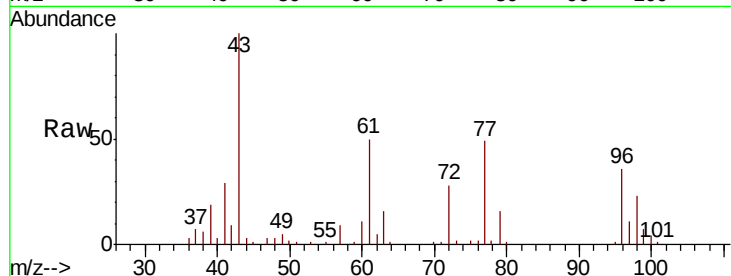
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 143824

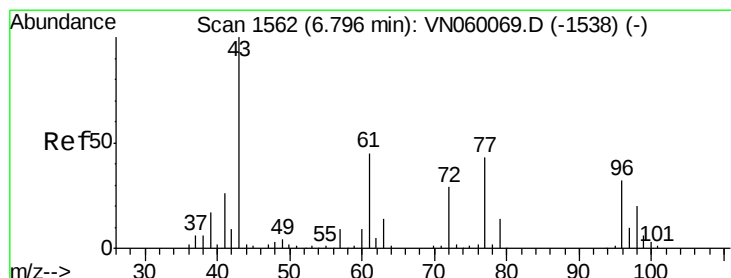
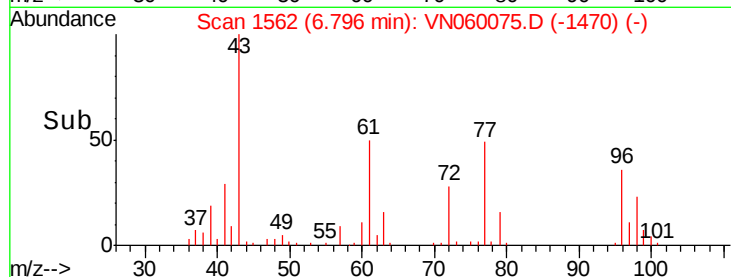
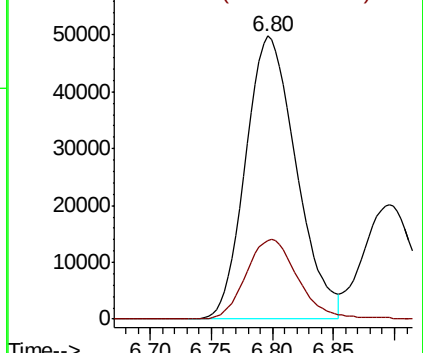
Ion Ratio Lower Upper

43 100

72 27.6 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)



#26

2,2-Dichloropropane

Concen: 20.363 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060075.D

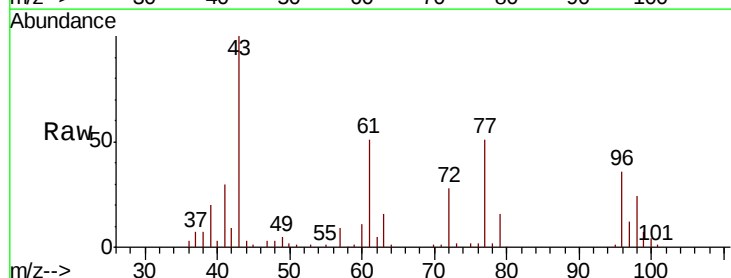
Acq: 12 Feb 2020 15:42

Tgt Ion: 77 Resp: 78209

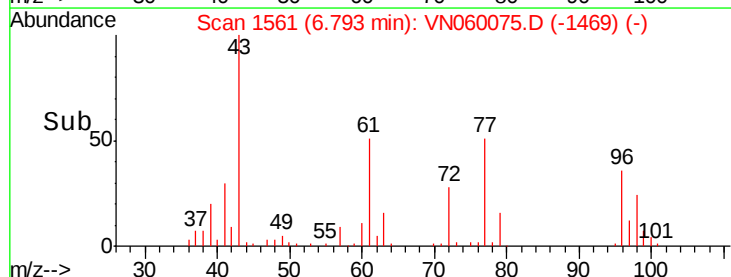
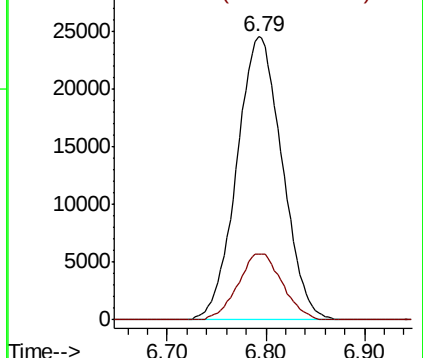
Ion Ratio Lower Upper

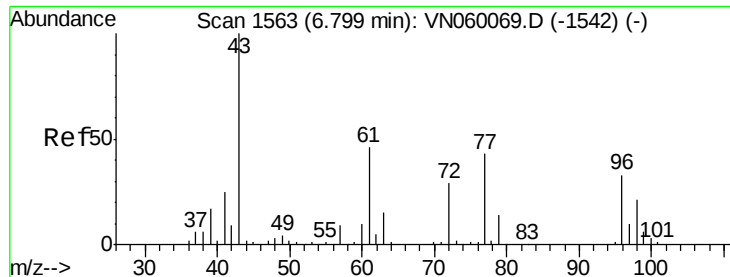
77 100

97 22.6 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060069.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 20.237 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

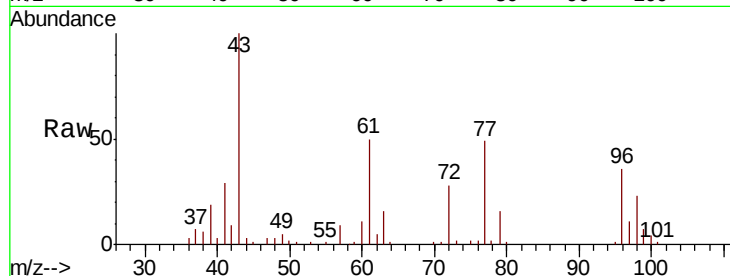
Tot Ion: 96 Resp: 53424

Ion Ratio Lower Upper

96 100

61 142.5 0.0 285.8

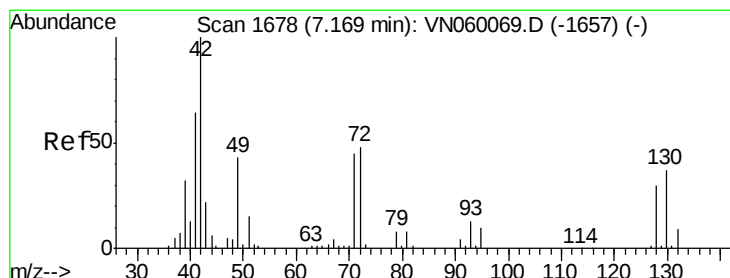
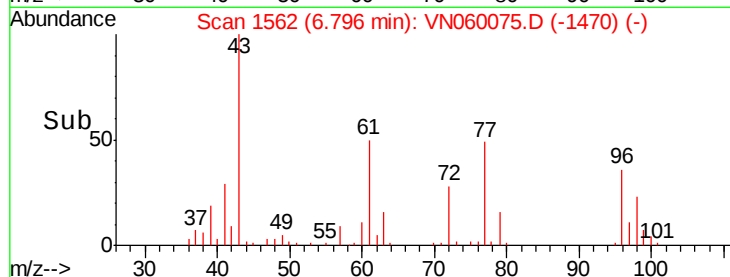
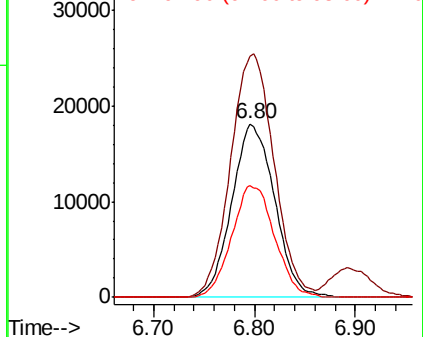
98 64.5 0.0 129.6



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: 20.807 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

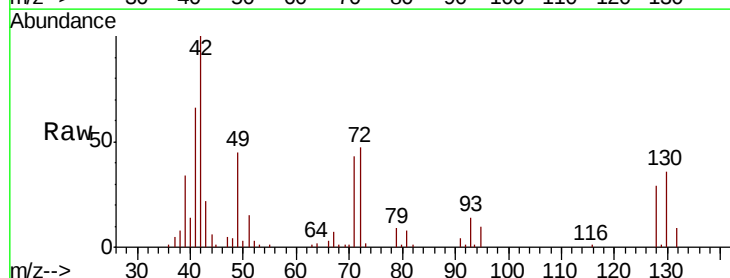
Tgt Ion: 49 Resp: 33076

Ion Ratio Lower Upper

49 100

129 2.0 0.0 2.2

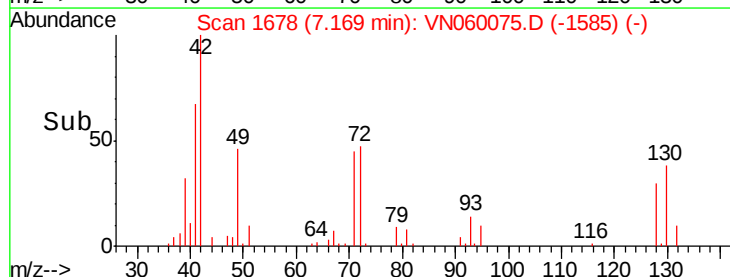
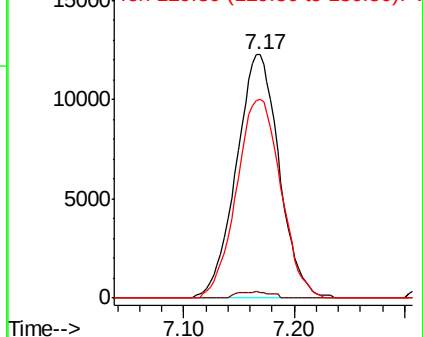
130 84.6 66.8 100.2

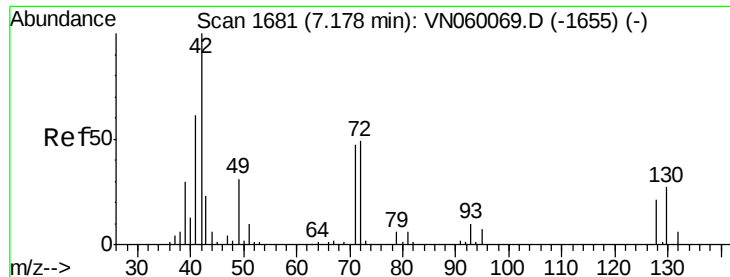


Abundance Ion 48.90 (48.60 to 49.60): VN060069.D (-1657) (-)

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

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

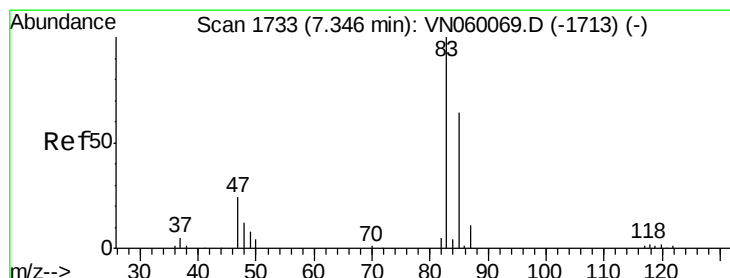
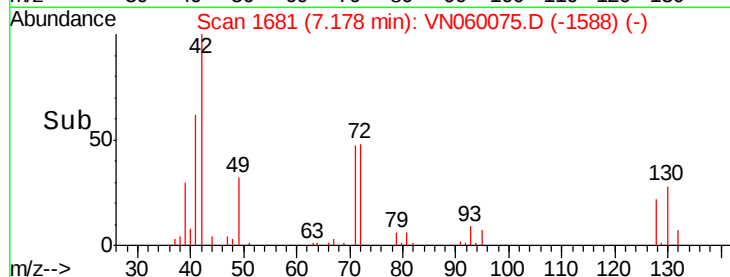
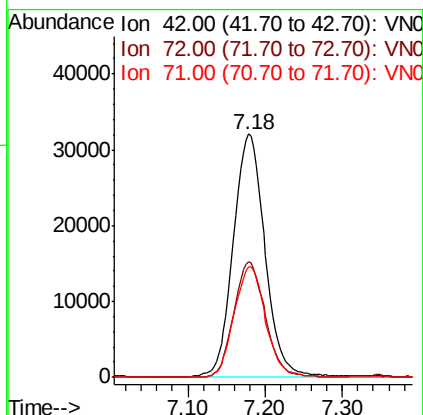
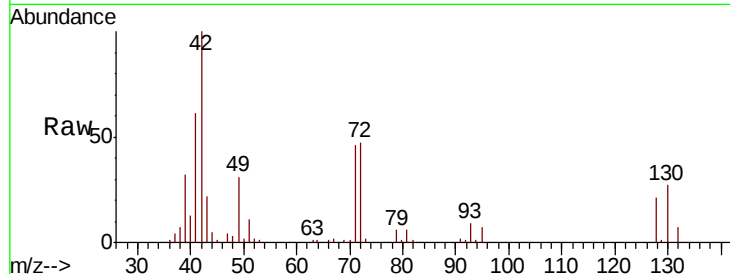




#29
Tetrahydrofuran
Concen: 101.999 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

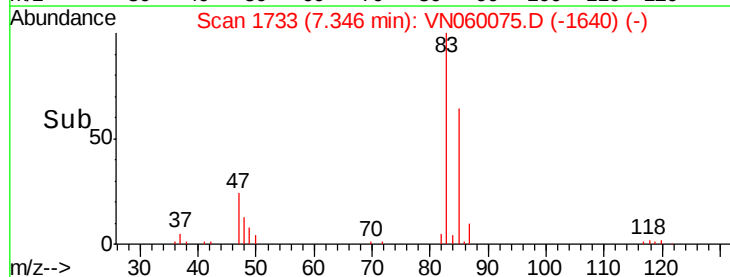
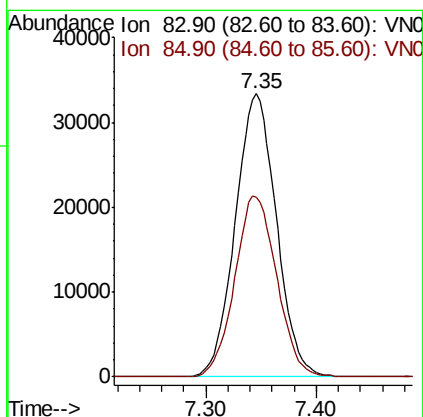
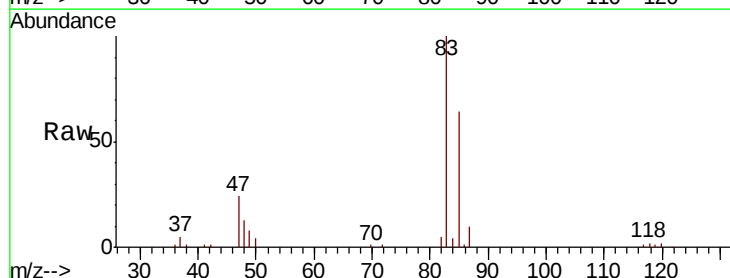
Instrument :
MSVOA_N
ClientSampled :

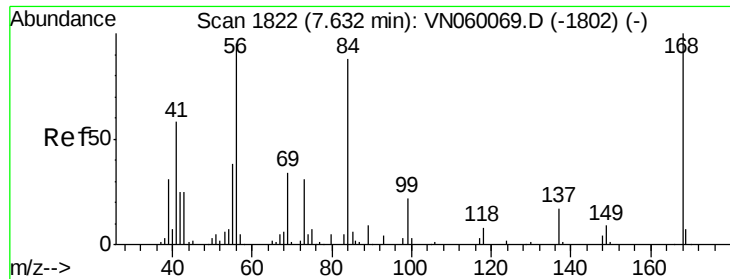
Tot Ion: 42 Resp: 91423
Ion Ratio Lower Upper
42 100
72 47.0 38.2 57.4
71 45.2 36.6 54.8



#30
Chloroform
Concen: 20.311 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 83 Resp: 86031
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.0

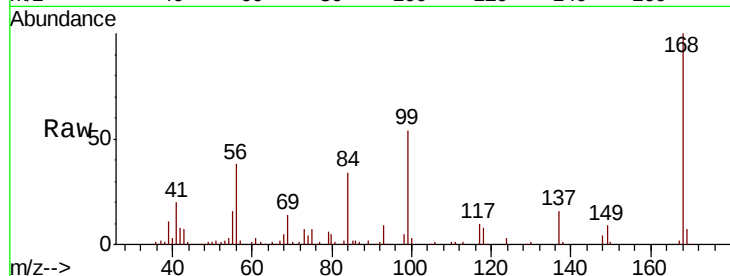




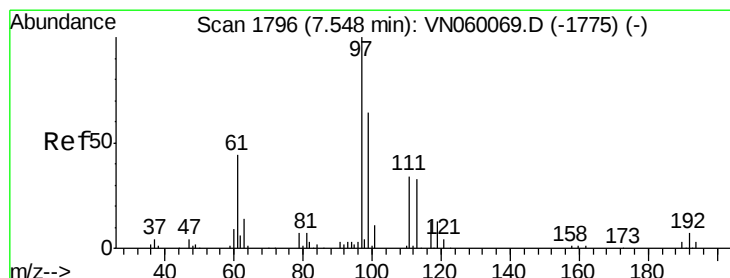
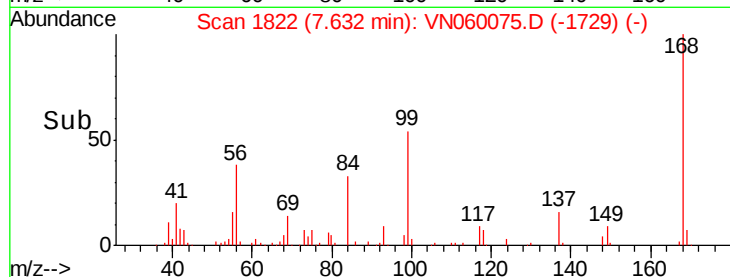
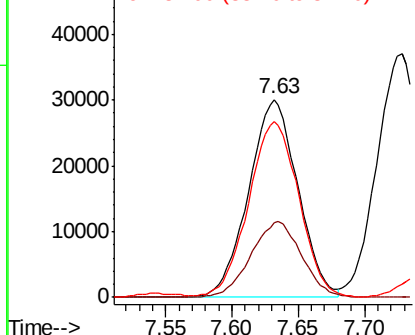
#31
Cyclohexane
Concen: 20.579 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 77516
Ion Ratio Lower Upper
56 100
69 37.6 28.3 42.5
84 87.9 72.6 108.8

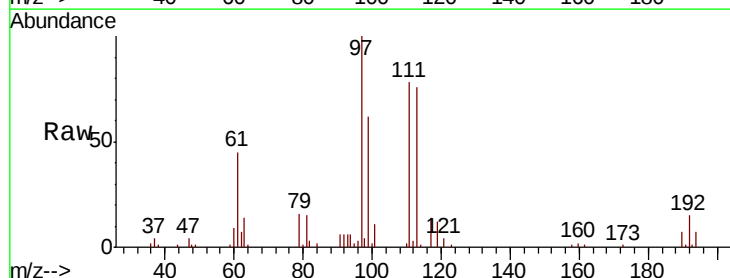


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

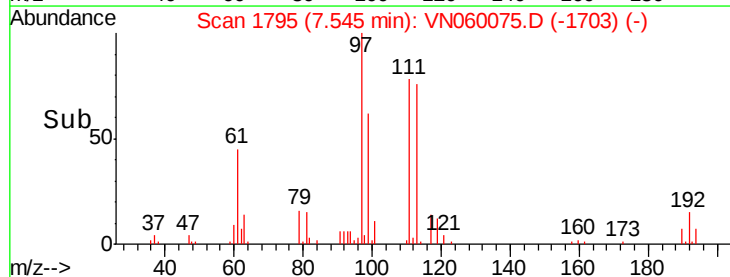
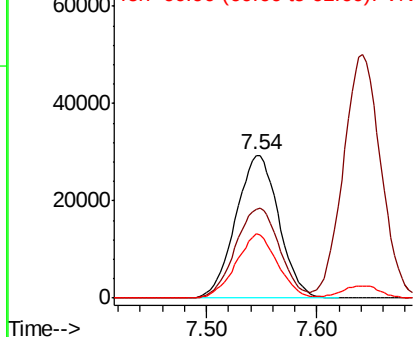


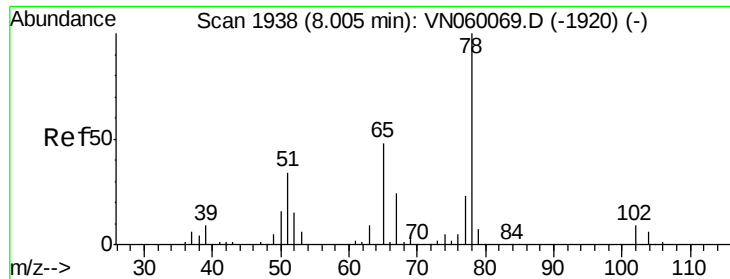
#32
1,1,1-Trichloroethane
Concen: 20.486 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 97 Resp: 79297
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.0
61 43.1 34.9 52.3



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

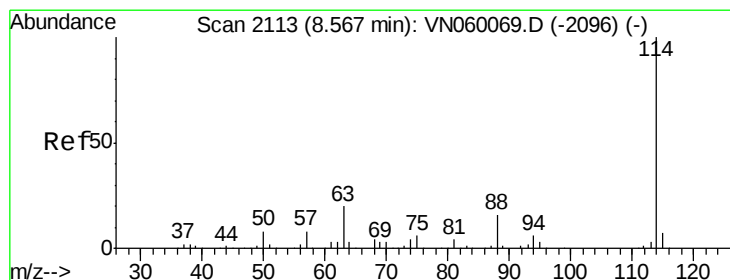
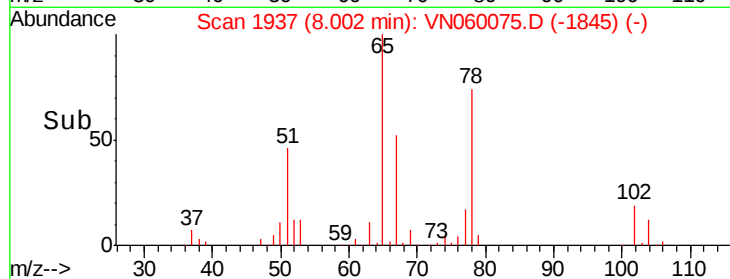
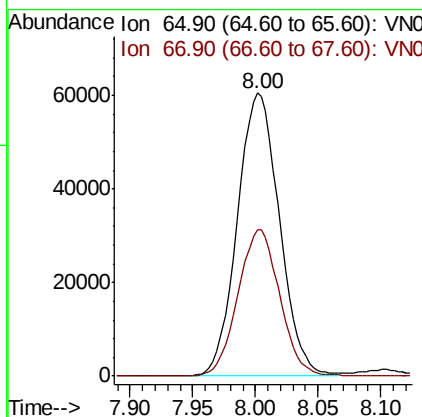
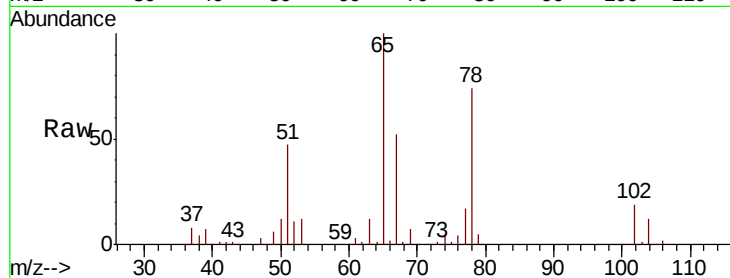




