

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060161.D
 Acq On : 20 Feb 2020 9:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:20:35 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	188173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	292150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	278821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141281	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	117032	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
35) Dibromofluoromethane	7.56	113	95975	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	
50) Toluene-d8	10.08	98	369085	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.40	95	139799	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	96625	51.372	ug/l	99
3) Chloromethane	2.04	50	107725	48.127	ug/l	99
4) Vinyl Chloride	2.17	62	123225	48.298	ug/l	99
5) Bromomethane	2.54	94	77906	49.799	ug/l	97
6) Chloroethane	2.68	64	64266	49.801	ug/l	99
7) Trichlorofluoromethane	3.00	101	162316	49.345	ug/l	100
8) Diethyl Ether	3.38	74	56333	51.447	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92504	50.652	ug/l	99
10) Methyl Iodide	3.93	142	125890	51.228	ug/l	99
11) Tert butyl alcohol	4.72	59	82970	242.143	ug/l	100
12) 1,1-Dichloroethene	3.72	96	89581	50.352	ug/l	98
13) Acrolein	3.57	56	75876	224.029	ug/l	97
14) Allyl chloride	4.29	41	129109	49.305	ug/l	98
15) Acrylonitrile	4.94	53	218294	260.869	ug/l	100
16) Acetone	3.78	43	278779	279.121	ug/l	99
17) Carbon Disulfide	4.03	76	253594	47.290	ug/l	98
18) Methyl Acetate	4.28	43	100270	53.443	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	300286	50.190	ug/l	99
20) Methylene Chloride	4.52	84	99647	50.008	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	97017	50.025	ug/l	100
22) Diisopropyl ether	5.91	45	296681	51.697	ug/l	98
23) Vinyl Acetate	5.86	43	1253324	260.063	ug/l	99
24) 1,1-Dichloroethane	5.82	63	176601	50.798	ug/l	99
25) 2-Butanone	6.80	43	345155	274.775	ug/l	98
26) 2,2-Dichloropropane	6.79	77	169709	51.395	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	114528	50.461	ug/l	99
28) Bromochloromethane	7.17	49	68964	50.458	ug/l #	99
29) Tetrahydrofuran	7.17	42	193142	250.634	ug/l	98
30) Chloroform	7.34	83	185262	50.872	ug/l	98
31) Cyclohexane	7.63	56	157048	48.494	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	169607	50.965	ug/l	100
36) 1,1-Dichloropropene	7.77	75	139163	51.427	ug/l	99
37) Ethyl Acetate	6.89	43	125912	51.485	ug/l	98
38) Carbon Tetrachloride	7.75	117	149959	51.026	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	173218	51.567	ug/l	99
40) Benzene	8.02	78	410649	51.158	ug/l	100
41) Methacrylonitrile	7.17	41	180820	176.303	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	146081	51.924	ug/l	99
43) Isopropyl Acetate	8.14	43	218409	52.244	ug/l	99
44) Trichloroethene	8.81	130	112672	50.693	ug/l	98
45) 1,2-Dichloropropane	9.10	63	106208	53.444	ug/l	99
46) Dibromomethane	9.19	93	73096	52.049	ug/l	99
47) Bromodichloromethane	9.38	83	151140	52.935	ug/l	98
48) Methyl methacrylate	9.18	41	96814	51.615	ug/l	99
49) 1,4-Dioxane	9.18	88	33627	1049.274	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	639579	264.312	ug/l	100
52) Toluene	10.14	92	265069	51.495	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	173590	53.863	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	178538	52.609	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	104605	52.090	ug/l	99
56) Ethyl methacrylate	10.42	69	153242	53.944	ug/l	98
57) 1,3-Dichloropropane	10.70	76	171128	51.644	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	300631	227.159	ug/l	100
59) 2-Hexanone	10.74	43	520452	278.432	ug/l	99
60) Dibromochloromethane	10.89	129	121268	52.623	ug/l	99
61) 1,2-Dibromoethane	10.99	107	112127	53.264	ug/l	99
64) Tetrachloroethene	10.62	164	106462	50.228	ug/l	98
65) Chlorobenzene	11.42	112	291885	51.383	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	111232	51.761	ug/l	100
67) Ethyl Benzene	11.50	91	528065	51.542	ug/l	100
68) m/p-Xylenes	11.61	106	399479	103.890	ug/l	100
69) o-Xylene	11.94	106	190759	51.524	ug/l	99
70) Styrene	11.96	104	318616	53.367	ug/l	100
71) Bromoform	12.12	173	92593	53.571	ug/l #	98
73) Isopropylbenzene	12.24	105	528194	50.065	ug/l	100
74) N-amyl acetate	12.06	43	200121	52.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152470	50.209	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	207611	76.807	ug/l #	100
77) Bromobenzene	12.52	156	131658	50.285	ug/l	99
78) n-propylbenzene	12.59	91	611814	50.899	ug/l	100
79) 2-Chlorotoluene	12.67	91	348897	49.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	445934	50.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58125	52.652	ug/l	99
82) 4-Chlorotoluene	12.77	91	368724	50.869	ug/l	100
83) tert-Butylbenzene	12.99	119	385704	49.705	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	445408	51.439	ug/l	100
85) sec-Butylbenzene	13.17	105	520737	50.671	ug/l	100
86) p-Isopropyltoluene	13.28	119	482254	51.793	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	240232	51.835	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	237876	51.337	ug/l	99
89) n-Butylbenzene	13.61	91	433595	52.944	ug/l	99
90) Hexachloroethane	13.87	117	87661	50.395	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	230816	50.890	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31875	49.357	ug/l	97

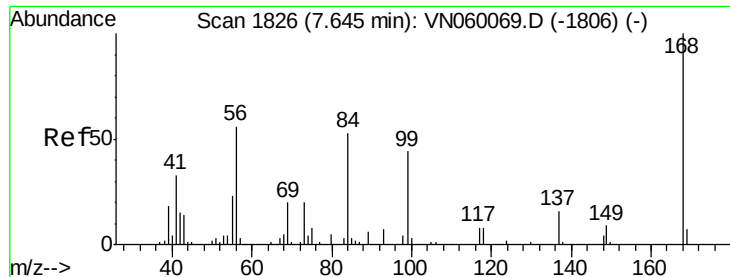
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	142330	53.408	ug/l	100
94) Hexachlorobutadiene	15.00	225	78503	50.318	ug/l	99
95) Naphthalene	15.13	128	361585	50.228	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	136650	51.490	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

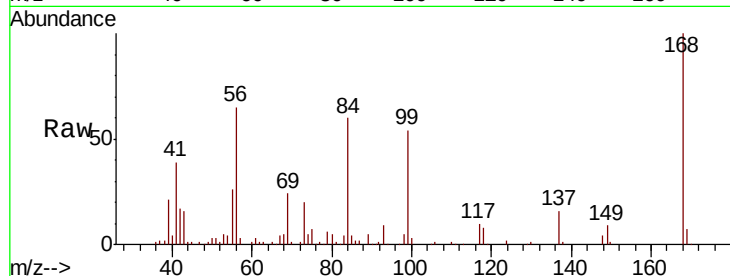
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 188173

Ion Ratio Lower Upper

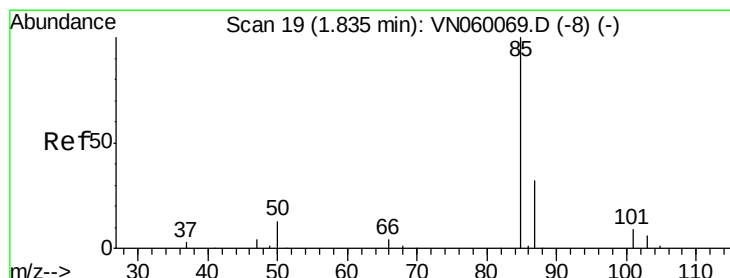
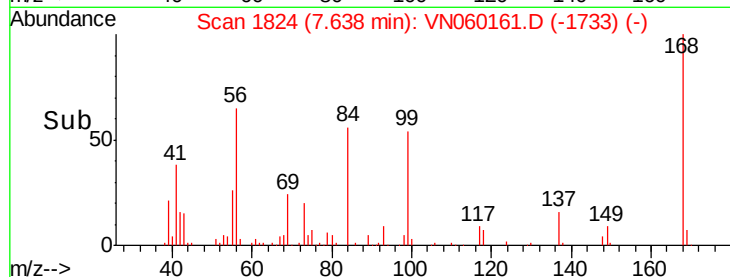
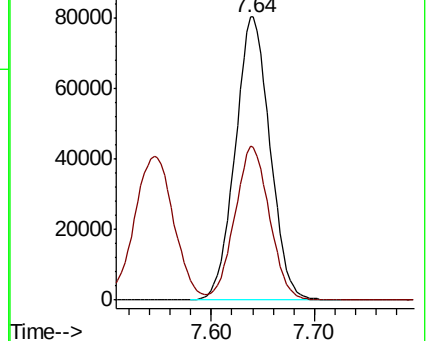
168 100

99 54.2 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 51.372 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060161.D

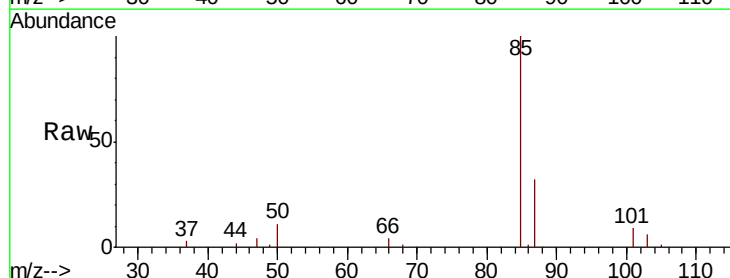
Acq: 20 Feb 2020 9:54

Tgt Ion: 85 Resp: 96625

Ion Ratio Lower Upper

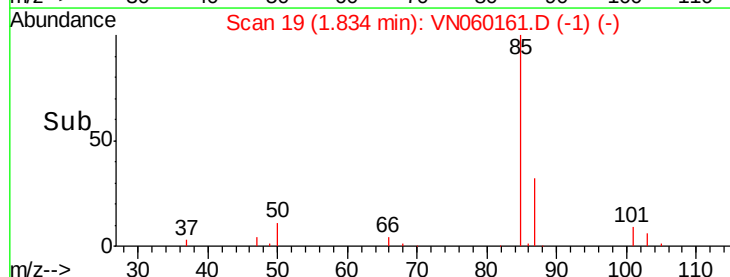
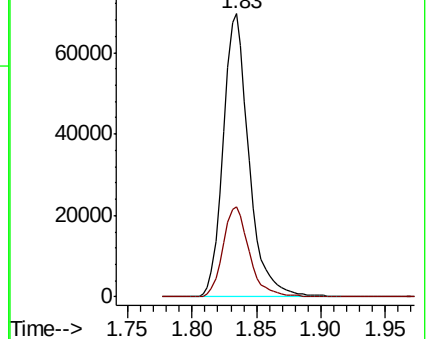
85 100

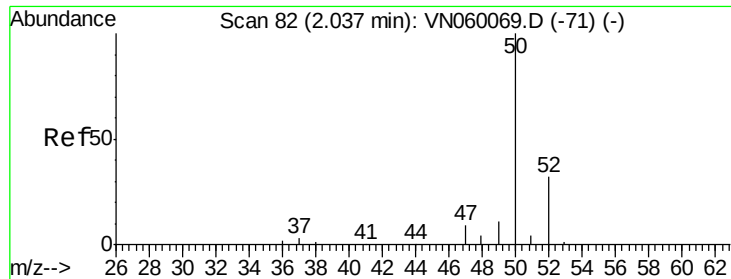
87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 48.127 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

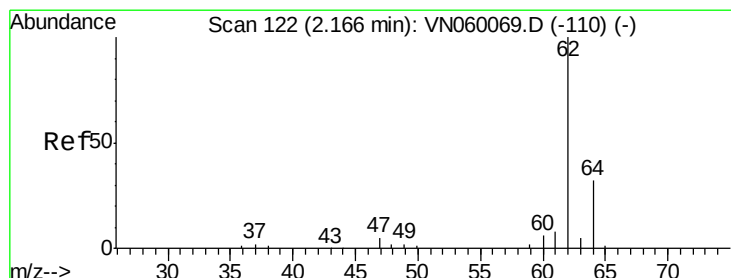
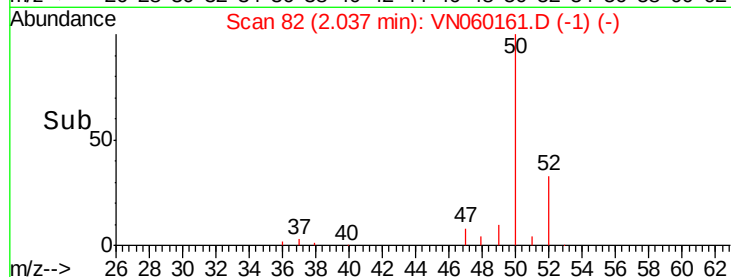
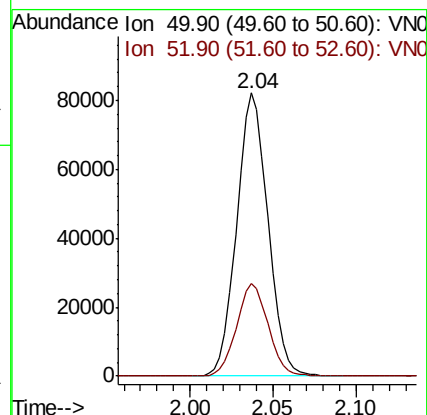
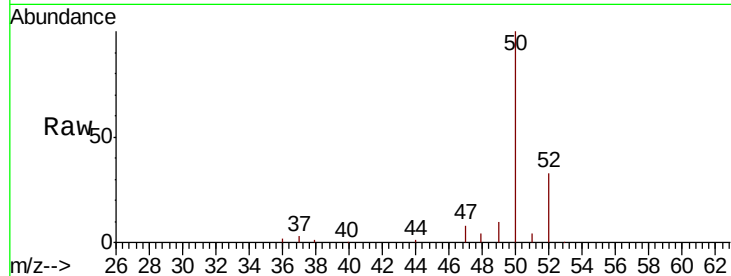
ClientSampleId :

Tot Ion: 50 Resp: 107725

Ion Ratio Lower Upper

50 100

52 32.7 25.6 38.4



#4

Vinyl Chloride

Concen: 48.298 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060161.D

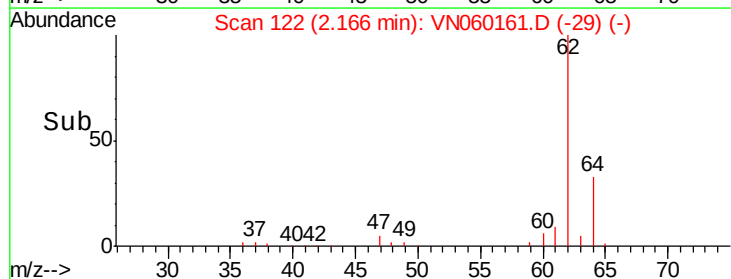
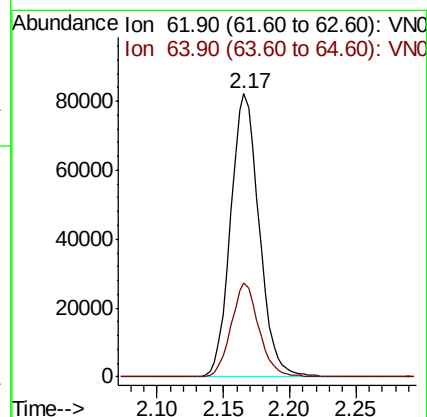
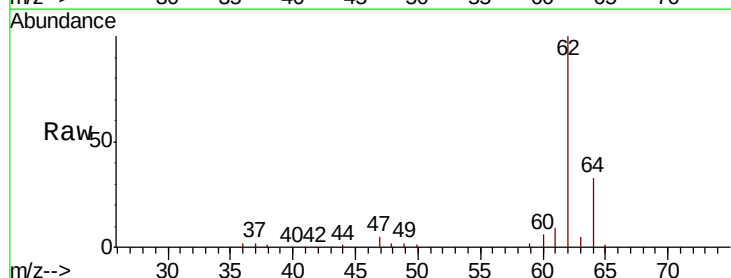
Acq: 20 Feb 2020 9:54

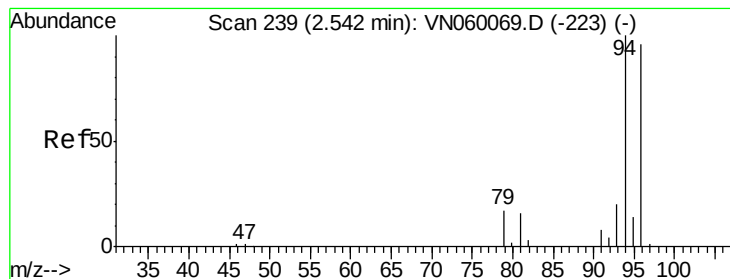
Tgt Ion: 62 Resp: 123225

Ion Ratio Lower Upper

62 100

64 33.1 25.9 38.9





#5

Bromomethane

Concen: 49.799 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

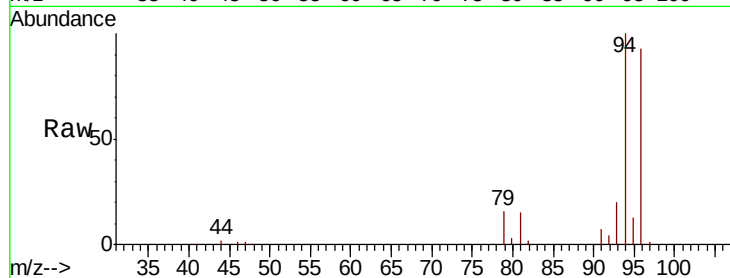
ClientSampleId :

Tot Ion: 94 Resp: 77906

Ion Ratio Lower Upper

94 100

96 93.0 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VN060161.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060161.D (-223) (-)

2.54

40000

30000

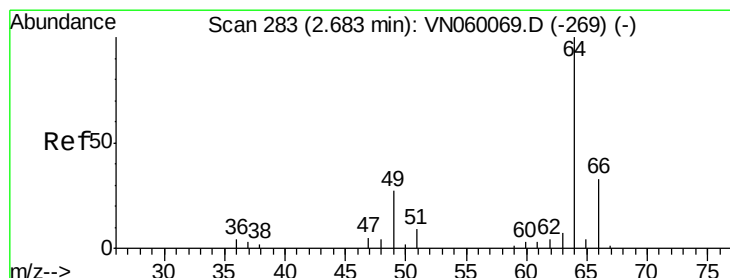
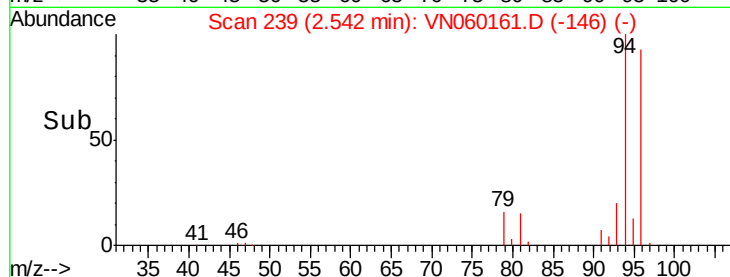
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 49.801 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060161.D

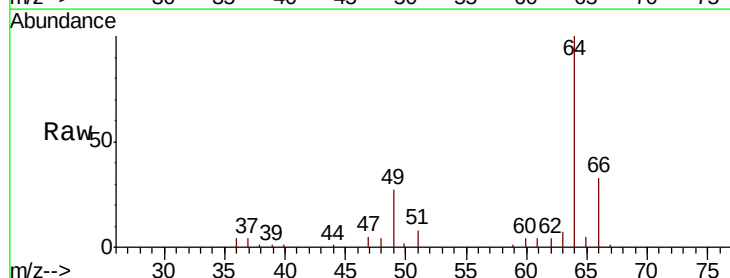
Acq: 20 Feb 2020 9:54

Tgt Ion: 64 Resp: 64266

Ion Ratio Lower Upper

64 100

66 32.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN060161.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN060161.D (-269) (-)

2.68

30000

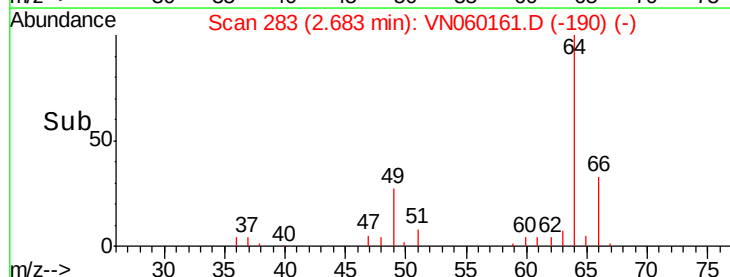
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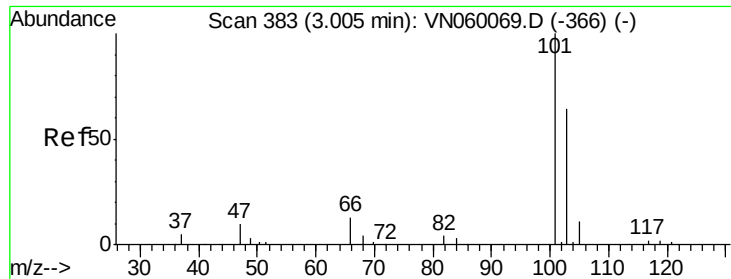
10000

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Time-->

2.60 2.70 2.80



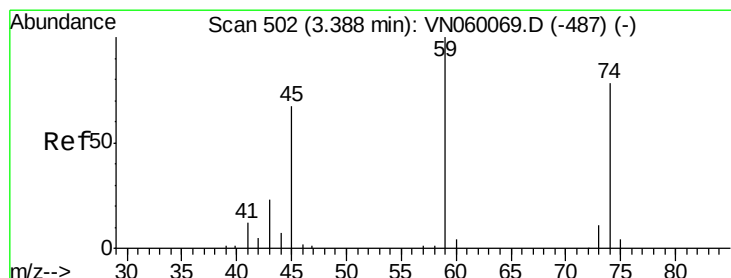
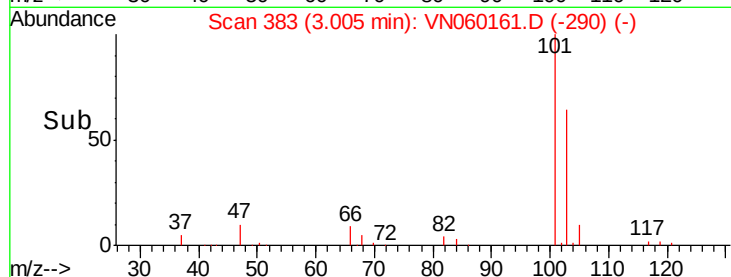
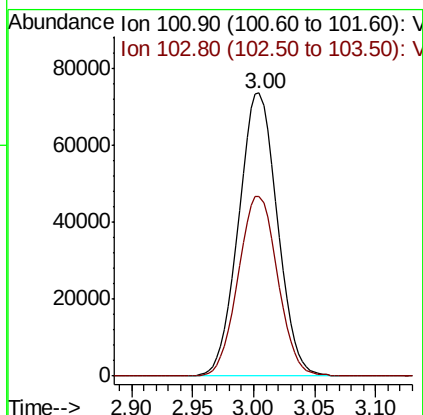
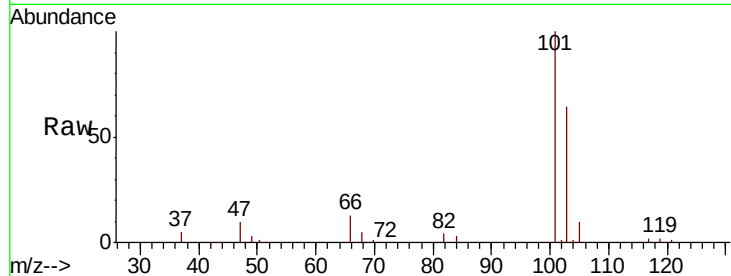


#7

Trichlorofluoromethane
 Concen: 49.345 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampleId :

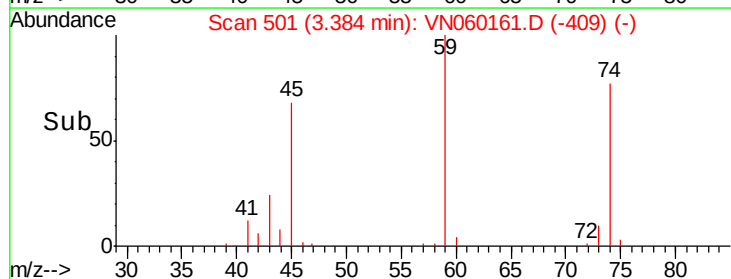
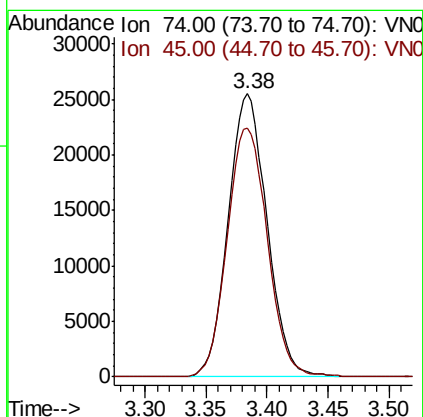
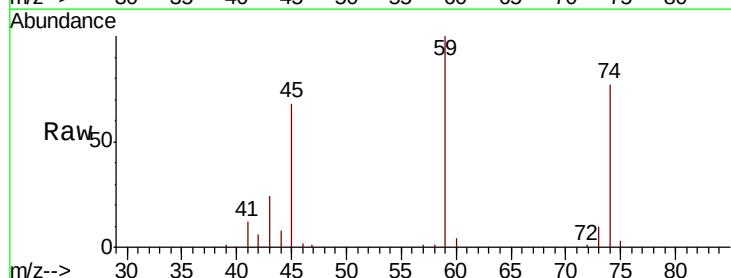
Tot Ion:101 Resp: 162316
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.0 76.6

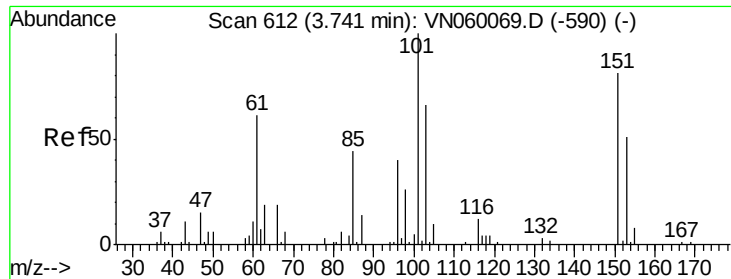


#8

Diethyl Ether
 Concen: 51.447 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion: 74 Resp: 56333
 Ion Ratio Lower Upper
 74 100
 45 91.3 44.7 134.1

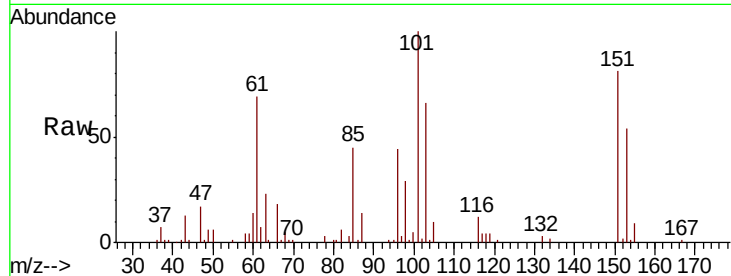




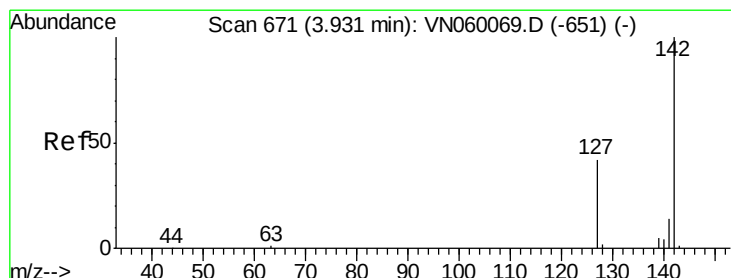
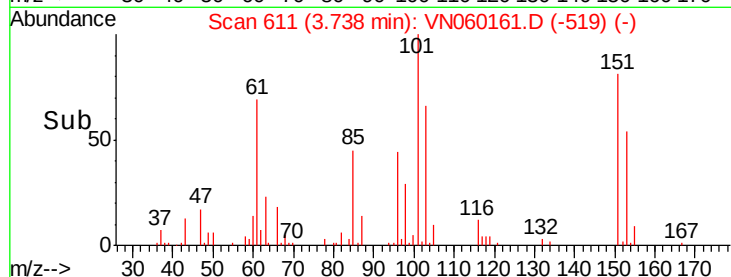
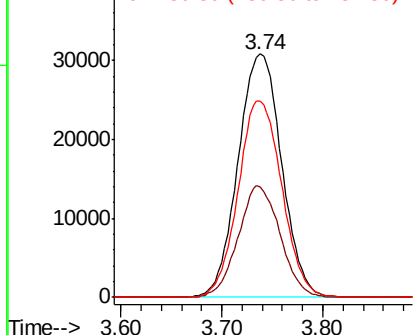
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.652 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 92504
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.1 52.7
 151 80.8 65.8 98.6

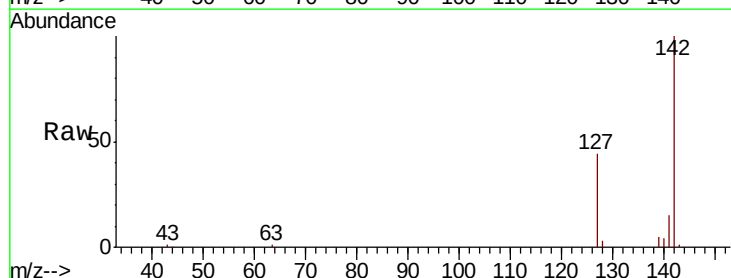


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

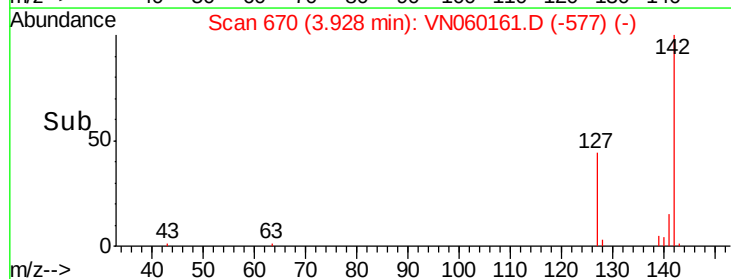
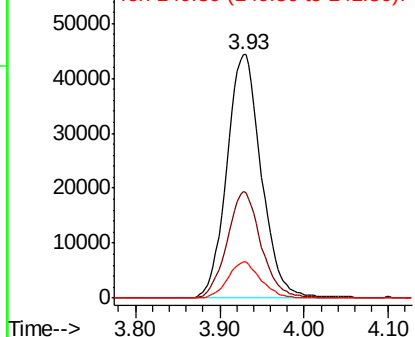


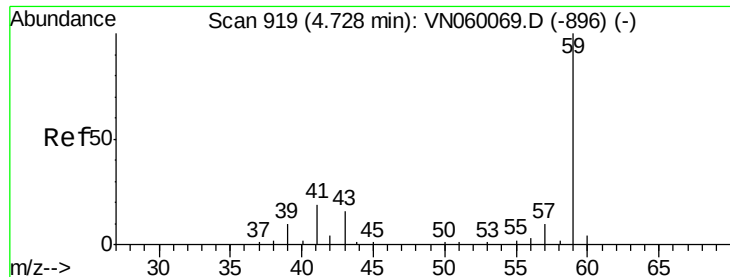
#10
 Methyl Iodide
 Concen: 51.228 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion:142 Resp: 125890
 Ion Ratio Lower Upper
 142 100
 127 42.8 33.6 50.4
 141 14.2 11.4 17.2



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

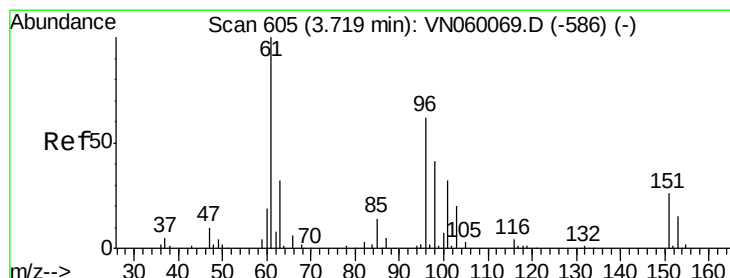
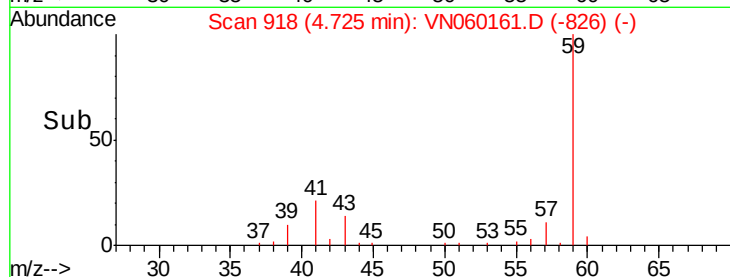
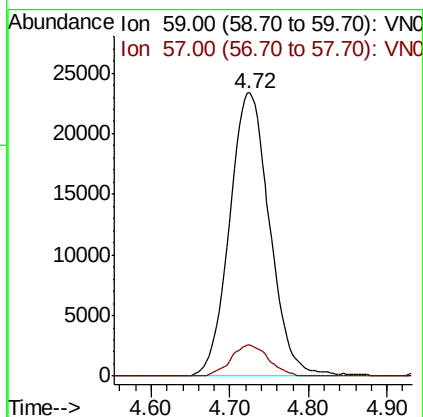
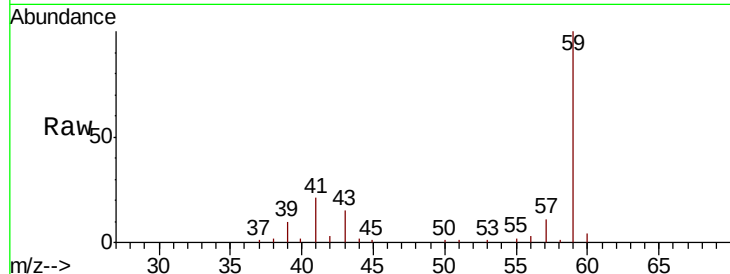




#11
Tert butyl alcohol
Concen: 242.143 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

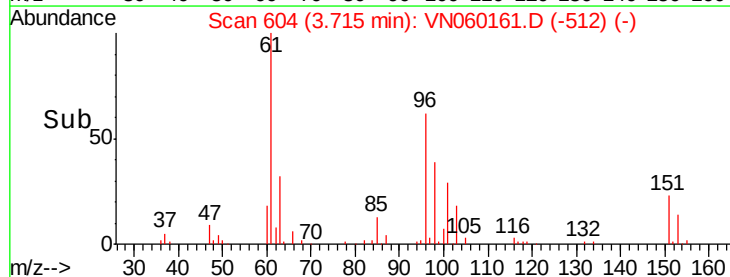
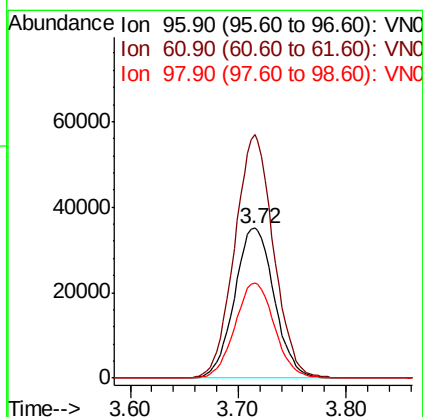
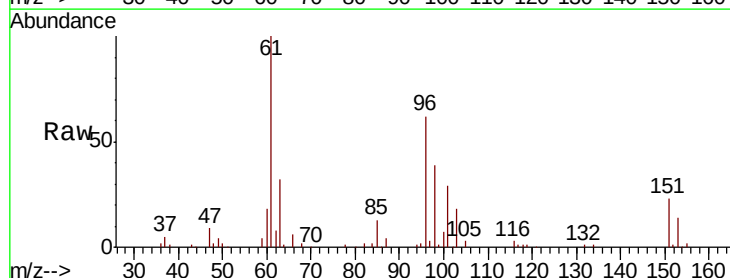
Instrument :
MSVOA_N
ClientSampled :

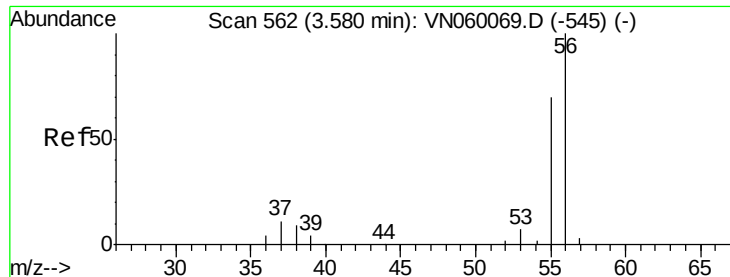
Tot Ion: 59 Resp: 82970
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 50.352 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 96 Resp: 89581
Ion Ratio Lower Upper
96 100
61 162.3 128.3 192.5
98 63.6 52.2 78.4





#13

Acrolein

Concen: 224.029 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

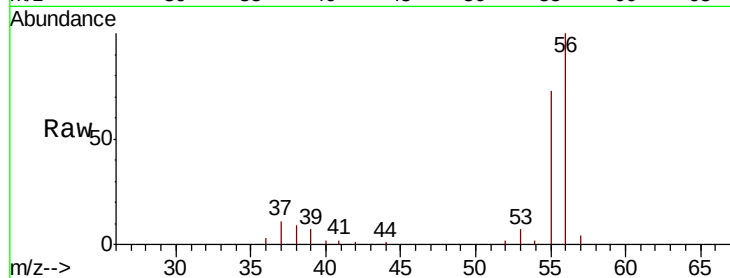
ClientSampleId :

Tot Ion: 56 Resp: 75876

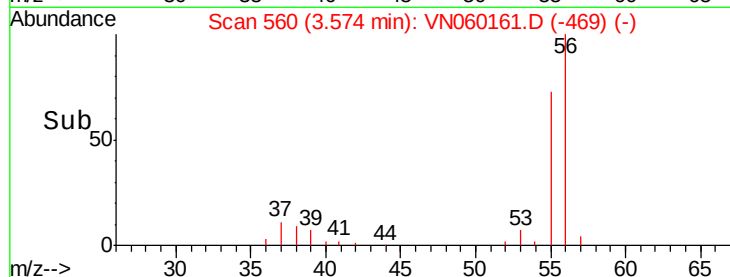
Ion Ratio Lower Upper

56 100

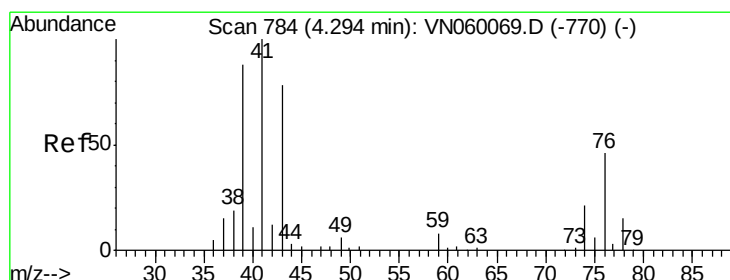
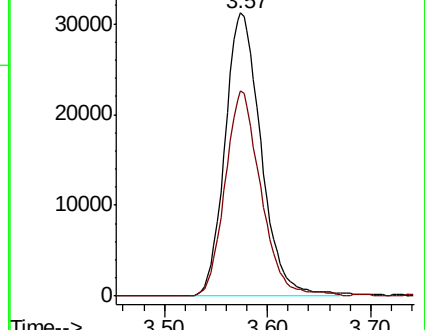
55 71.1 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060161.D (-469) (-)



Ion 55.00 (54.70 to 55.70): VN060161.D (-469) (-)



#14

Allyl chloride

Concen: 49.305 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

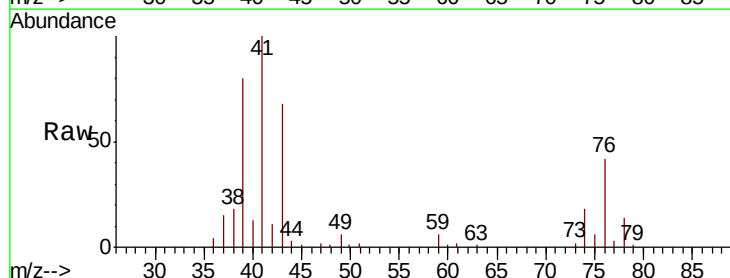
Tgt Ion: 41 Resp: 129109

Ion Ratio Lower Upper

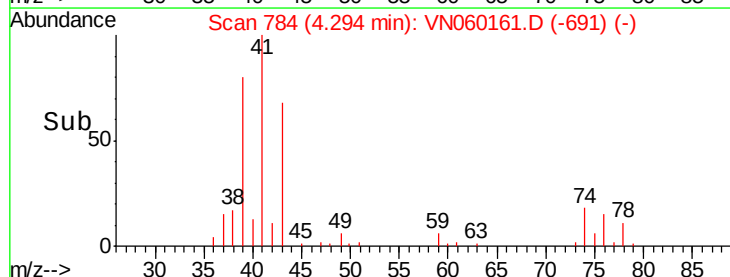
41 100

39 82.9 67.8 101.8

76 42.1 33.9 50.9

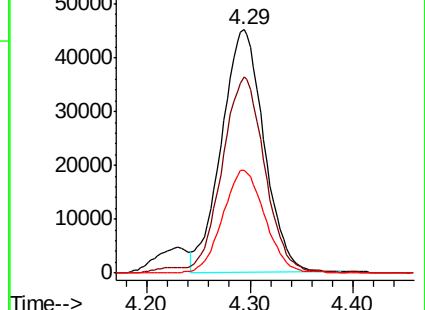


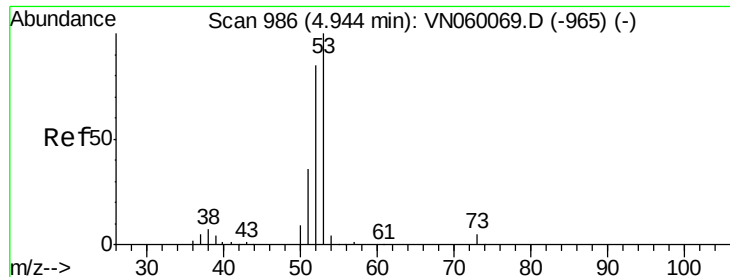
Abundance Ion 41.00 (40.70 to 41.70): VN060161.D (-691) (-)



Ion 39.00 (38.70 to 39.70): VN060161.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060161.D (-691) (-)





#15

Acrylonitrile

Concen: 260.869 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

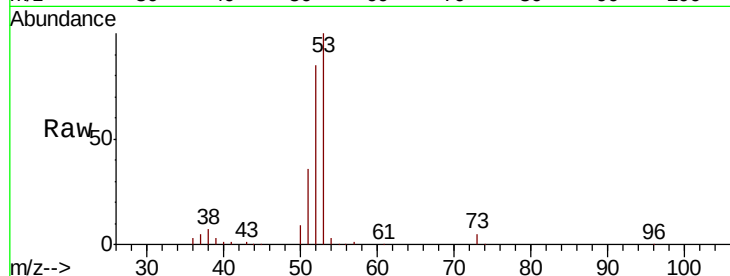
Tot Ion: 53 Resp: 218294

Ion Ratio Lower Upper

53 100

52 83.4 66.8 100.2

51 36.5 29.4 44.0

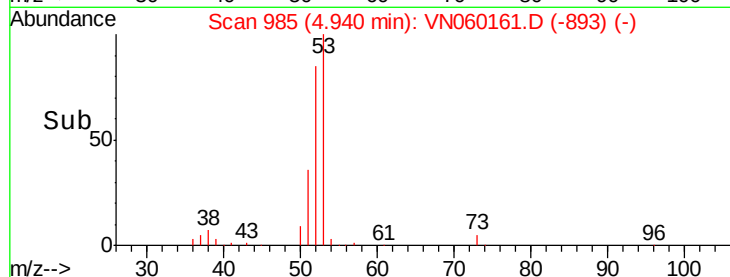


Abundance Ion 53.00 (52.70 to 53.70): VN060161.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060161.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060161.D (-965) (-)

Time-->

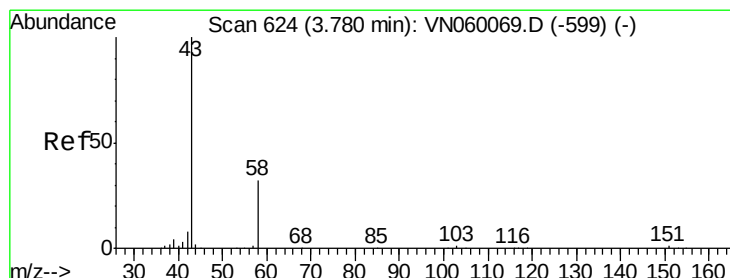


Abundance Ion 53.00 (52.70 to 53.70): VN060161.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060161.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060161.D (-893) (-)

Time-->



#16

Acetone

Concen: 279.121 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060161.D

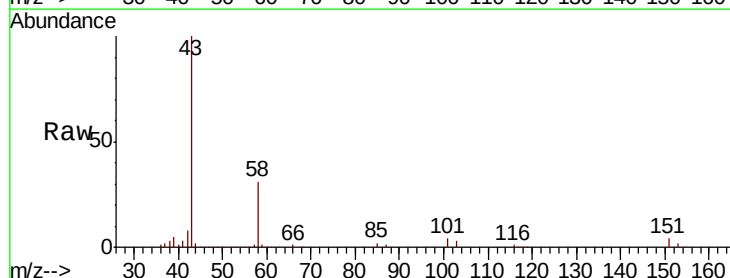
Acq: 20 Feb 2020 9:54

Tgt Ion: 43 Resp: 278779

Ion Ratio Lower Upper

43 100

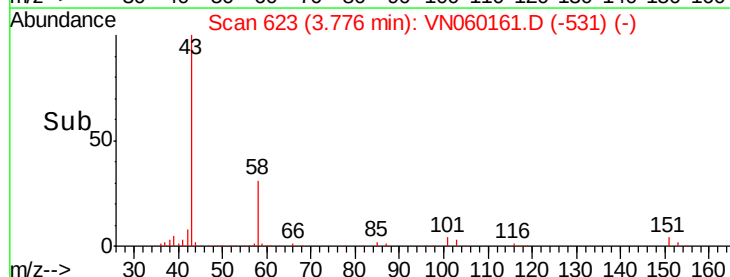
58 30.8 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060161.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060161.D (-599) (-)

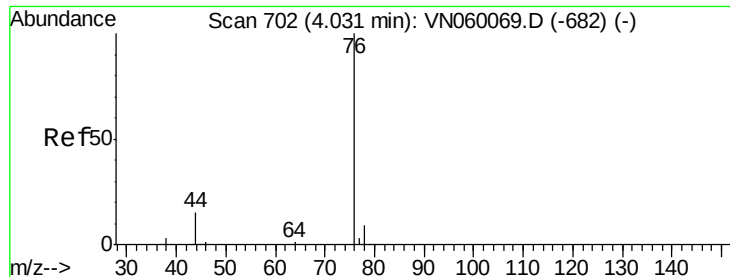
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN060161.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060161.D (-531) (-)

Time-->



#17

Carbon Disulfide

Concen: 47.290 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

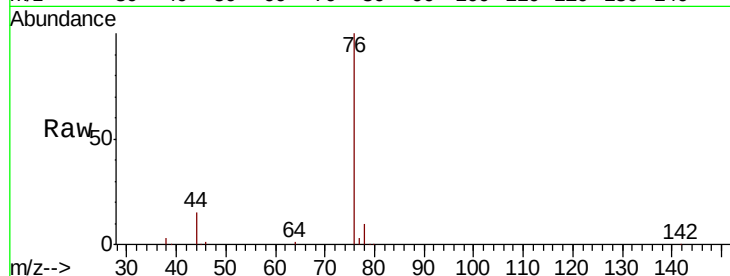
ClientSampled :

Tot Ion: 76 Resp: 253594

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN060161.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN060161.D (-682) (-)

4.03

100000

80000

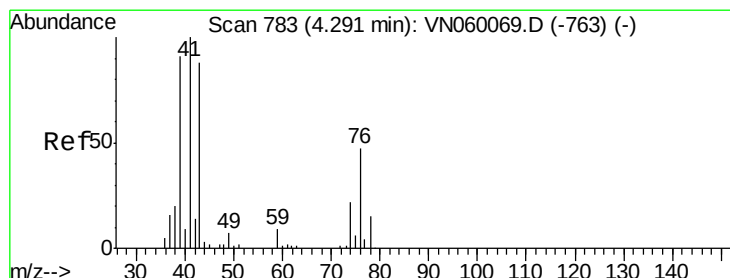
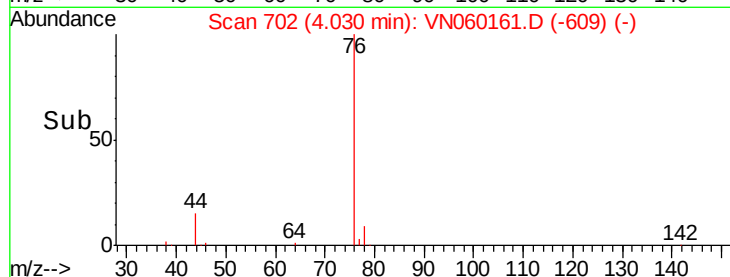
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 53.443 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.01 min

Lab File: VN060161.D

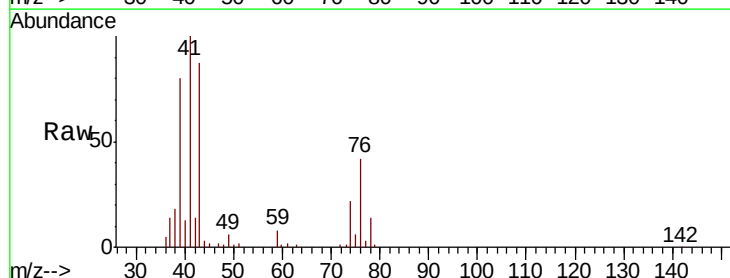
Acq: 20 Feb 2020 9:54

Tgt Ion: 43 Resp: 100270

Ion Ratio Lower Upper

43 100

74 25.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN060161.D (-690) (-)

Ion 74.00 (73.70 to 74.70): VN060161.D (-690) (-)

4.28

40000

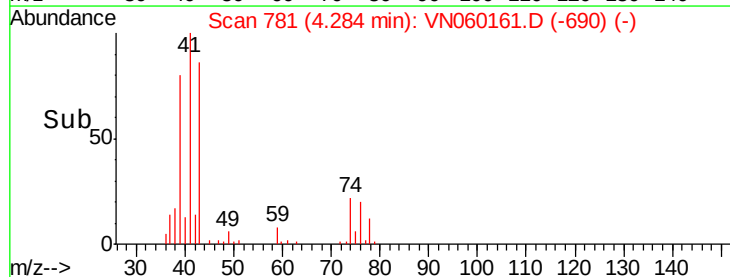
30000

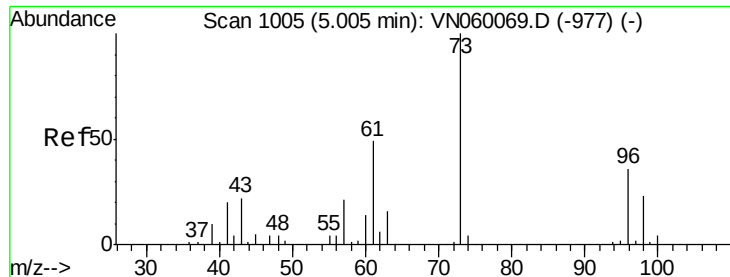
20000

10000

0

Time-->

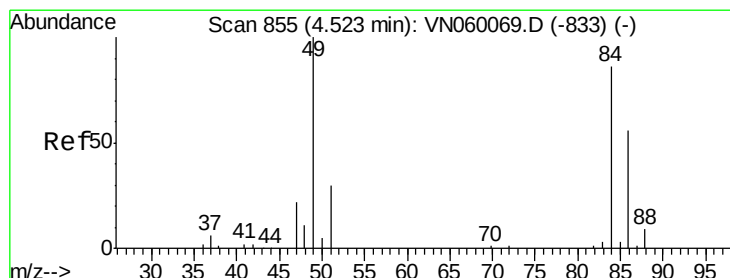
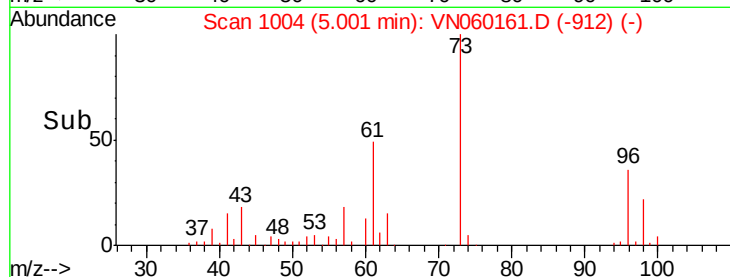
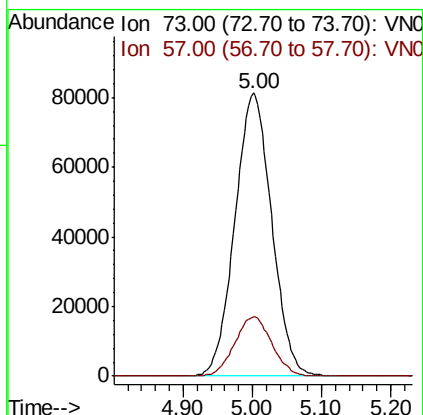
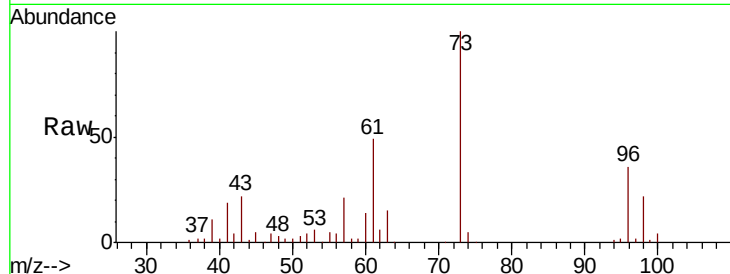




#19
Methyl tert-butyl Ether
Concen: 50.190 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

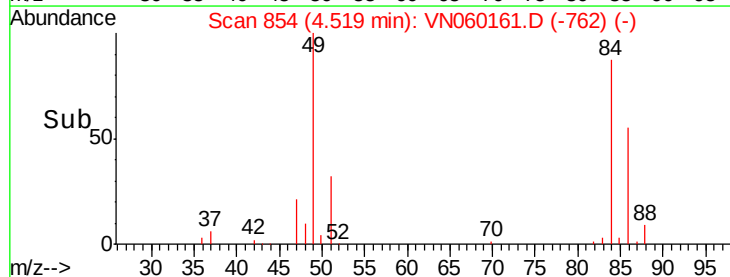
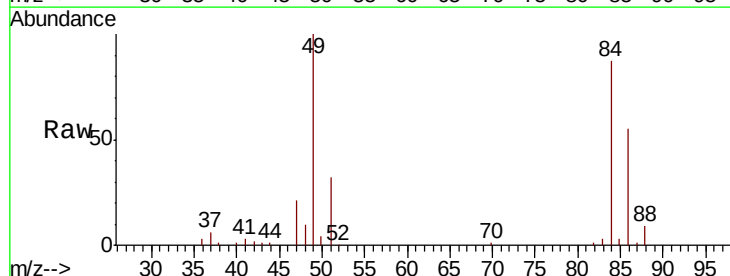
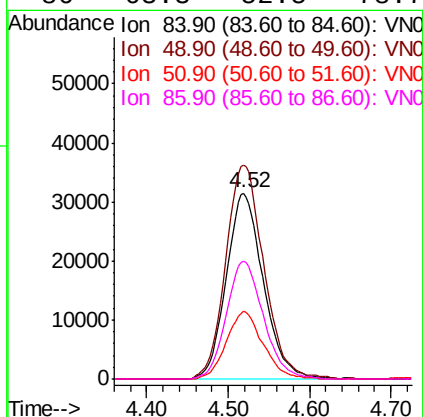
Instrument :
MSVOA_N
ClientSampled :

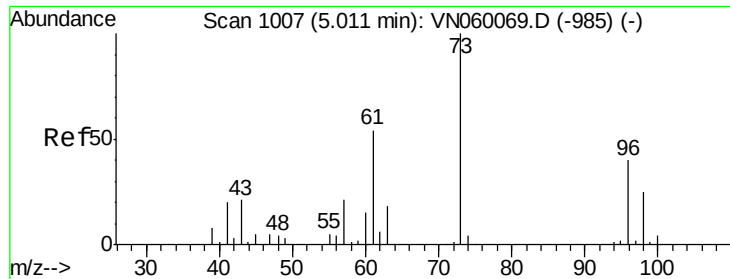
Tot Ion: 73 Resp: 300286
Ion Ratio Lower Upper
73 100
57 20.8 17.2 25.8



#20
Methylene Chloride
Concen: 50.008 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 84 Resp: 99647
Ion Ratio Lower Upper
84 100
49 114.8 93.4 140.0
51 36.5 28.4 42.6
86 63.3 52.5 78.7

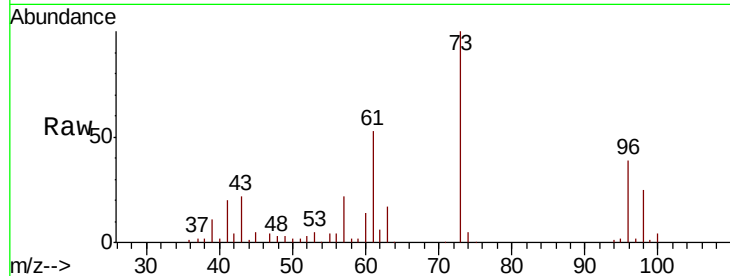




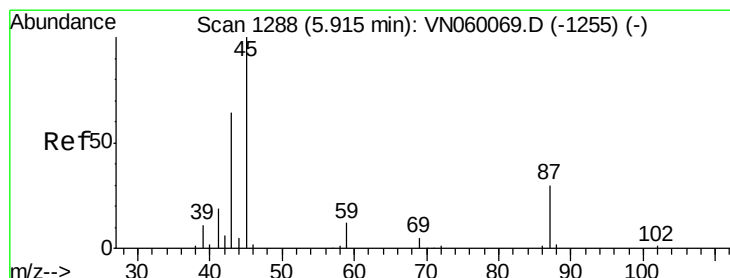
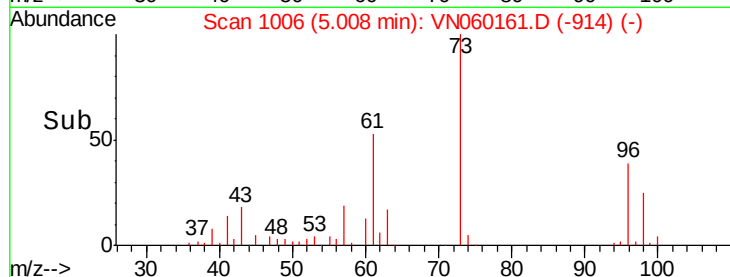
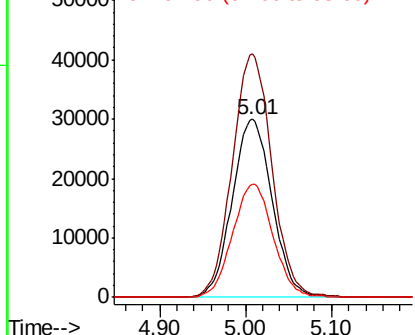
#21
trans-1,2-Dichloroethene
Concen: 50.025 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 97017
Ion Ratio Lower Upper
96 100
61 136.6 109.3 163.9
98 63.7 51.0 76.6

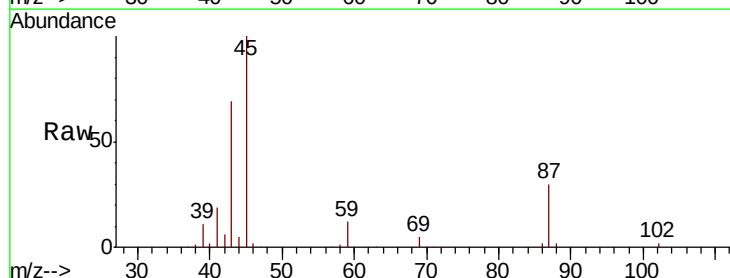


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

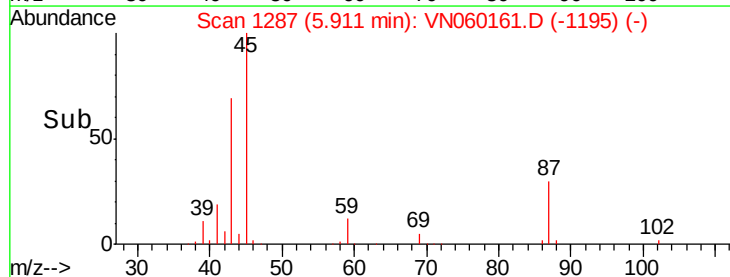
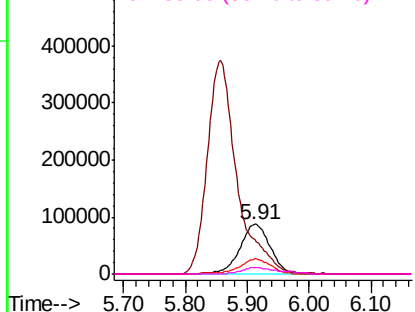


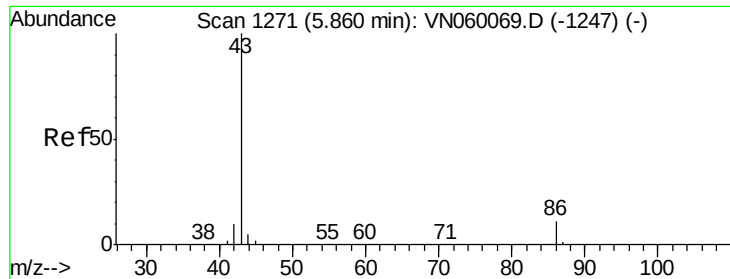
#22
Diisopropyl ether
Concen: 51.697 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 45 Resp: 296681
Ion Ratio Lower Upper
45 100
43 67.6 55.9 83.9
87 29.8 24.5 36.7
59 12.4 9.9 14.9