#33
 1,2-Dichloroethane-d4
 Concen: 53.063 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

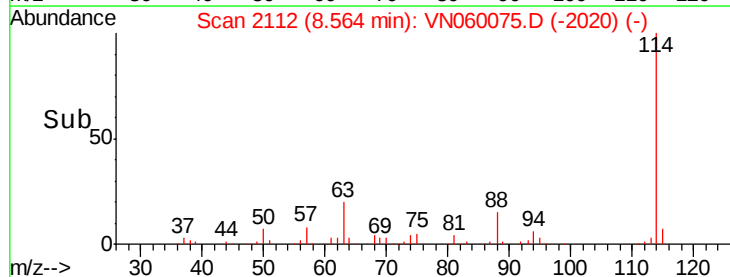
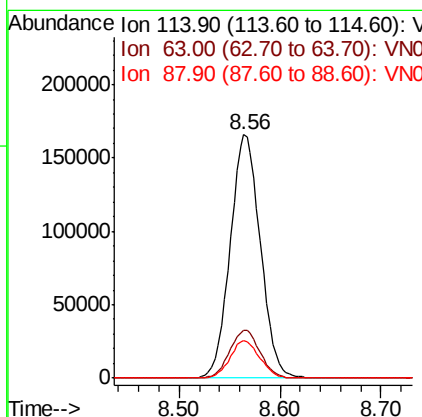
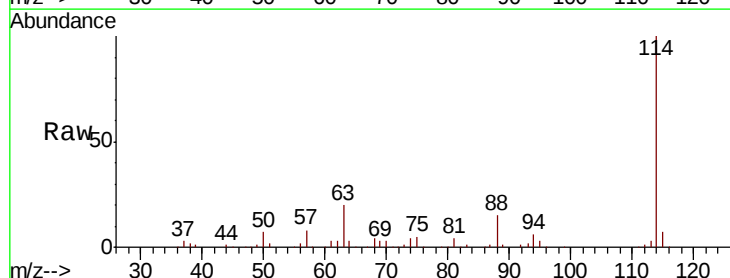
Instrument :
 MSVOA_N
 ClientSampleId :

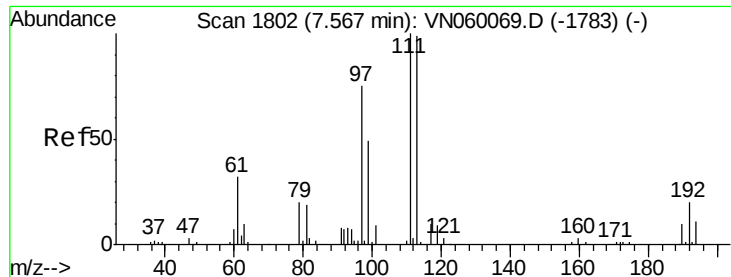
Tot Ion: 65 Resp: 141320
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion: 114 Resp: 344668
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.4 0.0 31.6

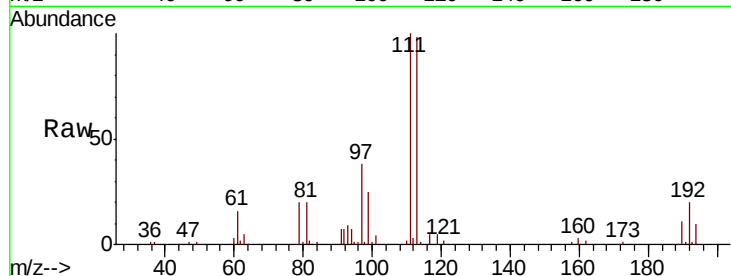




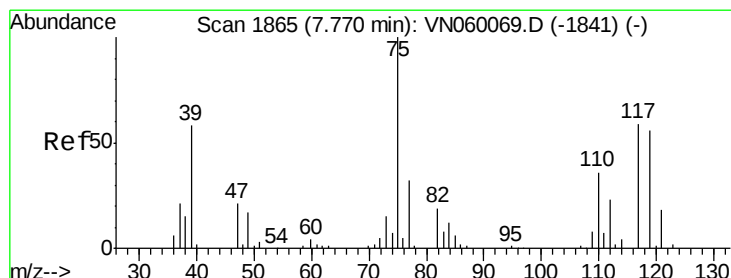
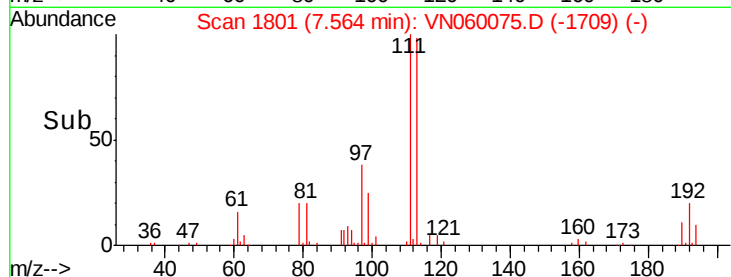
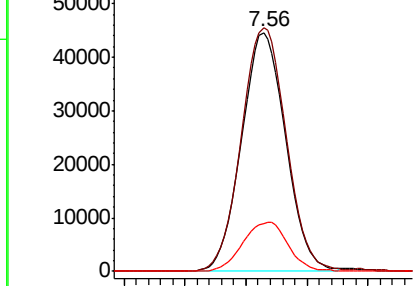
#35
 Dibromofluoromethane
 Concen: 52.654 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 111556
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.4 122.2
 192 21.0 16.2 24.2

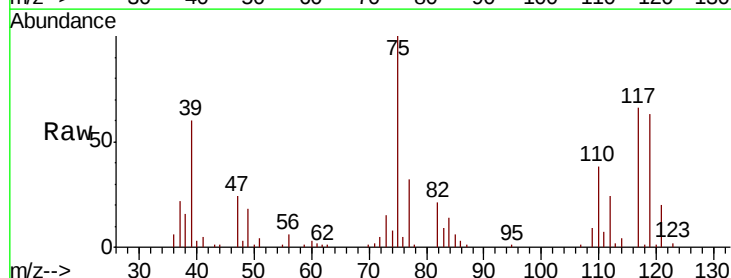


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

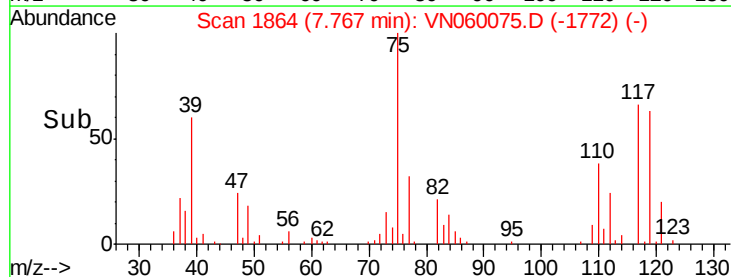
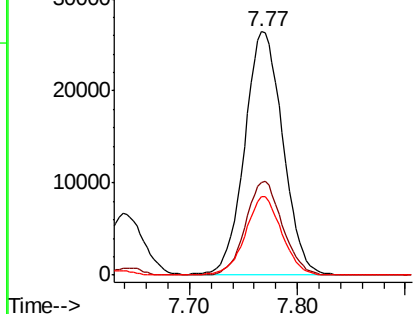


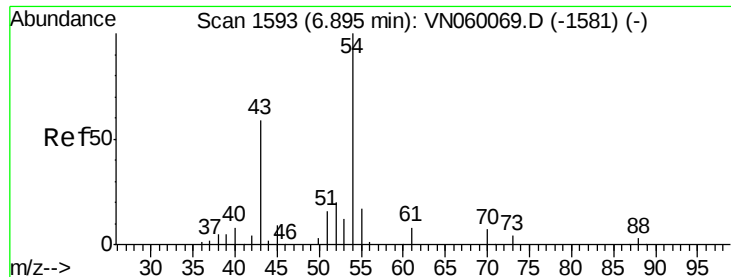
#36
 1,1-Dichloropropene
 Concen: 20.408 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion: 75 Resp: 65150
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.1 54.3
 77 30.6 25.1 37.7



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

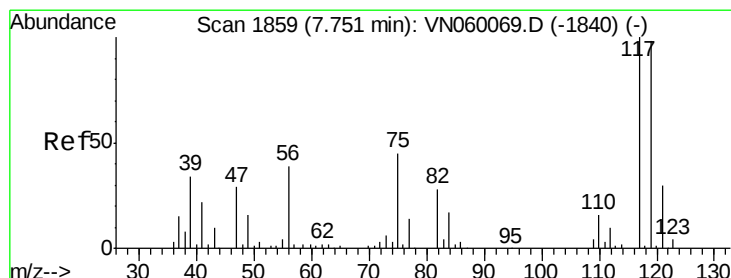
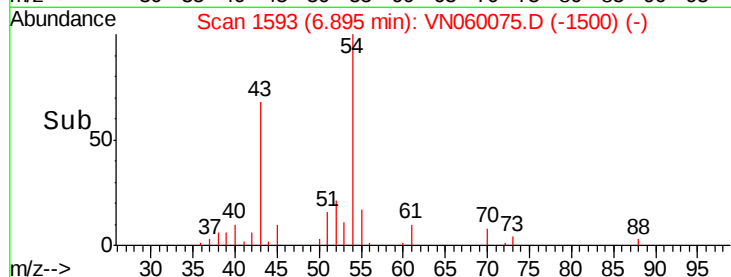
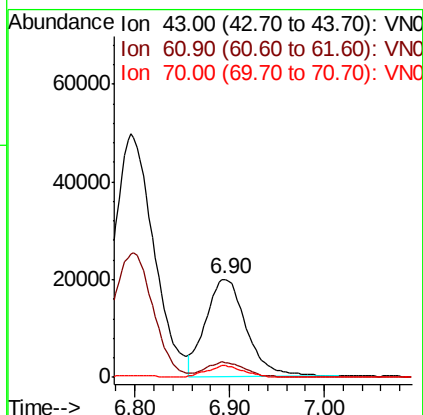
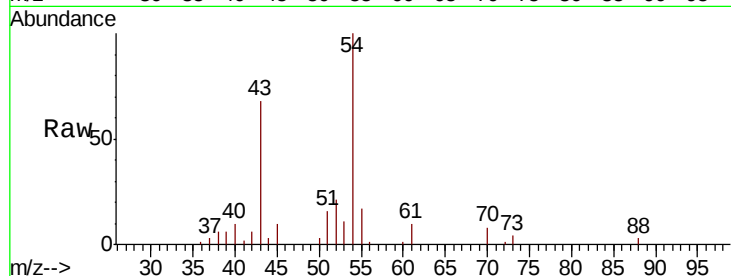




#37
Ethyl Acetate
Concen: 20.560 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

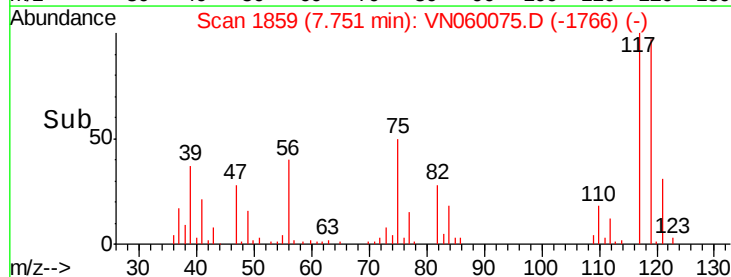
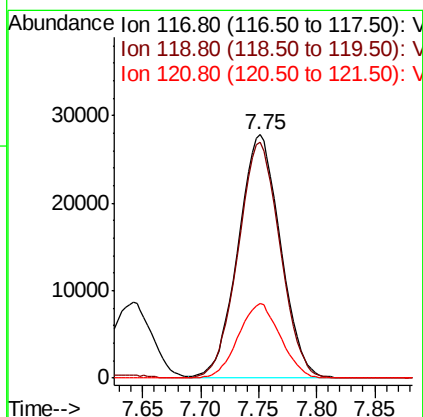
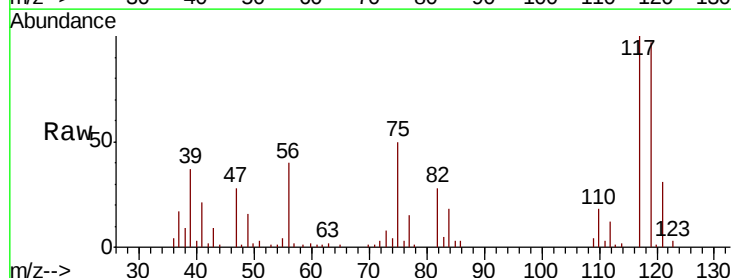
Instrument :
MSVOA_N
ClientSampleId :

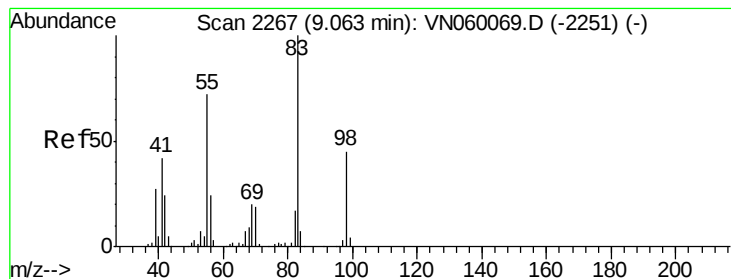
Tot Ion: 43 Resp: 59321
Ion Ratio Lower Upper
43 100
61 14.9 11.4 17.2
70 10.9 8.7 13.1



#38
Carbon Tetrachloride
Concen: 20.359 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 117 Resp: 70586
Ion Ratio Lower Upper
117 100
119 97.0 78.2 117.4
121 30.6 24.2 36.2





#39

Methvlcvclohexane

Concen: 20.432 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

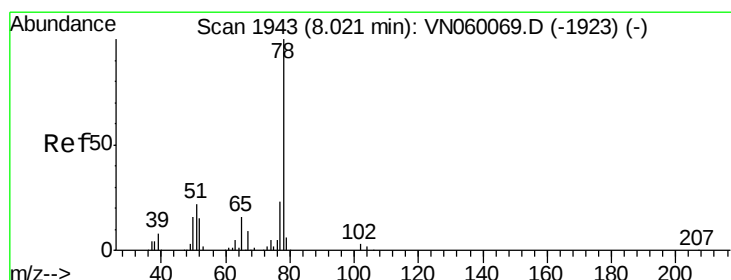
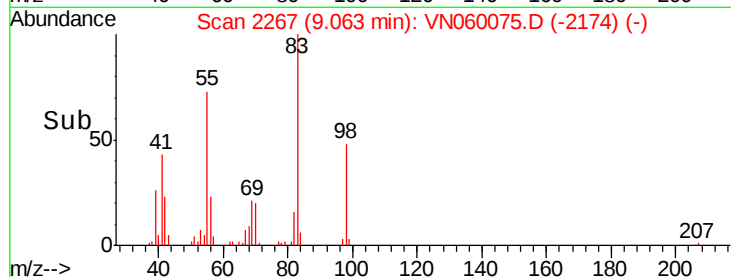
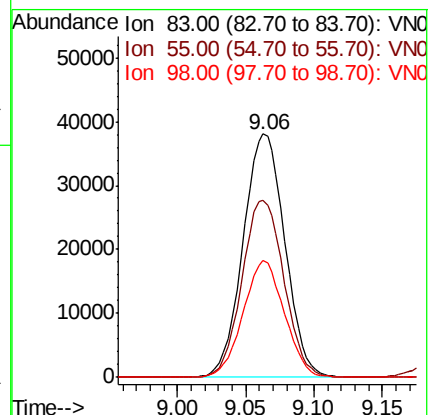
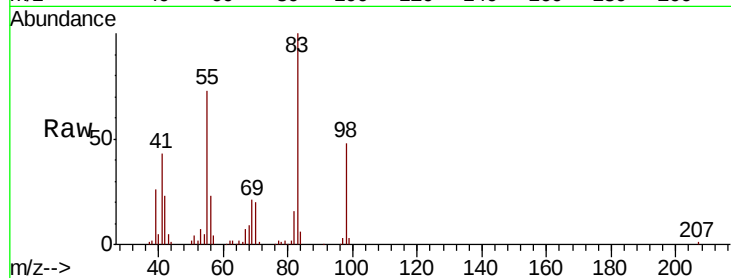
Tot Ion: 83 Resp: 80970

Ion Ratio Lower Upper

83 100

55 72.8 57.8 86.8

98 47.9 36.4 54.6



#40

Benzene

Concen: 20.299 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060075.D

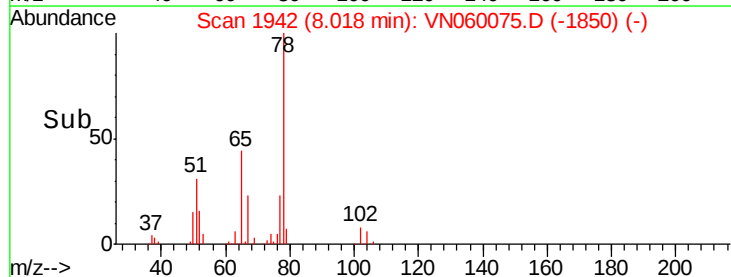
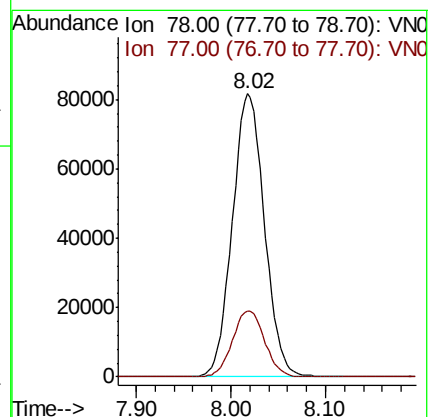
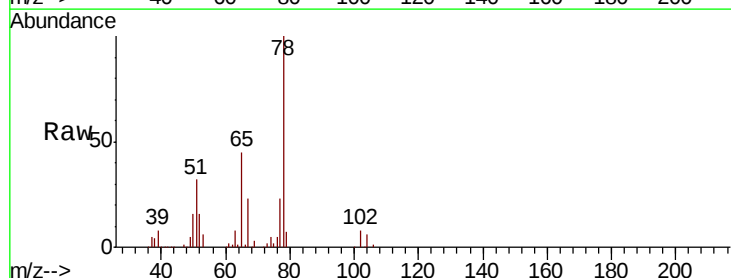
Acq: 12 Feb 2020 15:42

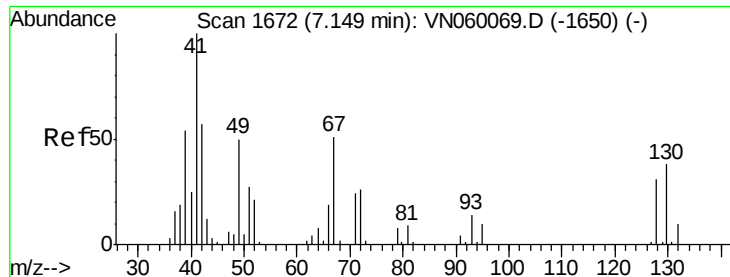
Tgt Ion: 78 Resp: 192230

Ion Ratio Lower Upper

78 100

77 23.3 18.8 28.2

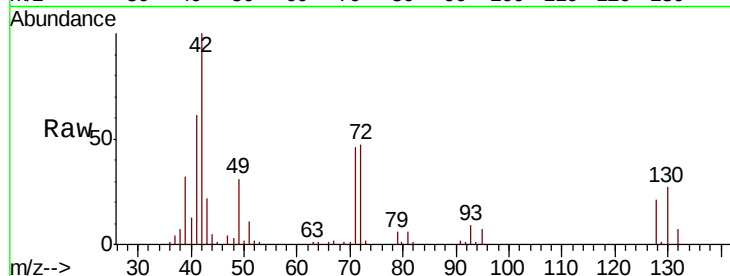




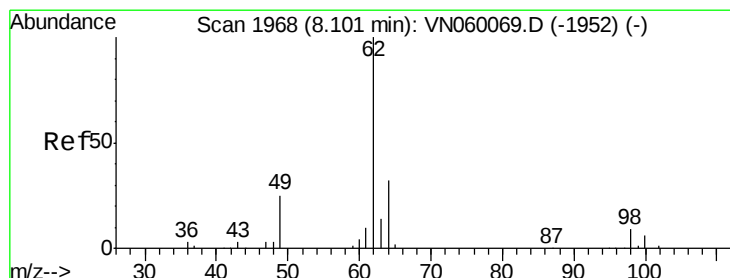
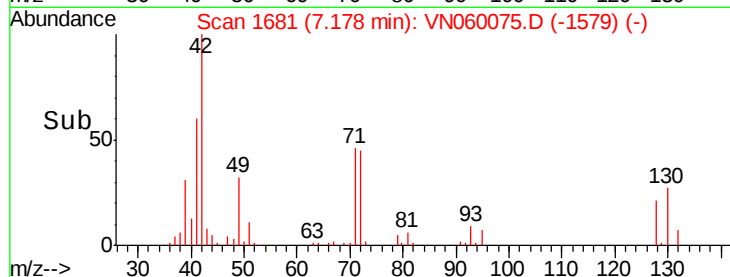
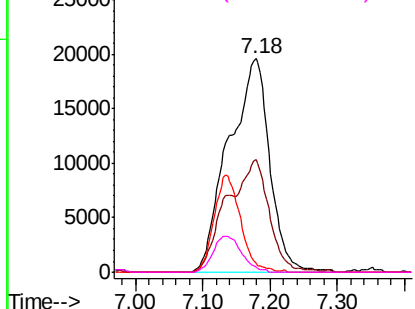
#41
Methacrylonitrile
Concen: 68.617 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	83026
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

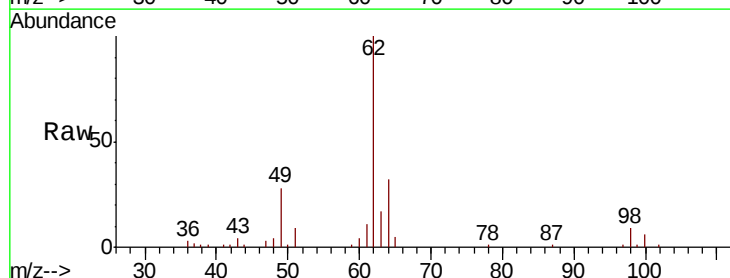


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

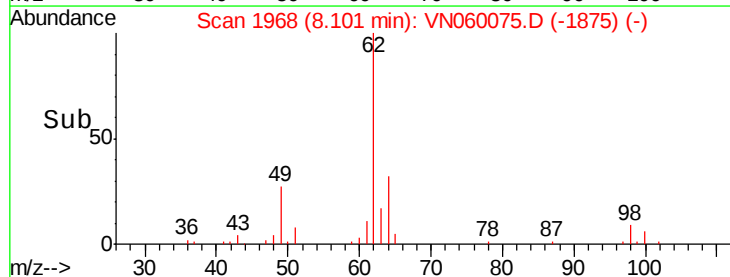
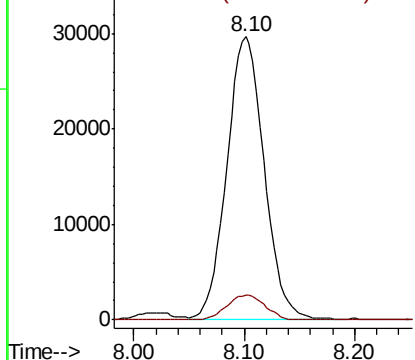