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

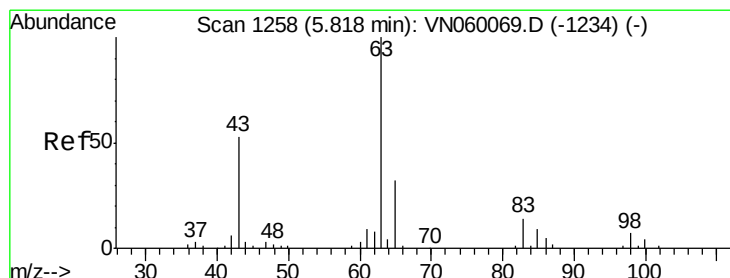
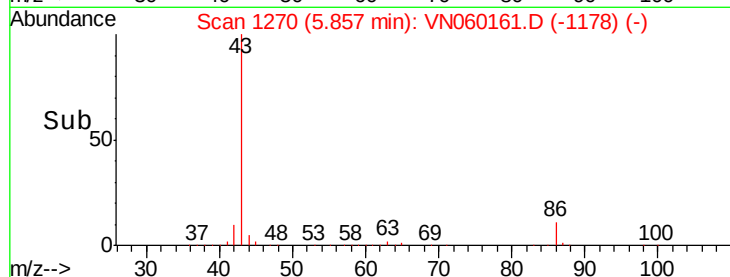
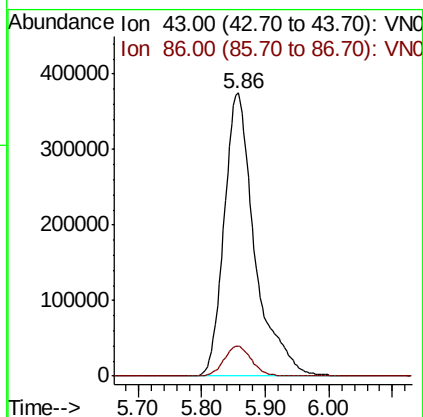
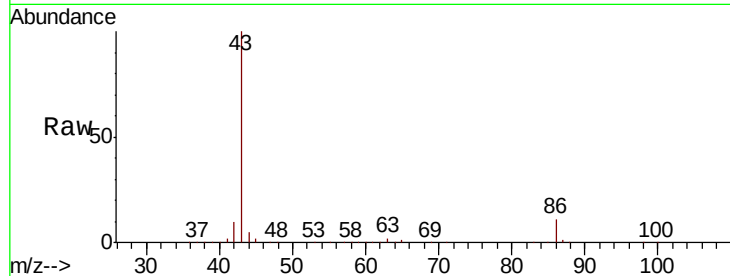




#23
 Vinyl Acetate
 Concen: 260.063 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

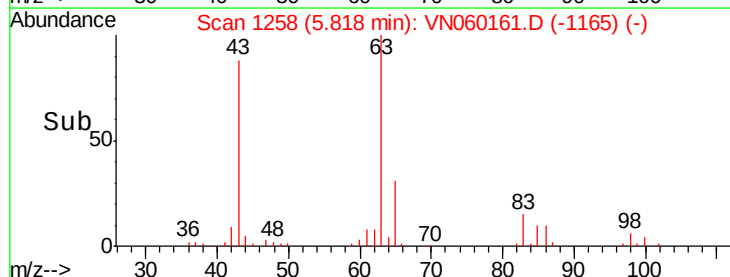
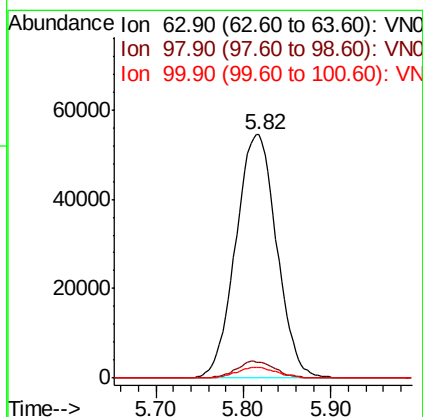
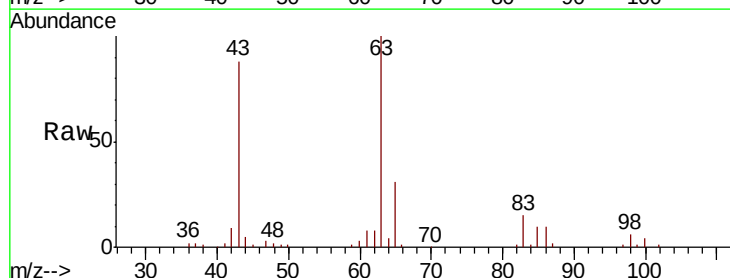
Instrument :
 MSVOA_N
 ClientSampled :

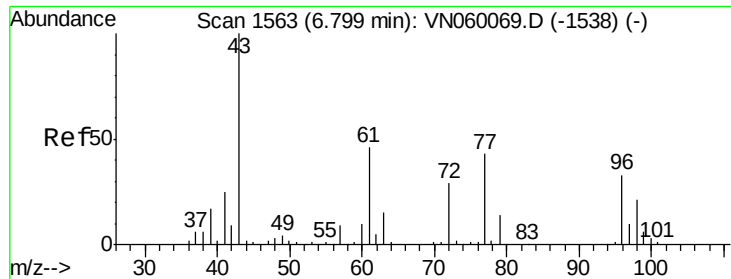
Tot Ion: 43 Resp: 1253324
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 50.798 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion: 63 Resp: 176601
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.5
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 274.775 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

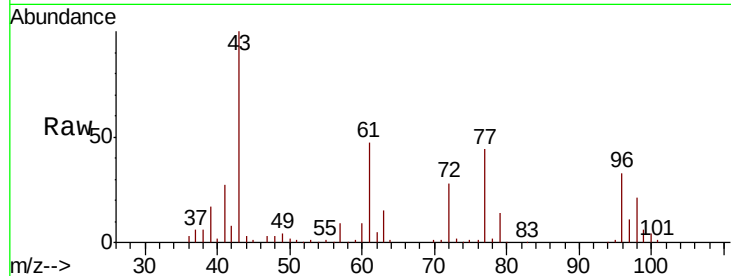
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 345155

Ion Ratio Lower Upper

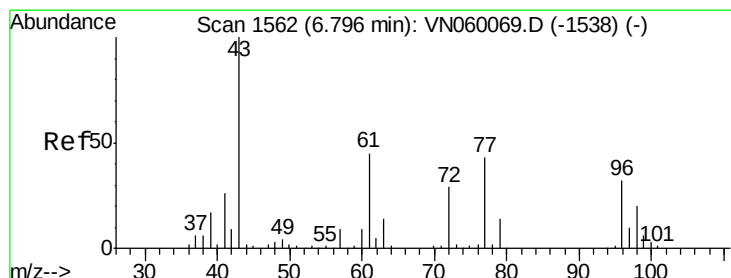
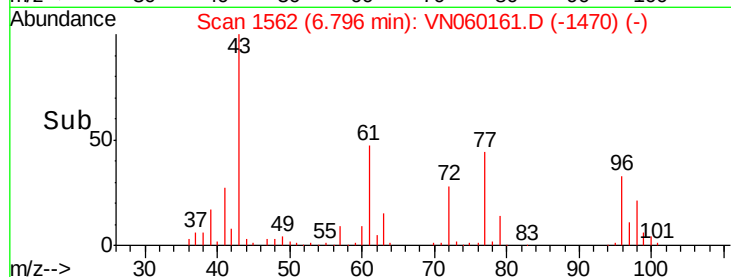
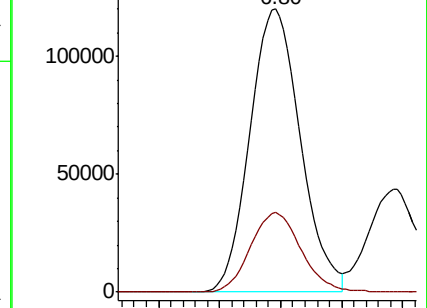
43 100

72 28.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 51.395 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060161.D

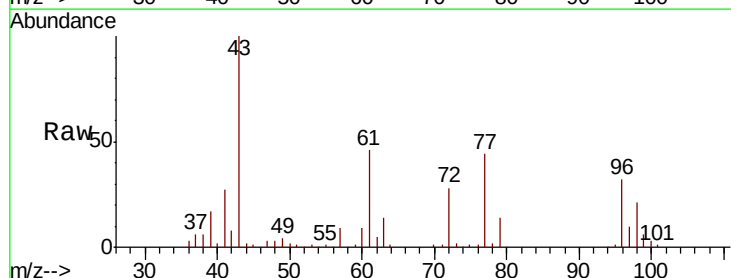
Acq: 20 Feb 2020 9:54

Tgt Ion: 77 Resp: 169709

Ion Ratio Lower Upper

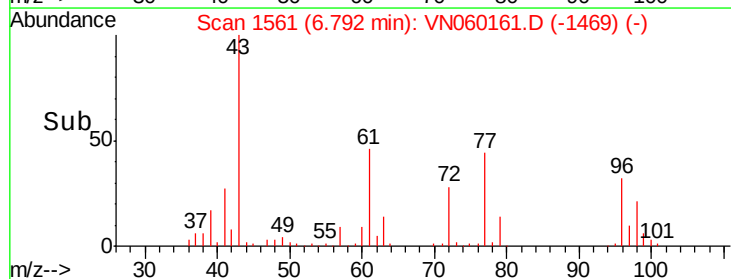
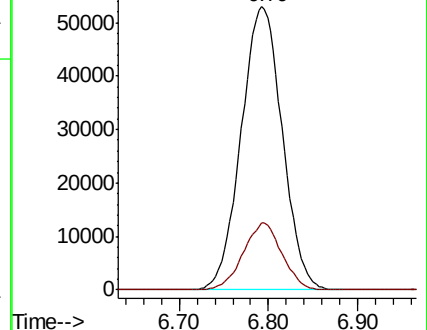
77 100

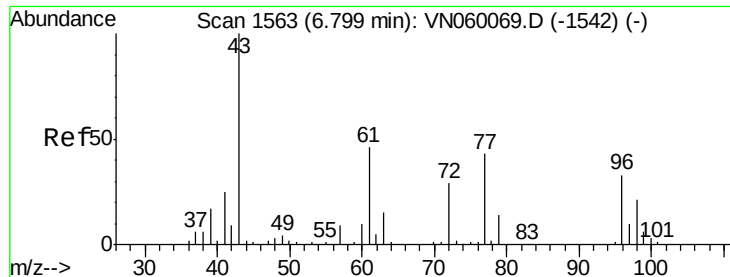
97 22.2 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.461 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

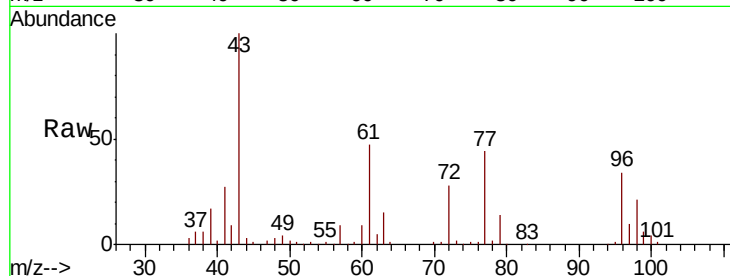
Tot Ion: 96 Resp: 114528

Ion Ratio Lower Upper

96 100

61 144.2 0.0 285.8

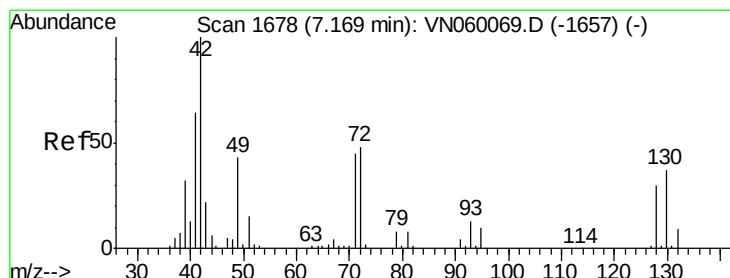
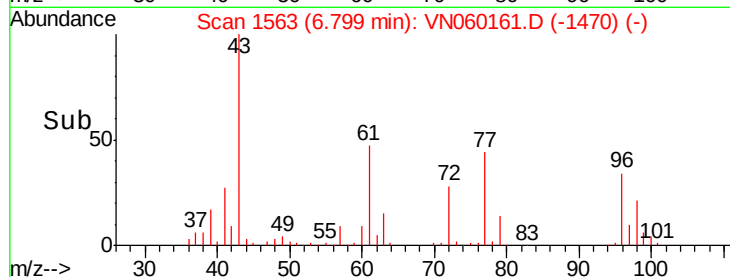
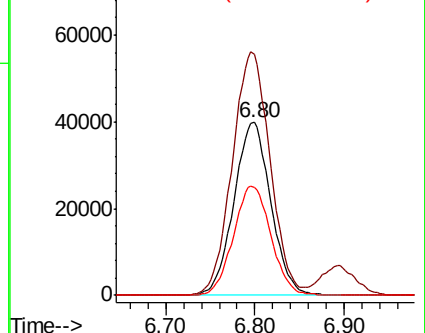
98 64.2 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN060161.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060161.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060161.D (-1470) (-)



#28

Bromochloromethane

Concen: 50.458 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

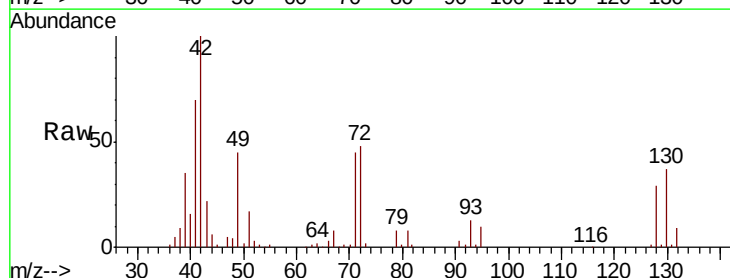
Tgt Ion: 49 Resp: 68964

Ion Ratio Lower Upper

49 100

129 2.3 0.0 2.2#

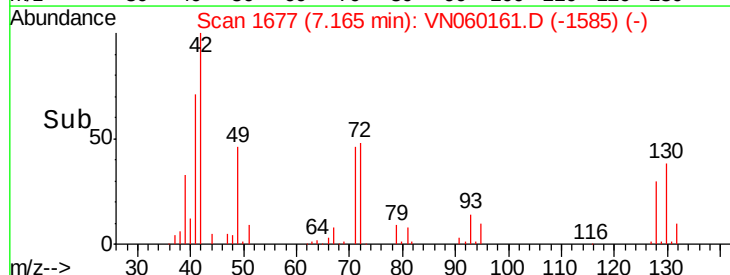
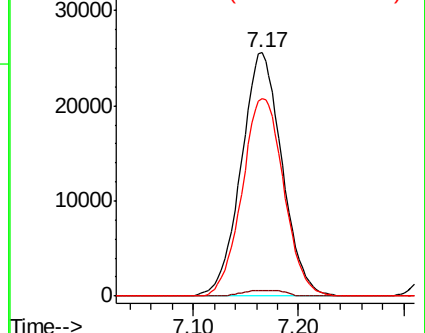
130 82.9 66.8 100.2

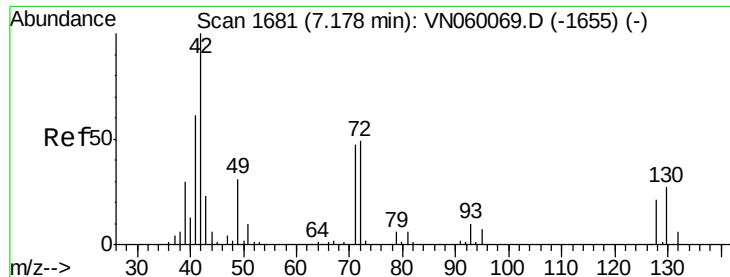


Abundance Ion 48.90 (48.60 to 49.60): VN060161.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060161.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060161.D (-1585) (-)

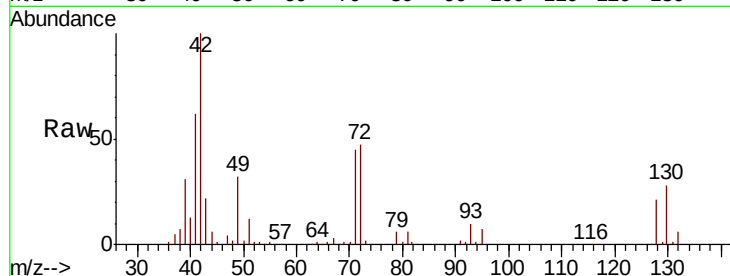




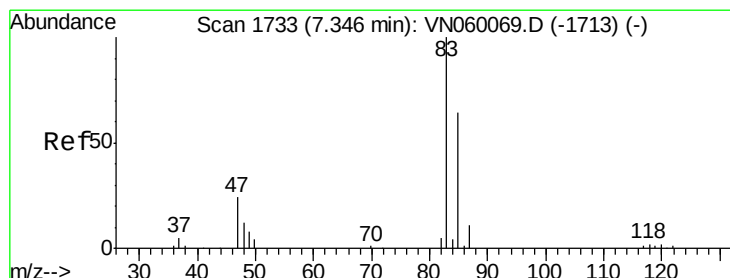
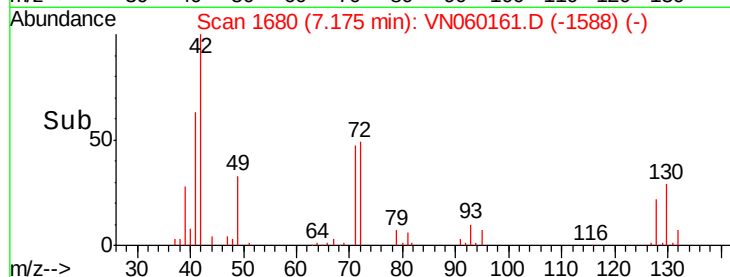
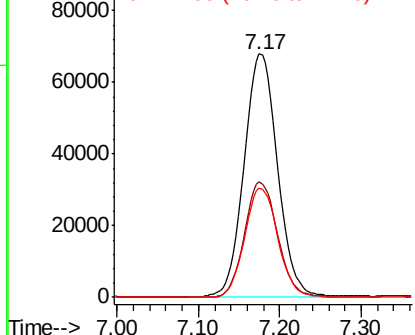
#29
Tetrahydrofuran
Concen: 250.634 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 193142
Ion Ratio Lower Upper
42 100
72 46.7 38.2 57.4
71 44.4 36.6 54.8

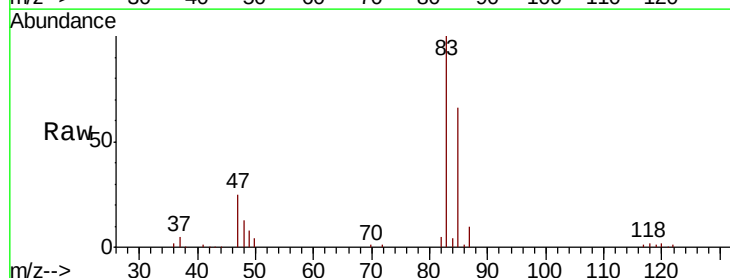


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

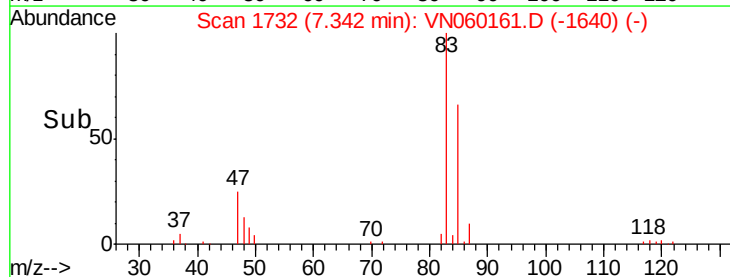
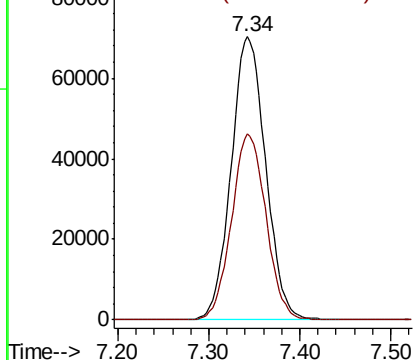


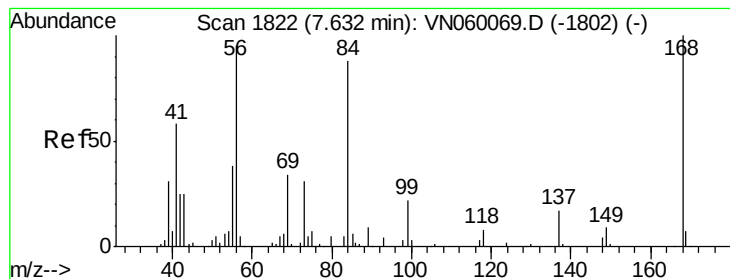
#30
Chloroform
Concen: 50.872 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 83 Resp: 185262
Ion Ratio Lower Upper
83 100
85 65.6 51.4 77.0



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





#31

Cyclohexane

Concen: 48.494 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampled :

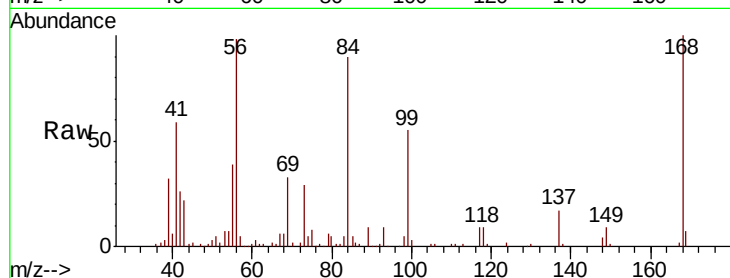
Tot Ion: 56 Resp: 157048

Ion Ratio Lower Upper

56 100

69 34.1 28.3 42.5

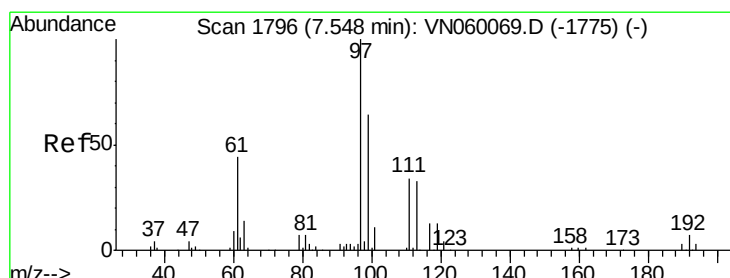
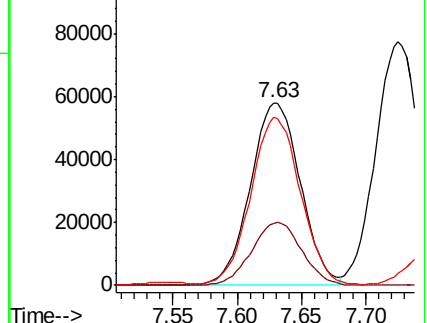
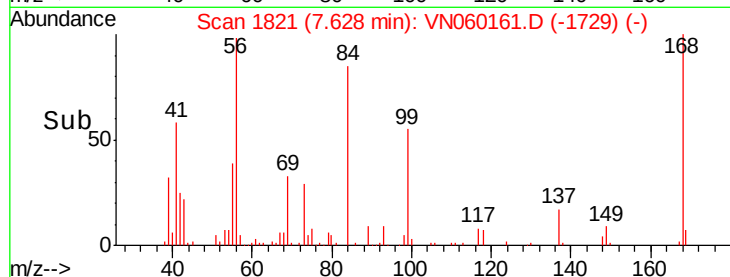
84 90.7 72.6 108.8



Abundance Ion 56.00 (55.70 to 56.70): VN060161.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060161.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060161.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 50.965 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

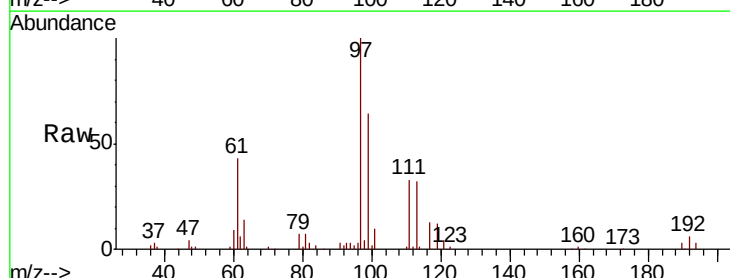
Tgt Ion: 97 Resp: 169607

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

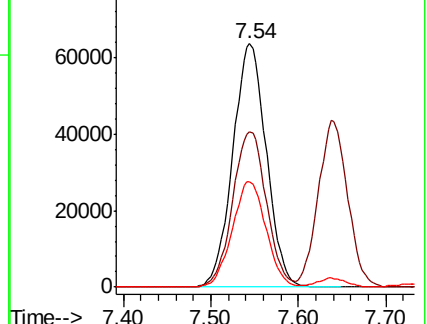
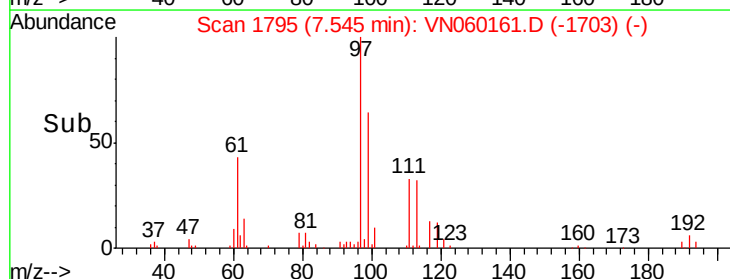
61 43.5 34.9 52.3

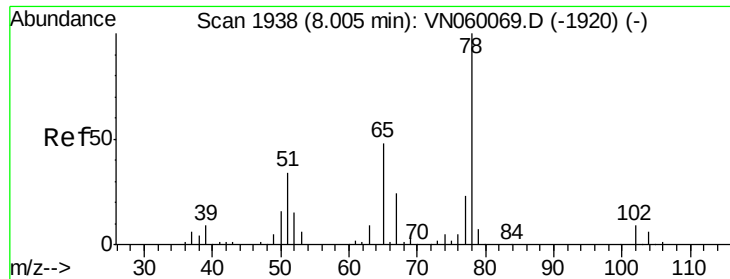


Abundance Ion 96.90 (96.60 to 97.60): VN060161.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060161.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060161.D (-1703) (-)

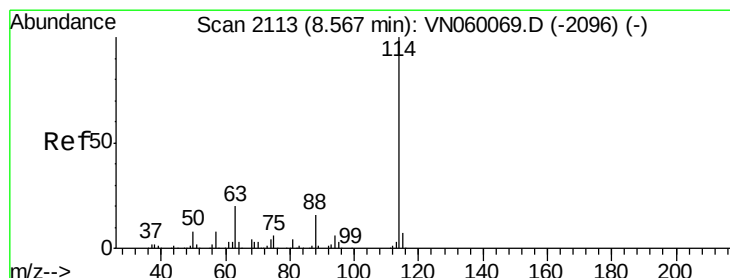
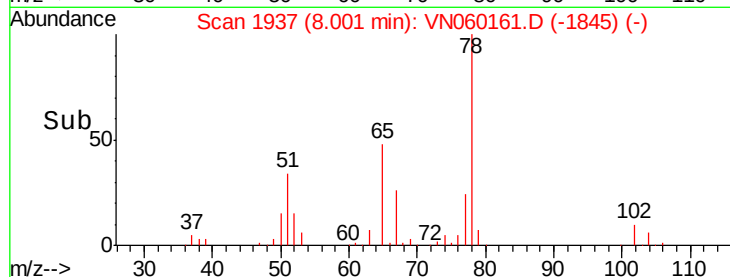
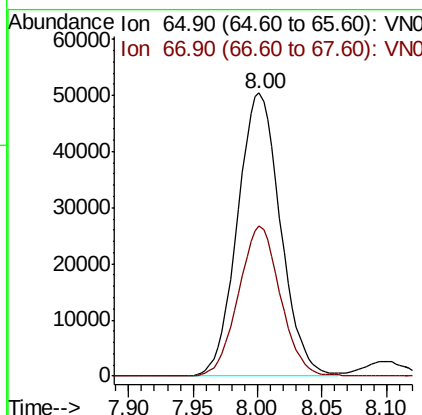
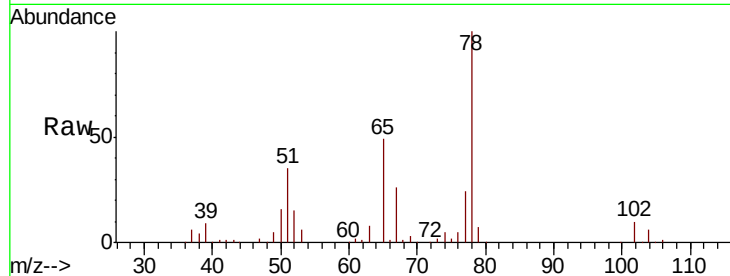




#33
 1,2-Dichloroethane-d4
 Concen: 51.111 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

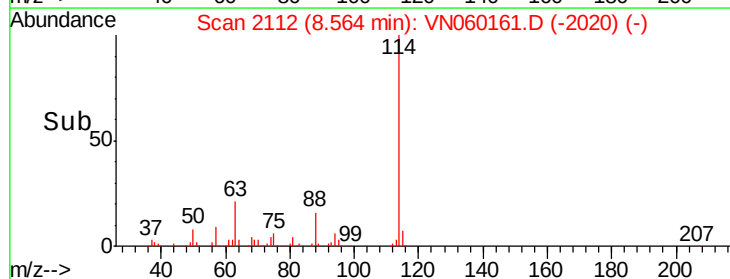
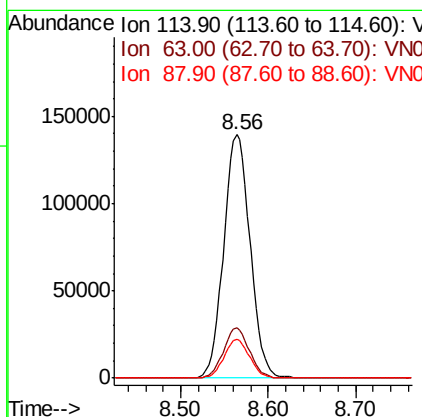
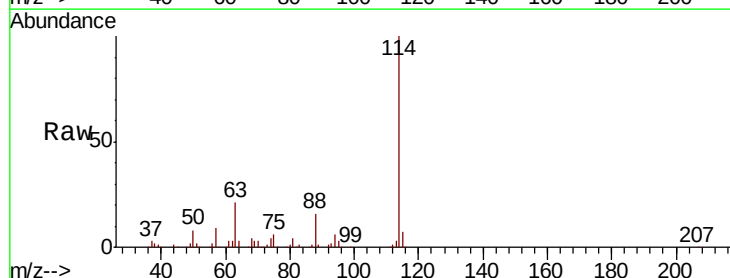
Instrument :
 MSVOA_N
 ClientSampled :

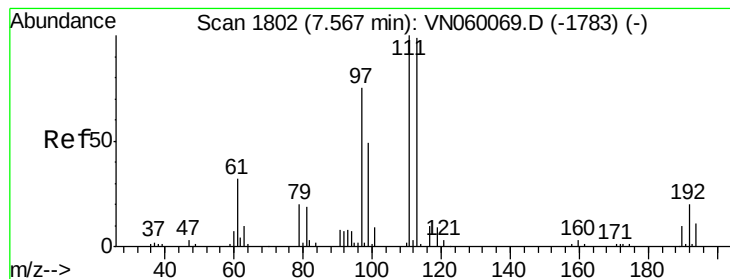
Tot Ion: 65 Resp: 117032
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion: 114 Resp: 292150
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.0
 88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.443 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

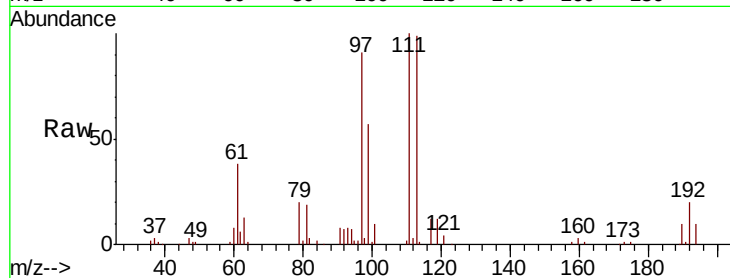
Tot Ion:113 Resp: 95975

Ion Ratio Lower Upper

113 100

111 100.6 81.4 122.2

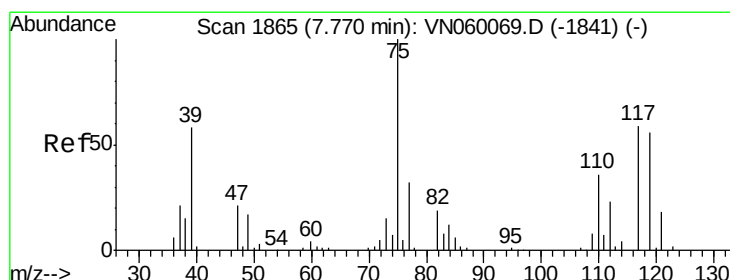
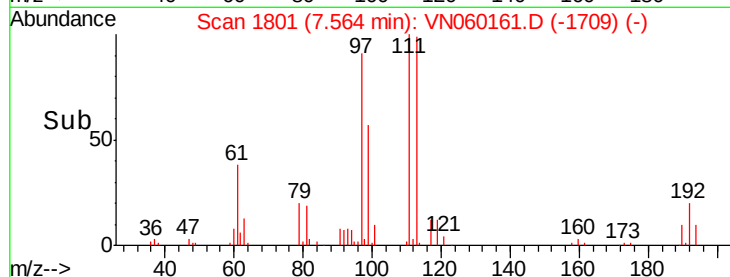
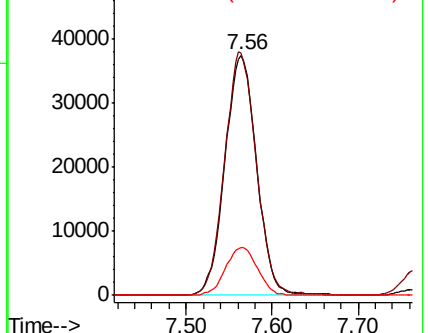
192 19.9 16.2 24.2



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: 51.427 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

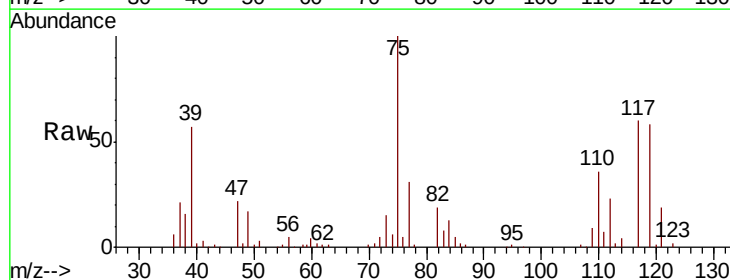
Tgt Ion: 75 Resp: 139163

Ion Ratio Lower Upper

75 100

110 36.1 18.1 54.3

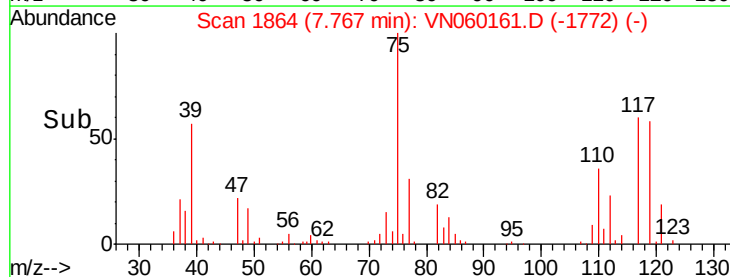
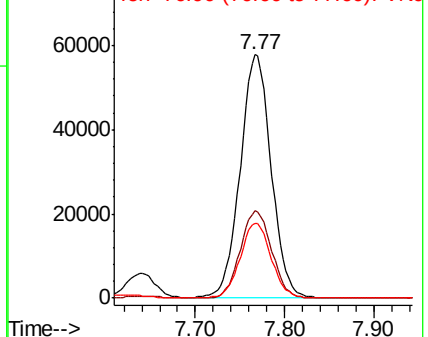
77 30.7 25.1 37.7

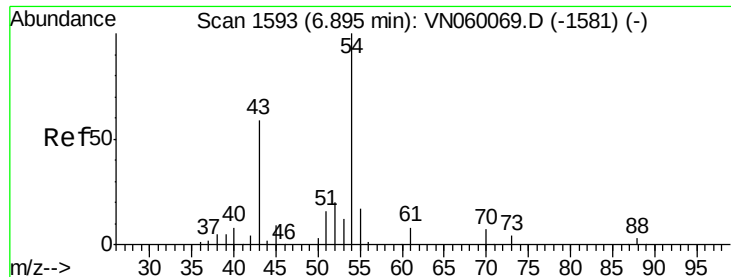


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

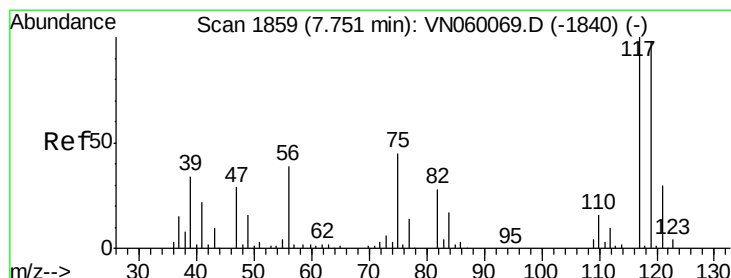
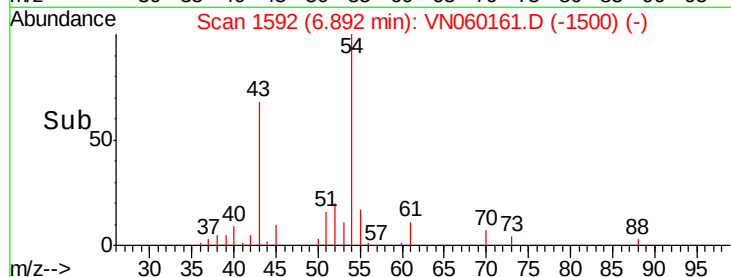
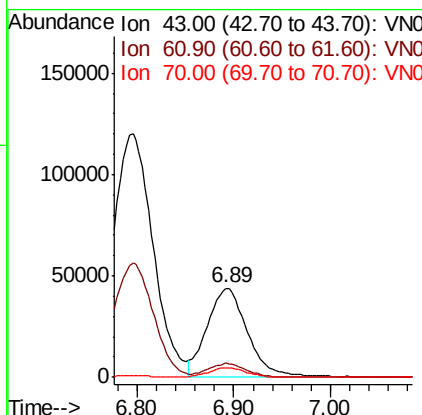
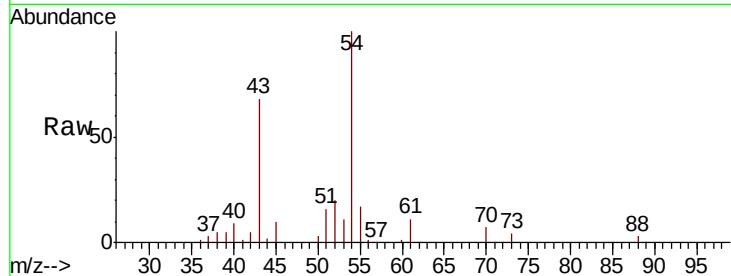




#37
Ethyl Acetate
Concen: 51.485 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

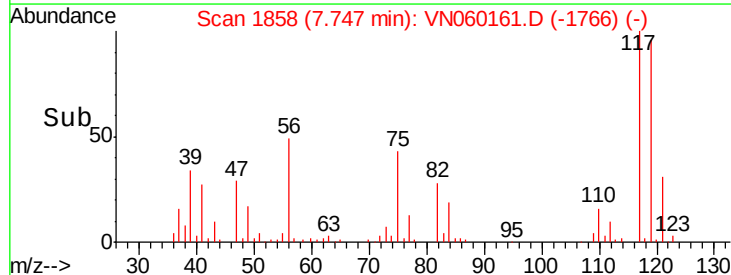
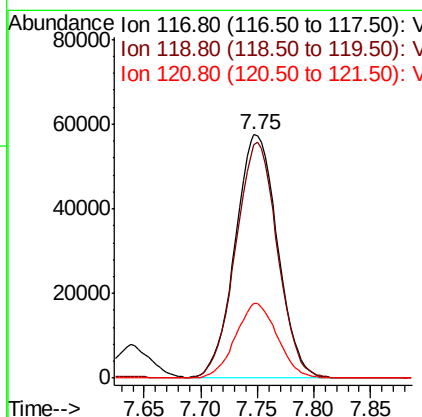
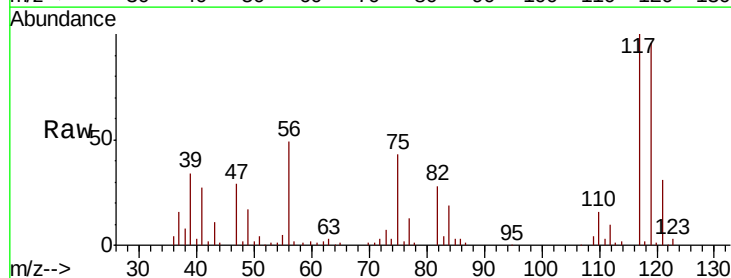
Instrument :
MSVOA_N
ClientSampled :

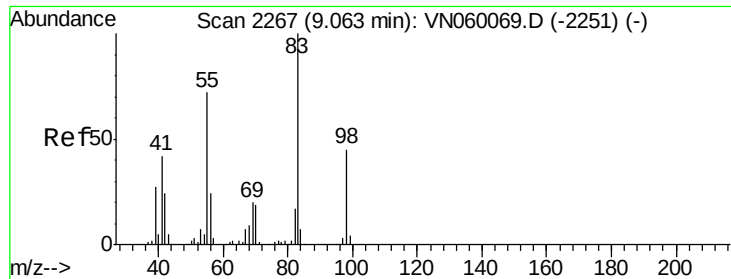
Tot Ion: 43 Resp: 125912
Ion Ratio Lower Upper
43 100
61 15.0 11.4 17.2
70 10.4 8.7 13.1



#38
Carbon Tetrachloride
Concen: 51.026 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 117 Resp: 149959
Ion Ratio Lower Upper
117 100
119 95.6 78.2 117.4
121 30.9 24.2 36.2

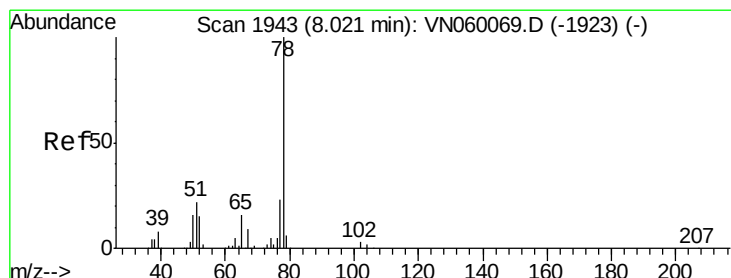
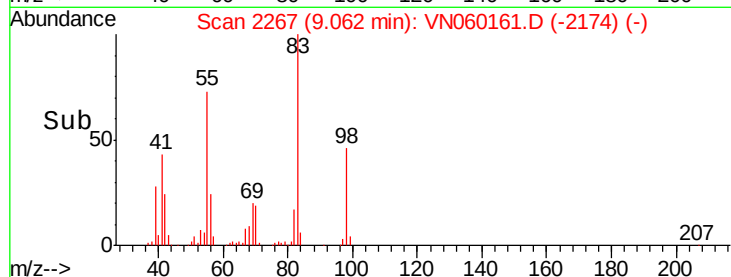
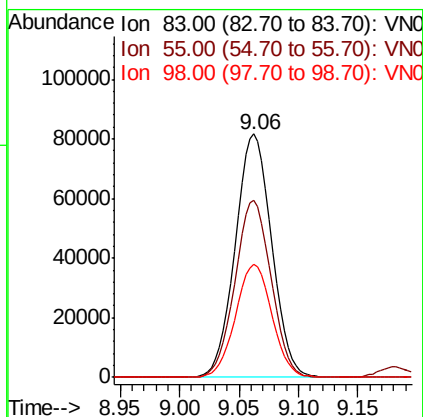
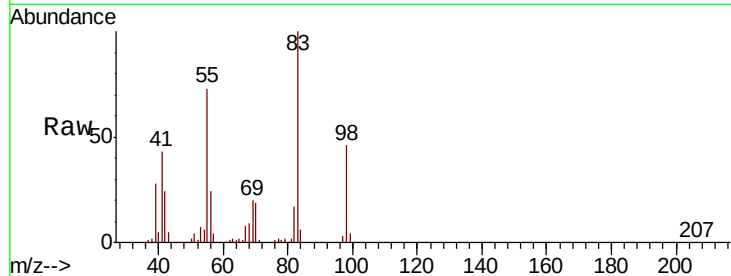




#39
Methylvlcyclohexane
Concen: 51.567 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

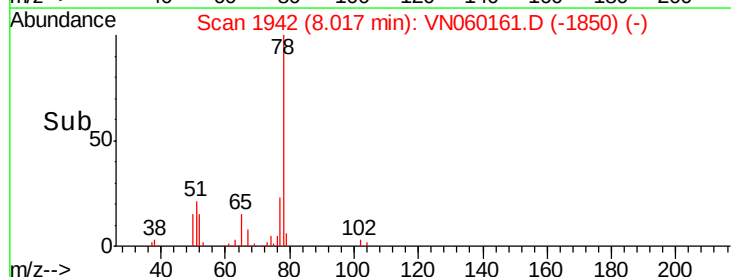
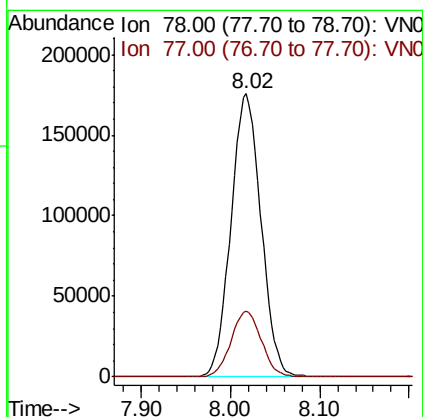
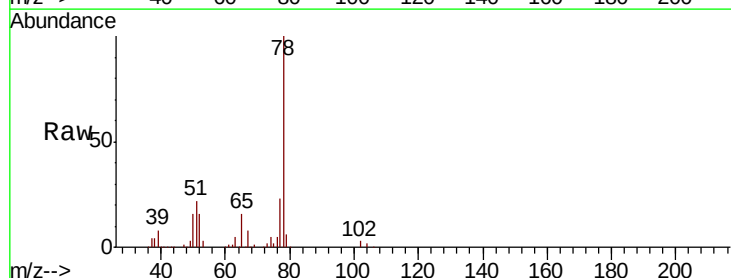
Instrument :
MSVOA_N
ClientSampled :

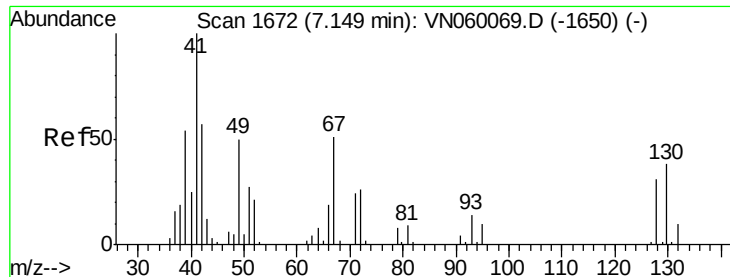
Tot Ion: 83 Resp: 173218
Ion Ratio Lower Upper
83 100
55 72.9 57.8 86.8
98 46.2 36.4 54.6



#40
Benzene
Concen: 51.158 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 78 Resp: 410649
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

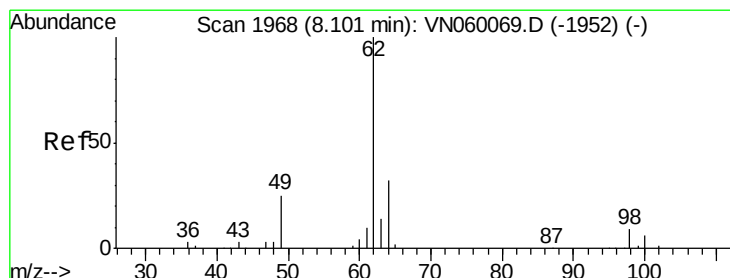
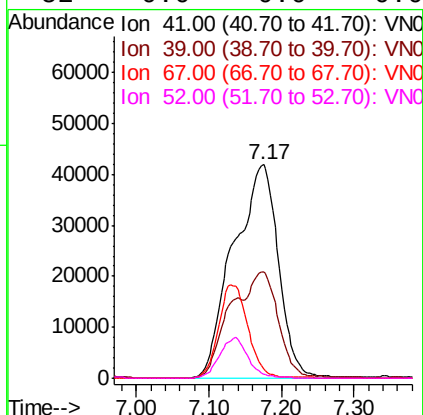
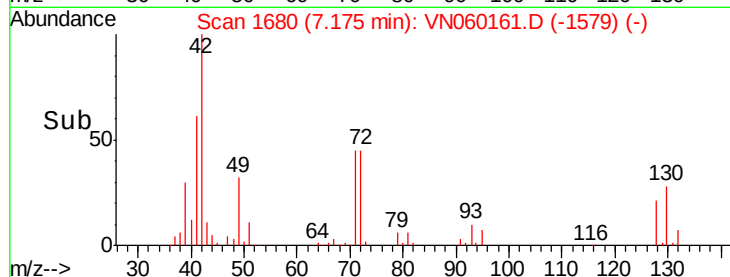
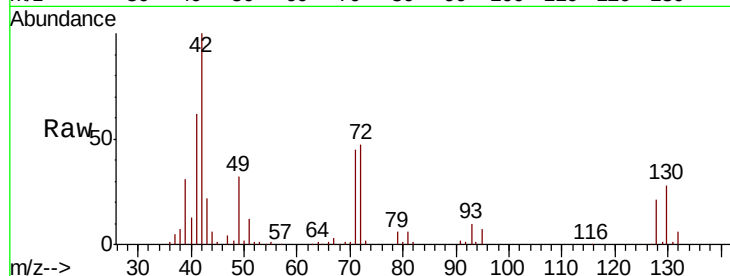




#41
Methacrylonitrile
Concen: 176.303 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

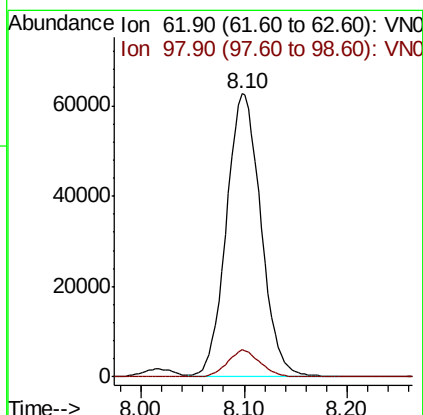
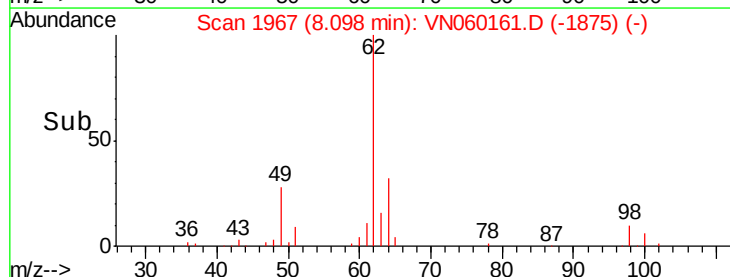
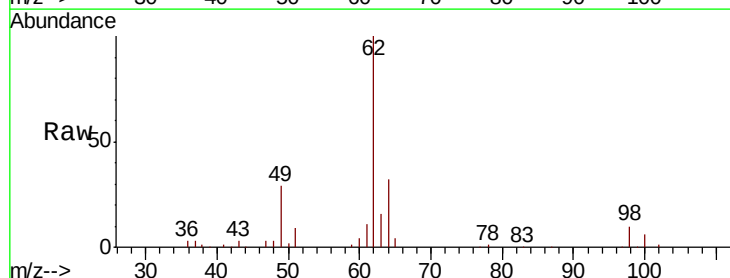
Instrument :
MSVOA_N
ClientSampled :

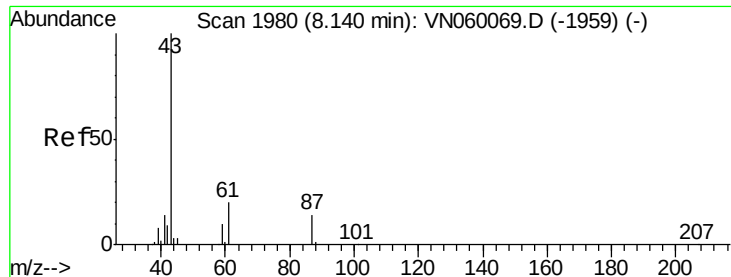
Tot Ion:	41	Resp:	180820
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 51.924 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion:	62	Resp:	146081
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43

Isopropyl Acetate

Concen: 52.244 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

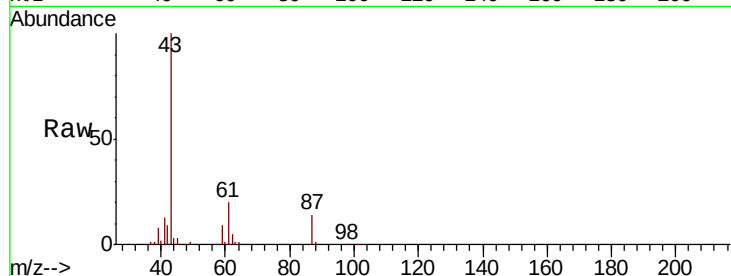
Tot Ion: 43 Resp: 218409

Ion Ratio Lower Upper

43 100

61 26.8 21.8 32.6

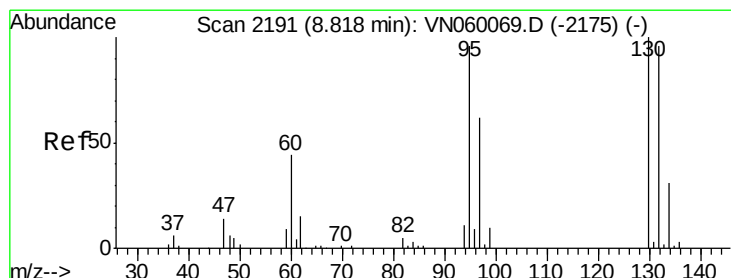
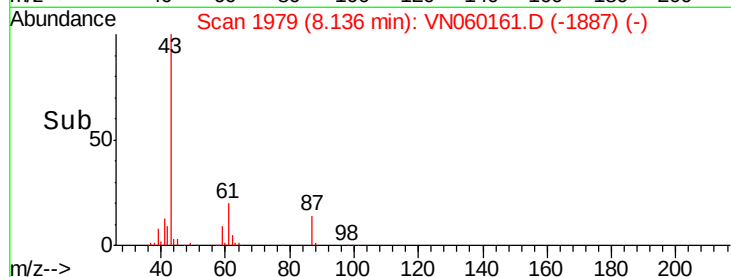
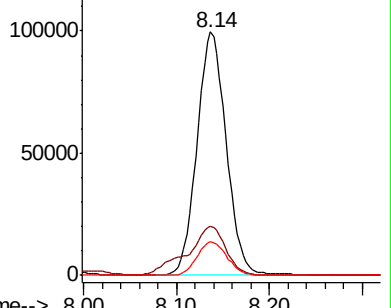
87 14.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#44

Trichloroethene

Concen: 50.693 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060161.D

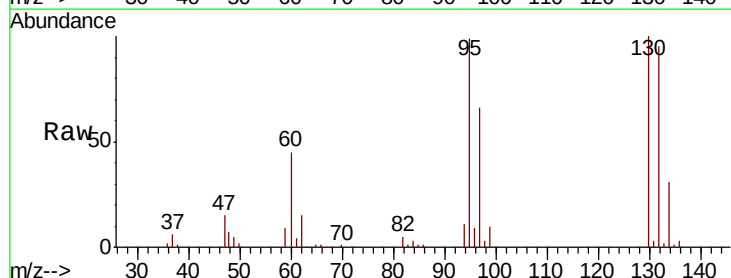
Acq: 20 Feb 2020 9:54

Tgt Ion:130 Resp: 112672

Ion Ratio Lower Upper

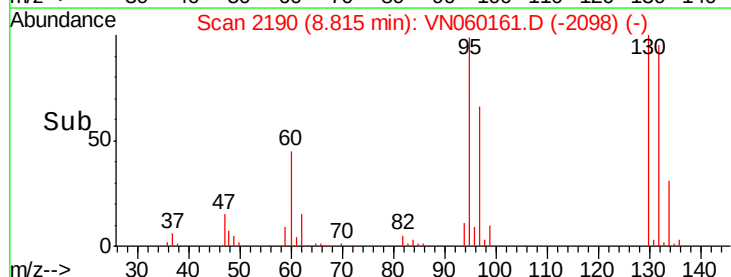
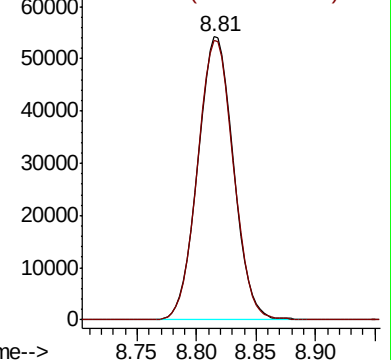
130 100

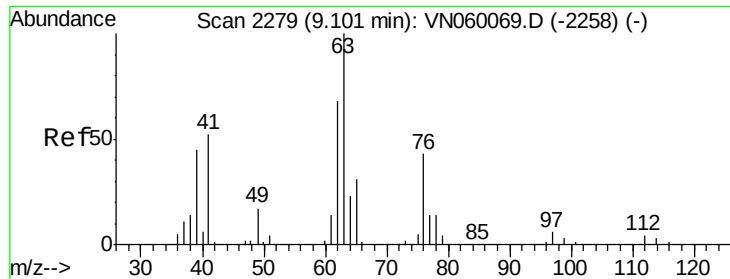
95 98.6 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060069.D (-2175) (-)

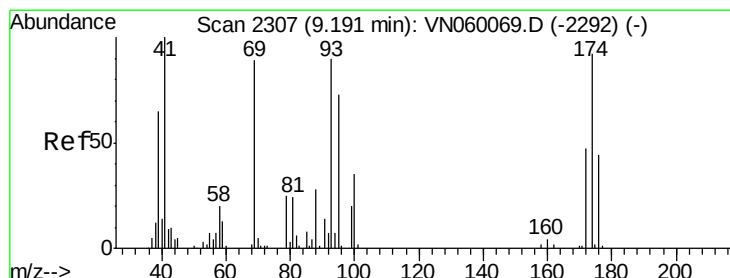
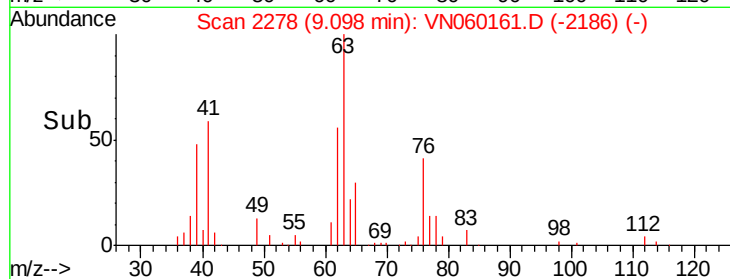
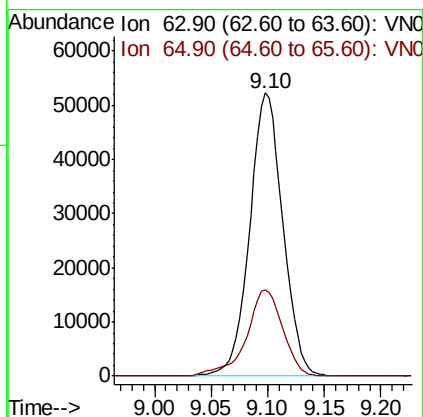
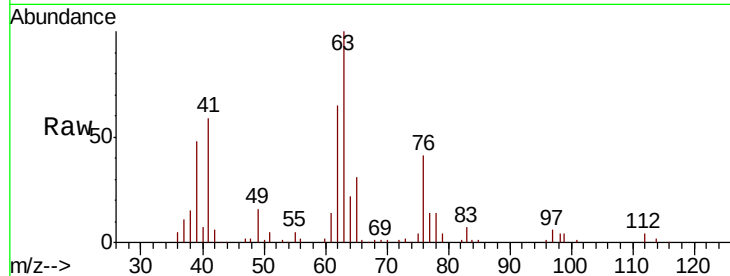




#45
 1,2-Dichloropropane
 Concen: 53.444 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

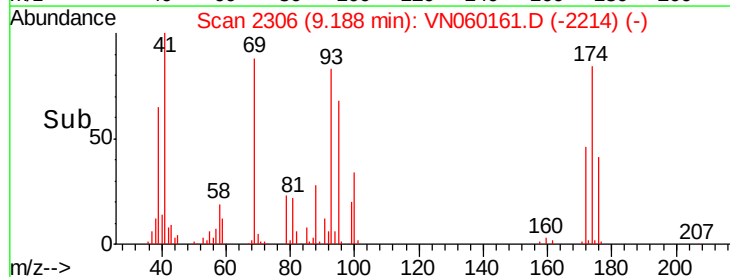
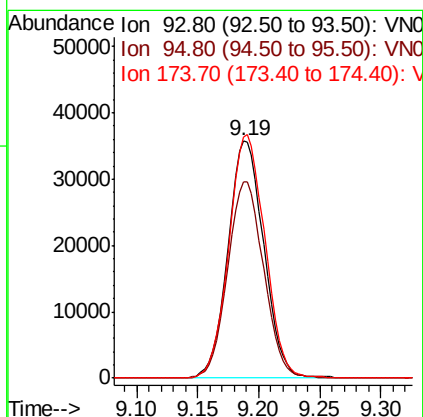
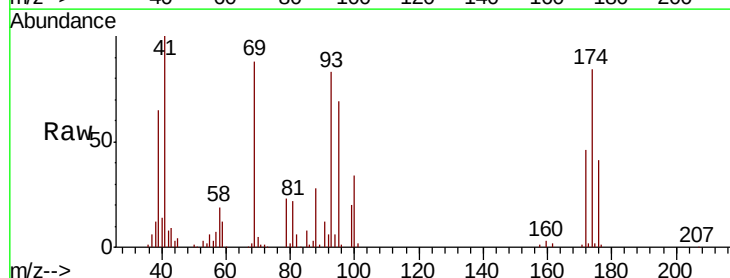
Instrument :
 MSVOA_N
 ClientSampled :

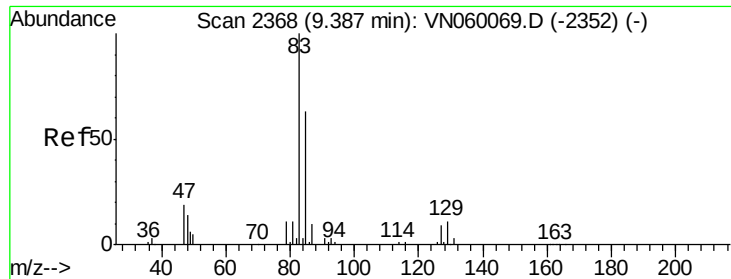
Tot Ion: 63 Resp: 106208
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4