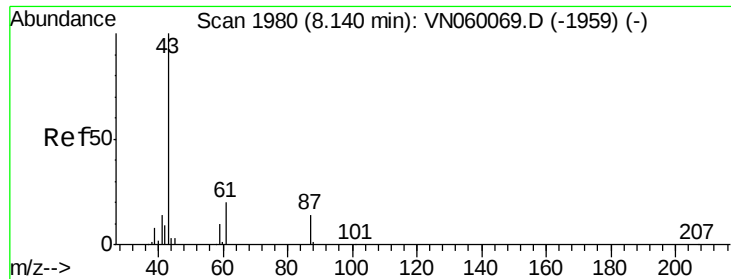
#42
1,2-Dichloroethane
Concen: 20.979 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion:	62	Resp:	69630
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



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

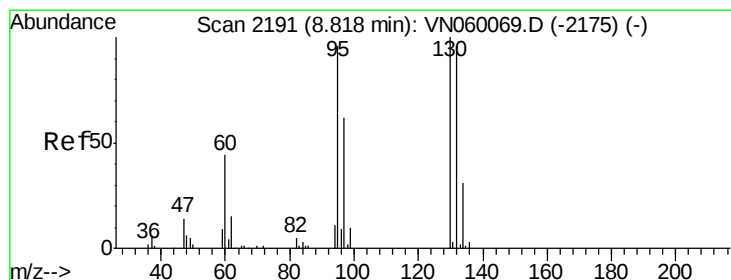
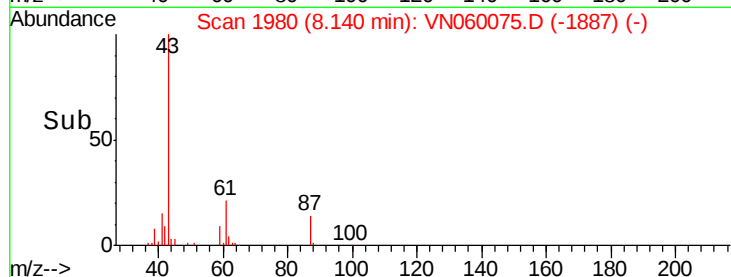
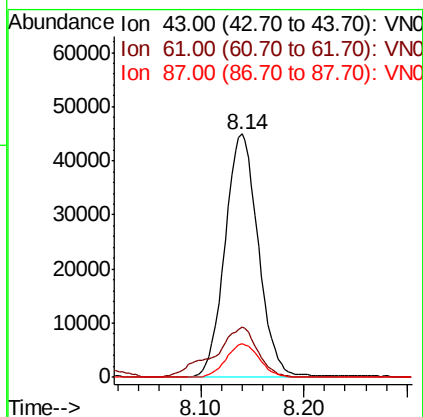
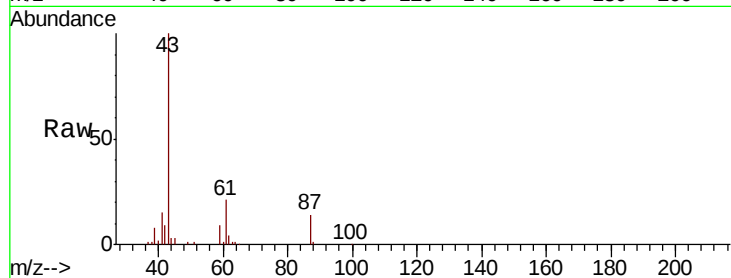




#43
Isopropyl Acetate
Concen: 20.537 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

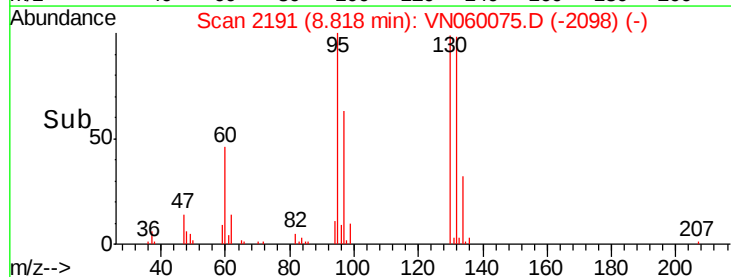
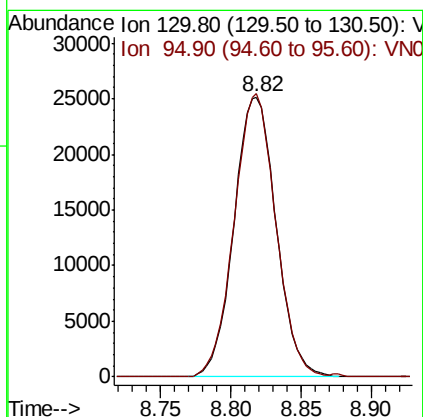
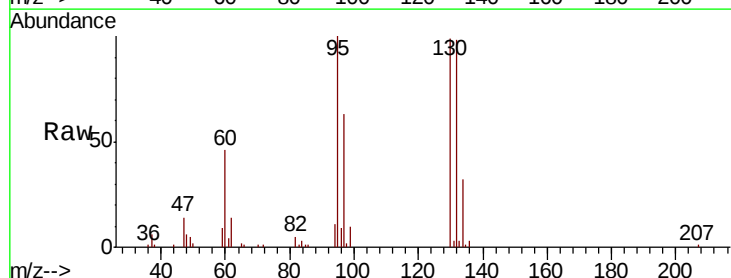
Instrument :
MSVOA_N
ClientSampleId :

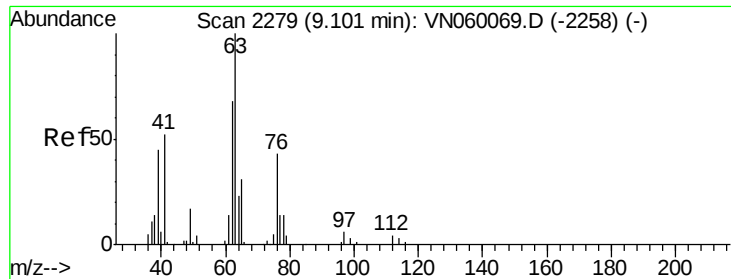
Tot Ion: 43 Resp: 101293
Ion Ratio Lower Upper
43 100
61 26.8 21.8 32.6
87 13.6 11.4 17.2



#44
Trichloroethene
Concen: 20.036 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 130 Resp: 52537
Ion Ratio Lower Upper
130 100
95 101.0 0.0 192.4





#45

1,2-Dichloropropane

Concen: 20.777 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

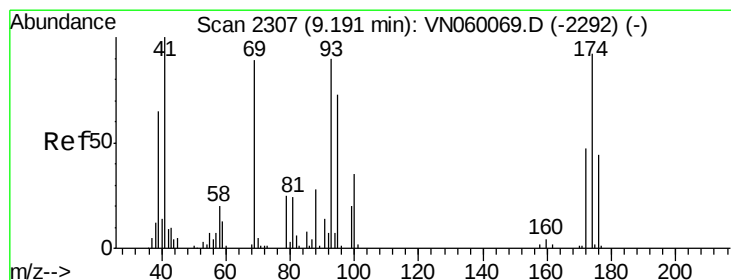
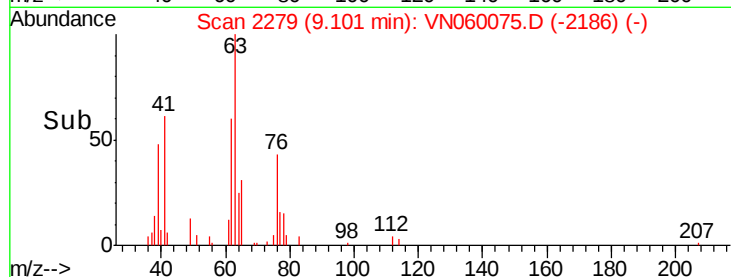
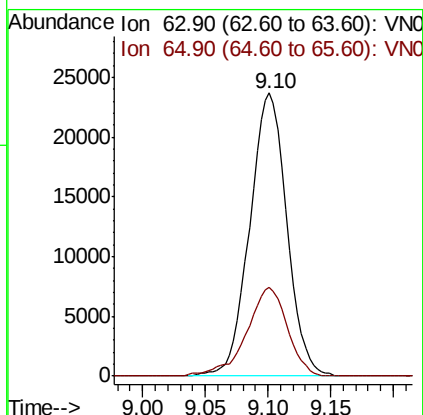
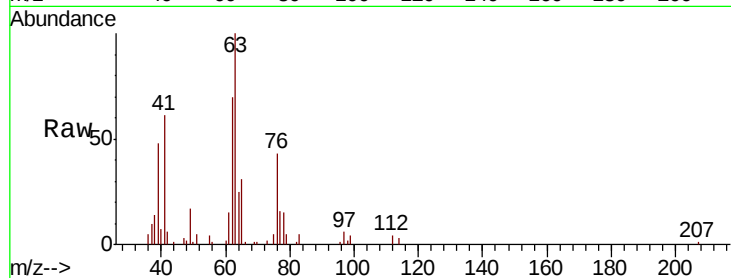
ClientSampled :

Tot Ion: 63 Resp: 48712

Ion Ratio Lower Upper

63 100

65 31.3 25.0 37.4



#46

Dibromomethane

Concen: 20.461 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

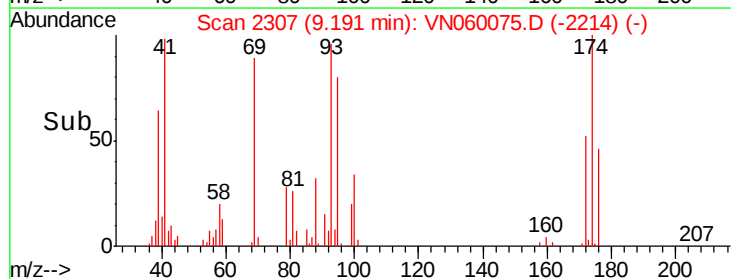
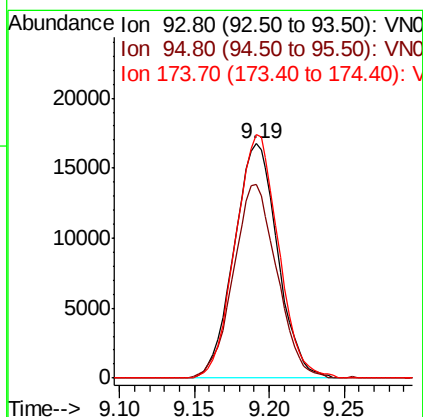
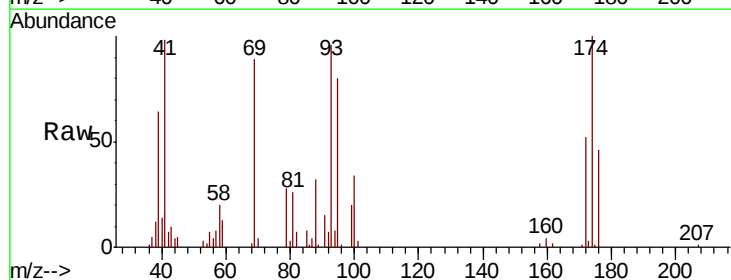
Tgt Ion: 93 Resp: 33900

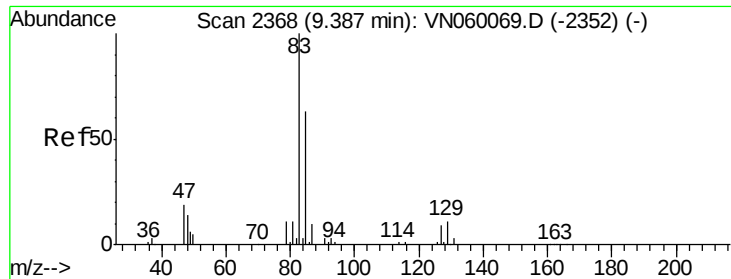
Ion Ratio Lower Upper

93 100

95 82.6 65.0 97.6

174 102.5 82.3 123.5

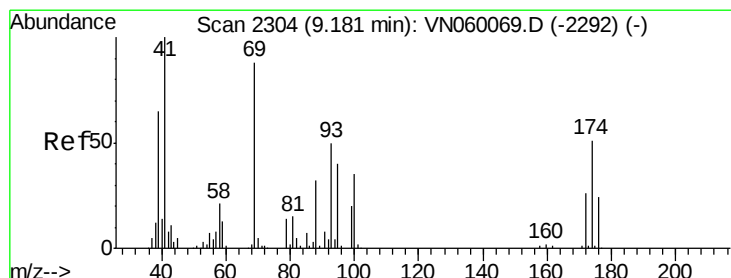
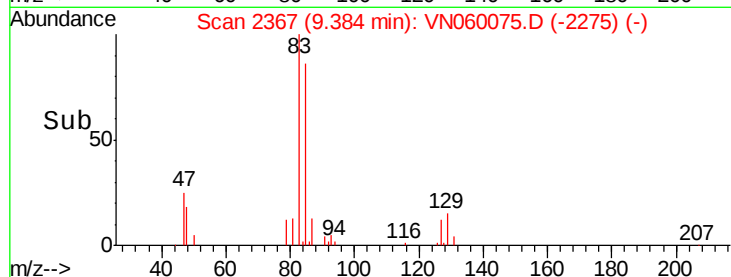
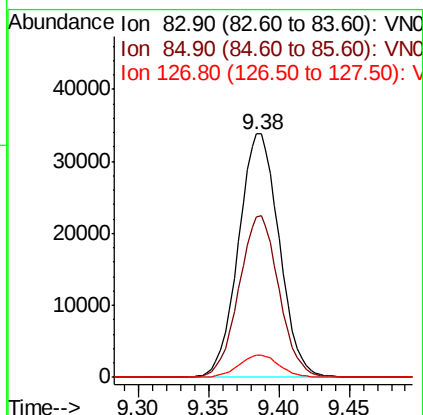
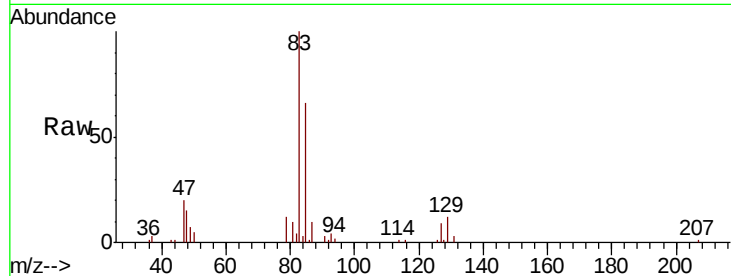




#47
Bromodichloromethane
Concen: 20.304 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

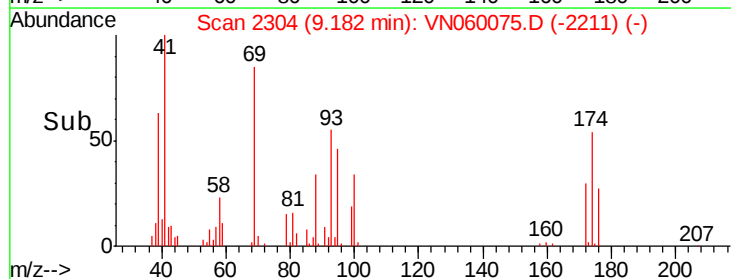
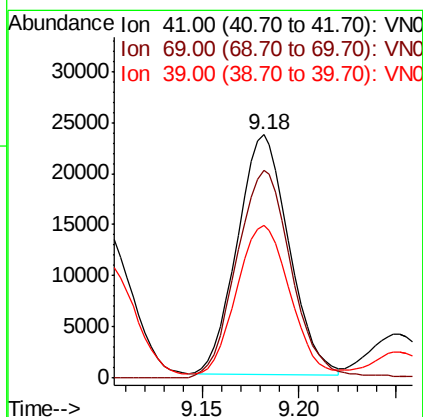
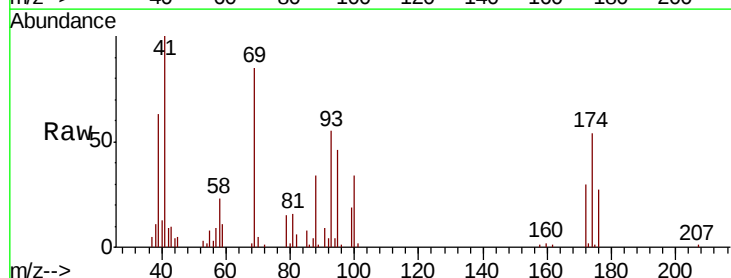
Instrument :
MSVOA_N
ClientSampled :

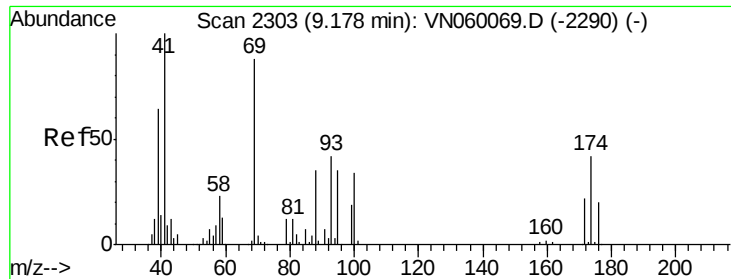
Tot Ion: 83 Resp: 68392
Ion Ratio Lower Upper
83 100
85 66.1 50.6 75.8
127 9.0 7.0 10.6



#48
Methyl methacrylate
Concen: 19.724 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 41 Resp: 43647
Ion Ratio Lower Upper
41 100
69 92.1 72.0 108.0
39 63.7 54.1 81.1

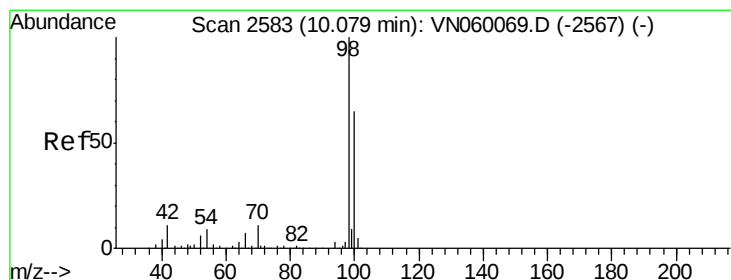
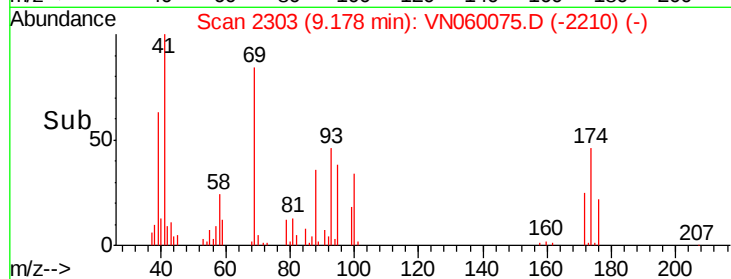
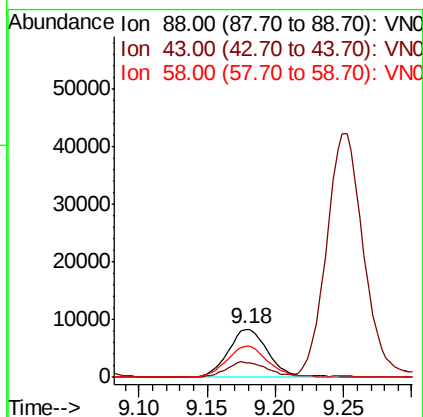
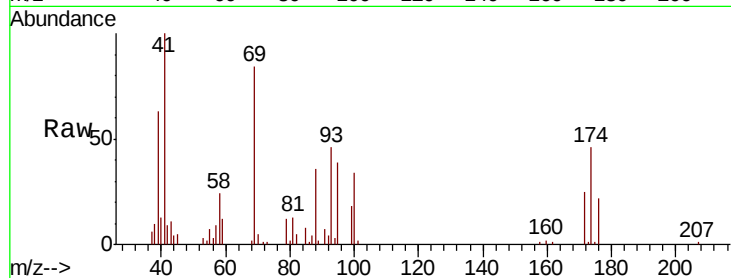




#49
 1,4-Dioxane
 Concen: 446.244 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

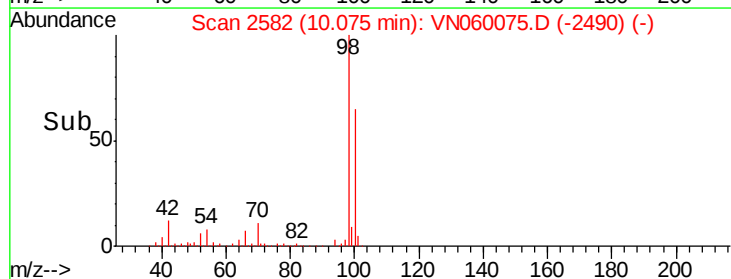
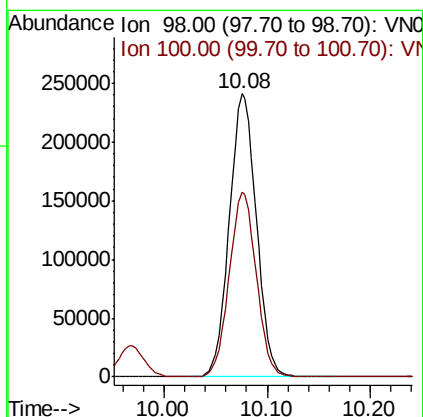
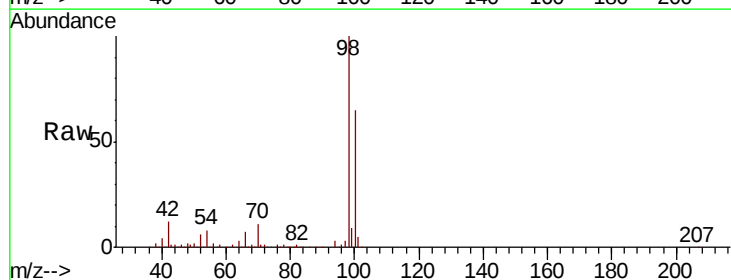
Instrument :
 MSVOA_N
 ClientSampled :

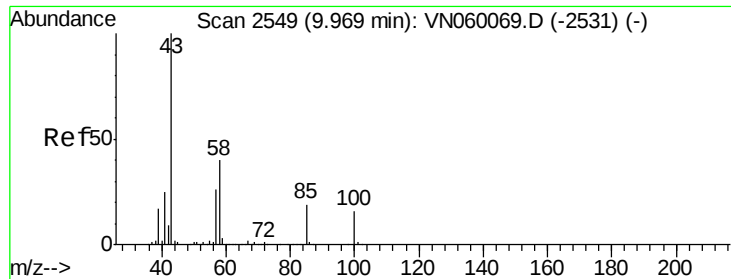
Tot Ion: 88 Resp: 16872
 Ion Ratio Lower Upper
 88 100
 43 32.7 26.2 39.2
 58 67.4 53.2 79.8



#50
 Toluene-d8
 Concen: 52.845 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion: 98 Resp: 440899
 Ion Ratio Lower Upper
 98 100
 100 65.2 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 101.570 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