#46
 Dibromomethane
 Concen: 52.049 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion: 93 Resp: 73096
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.0 97.6
 174 103.1 82.3 123.5

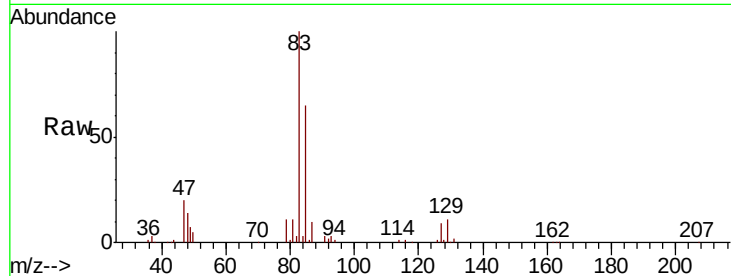




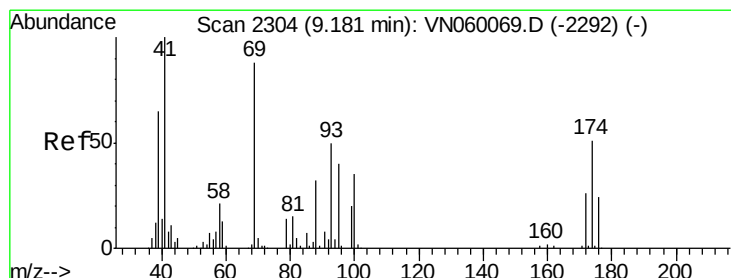
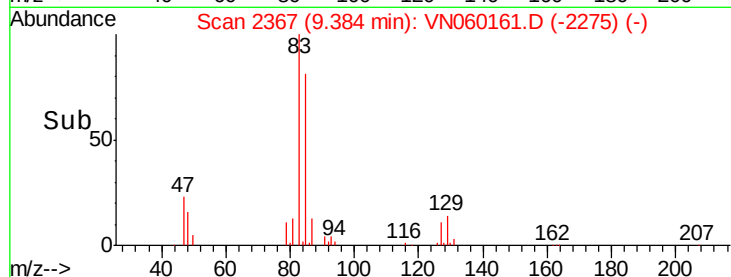
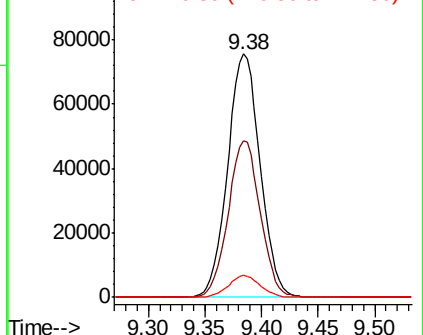
#47
 Bromodichloromethane
 Concen: 52.935 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 83 Resp: 151140
 Ion Ratio Lower Upper
 83 100
 85 64.6 50.6 75.8
 127 8.9 7.0 10.6

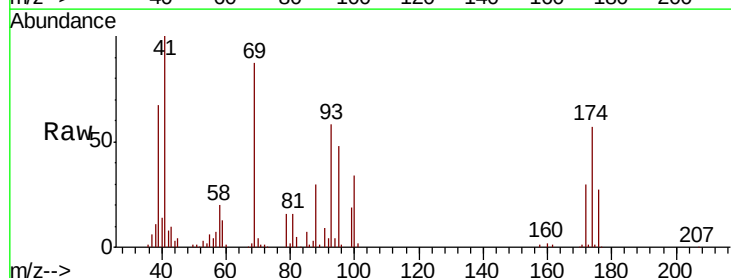


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

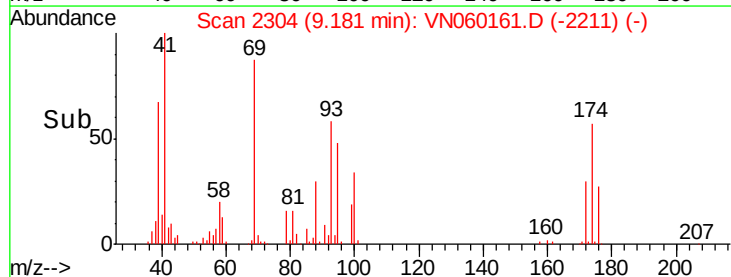
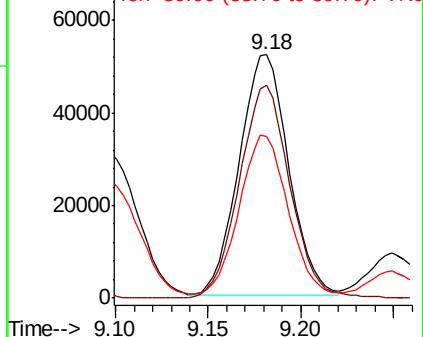


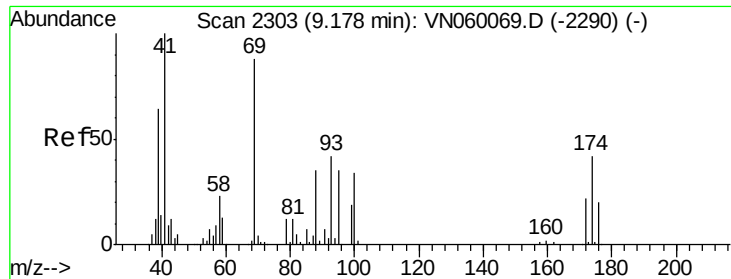
#48
 Methyl methacrylate
 Concen: 51.615 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion: 41 Resp: 96814
 Ion Ratio Lower Upper
 41 100
 69 90.5 72.0 108.0
 39 68.2 54.1 81.1



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

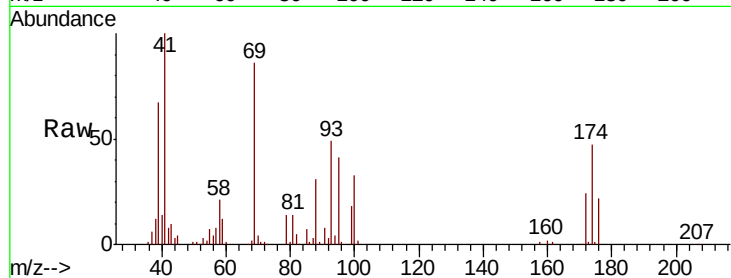




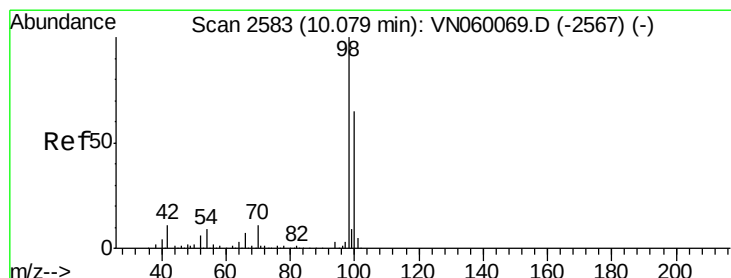
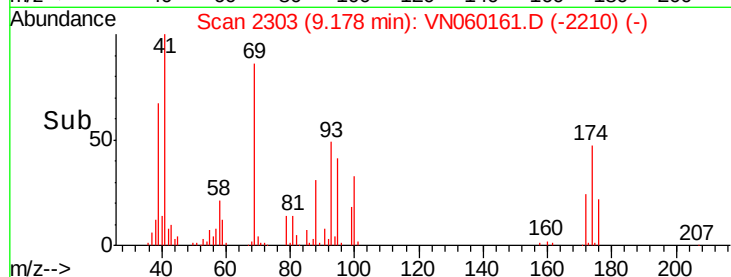
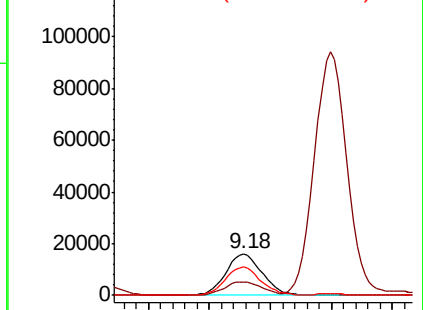
#49
1,4-Dioxane
Concen: 1049.274 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 33627
Ion Ratio Lower Upper
88 100
43 32.9 26.2 39.2
58 66.4 53.2 79.8

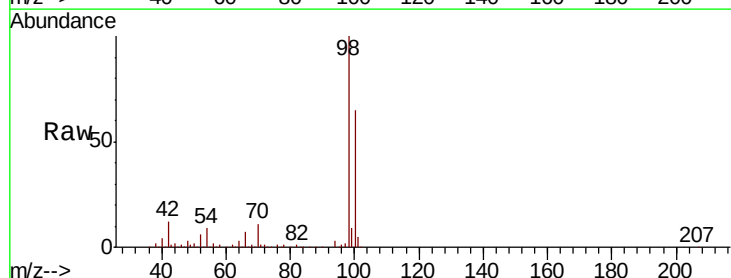


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

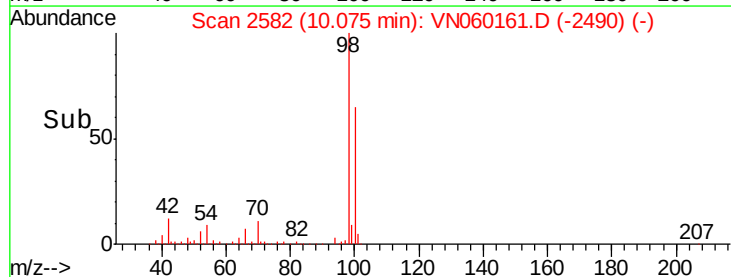
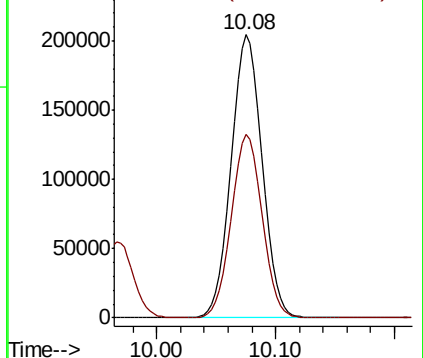


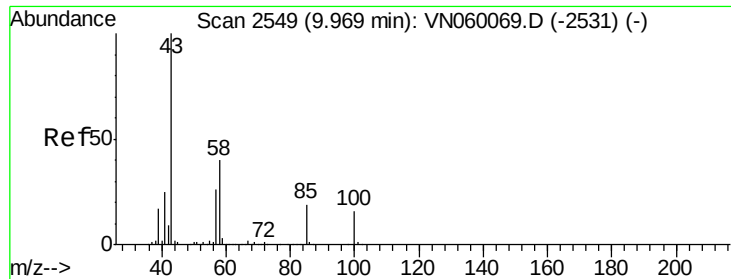
#50
Toluene-d8
Concen: 52.190 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion: 98 Resp: 369085
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



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

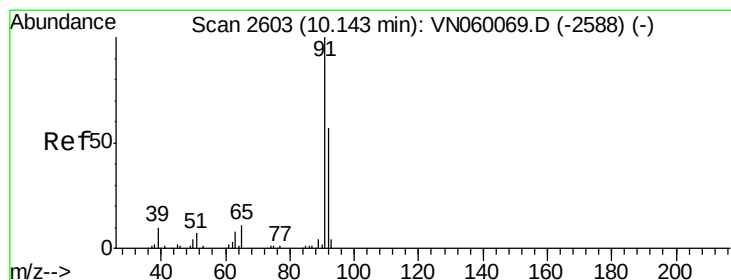
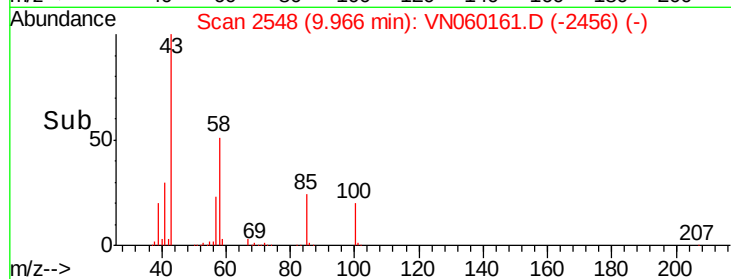
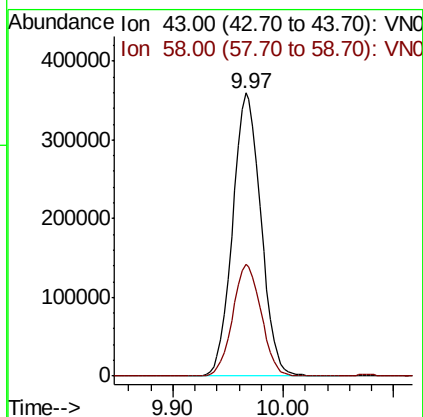
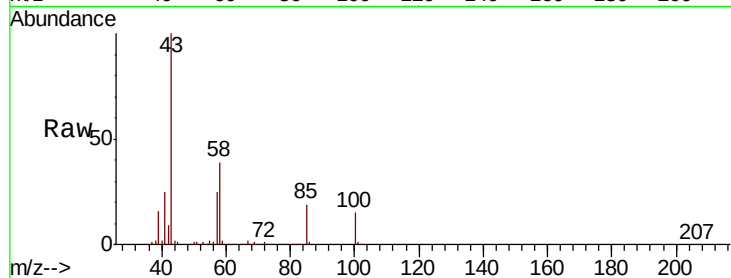




#51
 4-Methyl-2-Pentanone
 Concen: 264.312 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

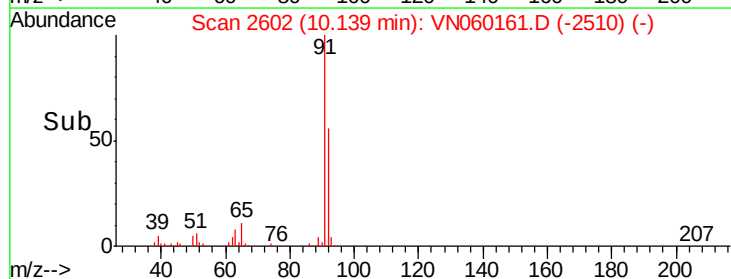
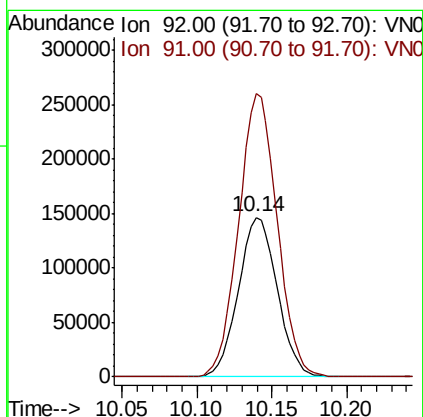
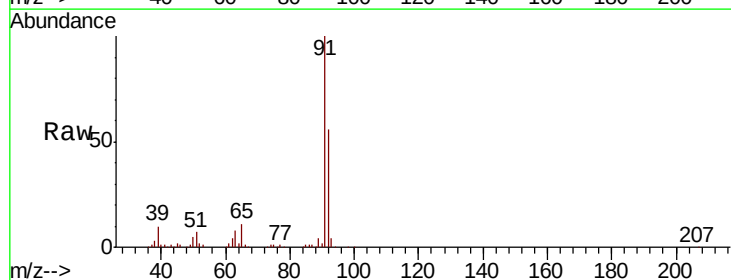
Instrument :
 MSVOA_N
 ClientSampled :

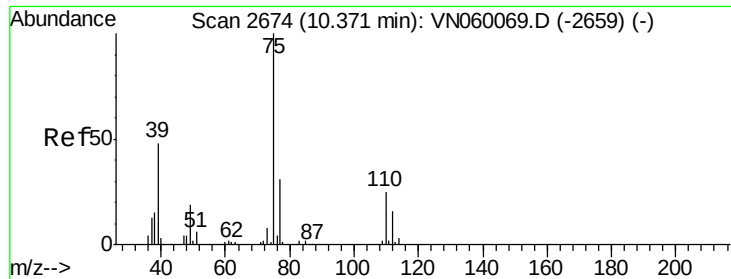
Tot Ion: 43 Resp: 639579
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.8



#52
 Toluene
 Concen: 51.495 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion: 92 Resp: 265069
 Ion Ratio Lower Upper
 92 100
 91 176.3 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 53.863 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

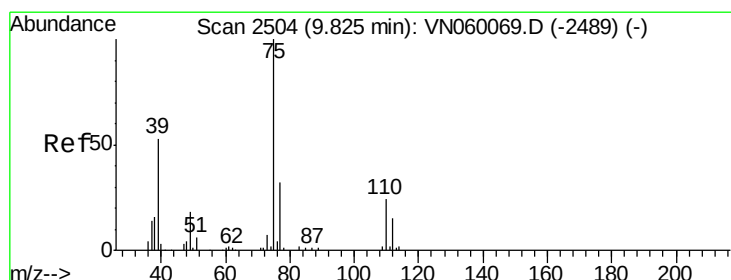
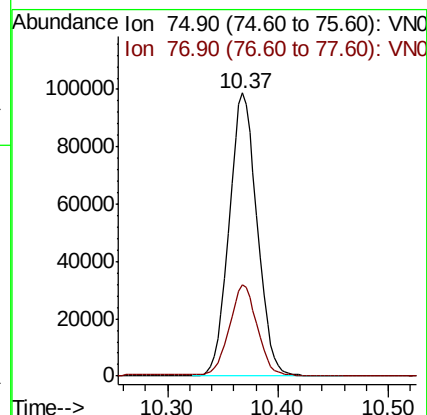
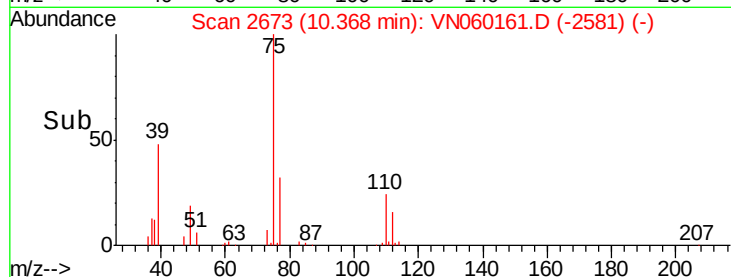
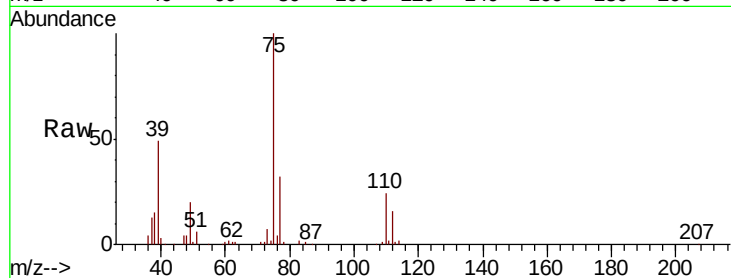
ClientSampled :

Tot Ion: 75 Resp: 173590

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 52.609 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

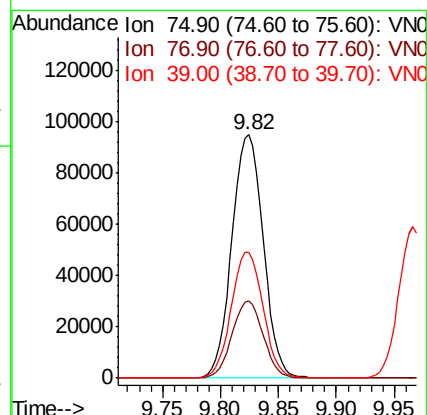
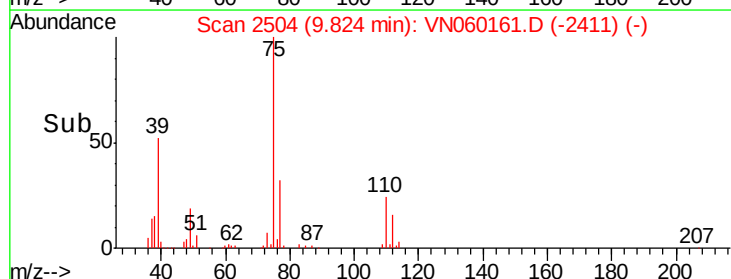
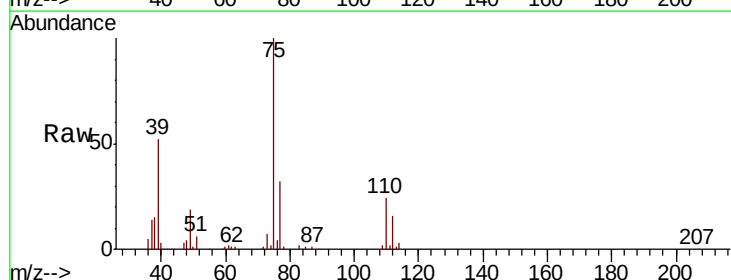
Tgt Ion: 75 Resp: 178538

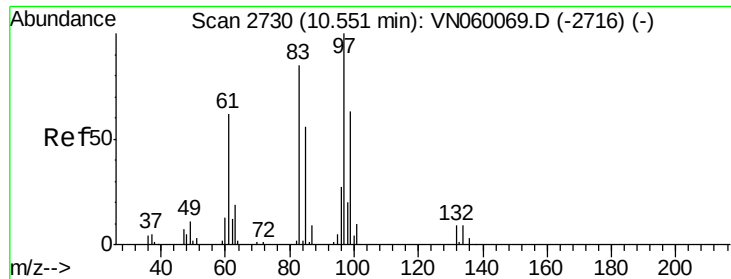
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 51.6 42.2 63.4

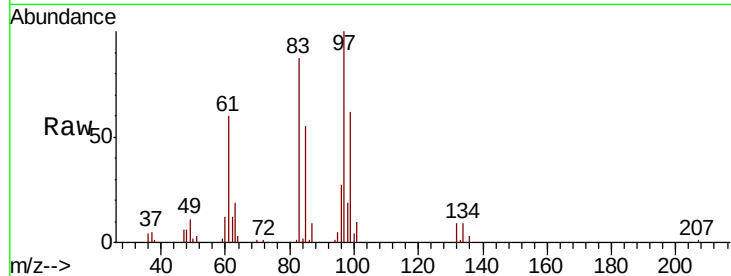




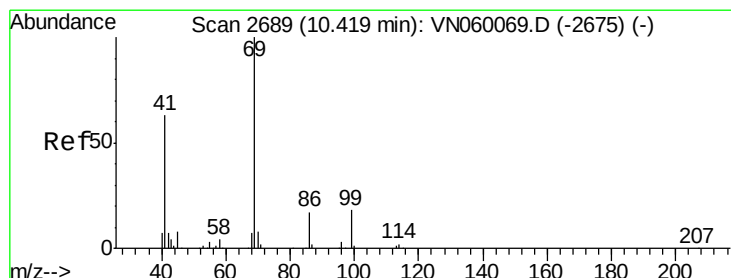
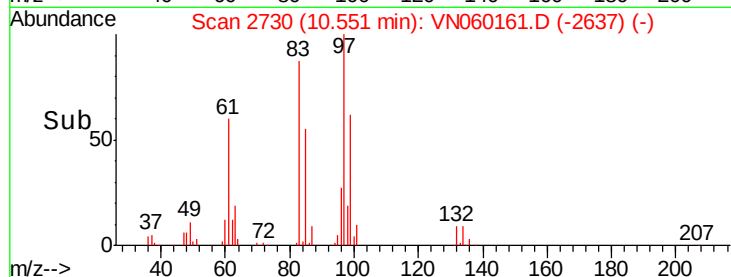
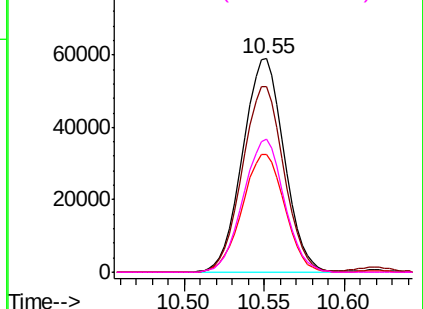
#55
 1,1,2-Trichloroethane
 Concen: 52.090 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	104605
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.9	101.9
85	55.2	44.6	67.0
99	62.3	50.1	75.1

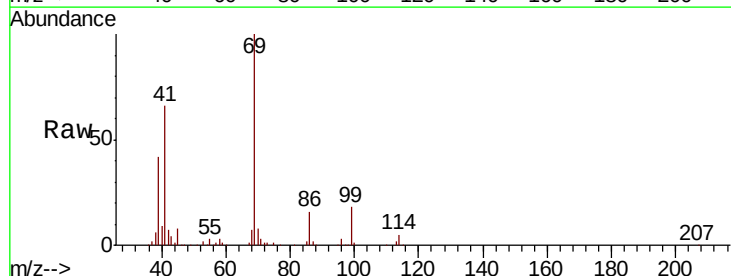


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

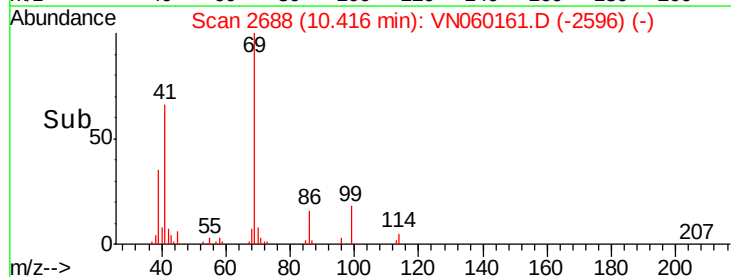
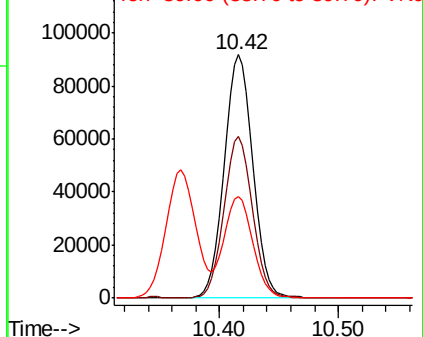


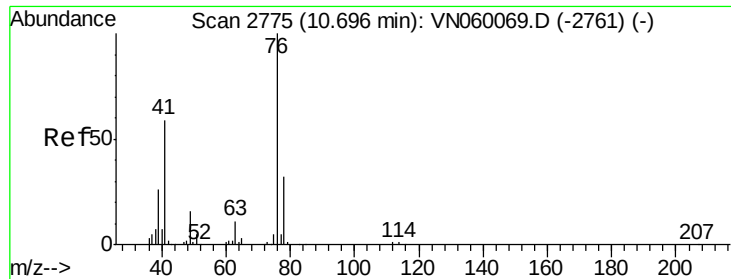
#56
 Ethyl methacrylate
 Concen: 53.944 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion:	69	Resp:	153242
Ion	Ratio	Lower	Upper
69	100		
41	65.7	51.1	76.7
39	42.1	33.8	50.8



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

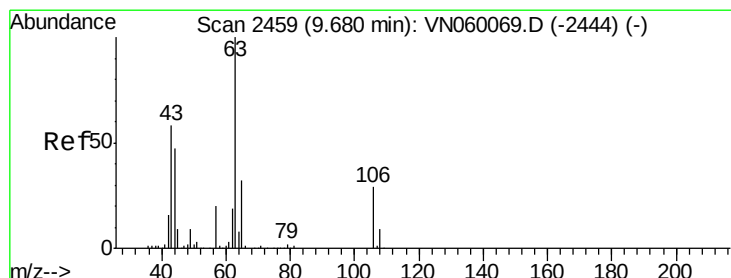
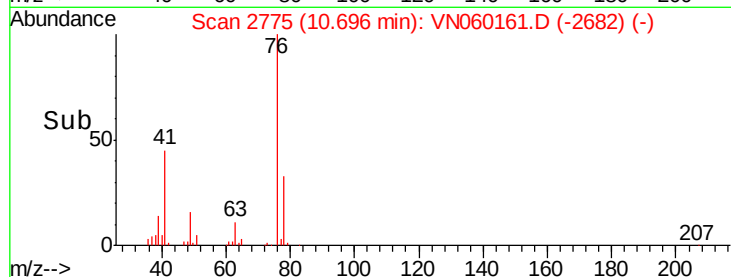
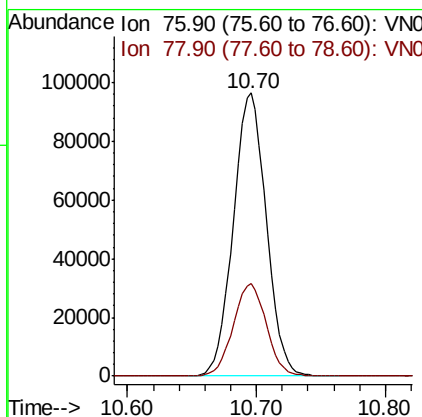
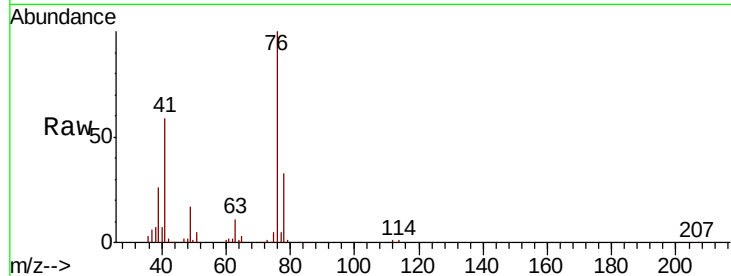




#57
 1,3-Dichloropropane
 Concen: 51.644 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

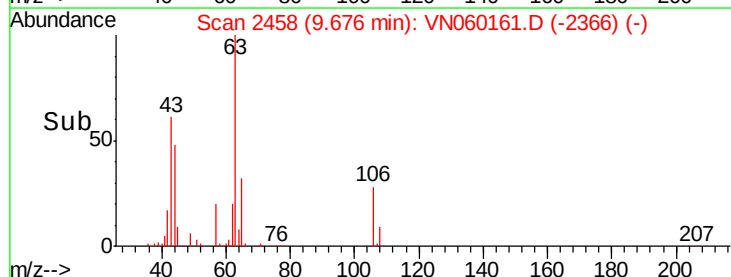
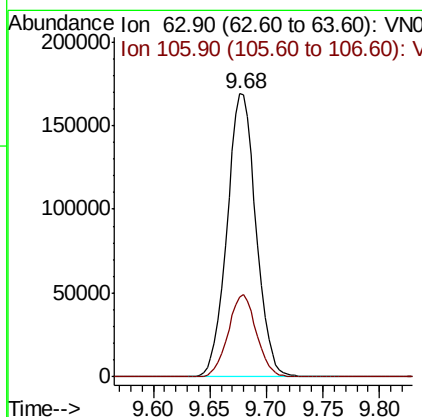
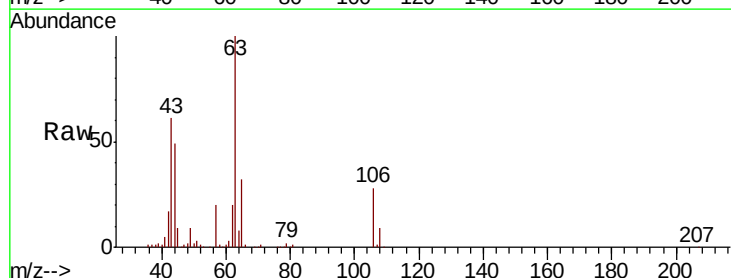
Instrument :
 MSVOA_N
 ClientSampled :

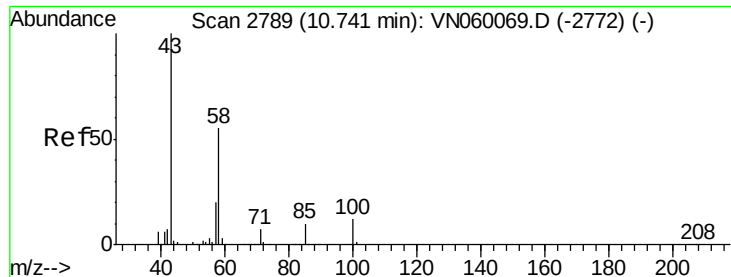
Tot Ion: 76 Resp: 171128
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.159 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion: 63 Resp: 300631
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.9 34.3





#59

2-Hexanone

Concen: 278.432 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

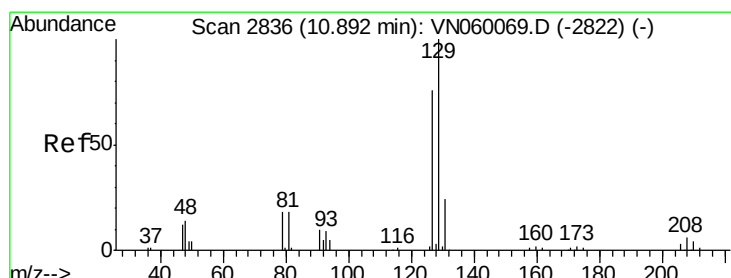
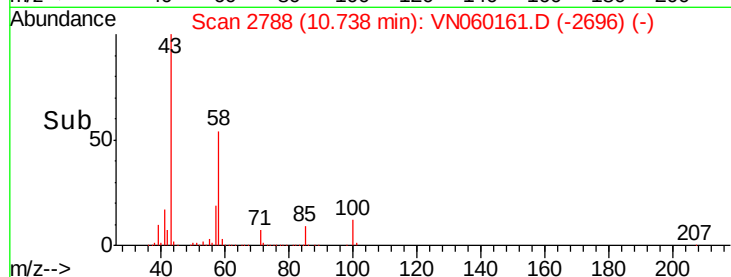
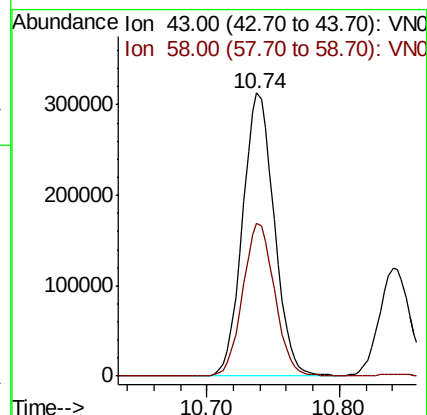
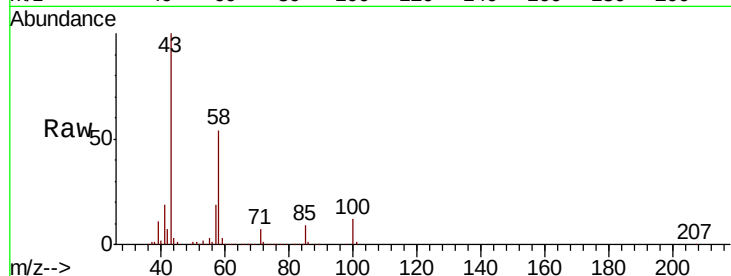
ClientSampleId :

Tot Ion: 43 Resp: 520452

Ion Ratio Lower Upper

43 100

58 54.2 27.5 82.4



#60

Dibromochloromethane

Concen: 52.623 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN060161.D

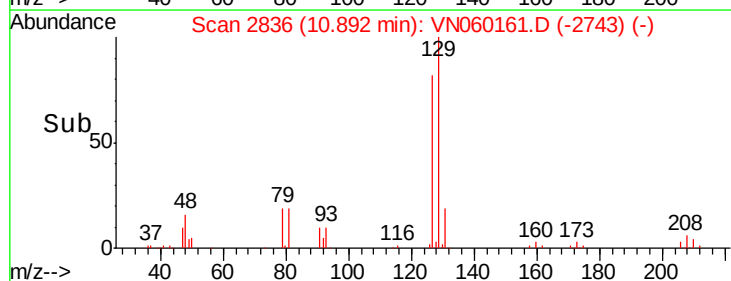
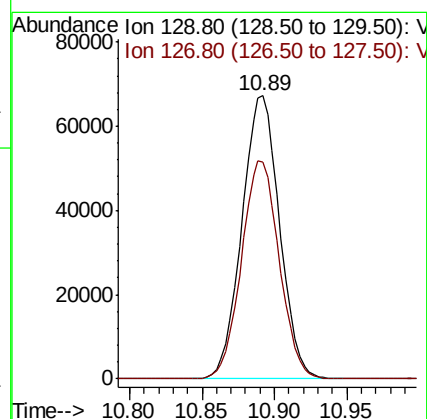
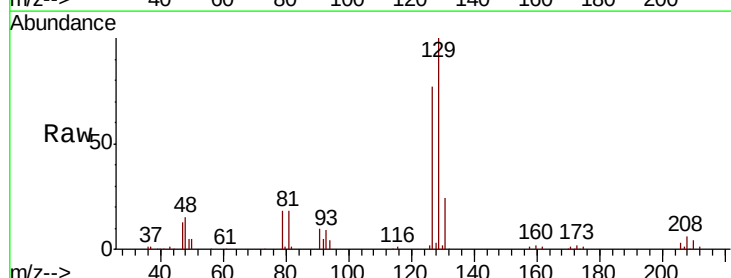
Acq: 20 Feb 2020 9:54

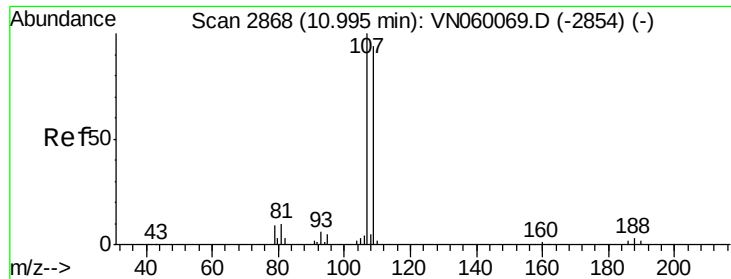
Tgt Ion: 129 Resp: 121268

Ion Ratio Lower Upper

129 100

127 77.3 38.0 114.1

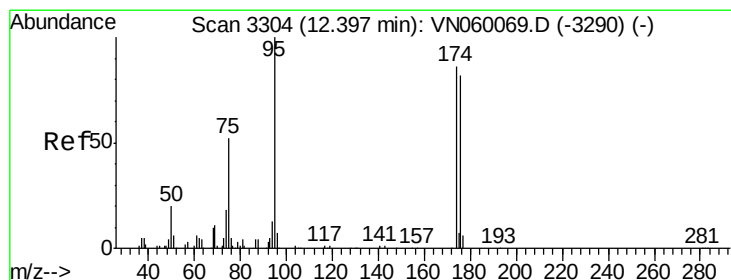
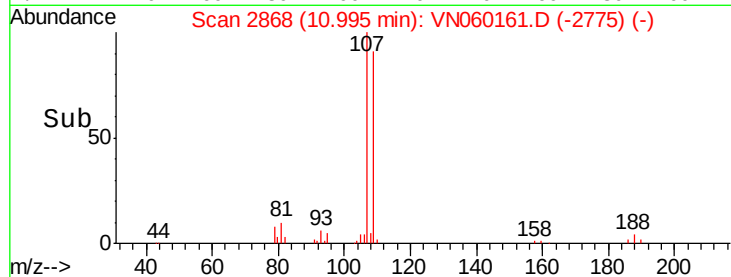
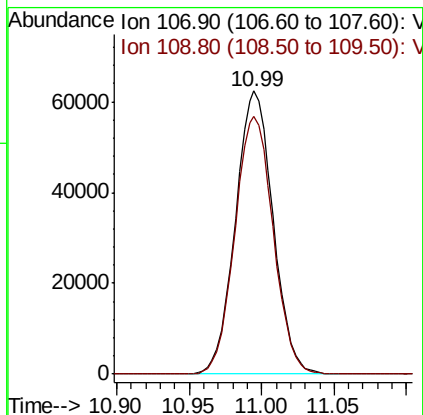
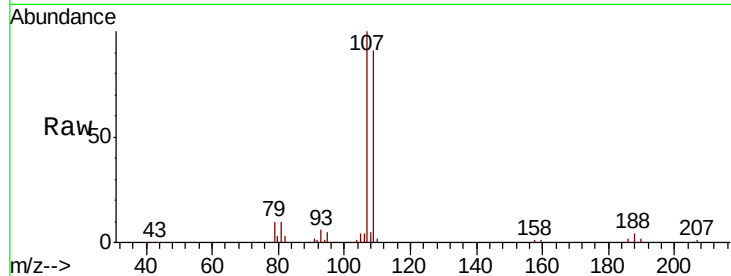




#61
 1,2-Dibromoethane
 Concen: 53.264 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

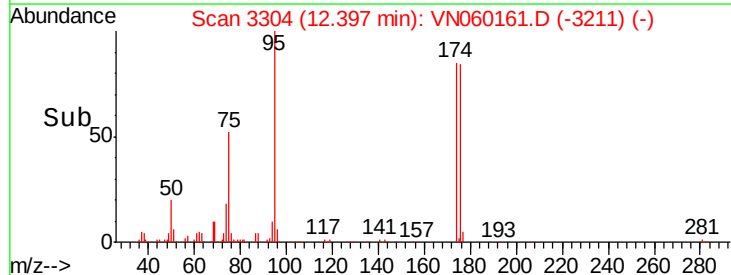
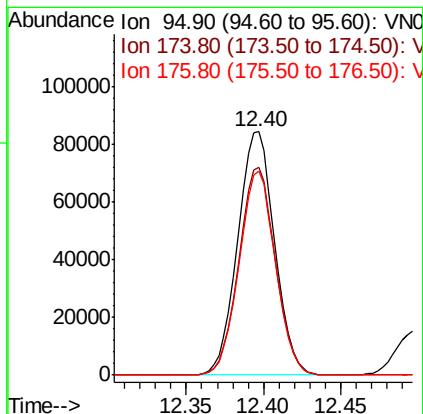
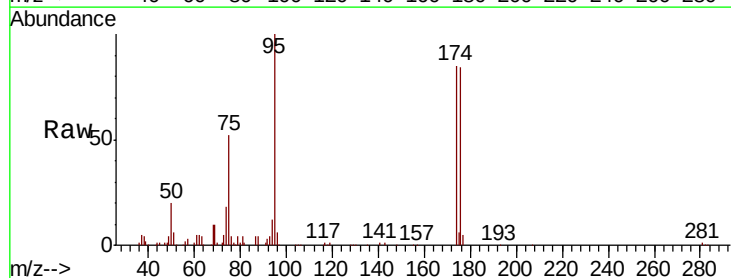
Instrument :
 MSVOA_N
 ClientSampleId :

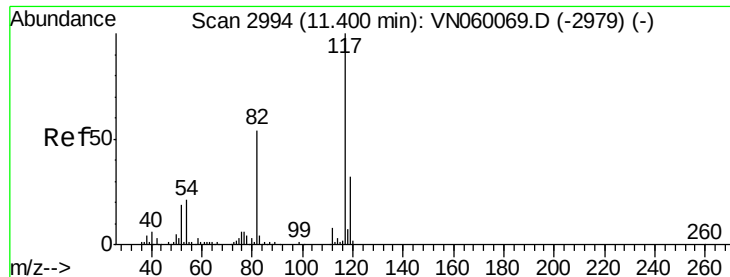
Tot Ion:107 Resp: 112127
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.797 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion: 95 Resp: 139799
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 169.8
 176 82.4 0.0 164.8

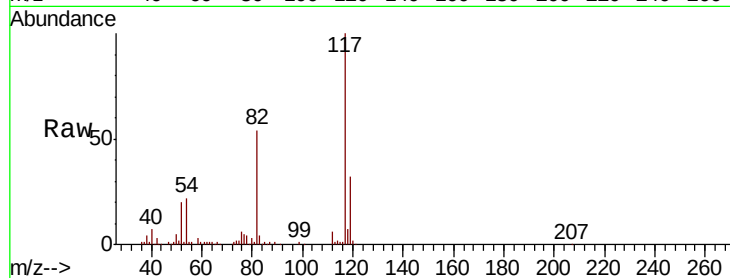




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.0
119	32.3	25.8	38.6

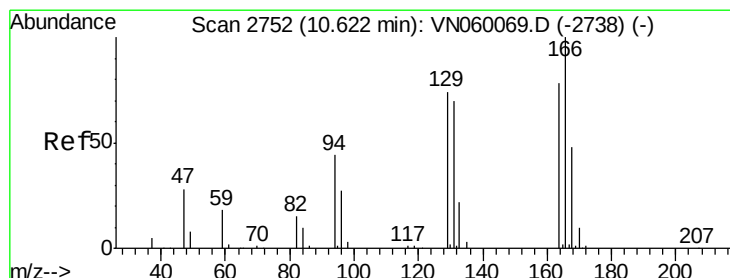
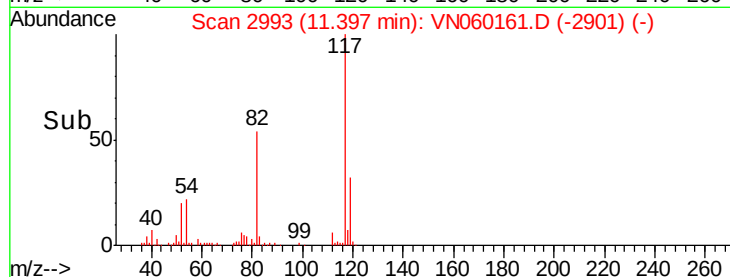
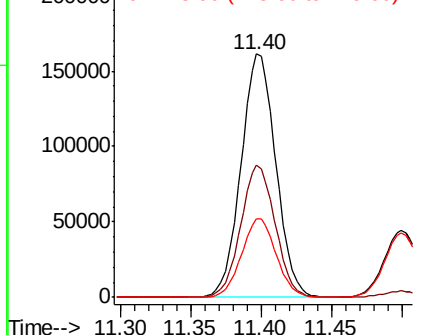


Abundance

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: 50.228 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.9	152.9
129	94.1	75.4	113.0
131	93.8	71.4	107.2

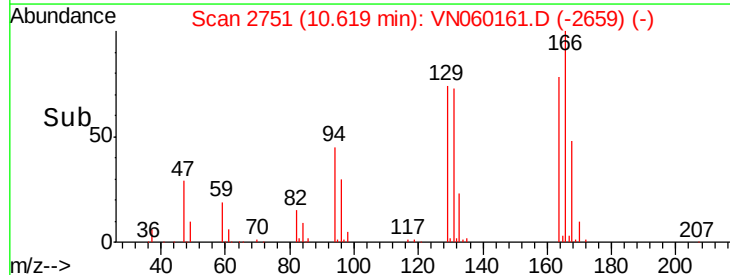
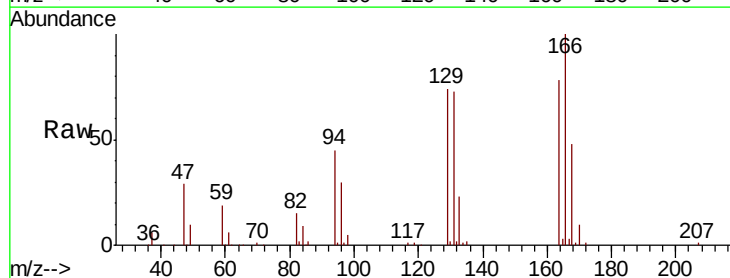
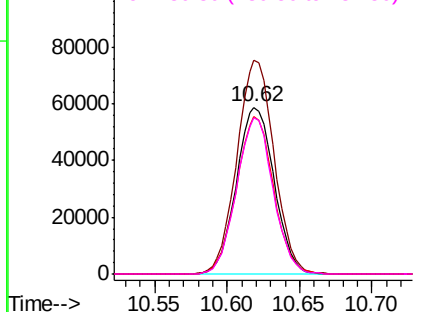
Abundance

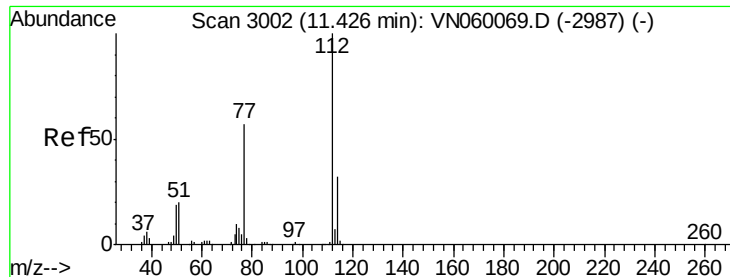
Ion 163.80 (163.50 to 164.50): V

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

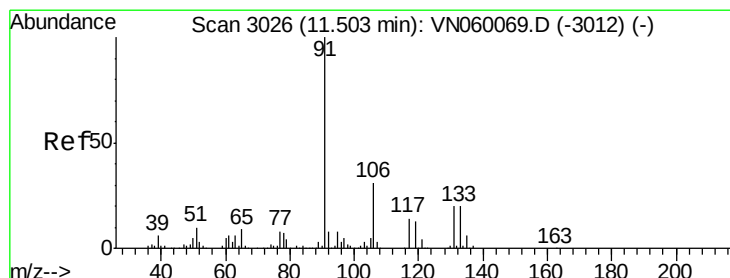
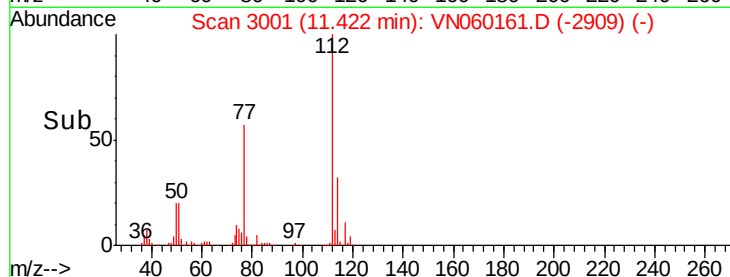
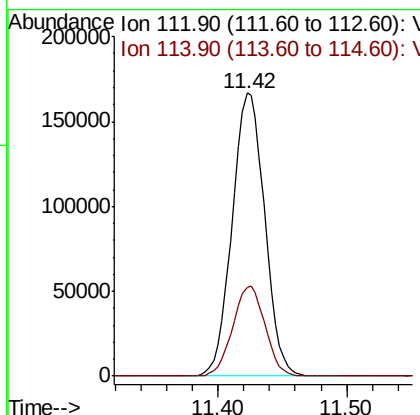
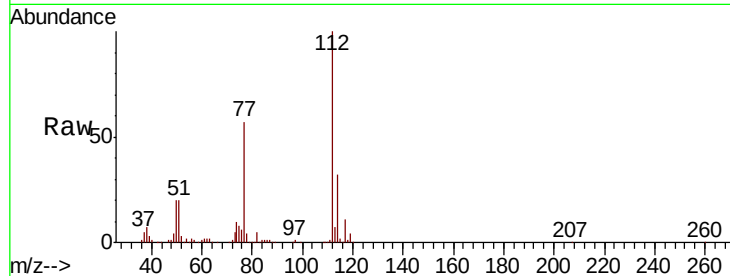




#65
Chlorobenzene
Concen: 51.383 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

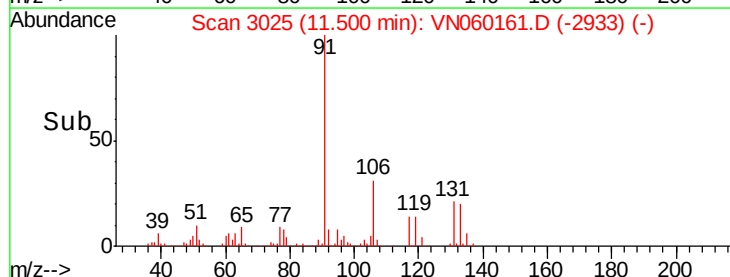
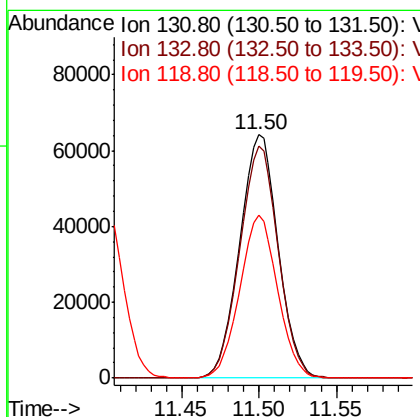
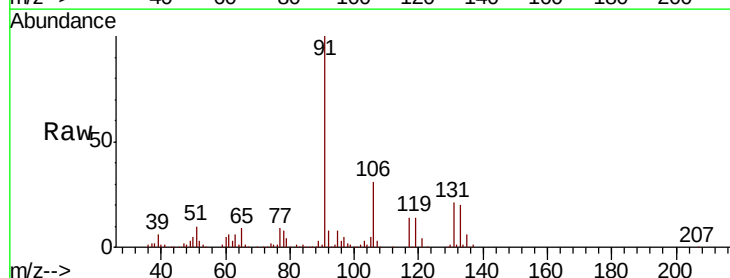
Instrument :
MSVOA_N
ClientSampleId :

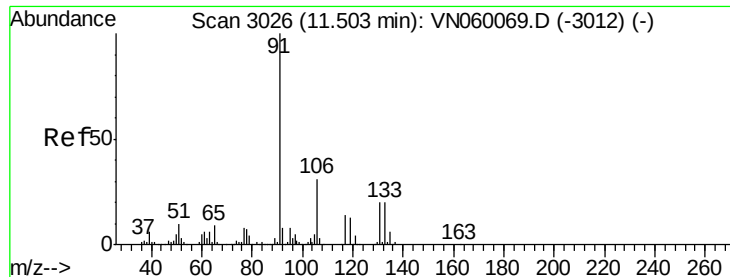
Tot Ion:112 Resp: 291885
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.761 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion:131 Resp: 111232
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.7
119 65.7 32.6 97.7





#67

Ethyl Benzene

Concen: 51.542 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

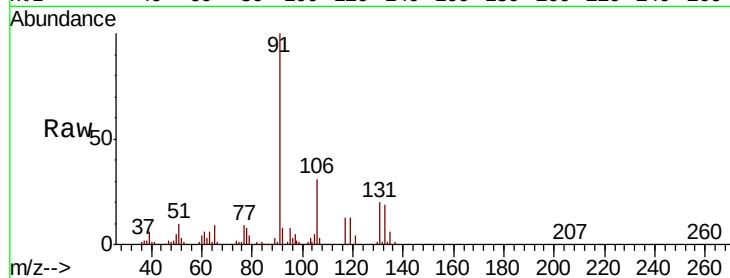
ClientSampled :

Tot Ion: 91 Resp: 528065

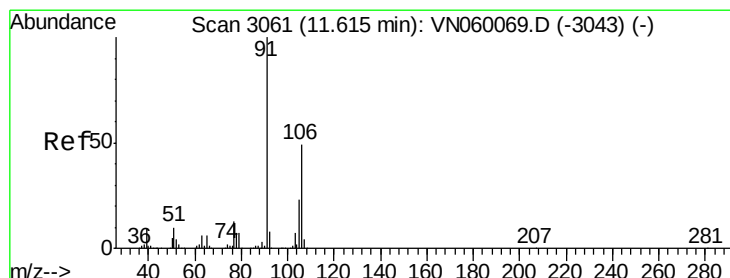
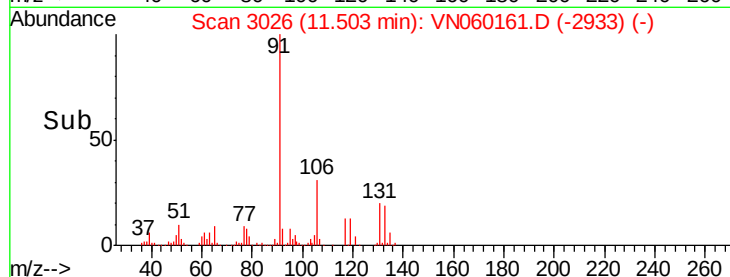
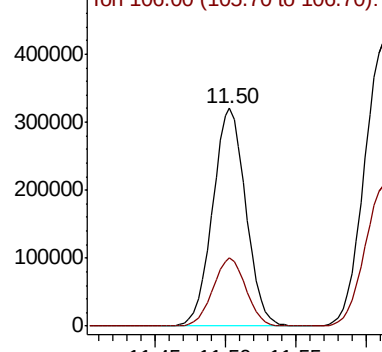
Ion Ratio Lower Upper

91 100

106 31.3 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN060161.D (-2933) (-)



#68

m/p-Xylenes

Concen: 103.890 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060161.D

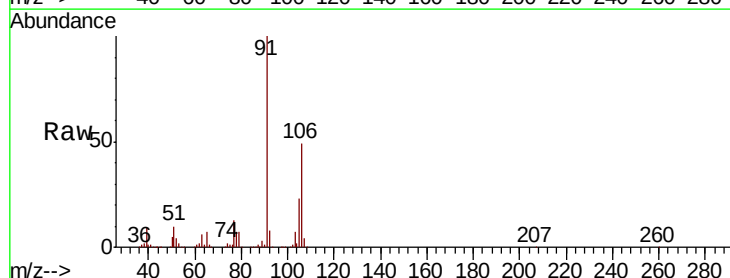
Acq: 20 Feb 2020 9:54

Tgt Ion: 106 Resp: 399479

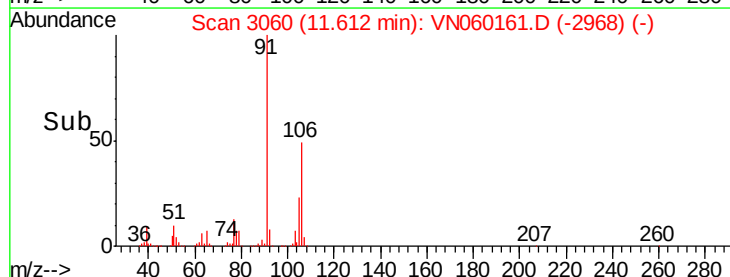
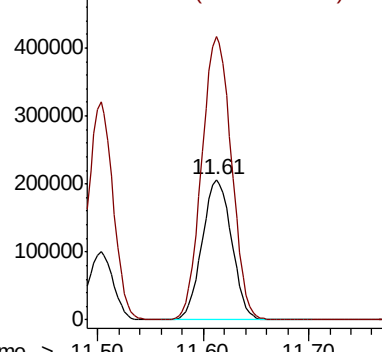
Ion Ratio Lower Upper

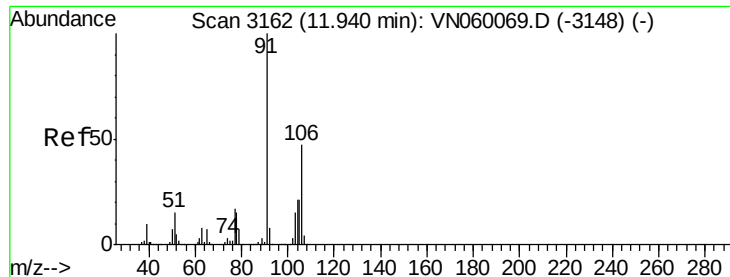
106 100

91 203.0 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060161.D (-2968) (-)

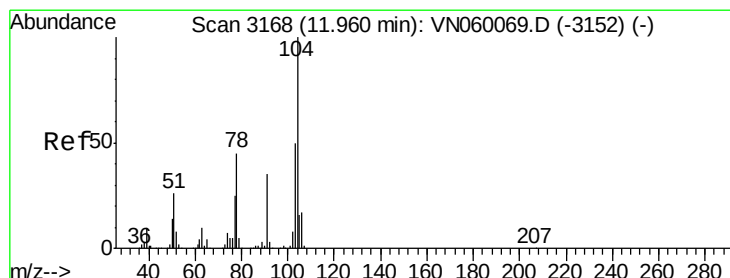
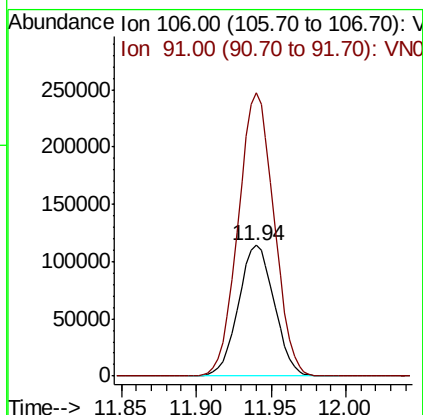
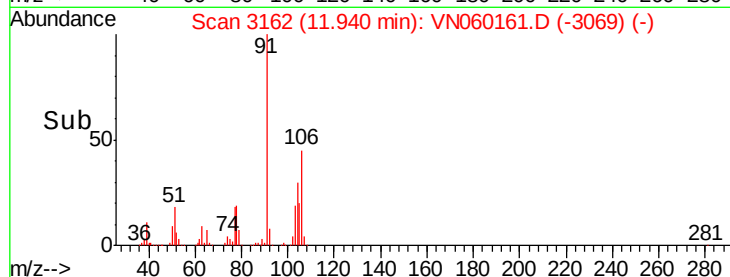
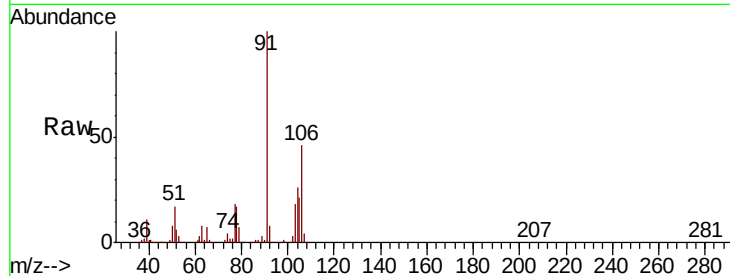




#69
o-Xylene
Concen: 51.524 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

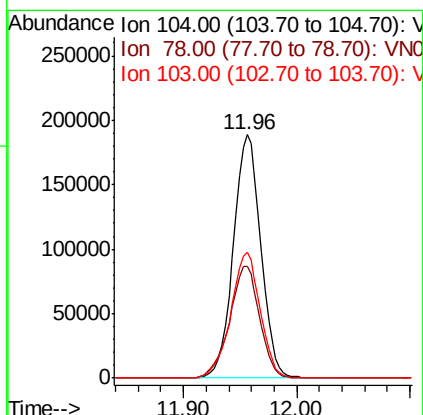
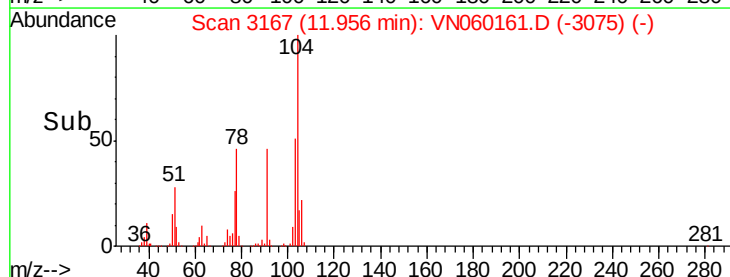
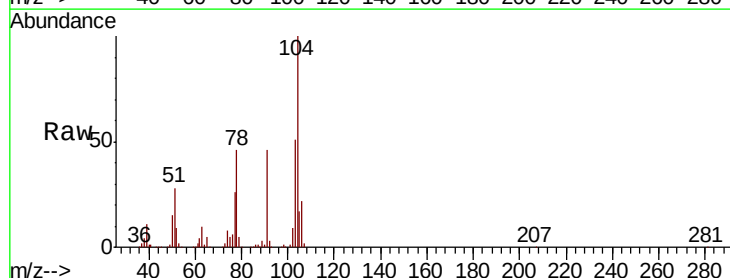
Instrument :
MSVOA_N
ClientSampled :