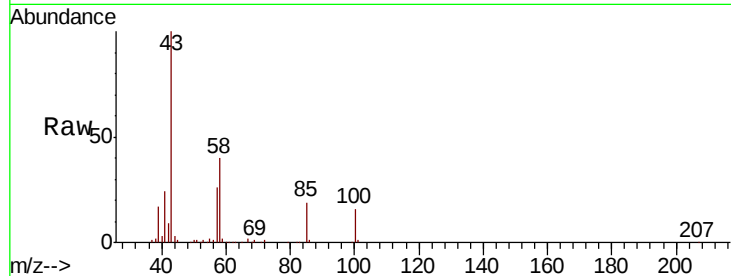
ClientSampled :

Tot Ion: 43 Resp: 289960

Ion Ratio Lower Upper

43 100

58 39.7 31.8 47.8



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

Ion 58.00 (57.70 to 58.70): VN060069.D

9.97

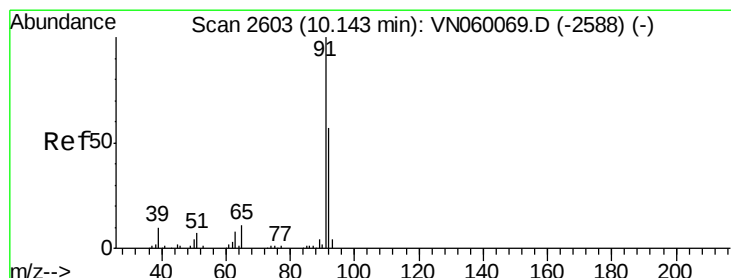
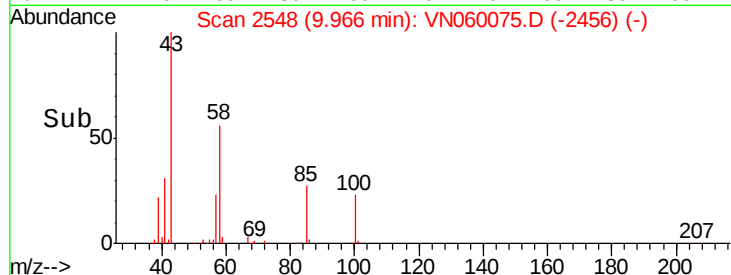
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.693 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060075.D

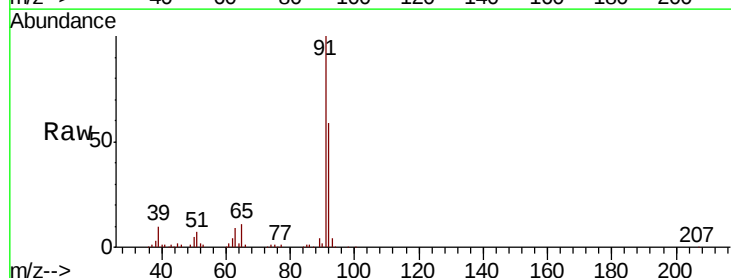
Acq: 12 Feb 2020 15:42

Tgt Ion: 92 Resp: 125666

Ion Ratio Lower Upper

92 100

91 170.8 140.9 211.3



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

Ion 91.00 (90.70 to 91.70): VN060069.D

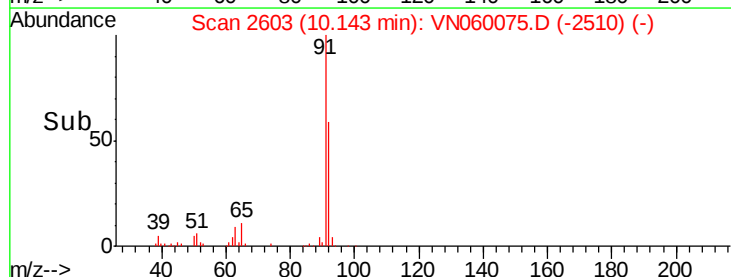
10.14

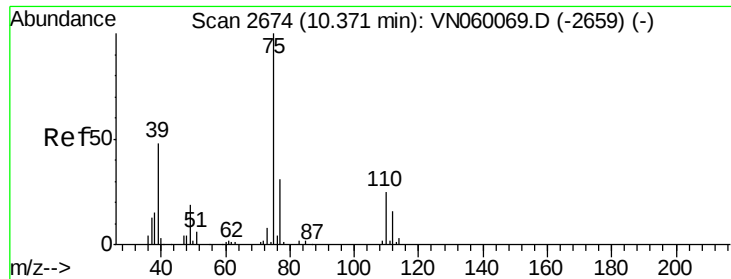
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.298 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

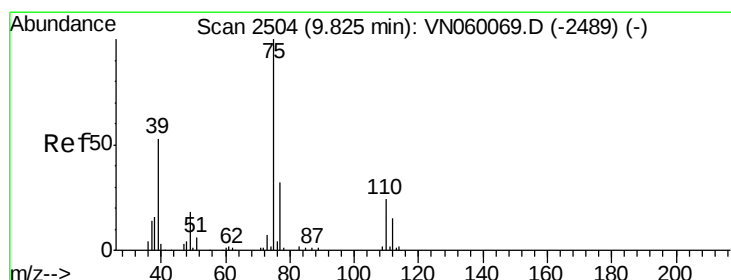
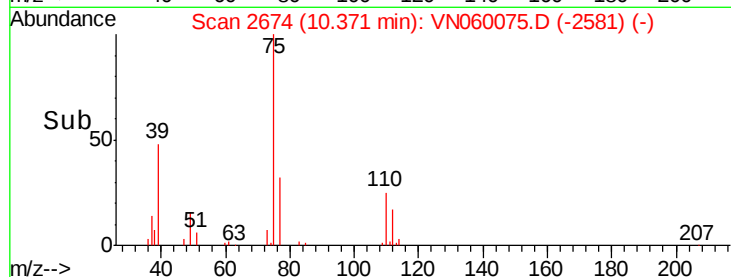
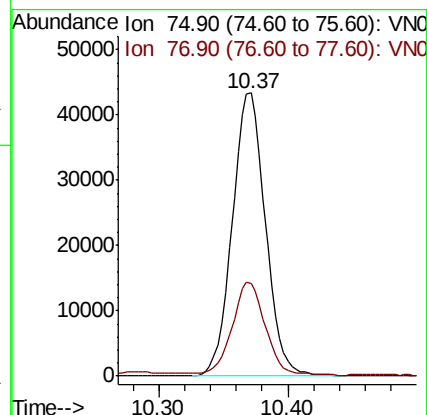
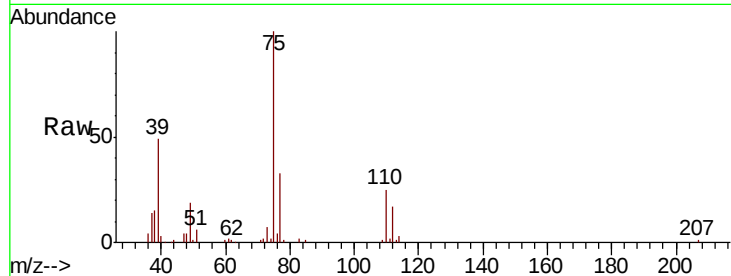
ClientSampled :

Tot Ion: 75 Resp: 77177

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.575 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

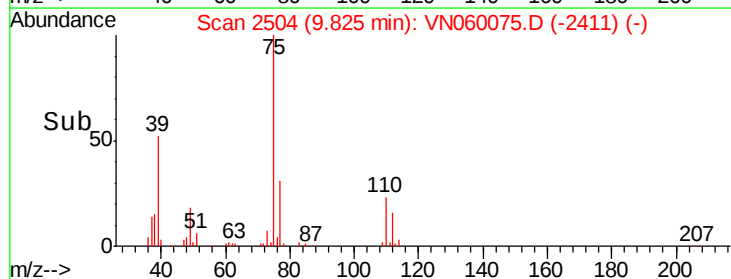
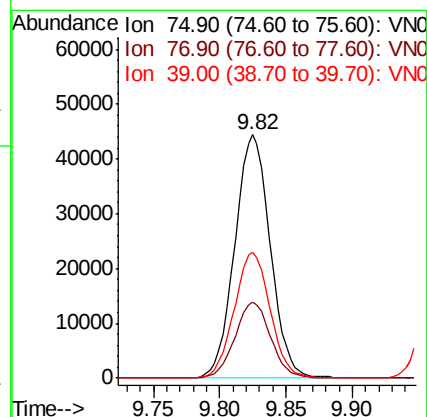
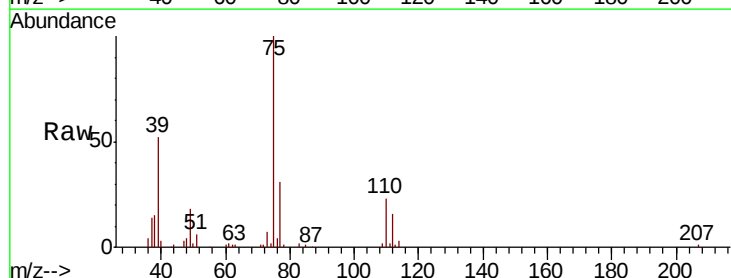
Tgt Ion: 75 Resp: 82378

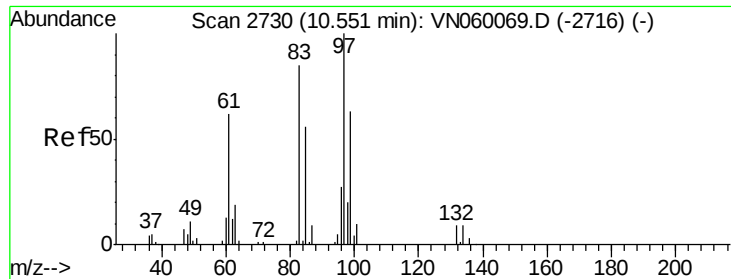
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 51.9 42.2 63.4

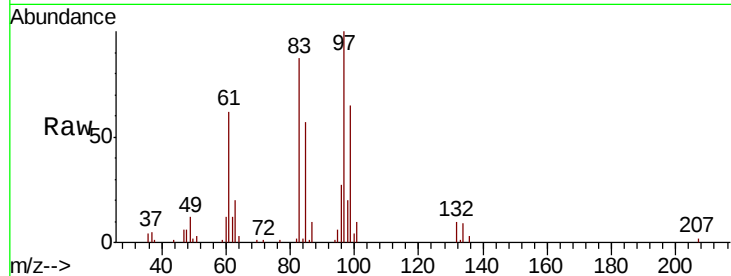




#55
 1,1,2-Trichloroethane
 Concen: 20.312 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.4	67.9	101.9	
85	56.8	44.6	67.0	
99	64.8	50.1	75.1	



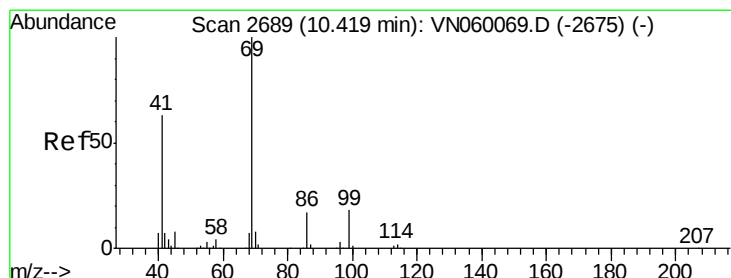
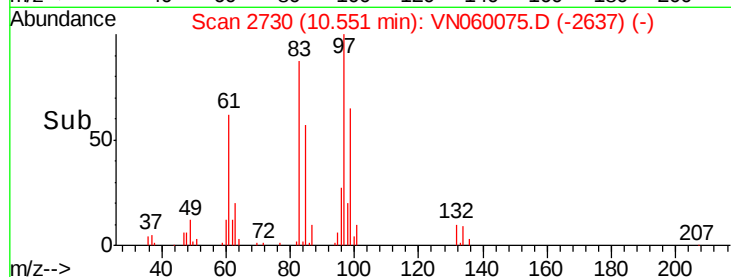
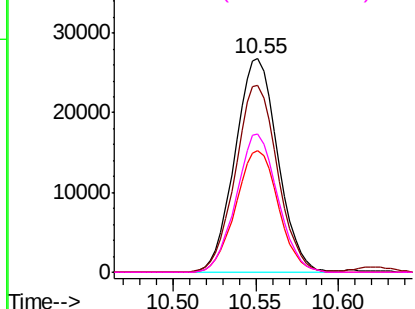
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

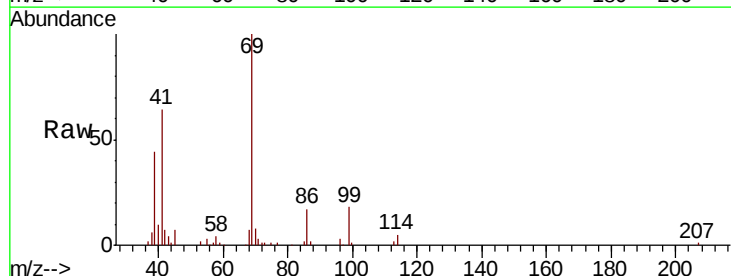
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 20.730 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	64.4	51.1	76.7	
39	41.9	33.8	50.8	

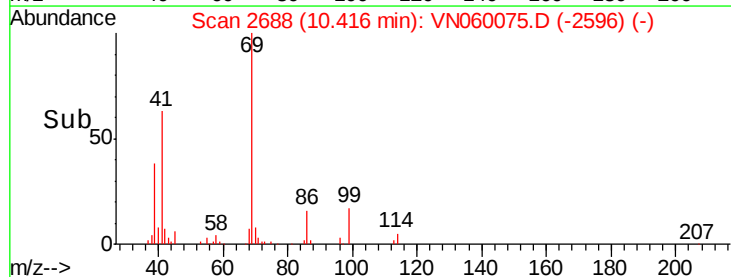
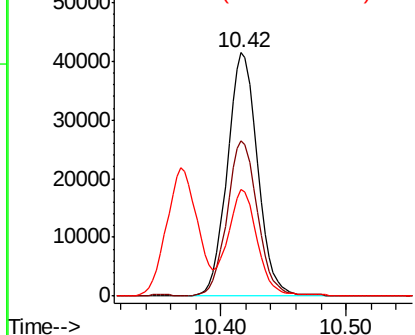


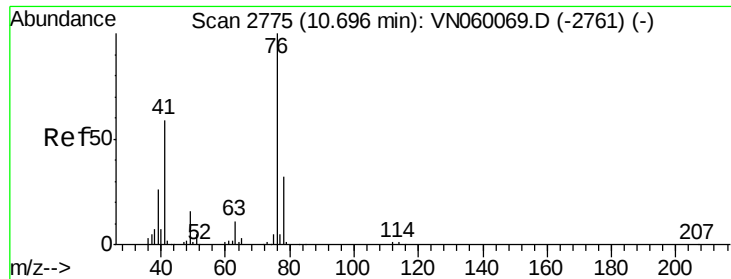
Abundance

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: 20.514 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

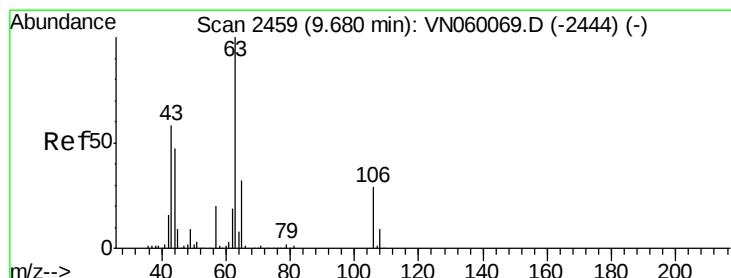
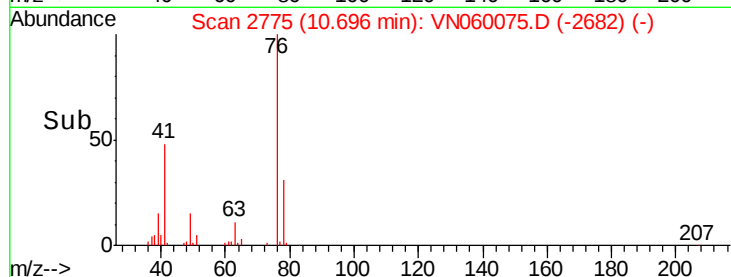
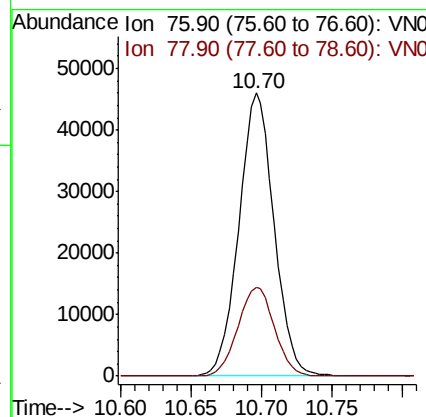
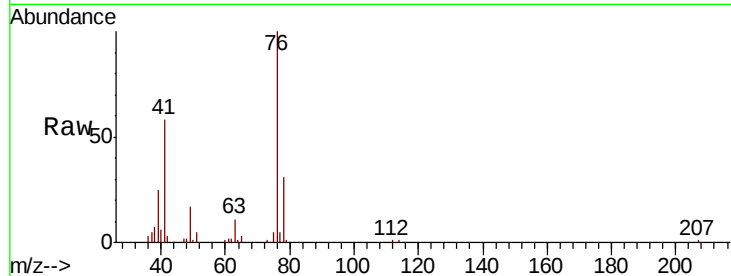
ClientSampled :

Tot Ion: 76 Resp: 80193

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 111.019 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060075.D

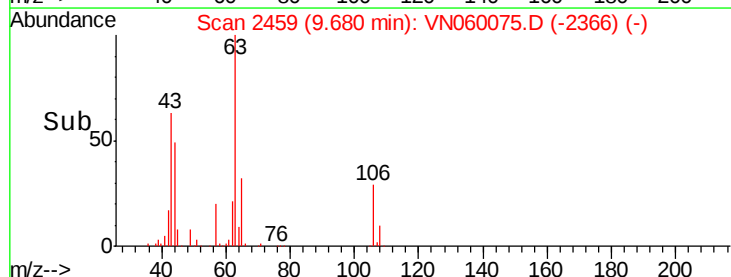
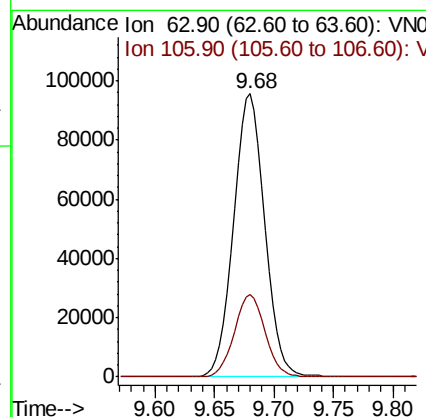
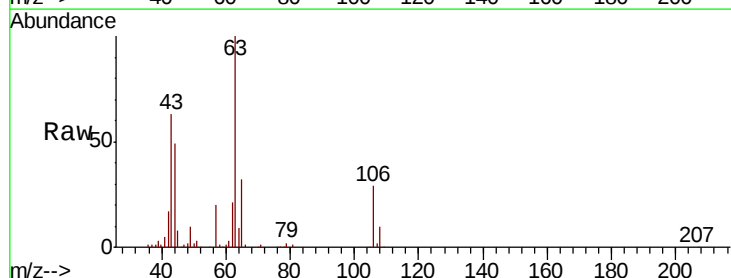
Acq: 12 Feb 2020 15:42

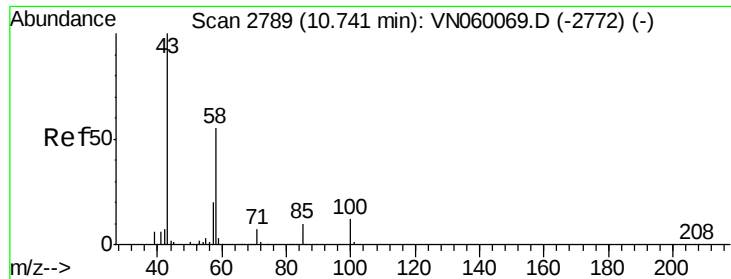
Tgt Ion: 63 Resp: 173339

Ion Ratio Lower Upper

63 100

106 28.8 22.9 34.3

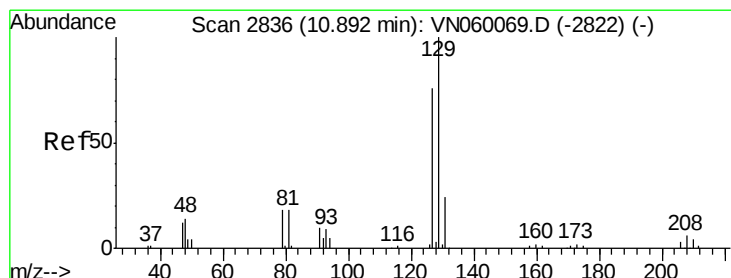
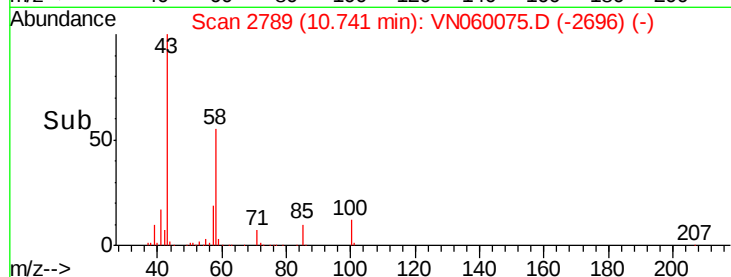
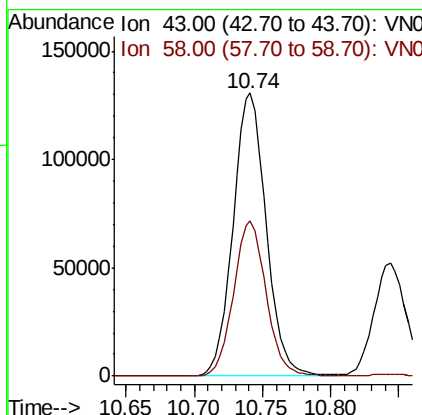
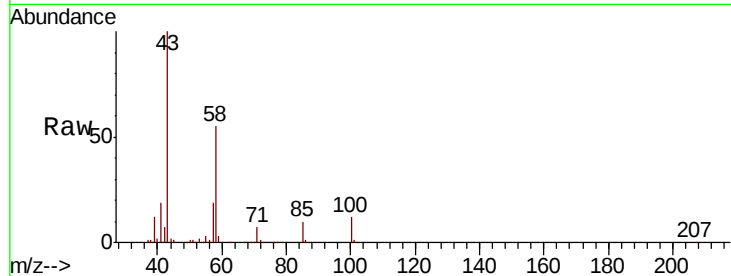




#59
2-Hexanone
Concen: 99.784 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