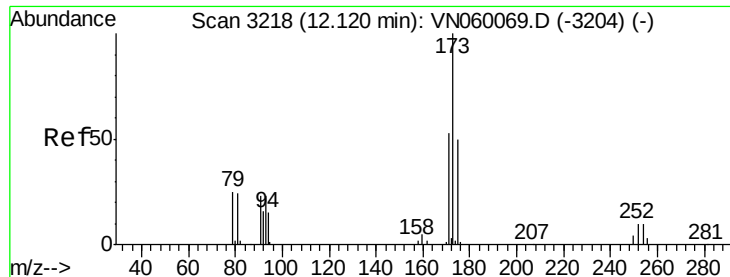
Tot Ion:106 Resp: 190759
Ion Ratio Lower Upper
106 100
91 215.7 107.2 321.6



#70
Styrene
Concen: 53.367 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion:104 Resp: 318616
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.2
103 55.3 44.3 66.5





#71

Bromoform

Concen: 53.571 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

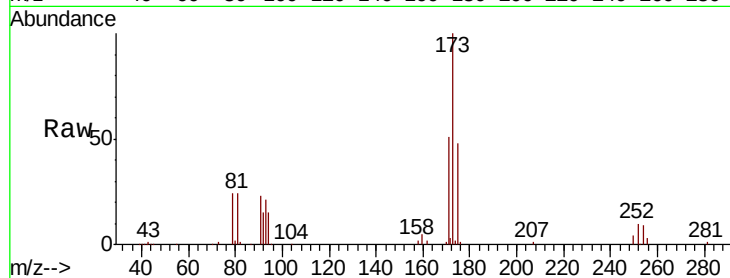
Tot Ion:173 Resp: 92593

Ion Ratio Lower Upper

173 100

175 48.2 24.9 74.6

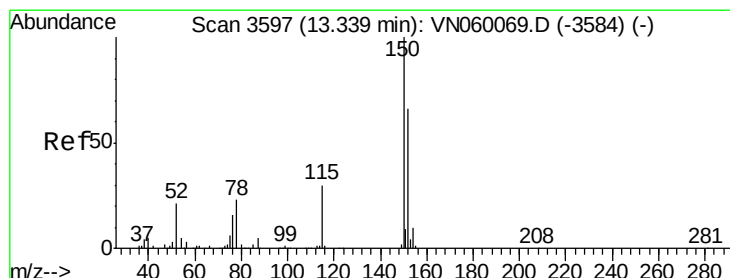
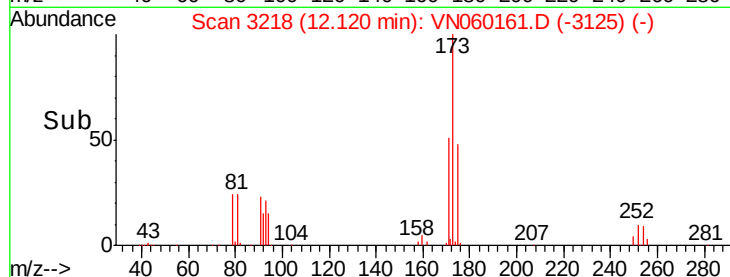
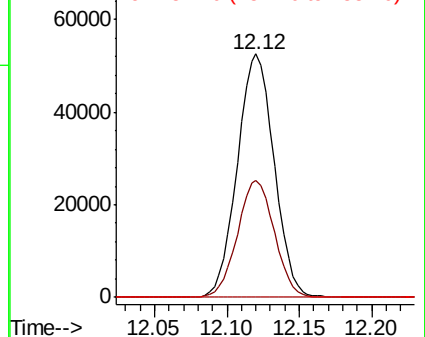
254 0.0 0.0 0.0



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: VN060161.D

Acq: 20 Feb 2020 9:54

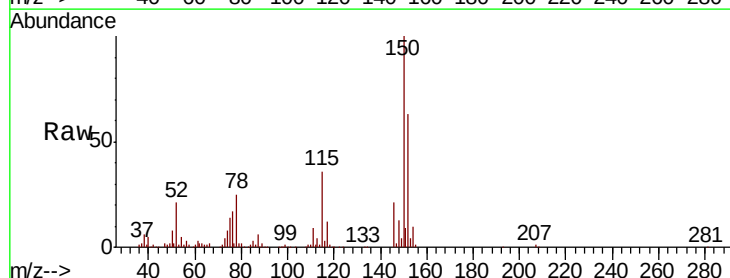
Tgt Ion:152 Resp: 141281

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.8

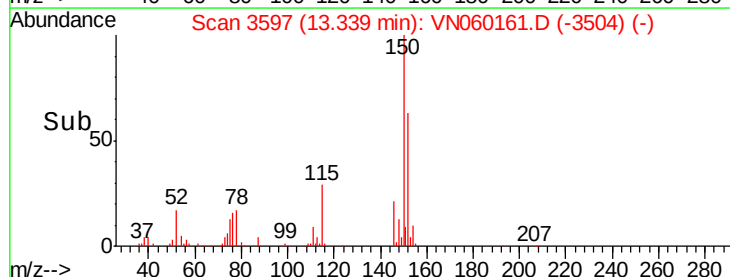
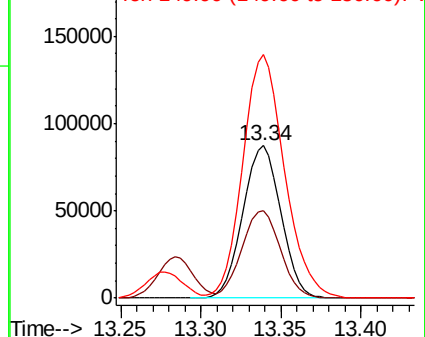
150 175.2 0.0 342.4

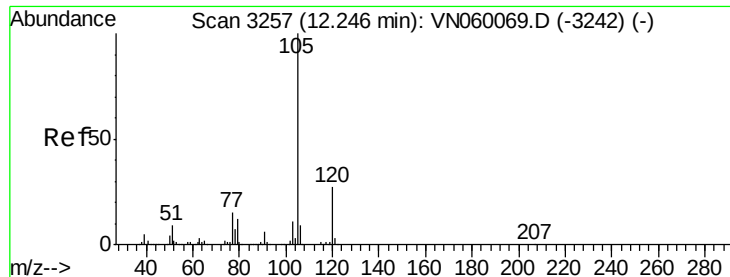


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.065 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

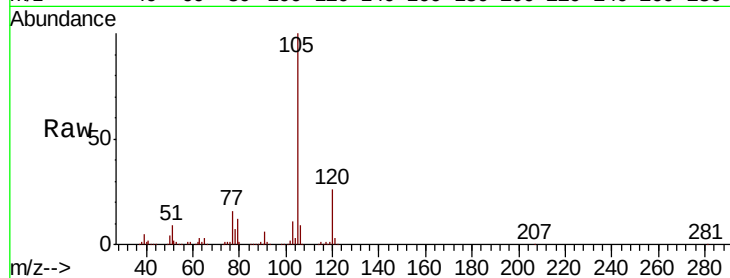
ClientSampleId :

Tot Ion:105 Resp: 528194

Ion Ratio Lower Upper

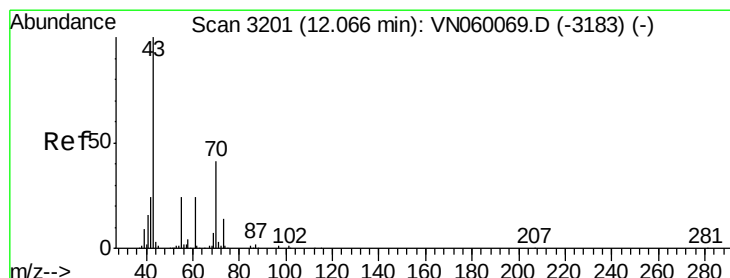
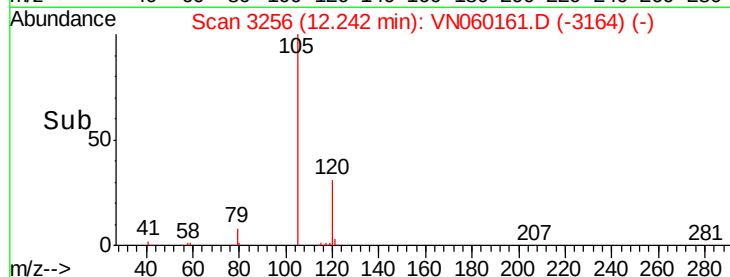
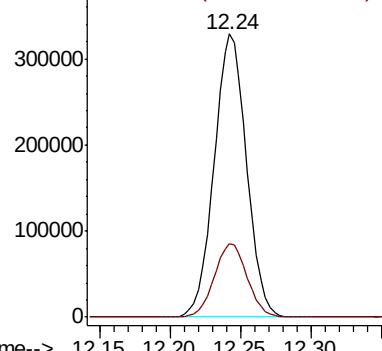
105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.603 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Tgt Ion: 43 Resp: 200121

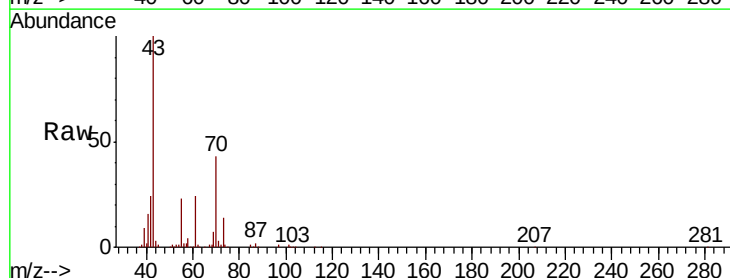
Ion Ratio Lower Upper

43 100

70 42.4 33.4 50.0

55 23.5 18.8 28.2

61 24.0 19.2 28.8

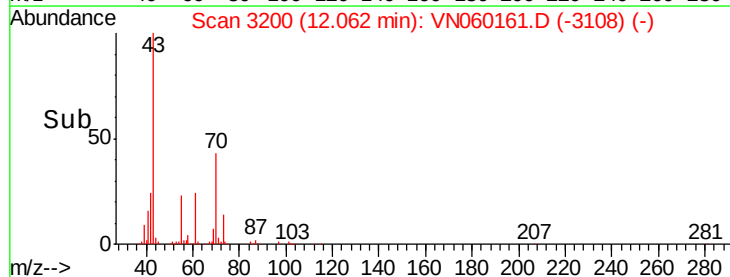
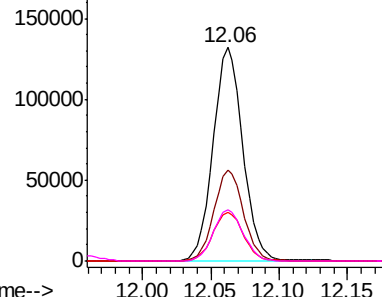


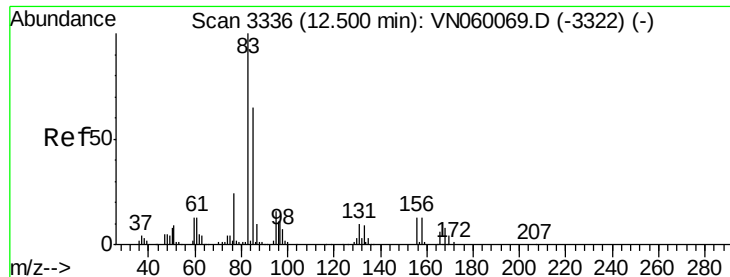
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.209 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

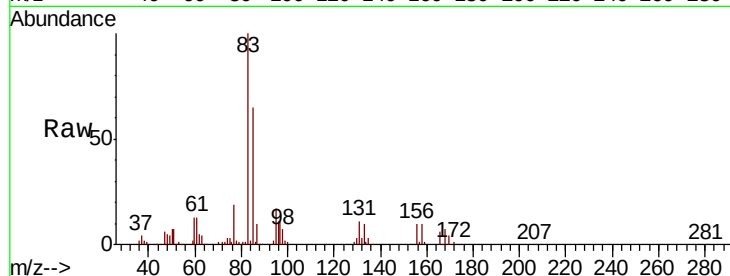
Tot Ion: 83 Resp: 152470

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

85 64.9 32.3 96.9



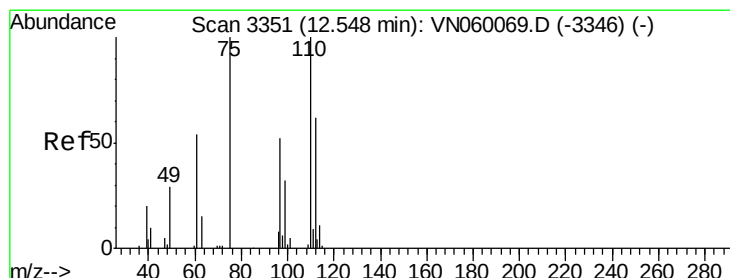
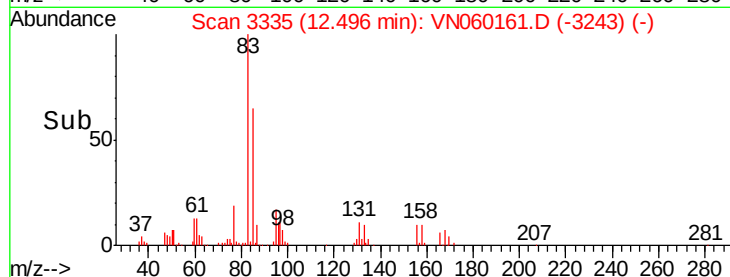
Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-3322) (-)

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

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

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 76.807 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060161.D

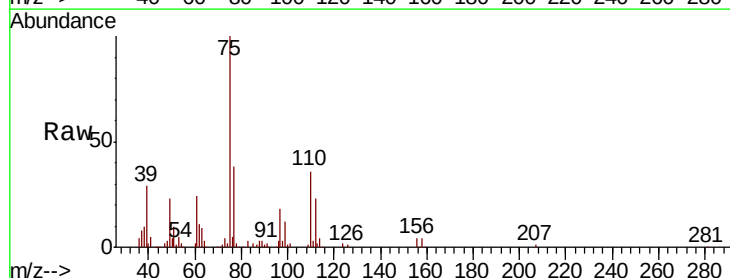
Acq: 20 Feb 2020 9:54

Tgt Ion: 75 Resp: 207611

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

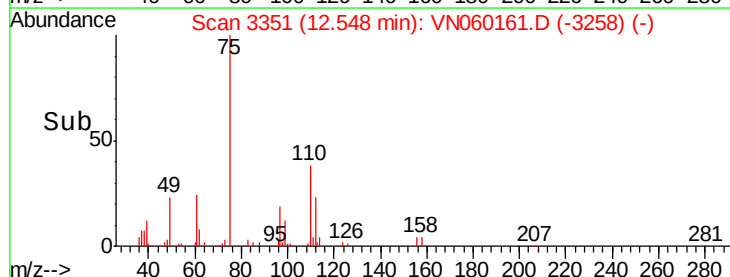


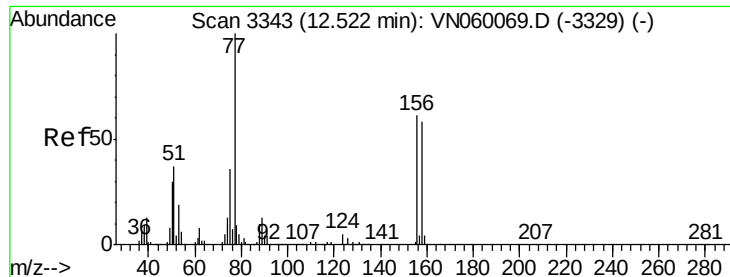
Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)

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

12.55

Time-->





#77

Bromobenzene

Concen: 50.285 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

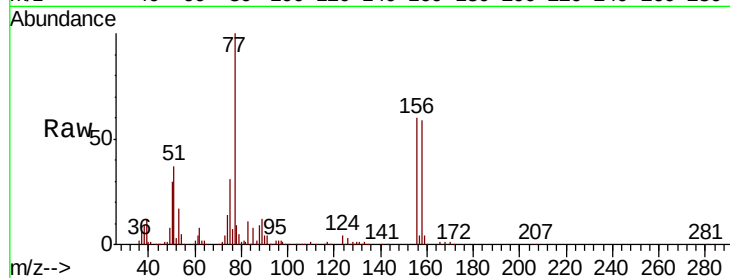
Tot Ion:156 Resp: 131658

Ion Ratio Lower Upper

156 100

77 200.4 98.7 296.1

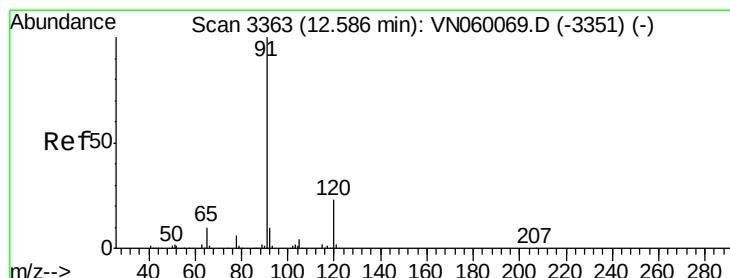
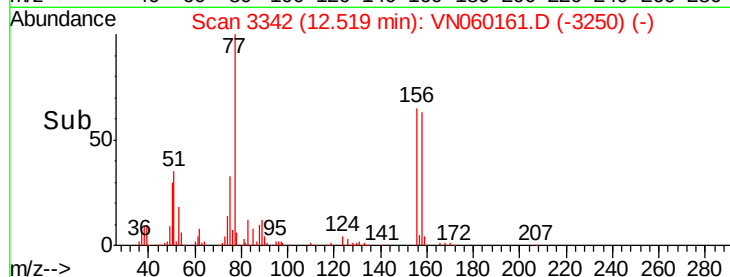
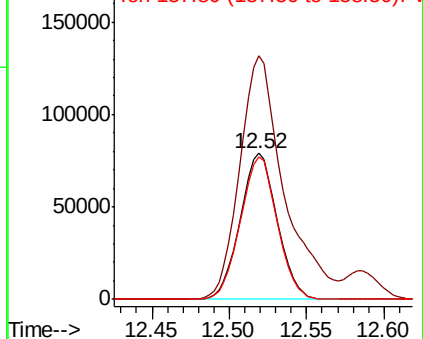
158 96.7 48.1 144.4



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: 50.899 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060161.D

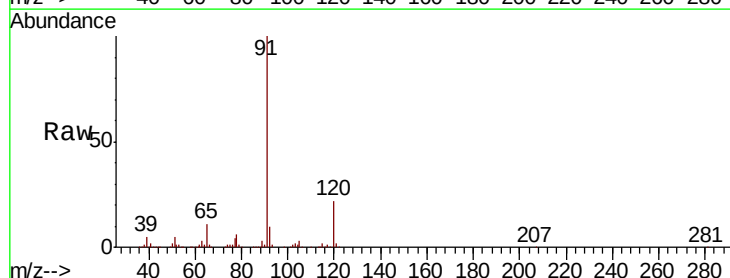
Acq: 20 Feb 2020 9:54

Tgt Ion: 91 Resp: 611814

Ion Ratio Lower Upper

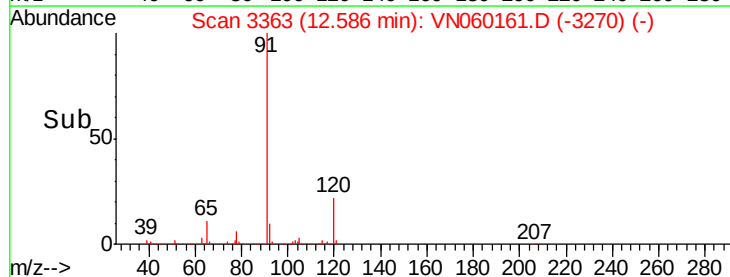
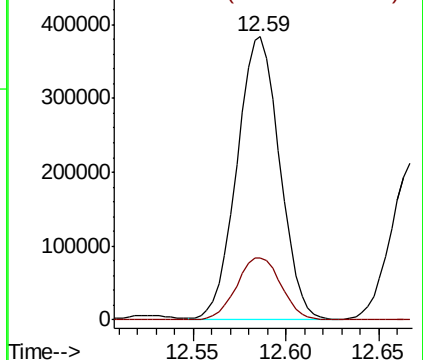
91 100

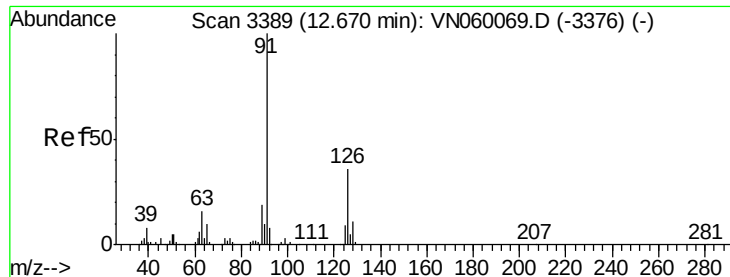
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.383 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

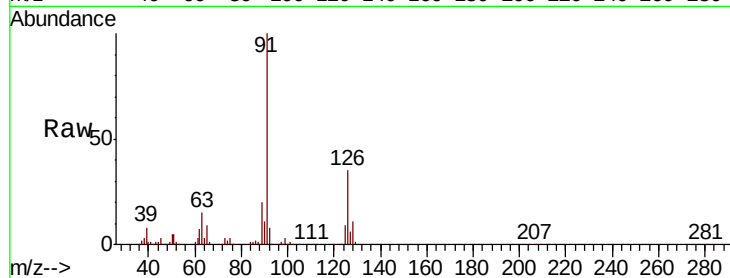
ClientSampled :

Tot Ion: 91 Resp: 348897

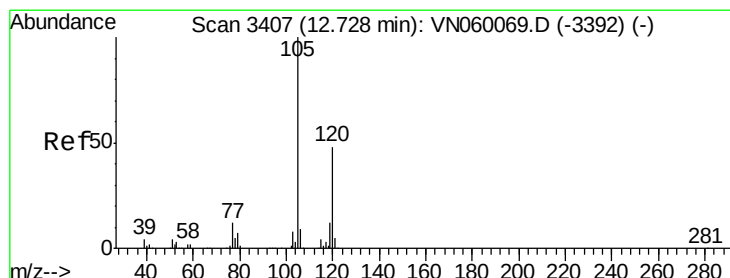
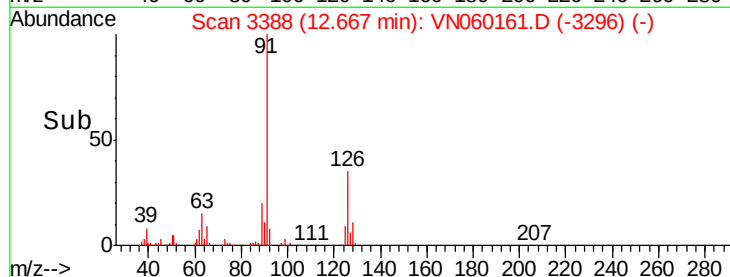
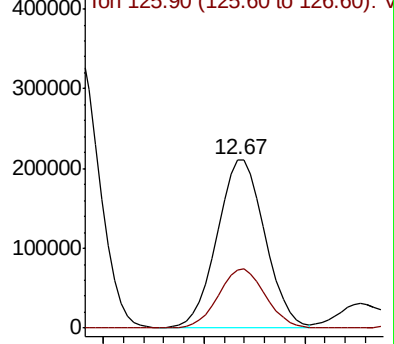
Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.836 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060161.D

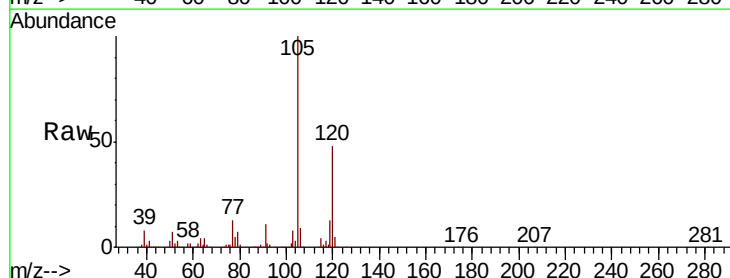
Acq: 20 Feb 2020 9:54

Tgt Ion: 105 Resp: 445934

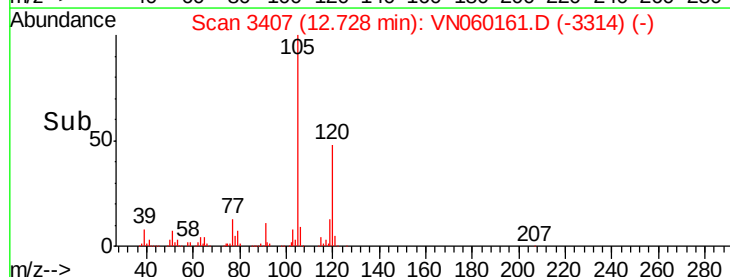
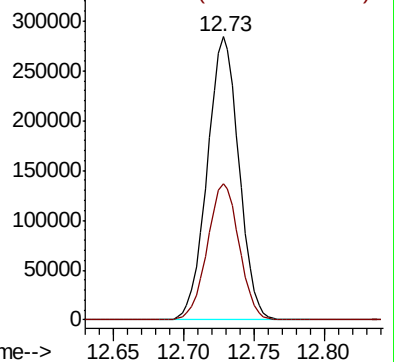
Ion Ratio Lower Upper

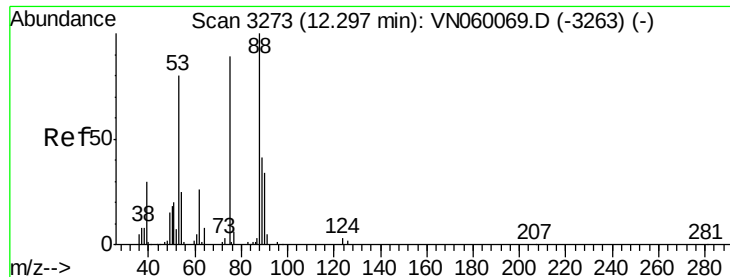
105 100

120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

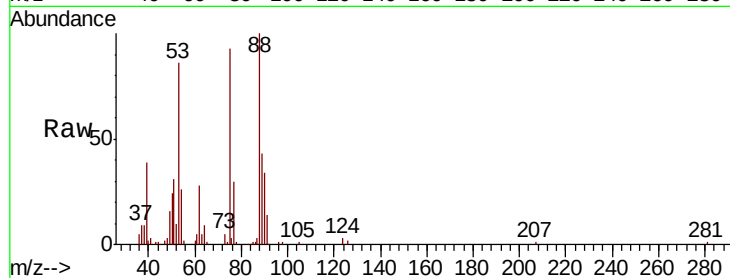




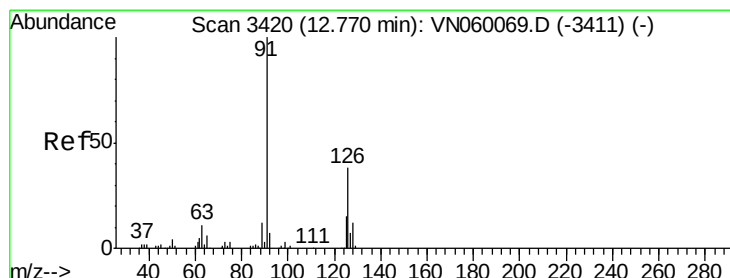
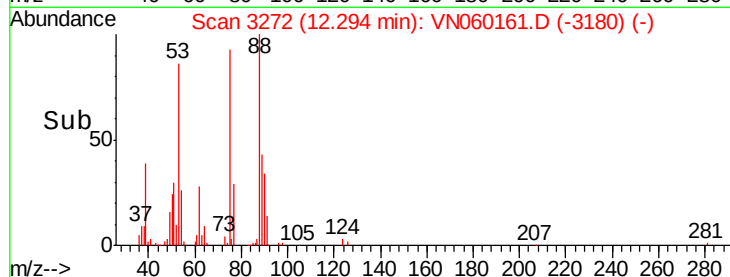
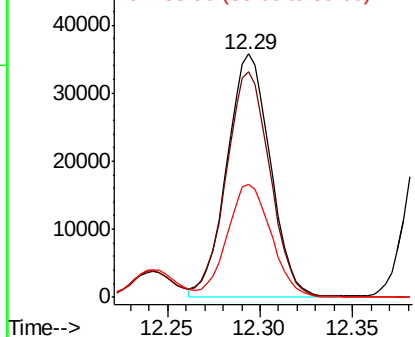
#81
trans-1,4-Dichloro-2-butene
Concen: 52.652 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.5	73.9	110.9
89	46.8	37.0	55.4

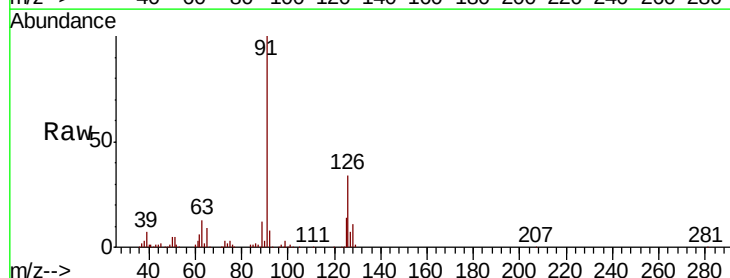


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

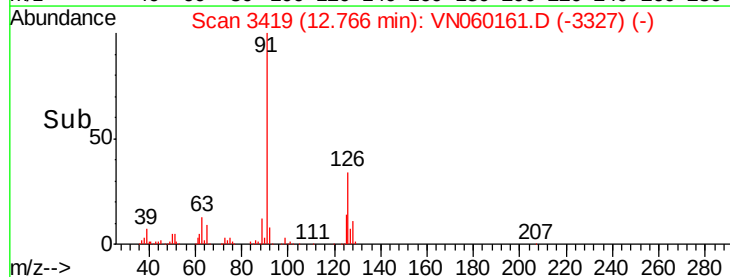
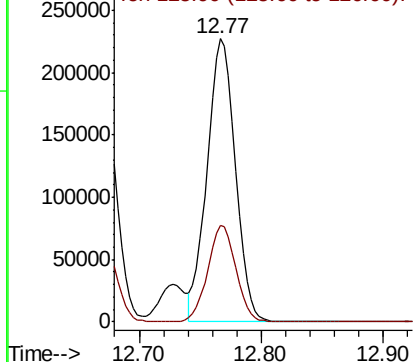


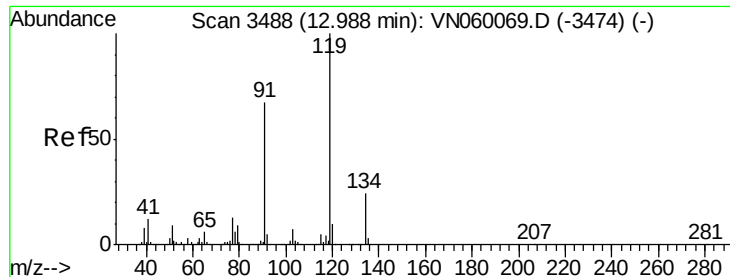
#82
4-Chlorotoluene
Concen: 50.869 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060161.D
Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.1	51.3