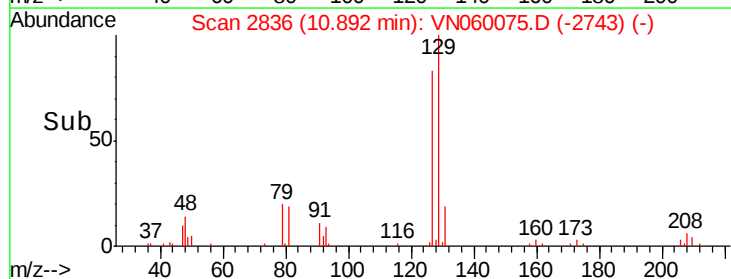
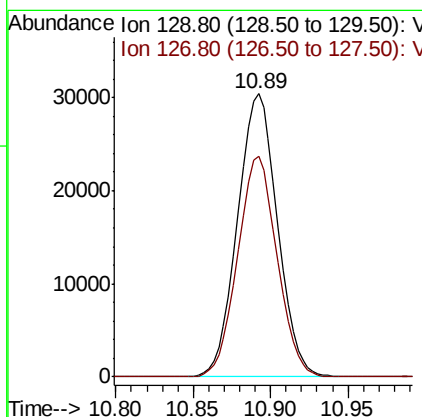
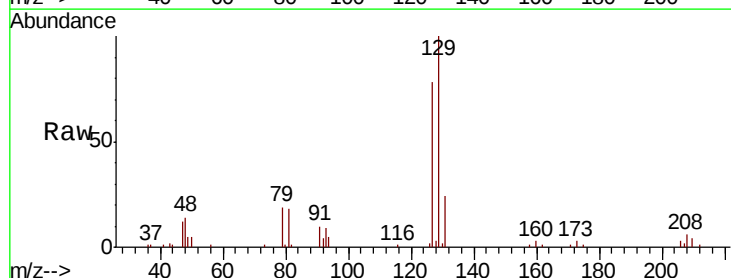
Instrument :
MSVOA_N
ClientSampled :

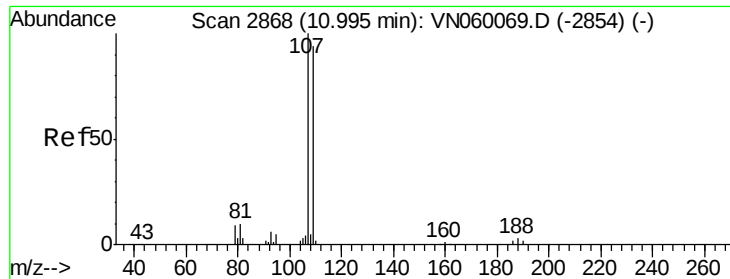
Tot Ion: 43 Resp: 220048
Ion Ratio Lower Upper
43 100
58 53.9 27.5 82.4



#60
Dibromochloromethane
Concen: 20.081 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 129 Resp: 54595
Ion Ratio Lower Upper
129 100
127 76.9 38.0 114.1

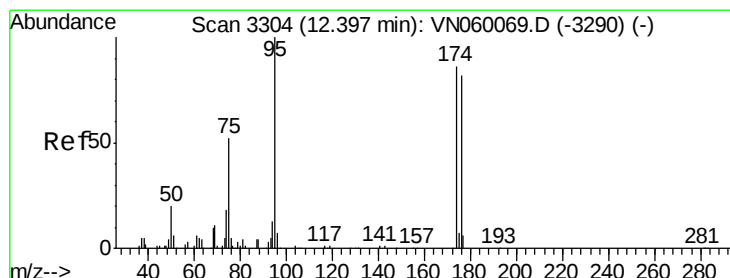
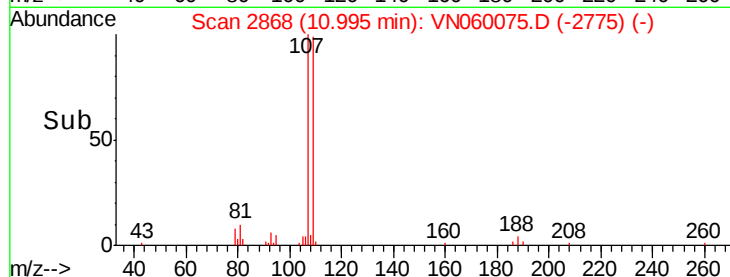
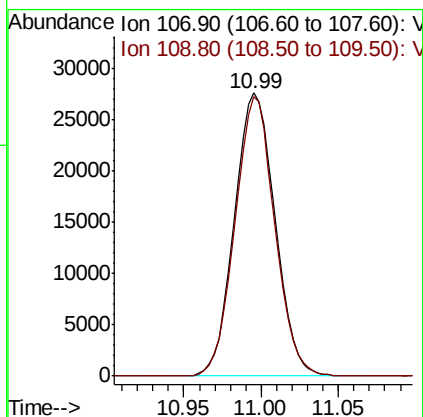
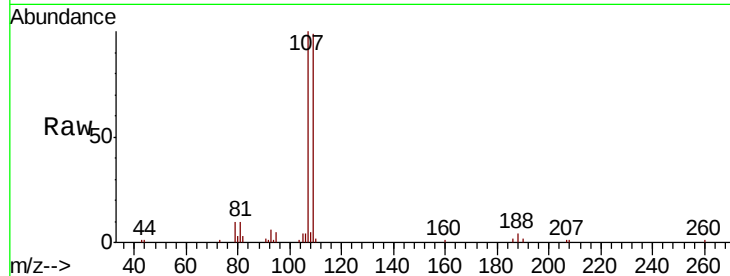




#61
 1,2-Dibromoethane
 Concen: 20.295 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

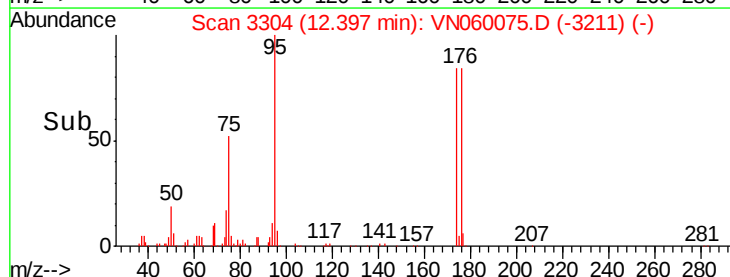
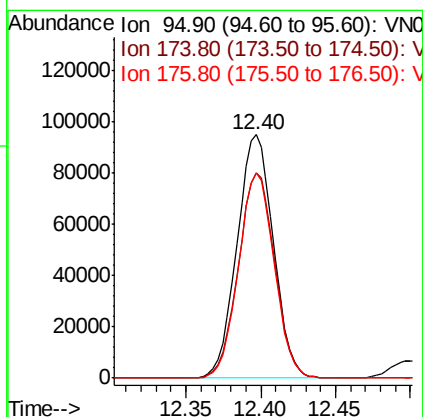
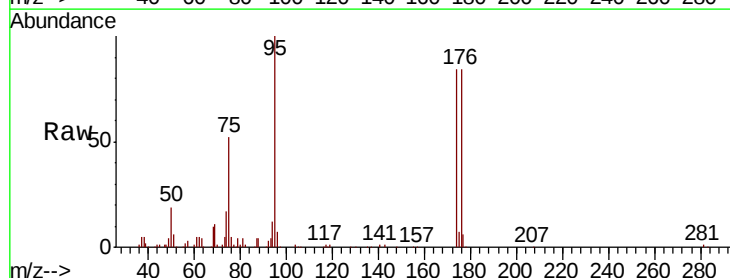
Instrument :
 MSVOA_N
 ClientSampleId :

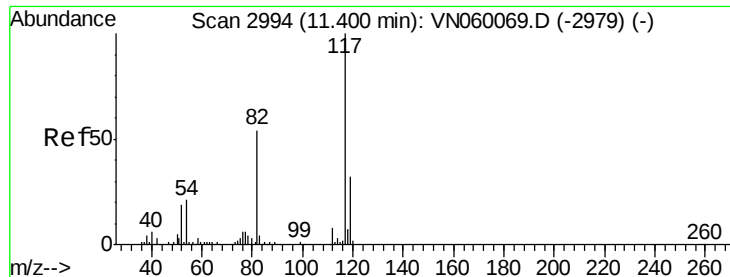
Tot Ion: 107 Resp: 50403
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.227 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion: 95 Resp: 160116
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 169.8
 176 82.8 0.0 164.8

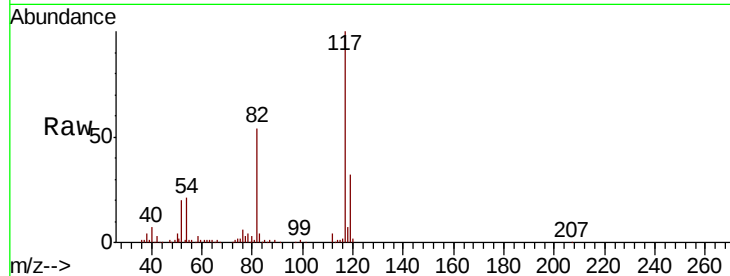




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.4	65.0
119	32.3	25.8	38.6

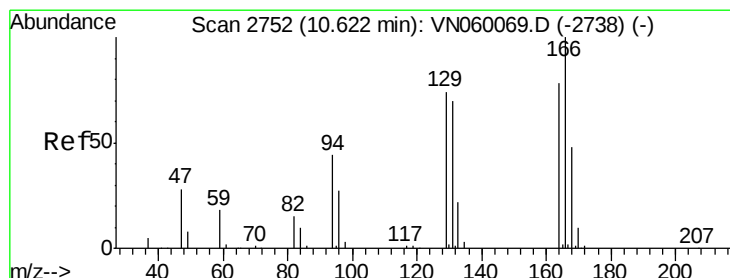
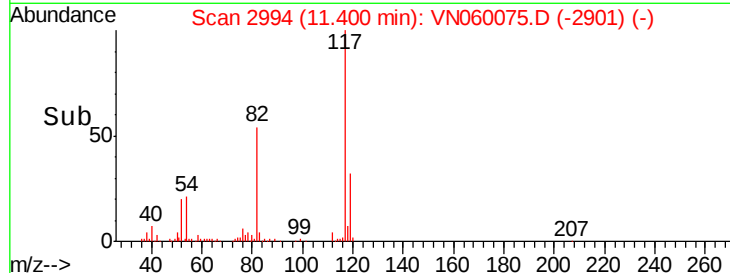
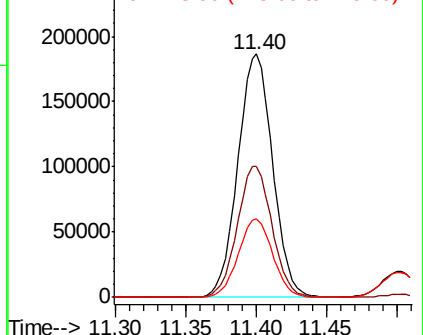


Abundance

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: 20.121 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.9	152.9
129	92.6	75.4	113.0
131	89.4	71.4	107.2

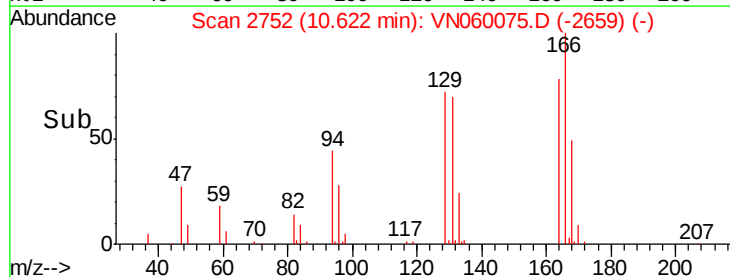
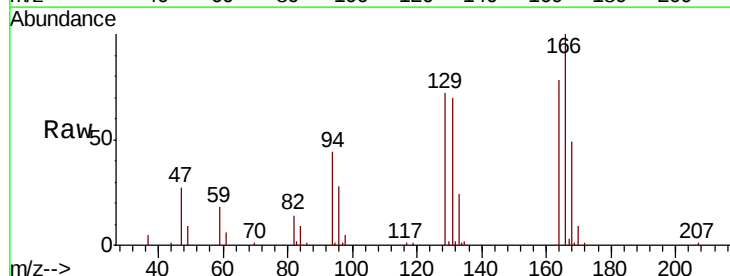
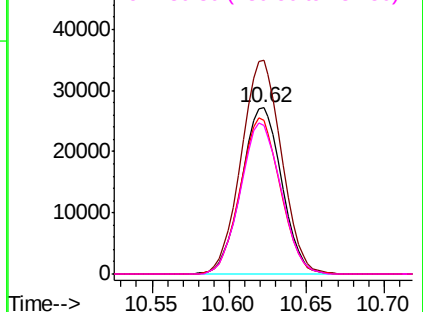
Abundance

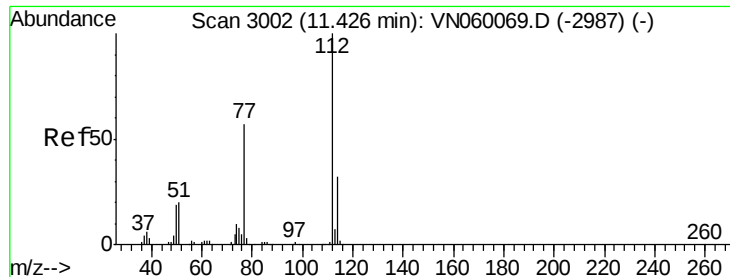
Ion 163.80 (163.50 to 164.50): V

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

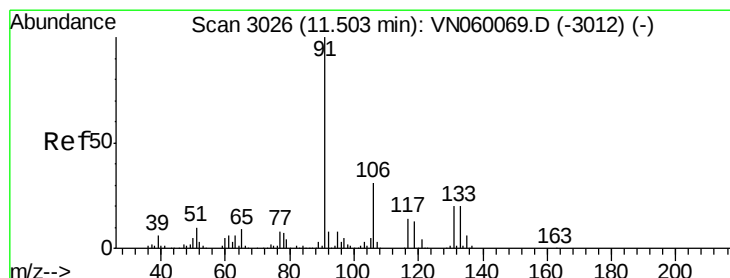
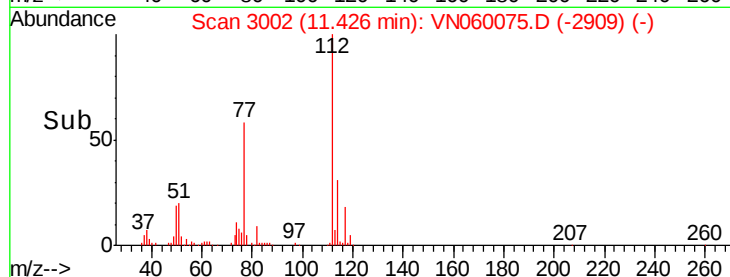
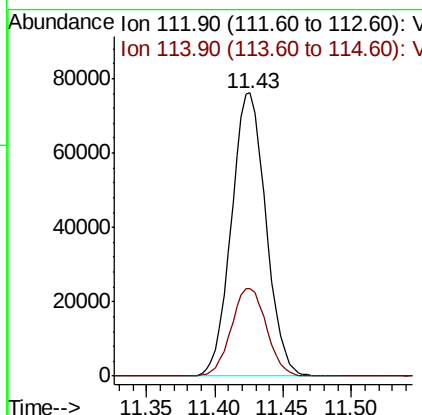
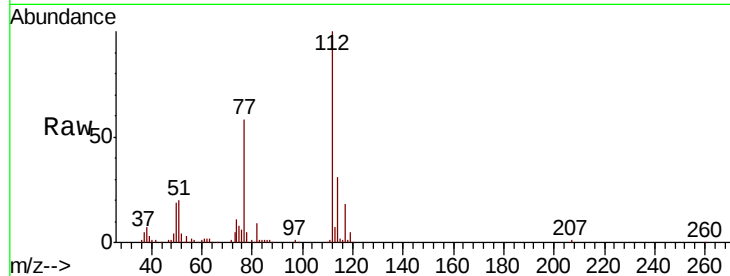




#65
Chlorobenzene
Concen: 20.327 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

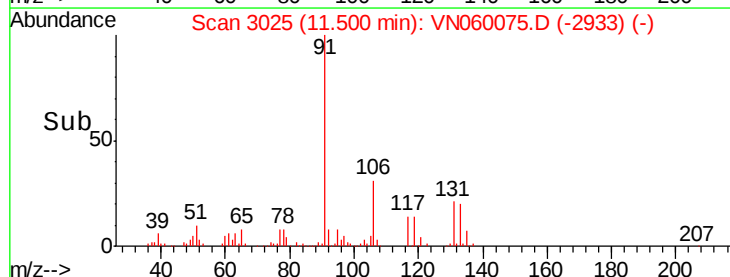
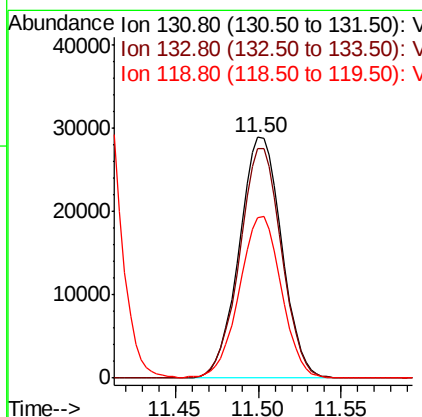
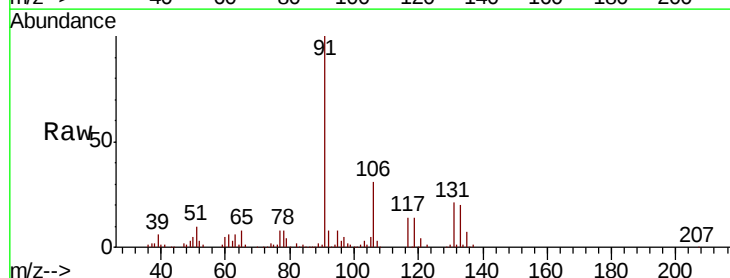
Instrument :
MSVOA_N
ClientSampled :

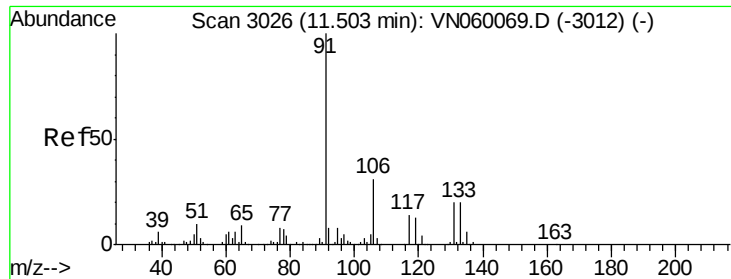
Tot Ion:112 Resp: 133641
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.715 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion:131 Resp: 51521
Ion Ratio Lower Upper
131 100
133 94.5 47.9 143.7
119 66.4 32.6 97.7

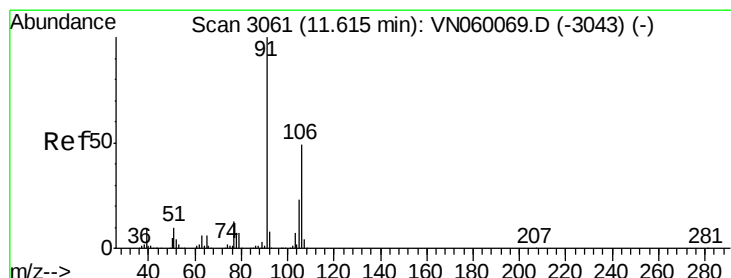
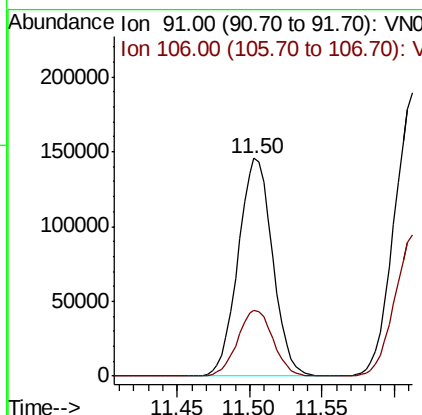
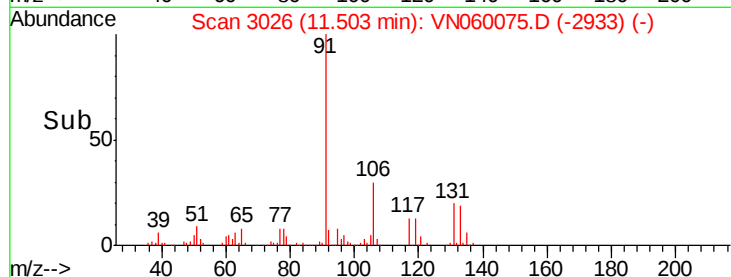
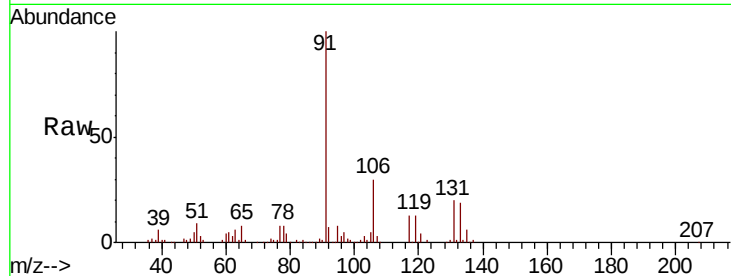




#67
Ethyl Benzene
Concen: 20.315 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

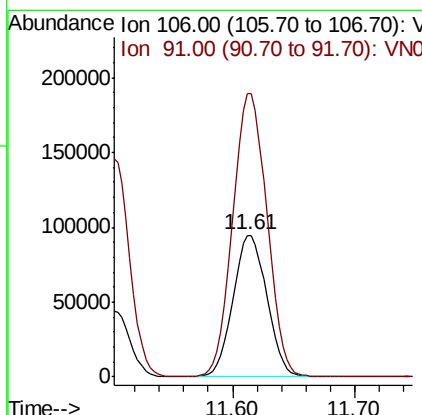
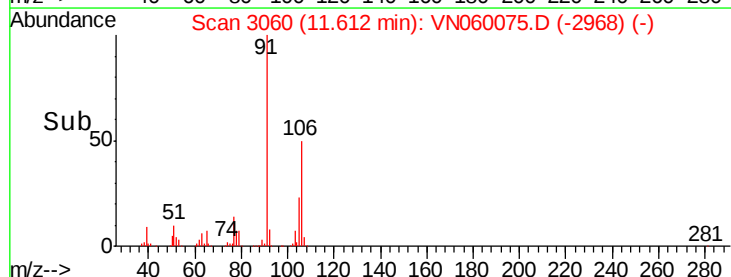
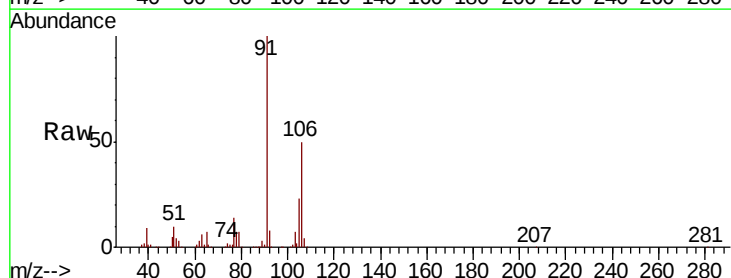
Instrument :
MSVOA_N
ClientSampled :

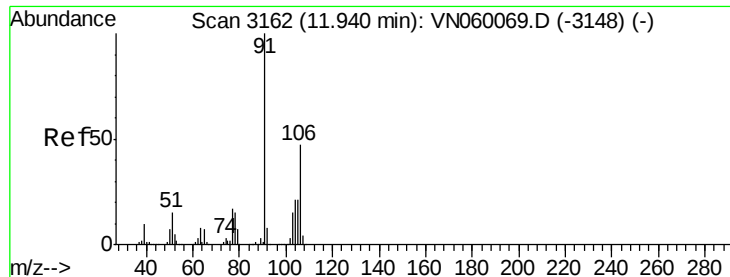
Tot Ion: 91 Resp: 240896
Ion Ratio Lower Upper
91 100
106 30.4 25.1 37.7



#68
m/p-Xylenes
Concen: 40.861 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion: 106 Resp: 181853
Ion Ratio Lower Upper
106 100
91 202.8 162.7 244.1





#69

o-Xylene

Concen: 20.224 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

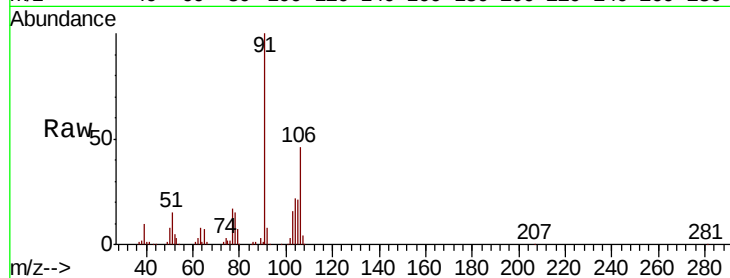
ClientSampleId :

Tot Ion:106 Resp: 86660

Ion Ratio Lower Upper

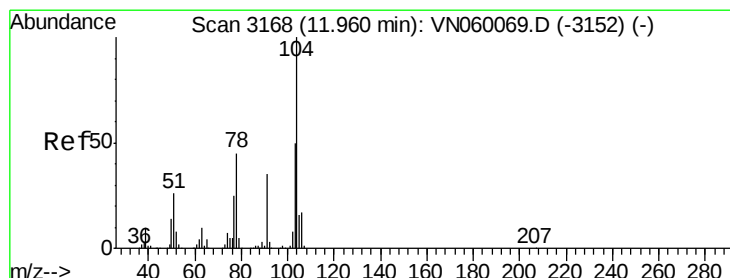
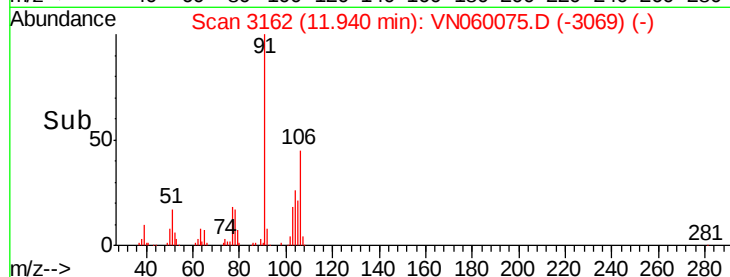
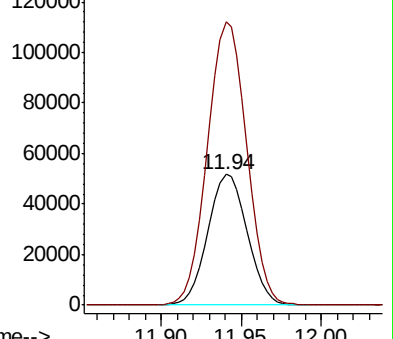
106 100

91 216.1 107.2 321.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.198 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

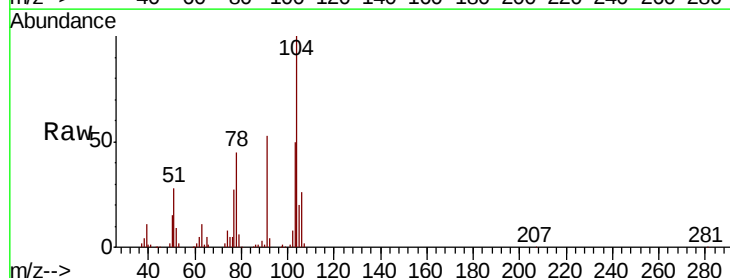
Tgt Ion:104 Resp: 139571

Ion Ratio Lower Upper

104 100

78 50.1 40.2 60.2

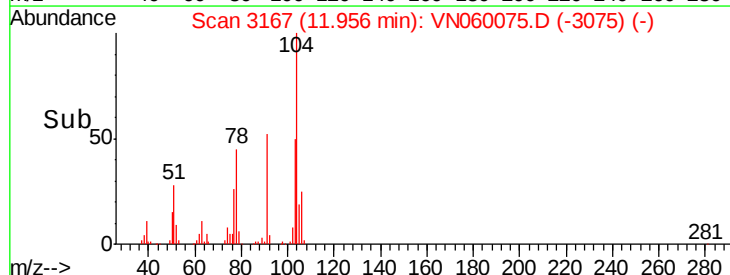
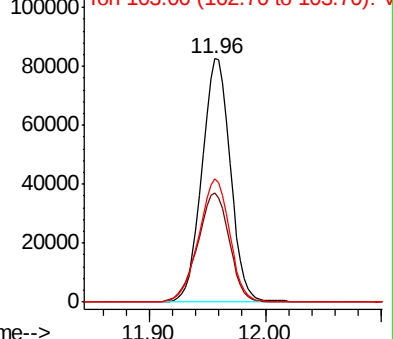
103 55.0 44.3 66.5

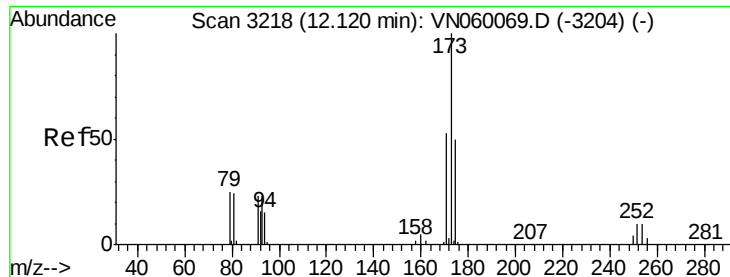


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.658 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

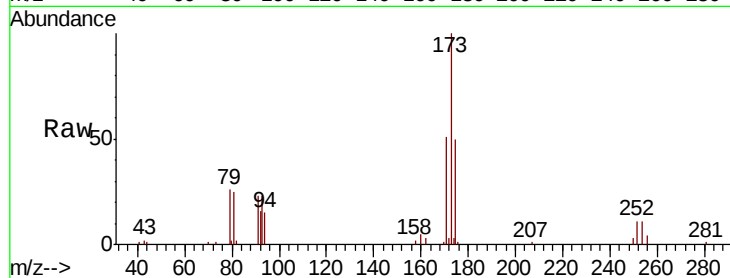
Tot Ion:173 Resp: 39326

Ion Ratio Lower Upper

173 100

175 48.7 24.9 74.6

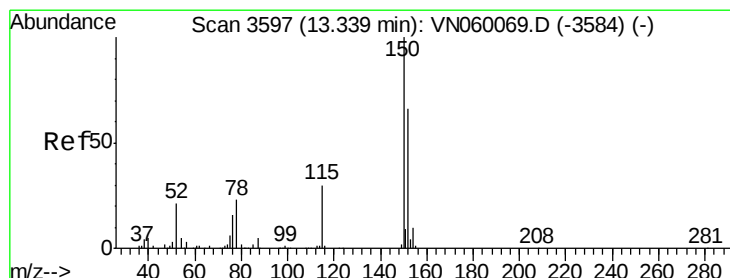
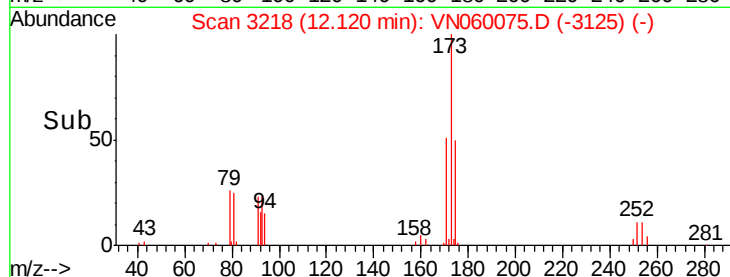
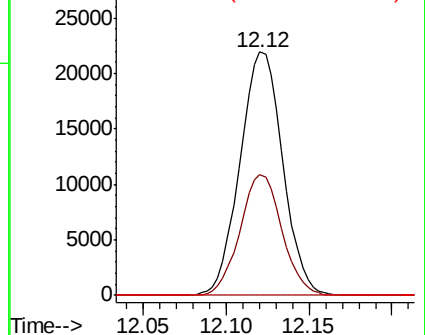
254 0.0 0.0 0.0



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# 3597

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

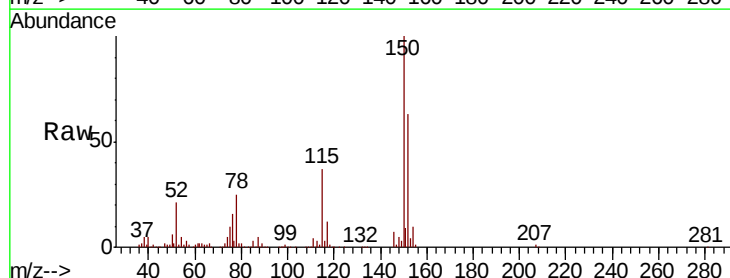
Tgt Ion:152 Resp: 156120

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.8

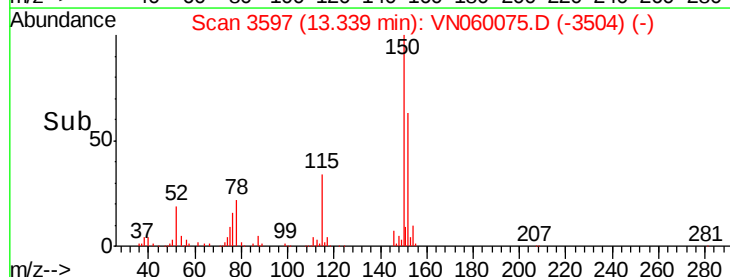
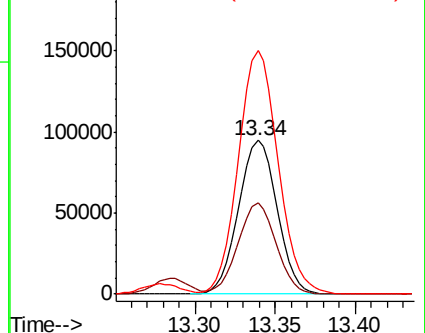
150 162.4 0.0 342.4

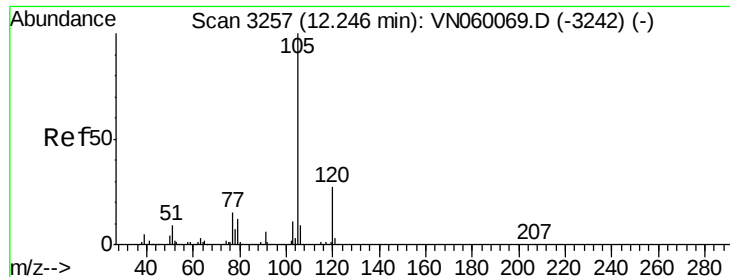


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.262 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

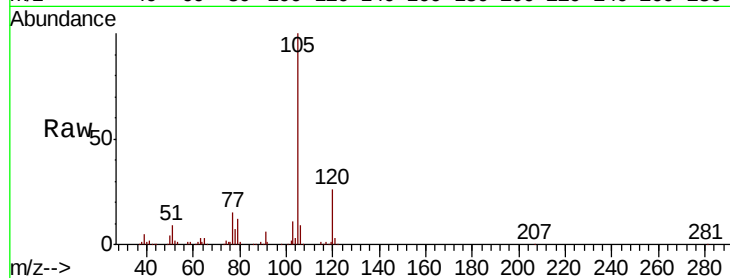
ClientSampleId :

Tot Ion:105 Resp: 236220

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

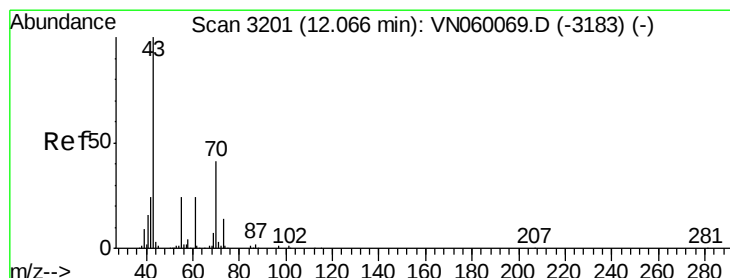
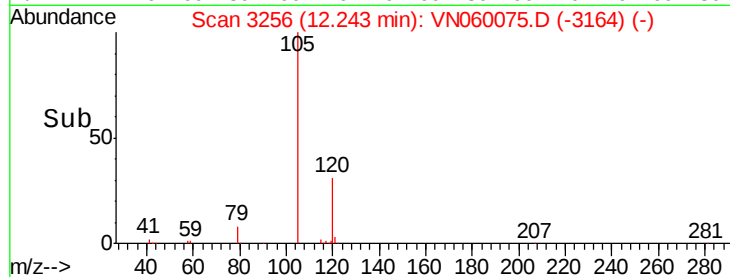
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 20.591 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Tgt Ion: 43 Resp: 86562

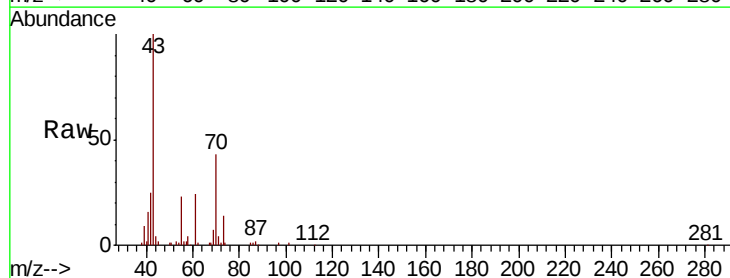
Ion Ratio Lower Upper

43 100

70 42.7 33.4 50.0

55 23.5 18.8 28.2

61 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

80000

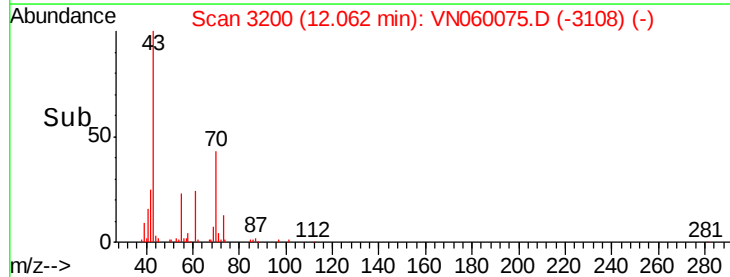
60000

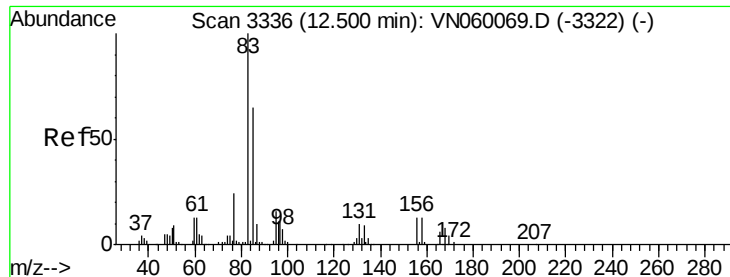
40000

20000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 20.217 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

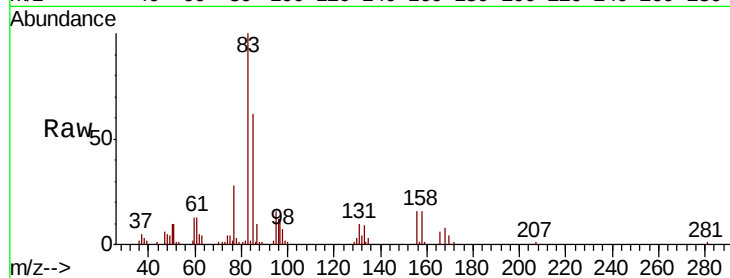
Tot Ion: 83 Resp: 67841

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

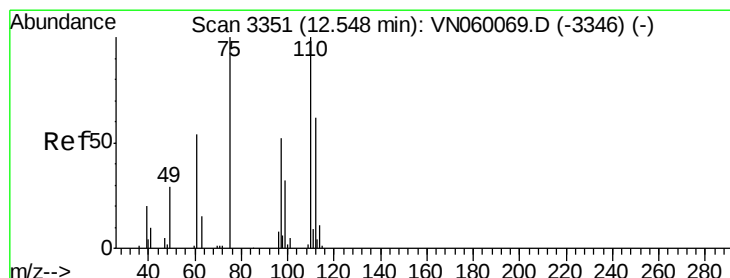
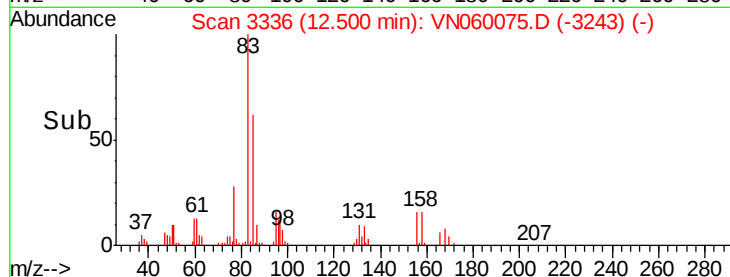
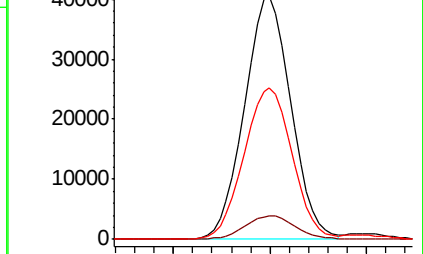
85 64.5 32.3 96.9



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: 30.485 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060075.D

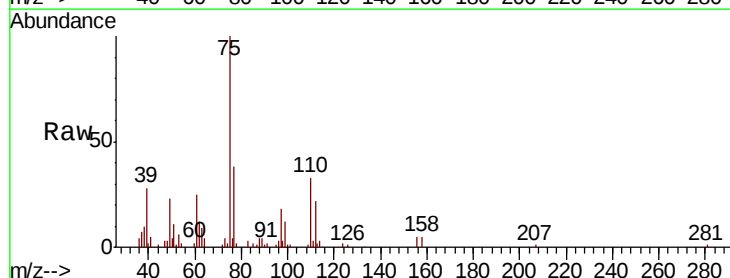
Acq: 12 Feb 2020 15:42

Tgt Ion: 75 Resp: 91057

Ion Ratio Lower Upper

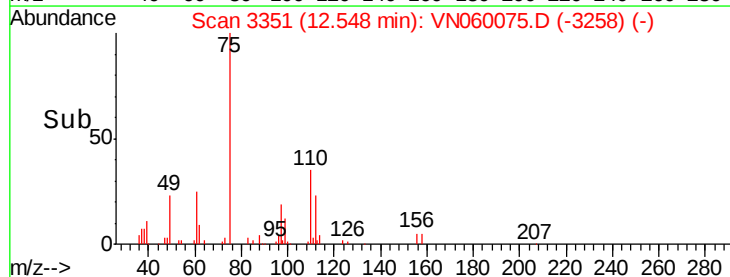
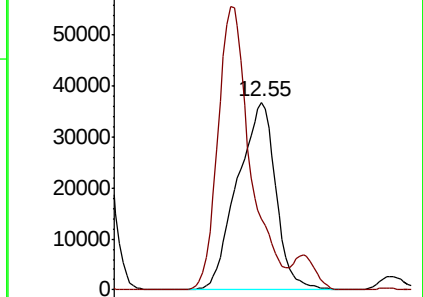
75 100

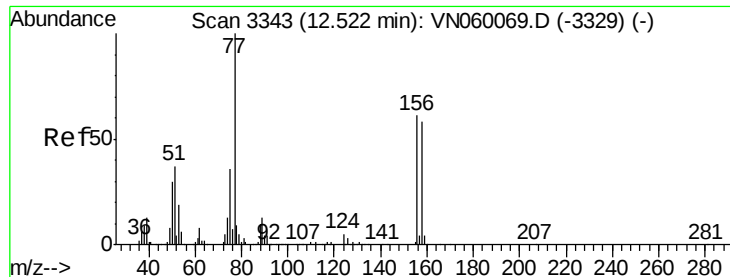
77 0.0 0.0 0.0



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: 20.252 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

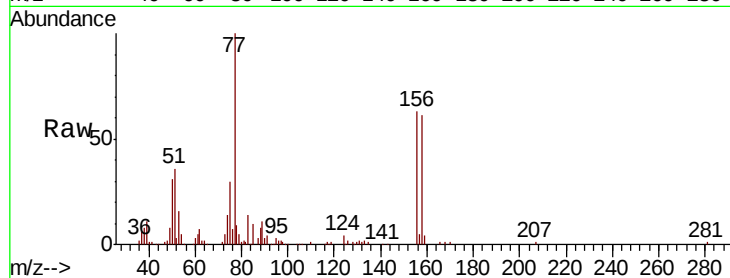
Tot Ion:156 Resp: 58594

Ion Ratio Lower Upper

156 100

77 198.0 98.7 296.1

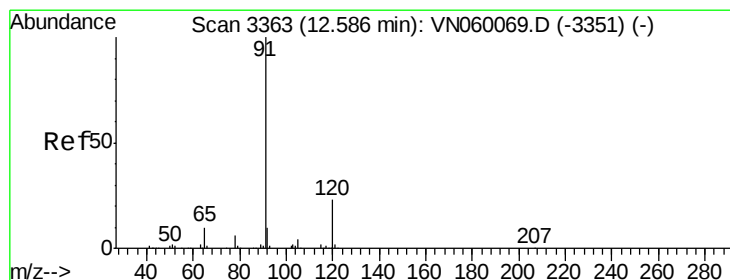
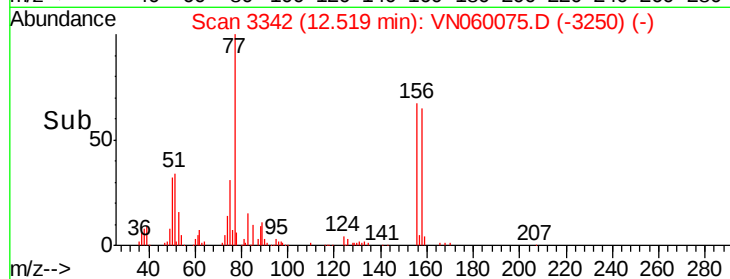
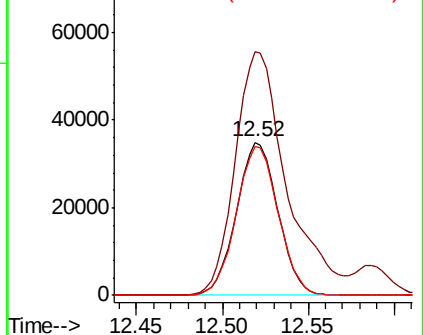
158 98.5 48.1 144.4



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: 19.976 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060075.D

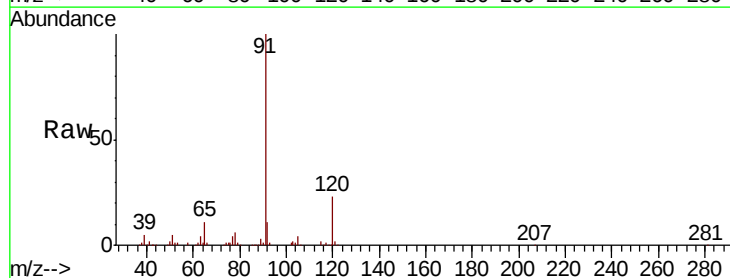
Acq: 12 Feb 2020 15:42

Tgt Ion: 91 Resp: 265326

Ion Ratio Lower Upper

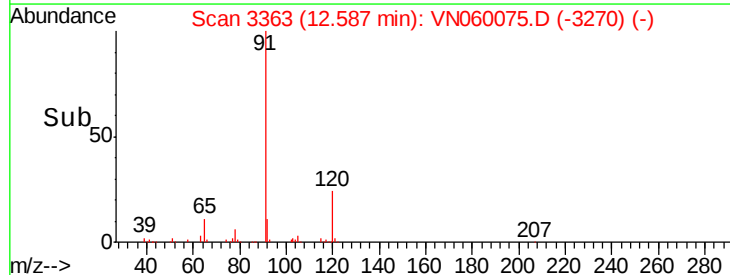
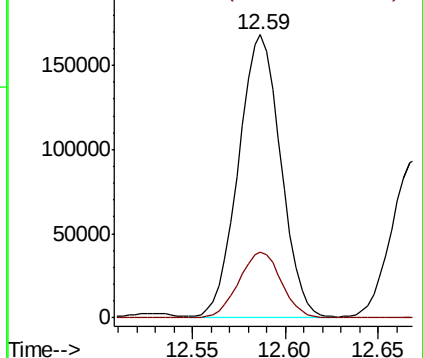
91 100

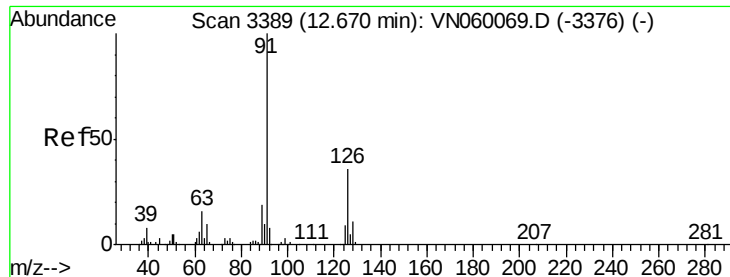
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.113 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

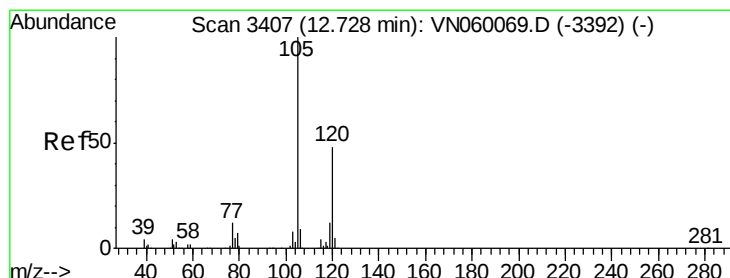
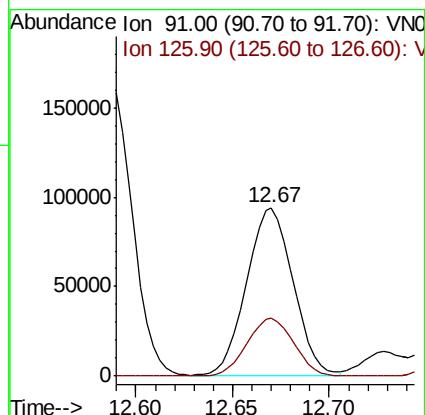
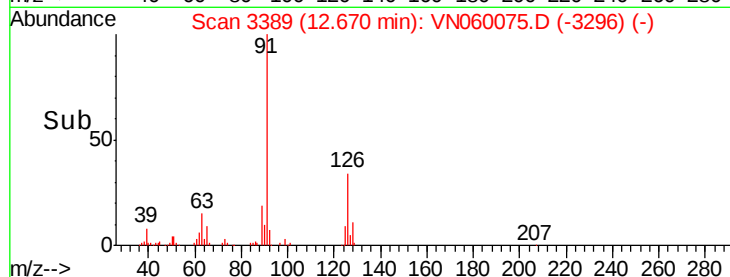
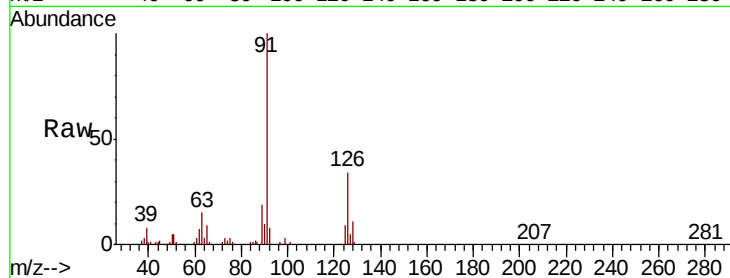
ClientSampled :

Tot Ion: 91 Resp: 157024

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 20.637 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060075.D

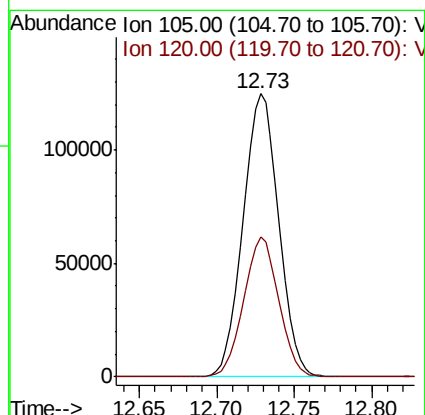
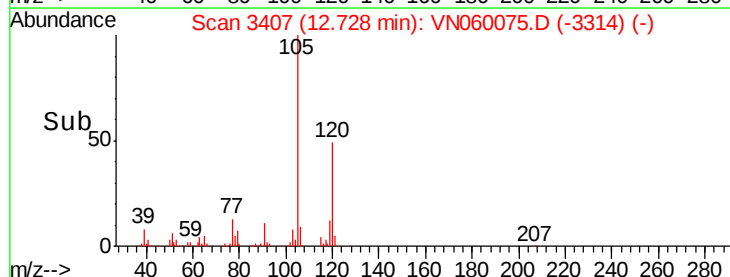
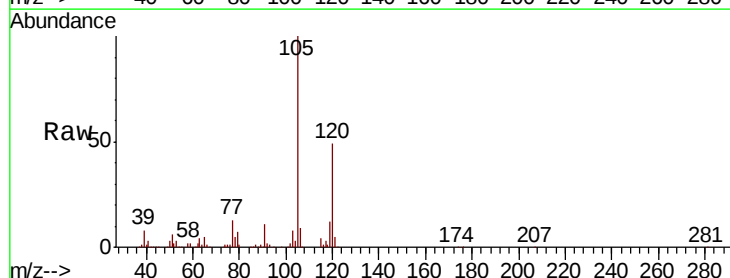
Acq: 12 Feb 2020 15:42

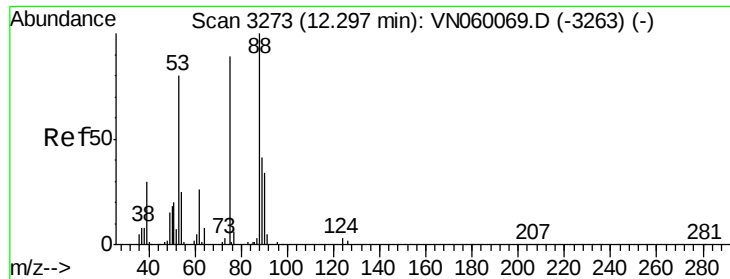
Tgt Ion: 105 Resp: 200043

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.450 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

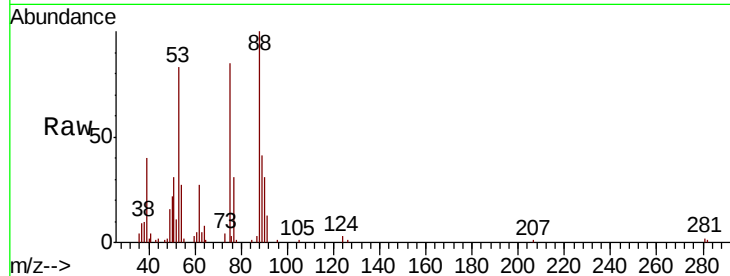
Tot Ion: 75 Resp: 23727

Ion Ratio Lower Upper

75 100

53 96.9 73.9 110.9

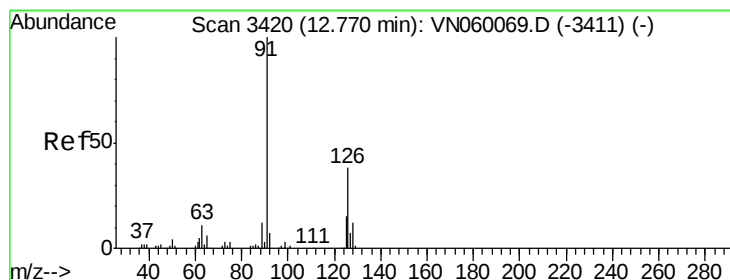
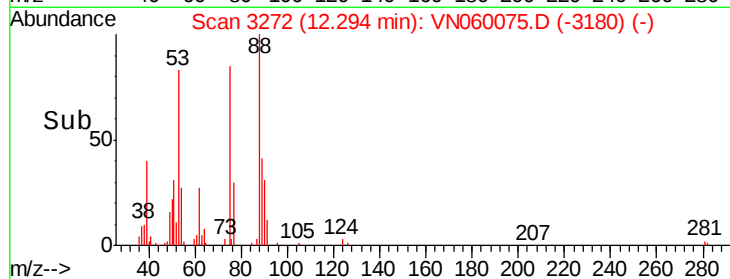
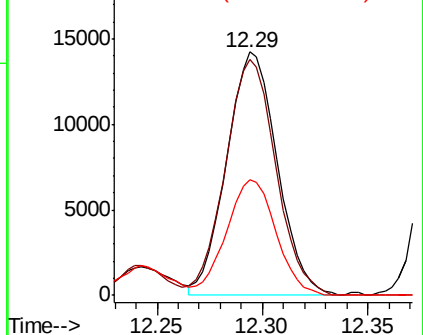
89 46.6 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3263) (-)

Ion 53.00 (52.70 to 53.70): VN060069.D (-3263) (-)

Ion 88.90 (88.60 to 89.60): VN060069.D (-3263) (-)



#82

4-Chlorotoluene

Concen: 19.920 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060075.D

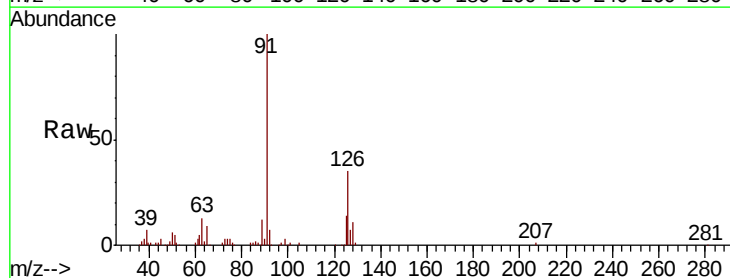
Acq: 12 Feb 2020 15:42

Tgt Ion: 91 Resp: 159559

Ion Ratio Lower Upper

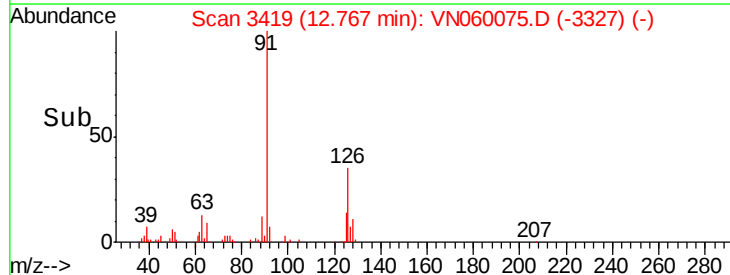
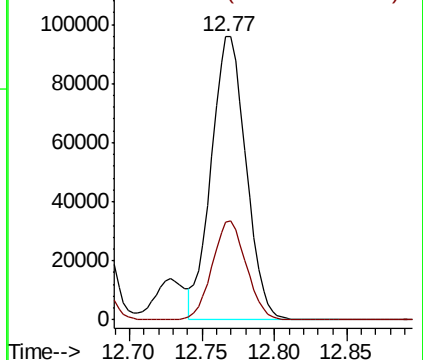
91 100

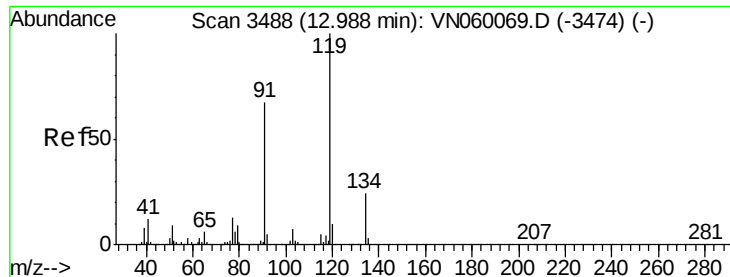
126 34.3 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3411) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3411) (-)





#83

tert-Butylbenzene

Concen: 19.964 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

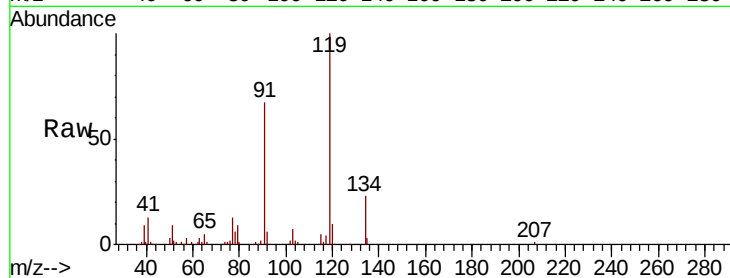
Tot Ion:119 Resp: 171186

Ion Ratio Lower Upper

119 100

91 66.2 32.7 98.1

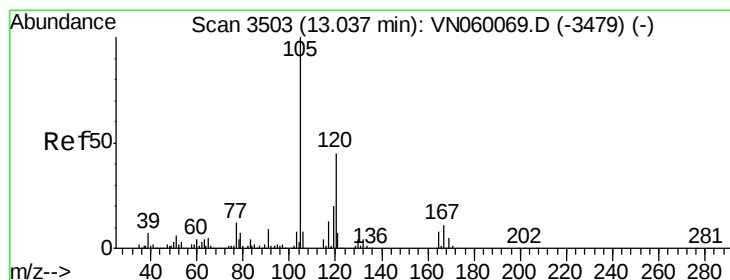
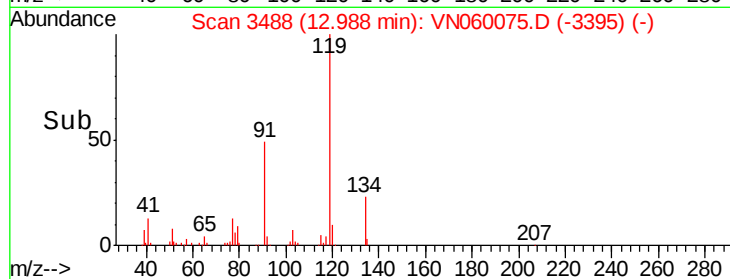
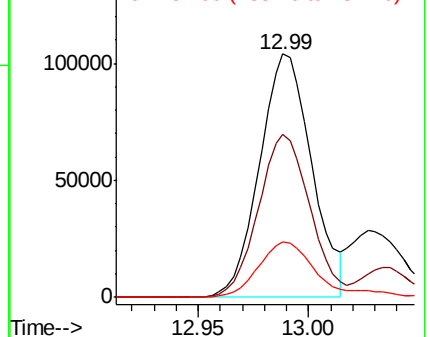
134 25.6 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.634 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060075.D

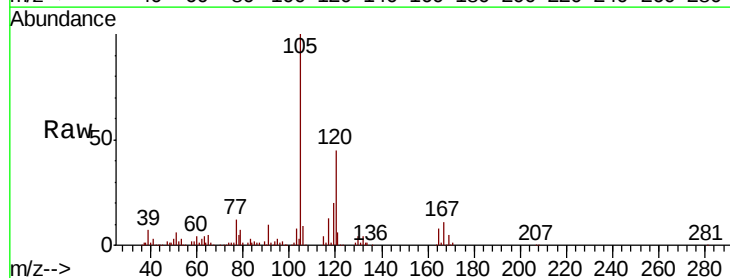
Acq: 12 Feb 2020 15:42

Tgt Ion:105 Resp: 197437

Ion Ratio Lower Upper

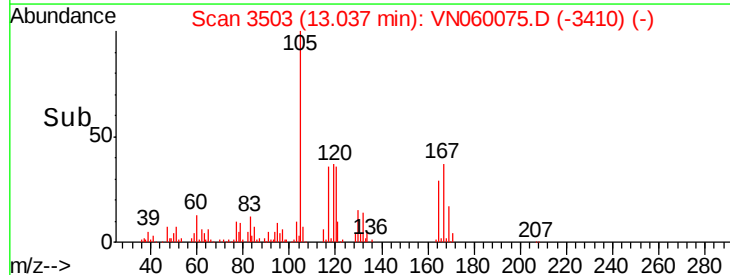
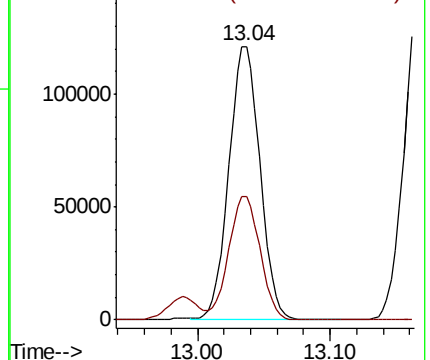
105 100

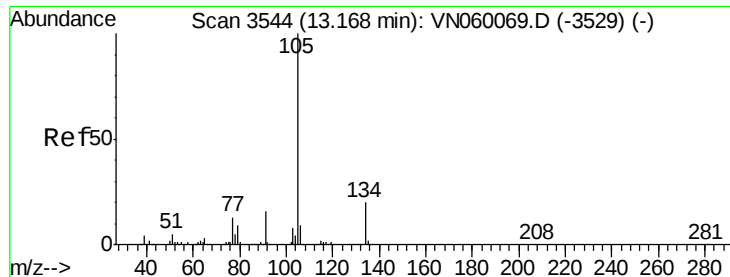
120 45.2 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.960 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

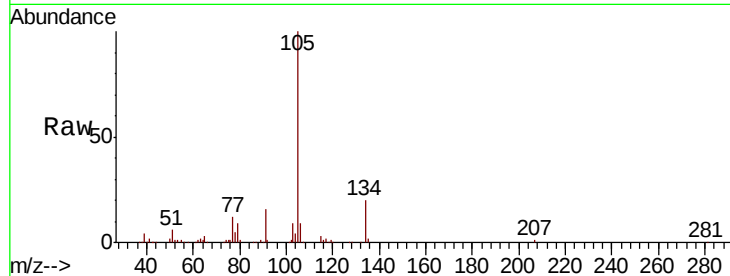
ClientSampled :

Tot Ion:105 Resp: 226674

Ion Ratio Lower Upper

105 100

134 20.0 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

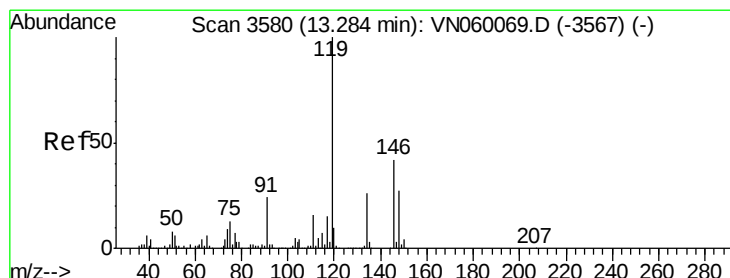
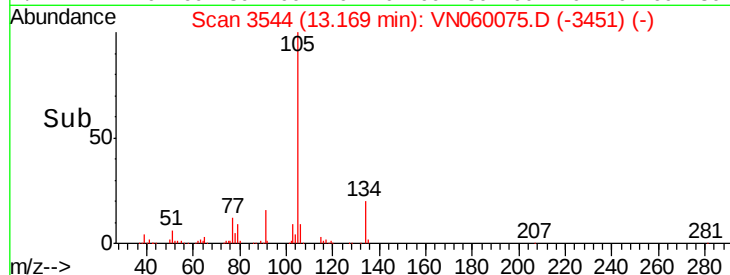
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.334 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

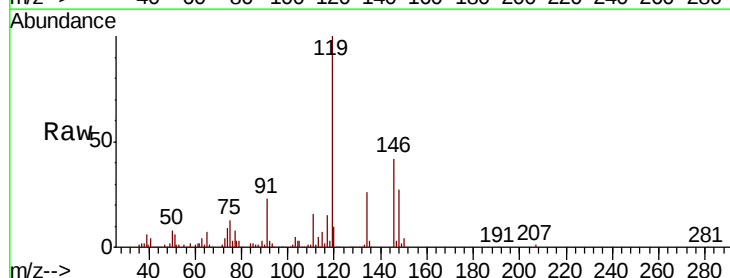
Tgt Ion:119 Resp: 209222

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

91 23.4 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

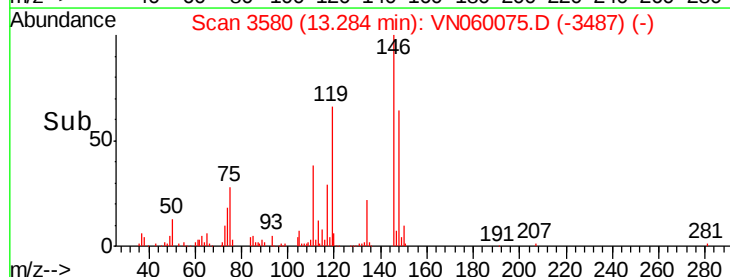
150000

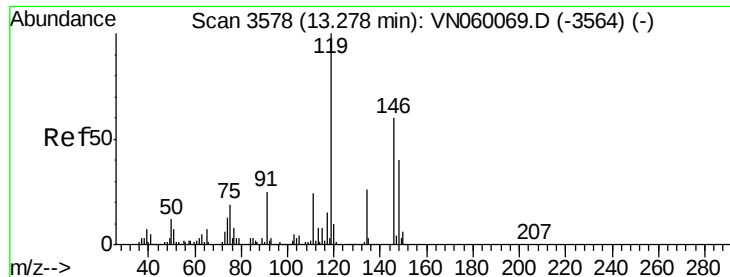
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.082 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA_N

ClientSampled :

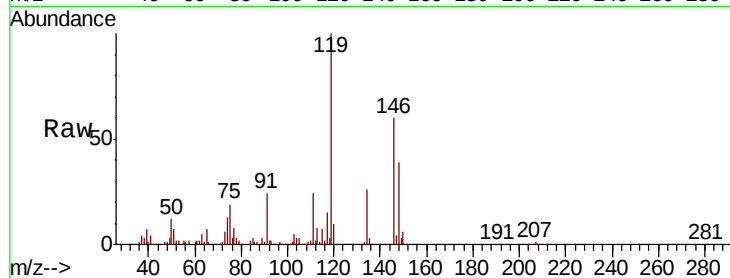
Tot Ion:146 Resp: 102849

Ion Ratio Lower Upper

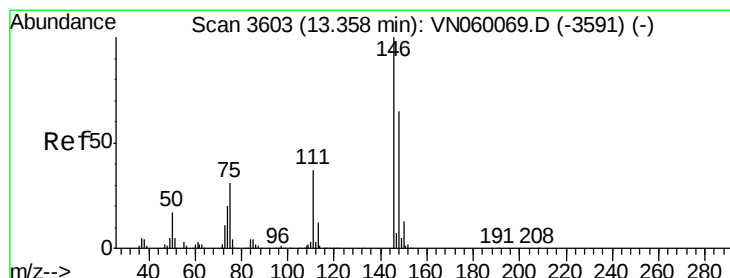
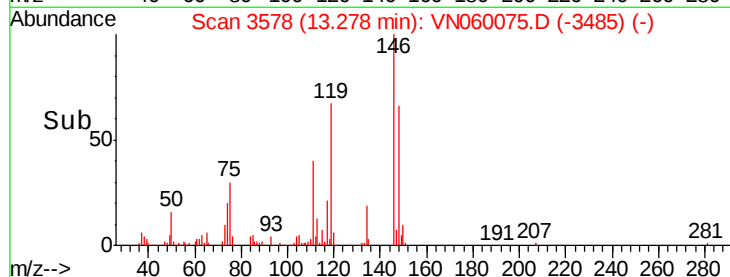
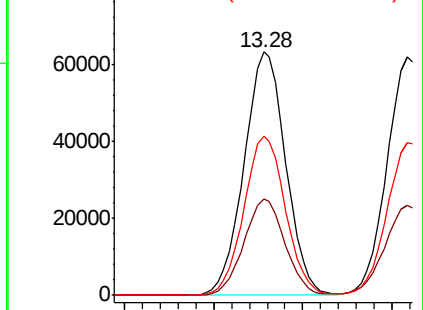
146 100

111 39.1 19.8 59.3

148 65.2 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 19.989 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

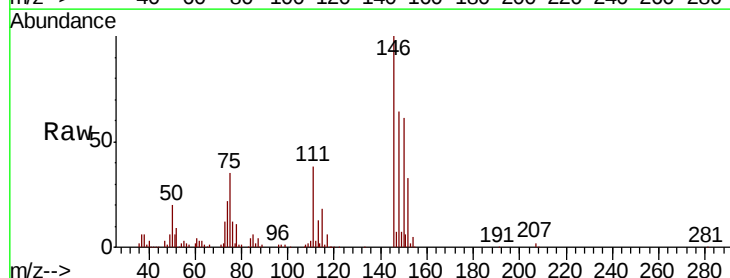
Tgt Ion:146 Resp: 102350

Ion Ratio Lower Upper

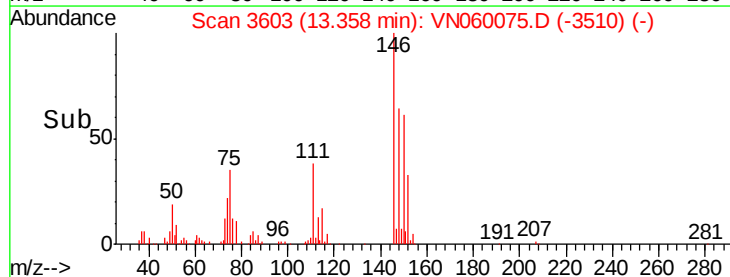
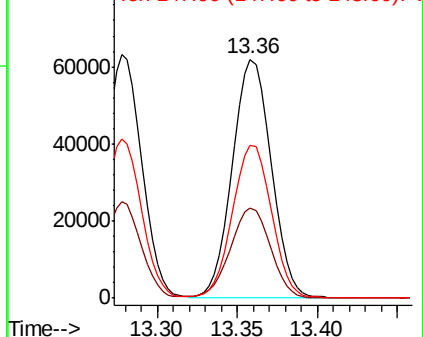
146 100

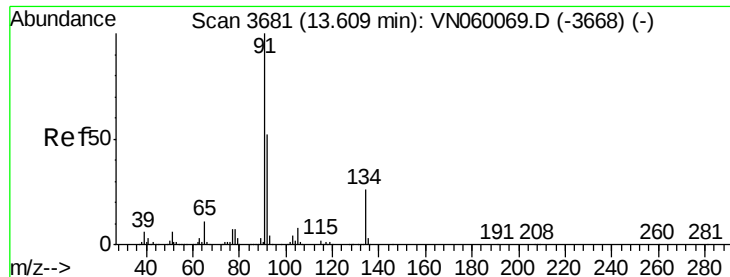
111 39.4 18.9 56.5

148 64.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

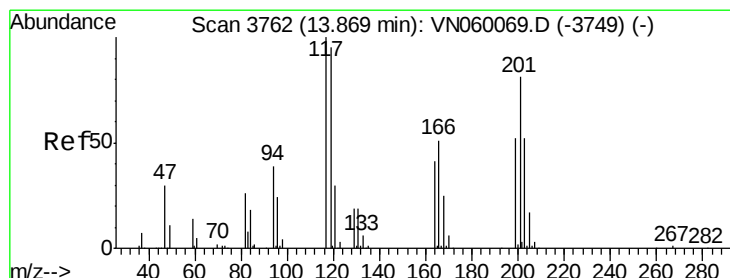
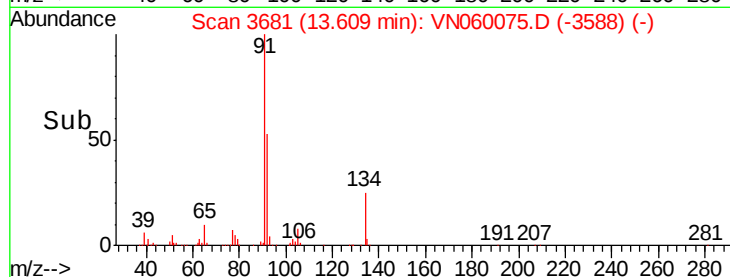
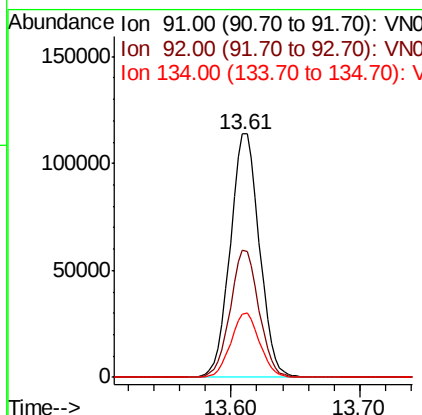
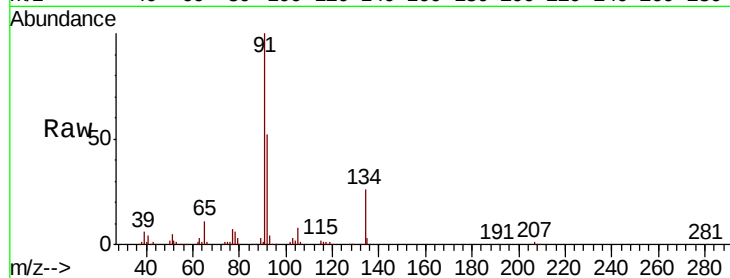




#89
n-Butylbenzene
Concen: 19.757 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

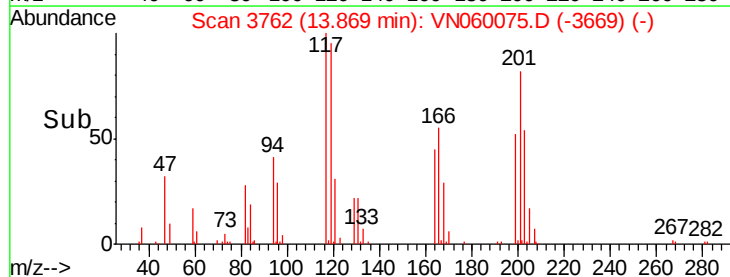
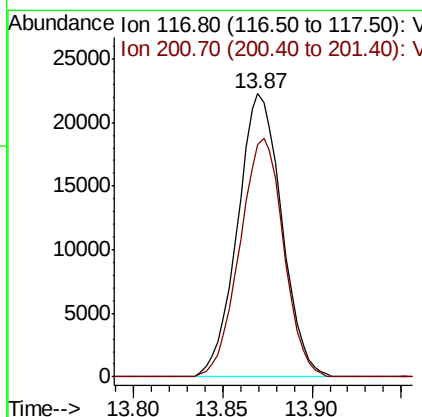
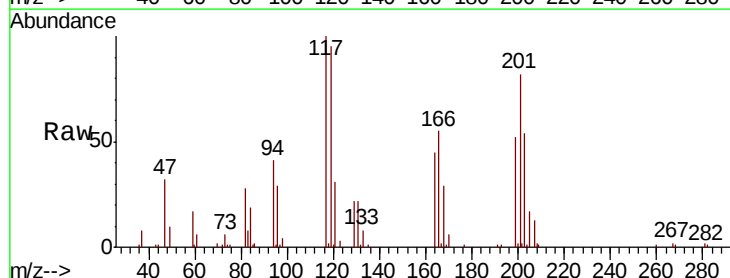
Instrument :
MSVOA_N
ClientSampled :

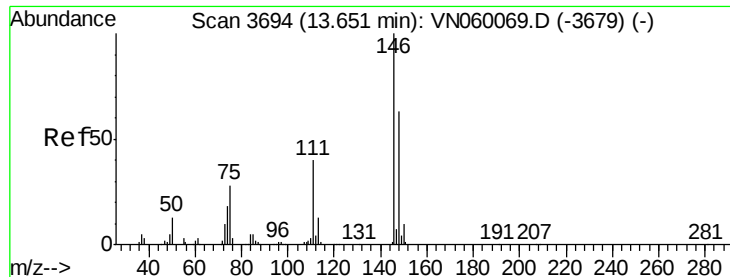
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.1	78.2
134	26.2	13.1	39.3



#90
Hexachloroethane
Concen: 20.026 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	41.7	125.1

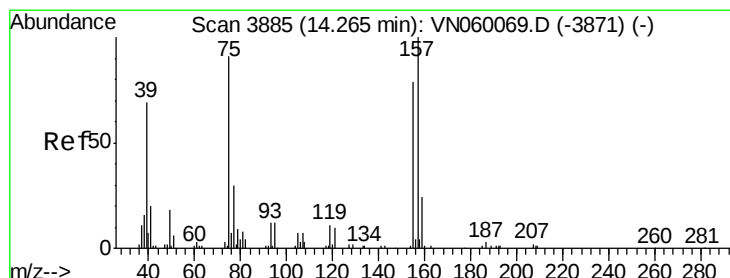
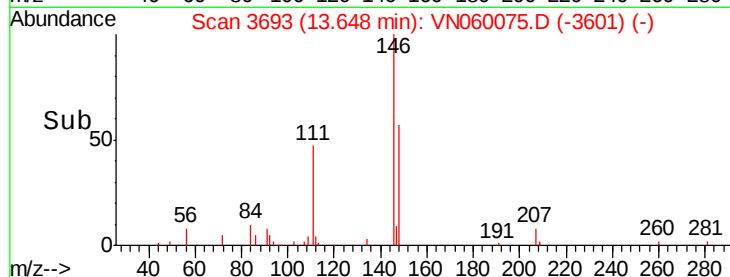
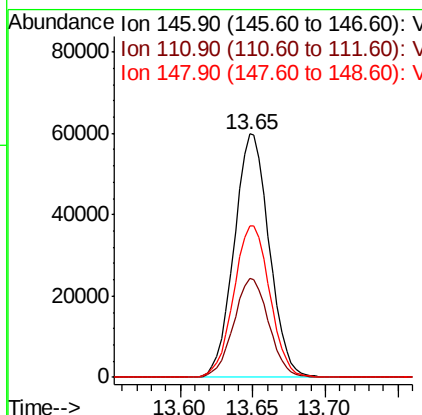
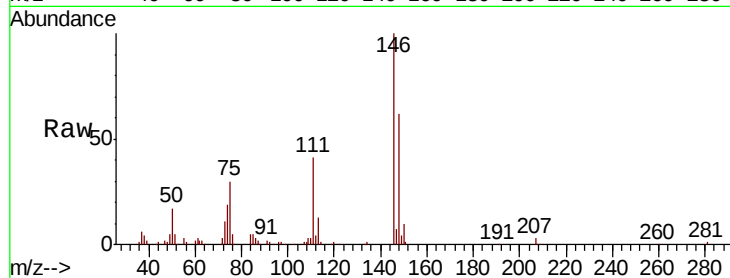




#91
 1,2-Dichlorobenzene
 Concen: 20.055 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

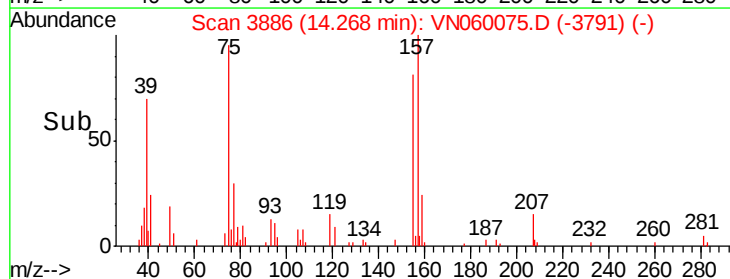
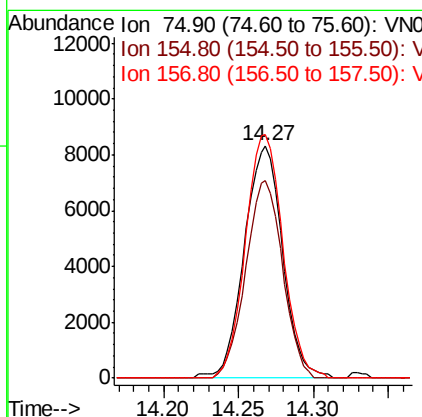
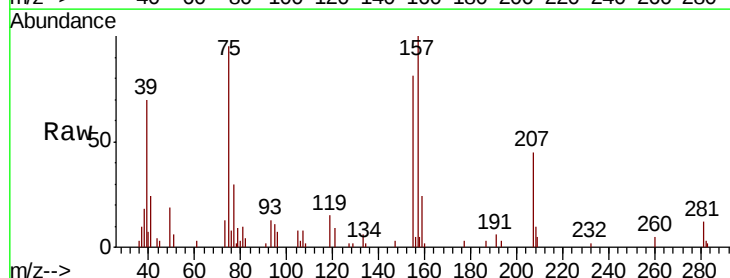
Instrument :
 MSVOA_N
 ClientSampleId :

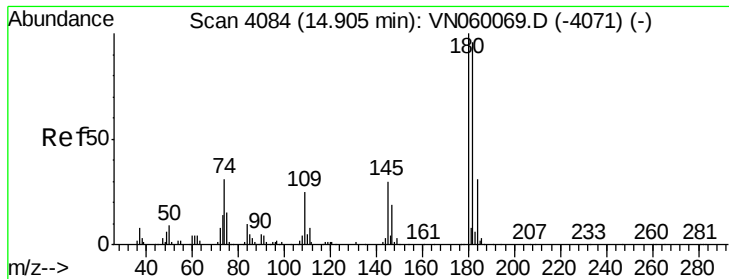
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	64.0	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.378 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	43.0	129.0
157	102.1	54.9	164.5

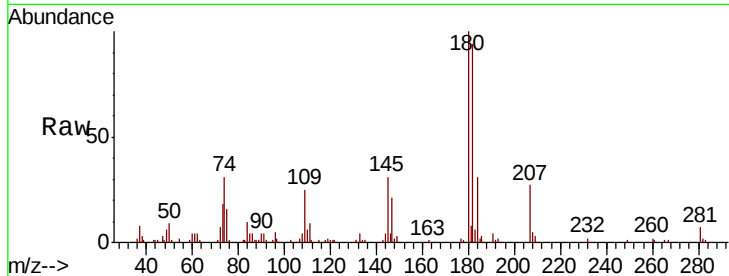




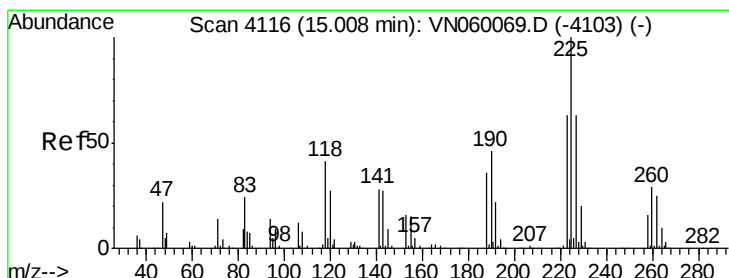
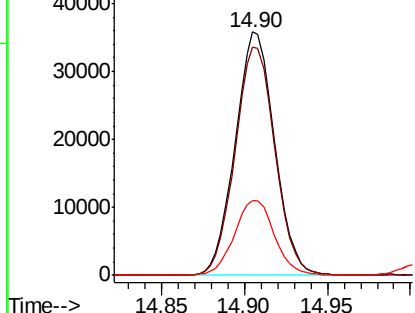
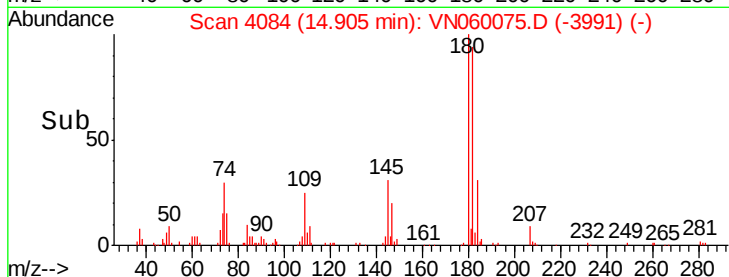
#93
 1,2,4-Trichlorobenzene
 Concen: 20.054 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.8
145	31.4	15.2	45.5

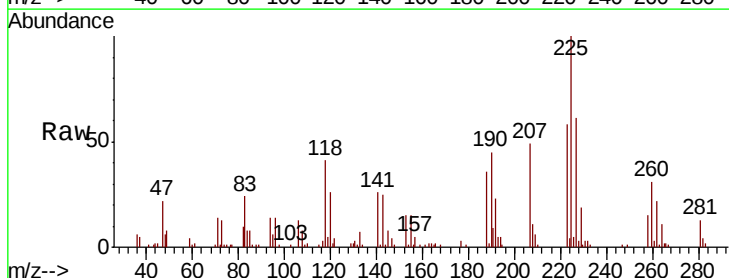


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

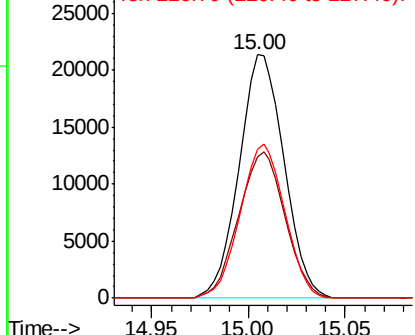
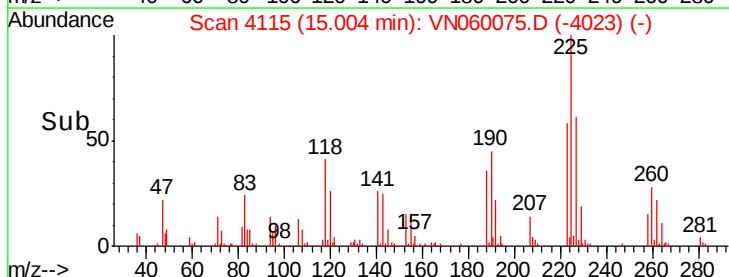


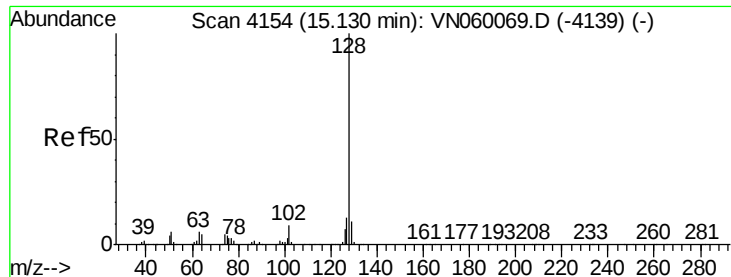
#94
 Hexachlorobutadiene
 Concen: 20.021 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060075.D
 Acq: 12 Feb 2020 15:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.5	94.5
227	62.6	31.8	95.4



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

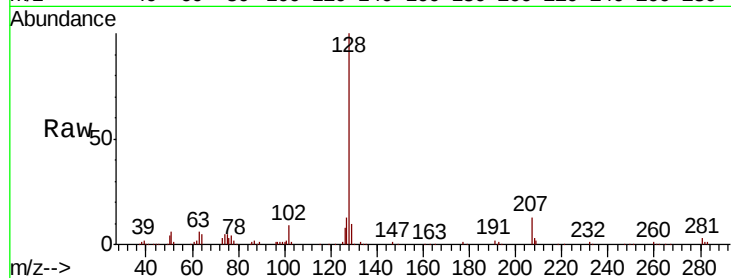




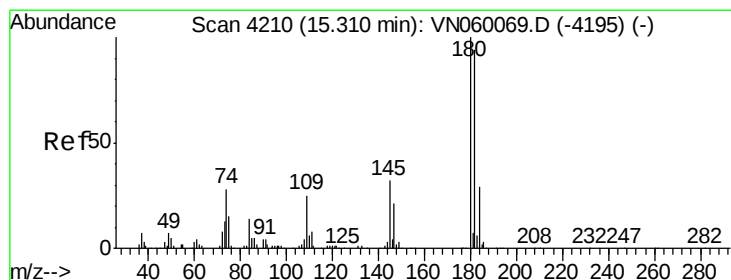
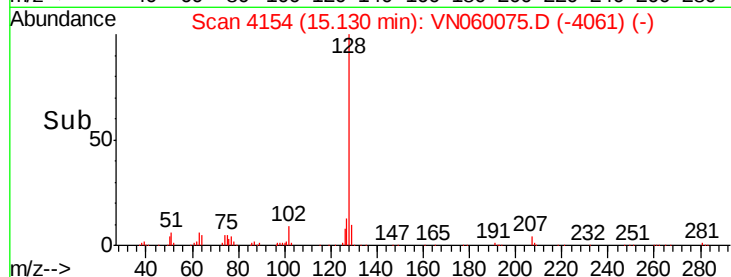
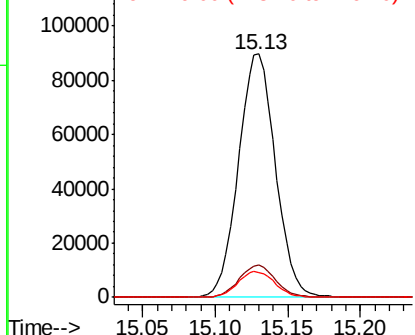
#95
Naphthalene
Concen: 20.012 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 159192
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.6 8.6 13.0

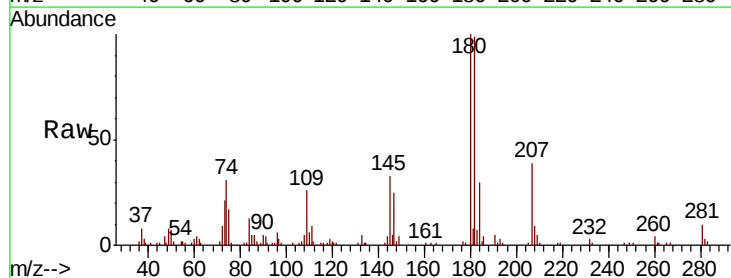


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.718 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060075.D
Acq: 12 Feb 2020 15:42

Tgt Ion:180 Resp: 57826
Ion Ratio Lower Upper
180 100
182 97.0 47.5 142.5
145 31.5 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