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

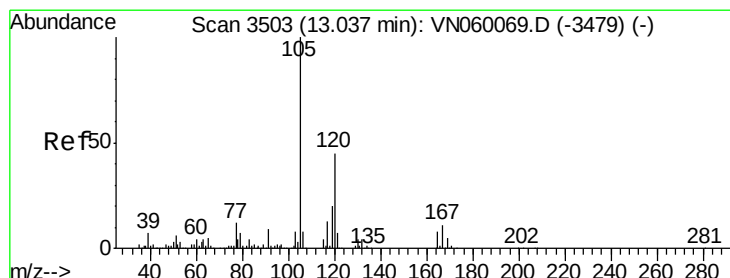
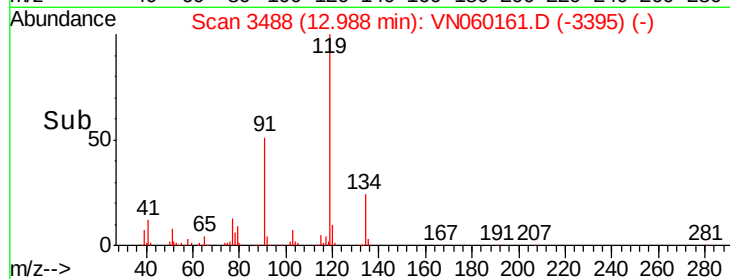
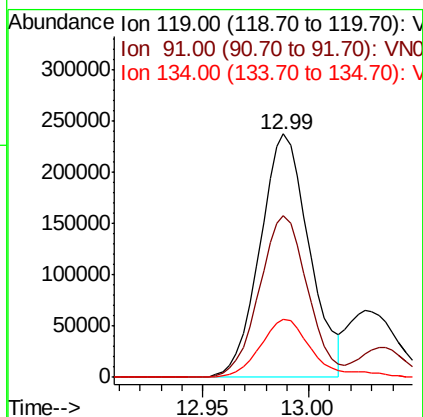
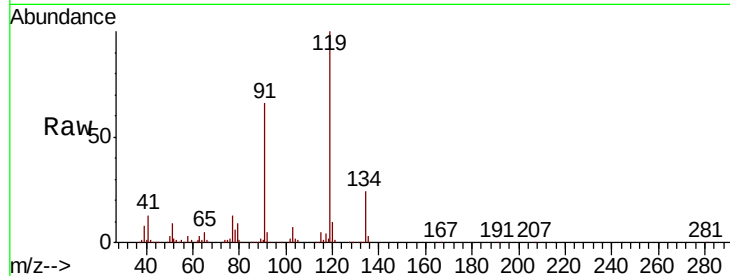




#83
 tert-Butylbenzene
 Concen: 49.705 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

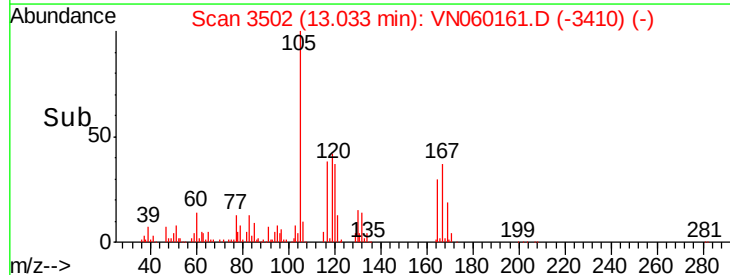
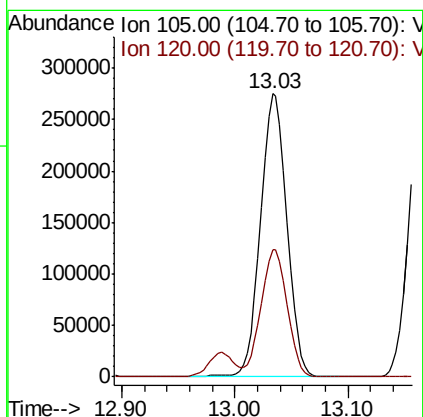
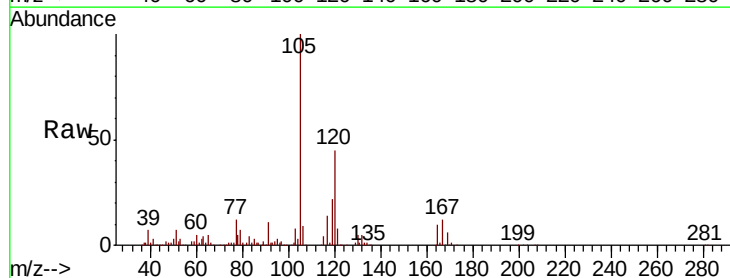
Instrument :
 MSVOA_N
 ClientSampleId :

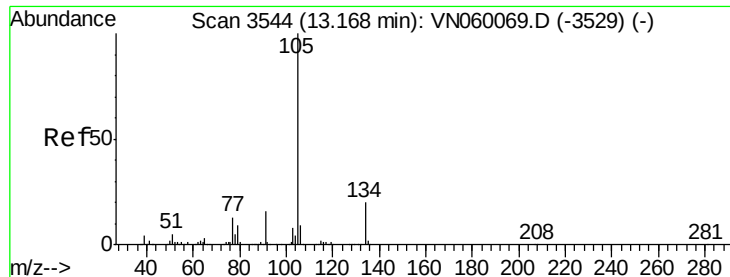
Tot Ion:119 Resp: 385704
 Ion Ratio Lower Upper
 119 100
 91 65.4 32.7 98.1
 134 25.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.439 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion:105 Resp: 445408
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 50.671 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

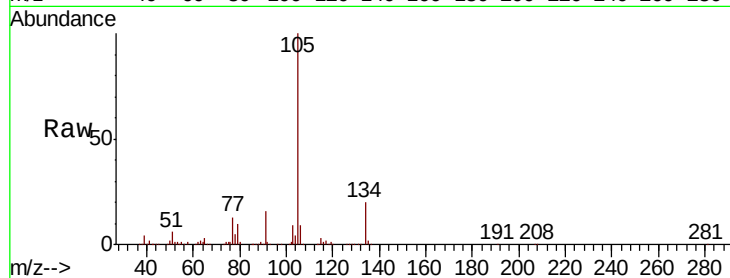
ClientSampled :

Tot Ion:105 Resp: 520737

Ion Ratio Lower Upper

105 100

134 19.9 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

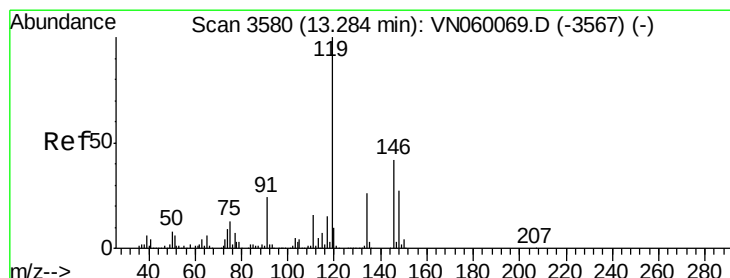
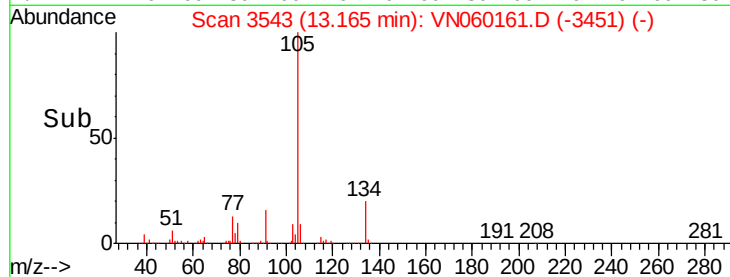
300000

200000

100000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 51.793 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

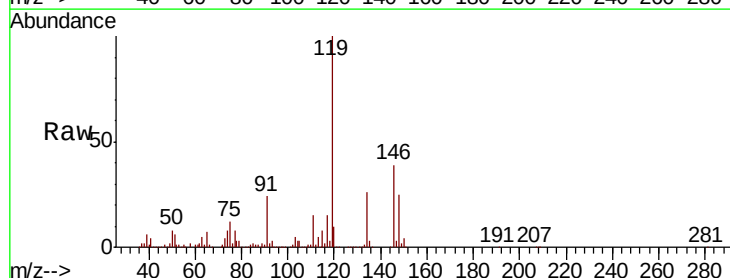
Tgt Ion:119 Resp: 482254

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 23.7 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

400000

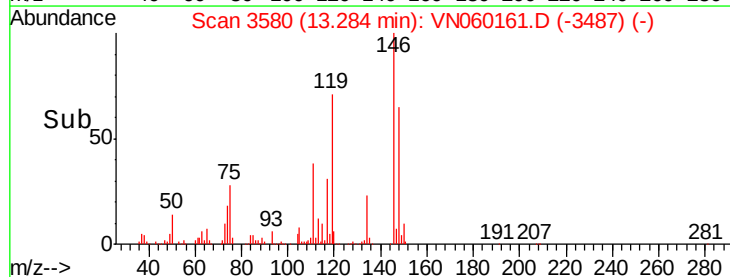
300000

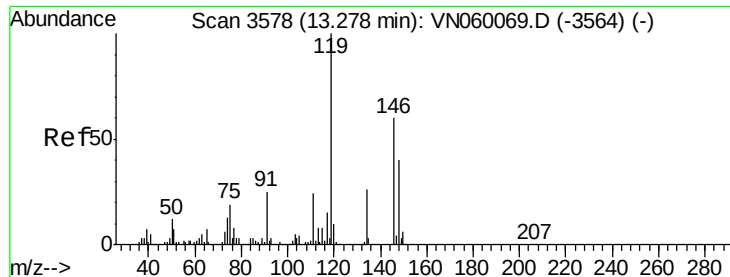
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 51.835 ug/l

RT: 13.28 min Scan# 3578

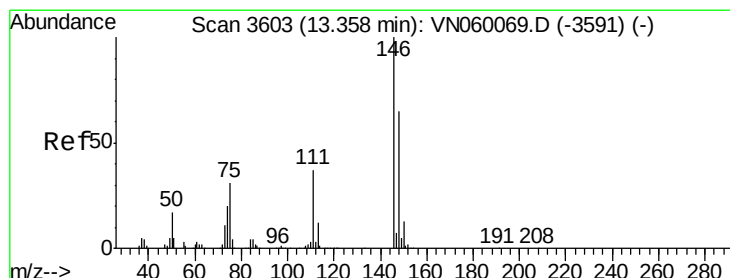
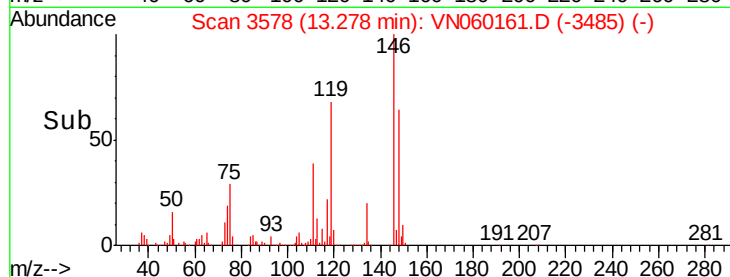
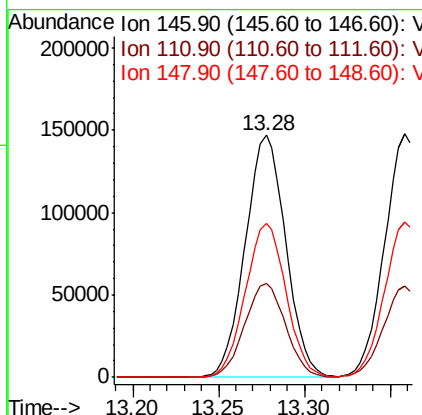
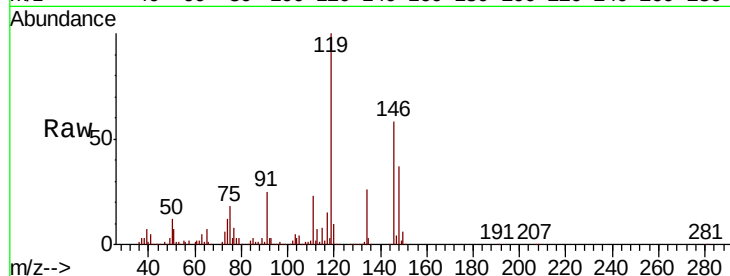
Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	63.8	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 51.337 ug/l

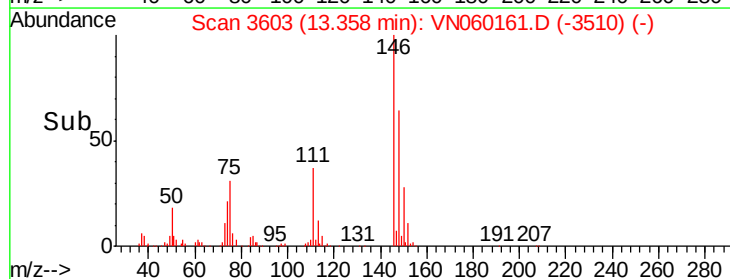
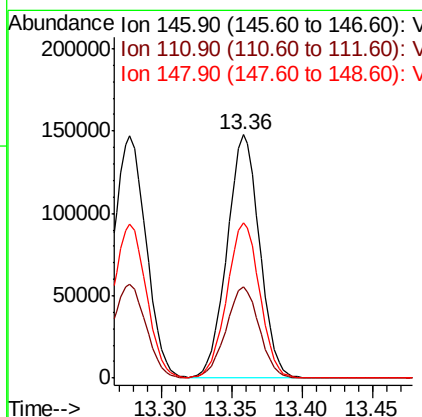
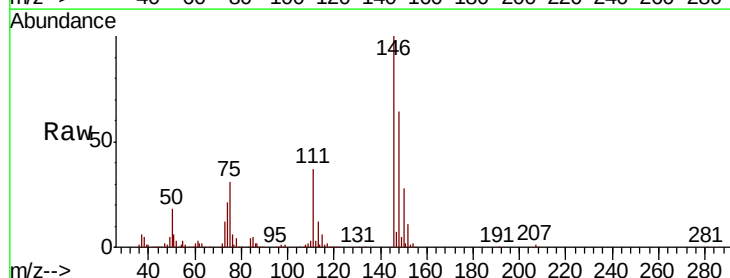
RT: 13.36 min Scan# 3603

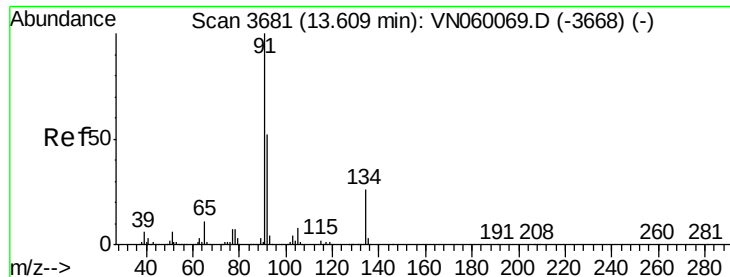
Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.5
148	64.3	32.0	96.0





#89

n-Butylbenzene

Concen: 52.944 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

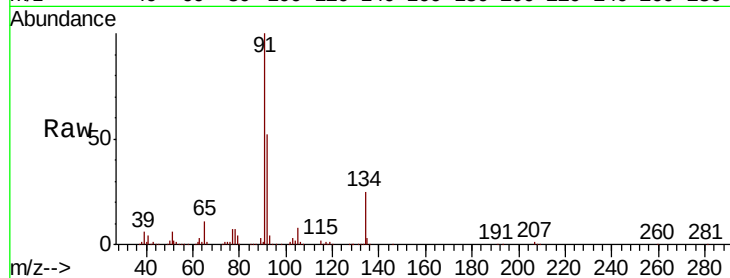
Tot Ion: 91 Resp: 433595

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	25.4	13.1	39.3

91 100

92 52.0 26.1 78.2

134 25.4 13.1 39.3

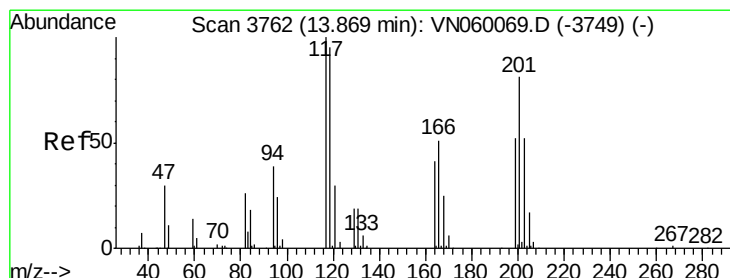
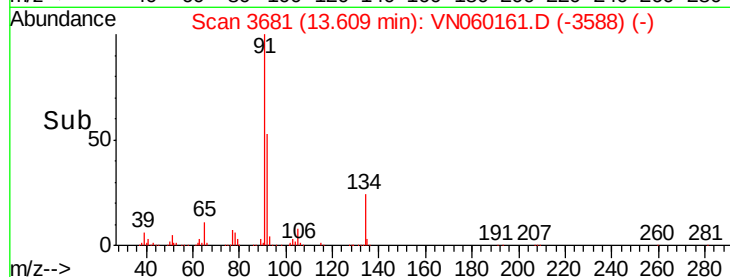
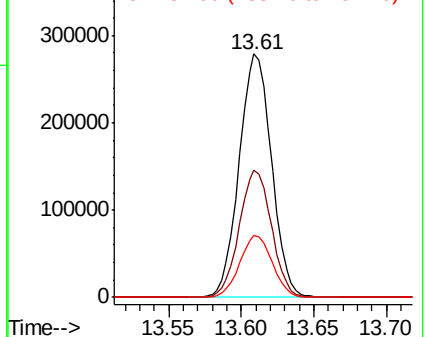


Abundance

Ion 91.00 (90.70 to 91.70): VN060069.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN060069.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060069.D (-3668) (-)



#90

Hexachloroethane

Concen: 50.395 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060161.D

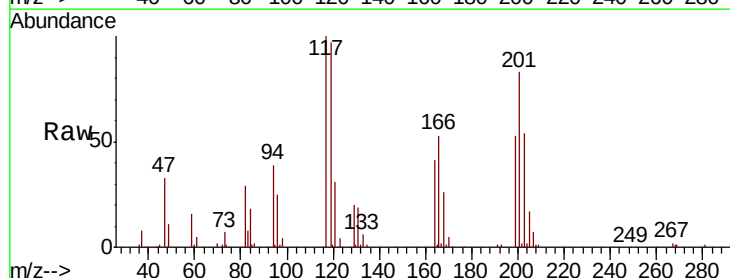
Acq: 20 Feb 2020 9:54

Tgt Ion: 117 Resp: 87661

Ion	Ratio	Lower	Upper
117	100		
201	83.9	41.7	125.1

117 100

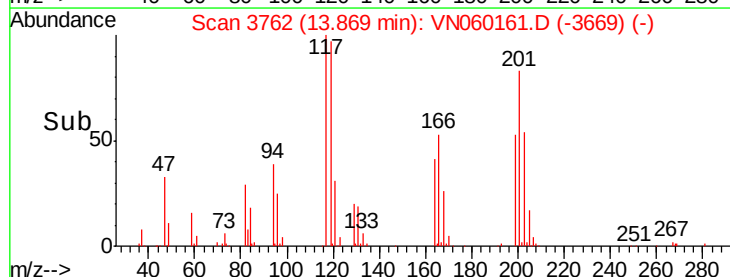
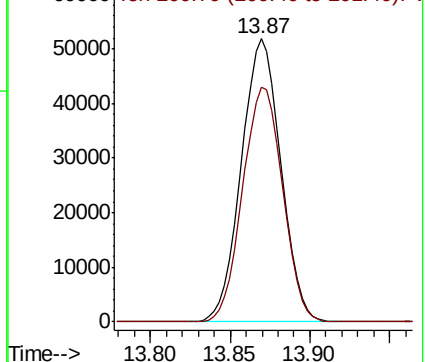
201 83.9 41.7 125.1

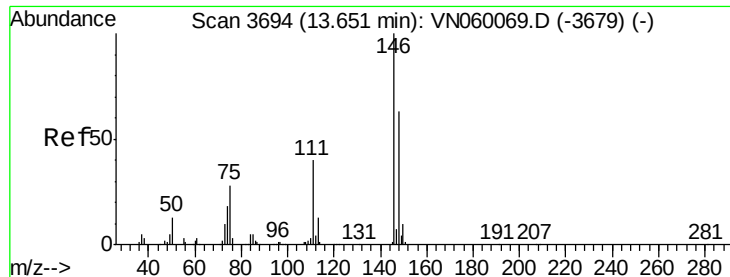


Abundance

Ion 116.80 (116.50 to 117.50): VN060069.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060069.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 50.890 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060161.D

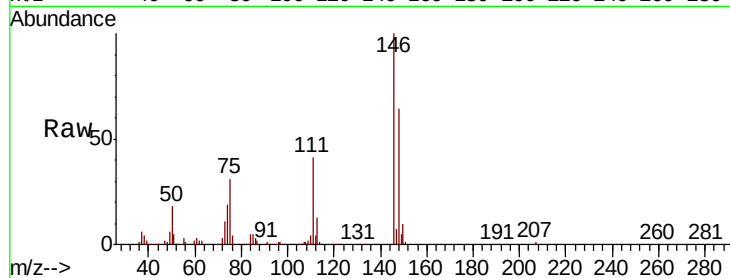
Acq: 20 Feb 2020 9:54

Instrument :

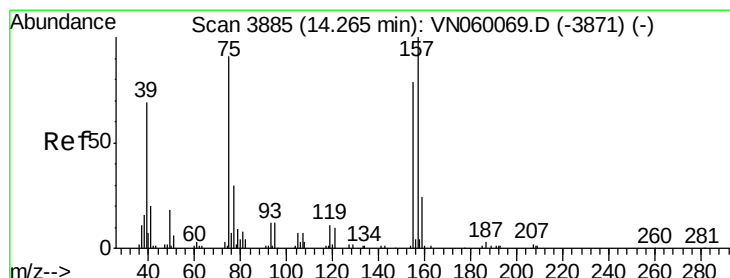
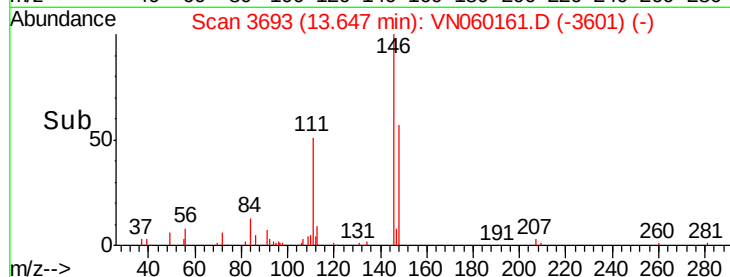
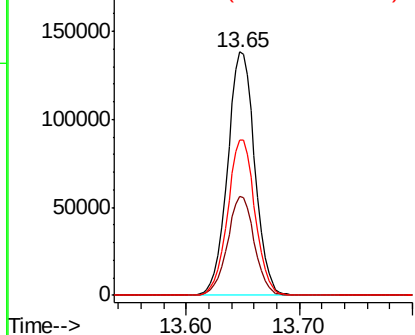
MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	230816
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	64.2	31.9	95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.357 ug/l

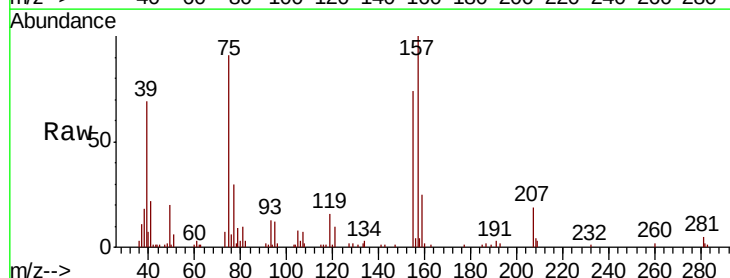
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

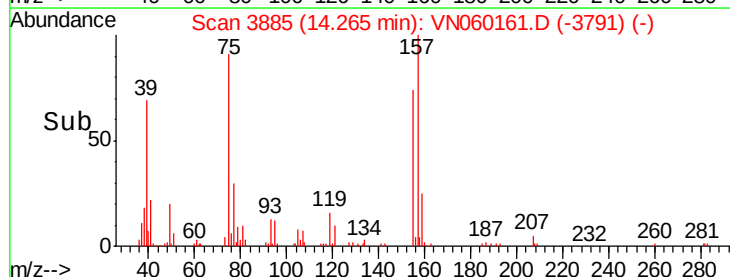
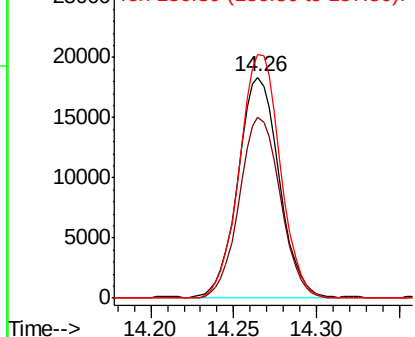
Lab File: VN060161.D

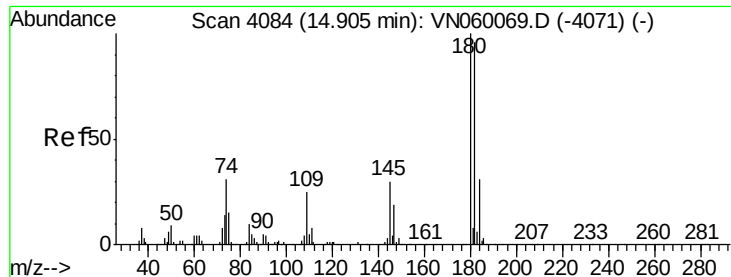
Acq: 20 Feb 2020 9:54

Tgt Ion:	75	Resp:	31875
Ion	Ratio	Lower	Upper
75	100		
155	81.3	43.0	129.0
157	108.7	54.9	164.5



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

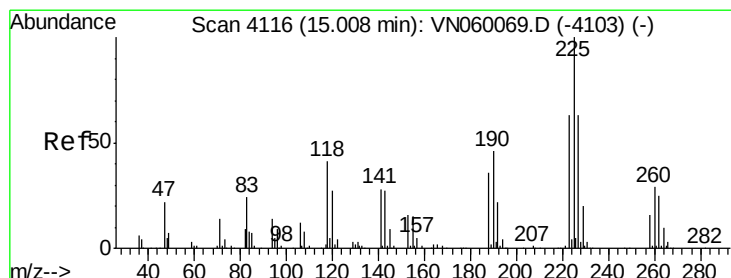
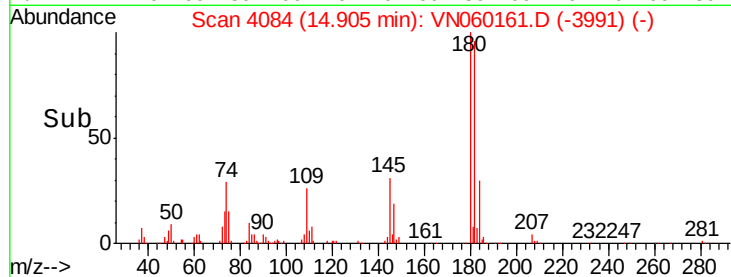
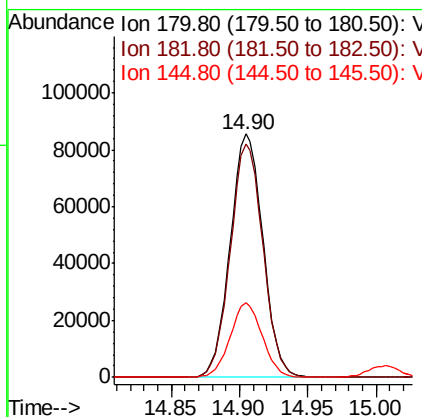
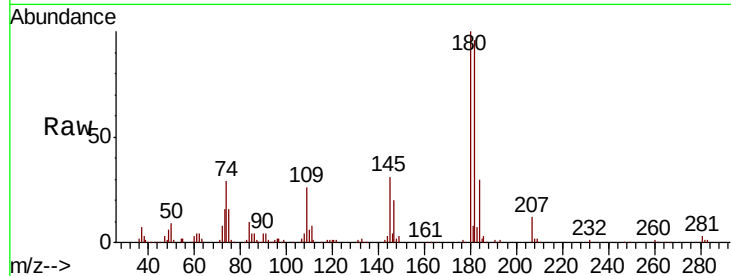




#93
 1,2,4-Trichlorobenzene
 Concen: 53.408 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

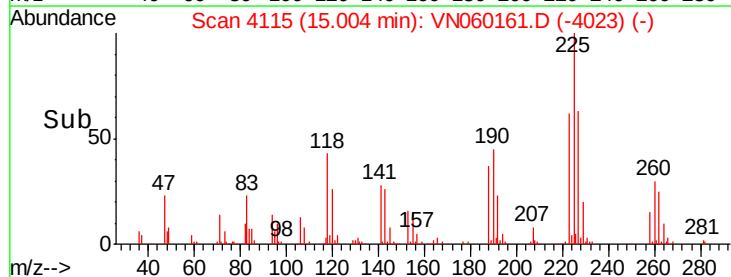
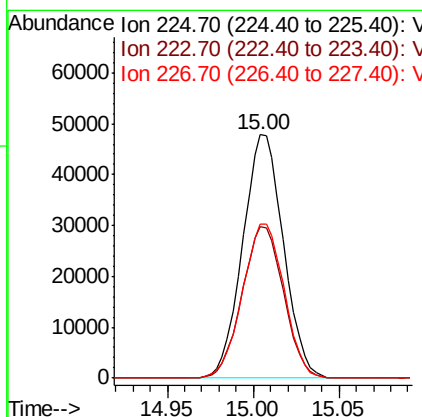
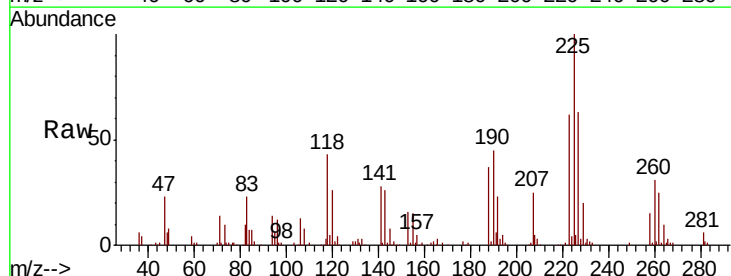
Instrument :
 MSVOA_N
 ClientSampled :

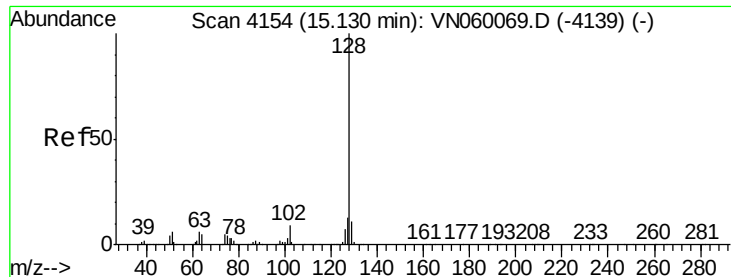
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	30.2	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 50.318 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060161.D
 Acq: 20 Feb 2020 9:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.5	94.5
227	64.7	31.8	95.4





#95

Naphthalene

Concen: 50.228 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

Instrument :

MSVOA_N

ClientSampled :

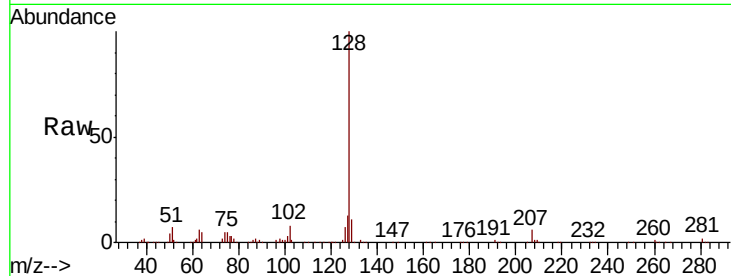
Tot Ion:128 Resp: 361585

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

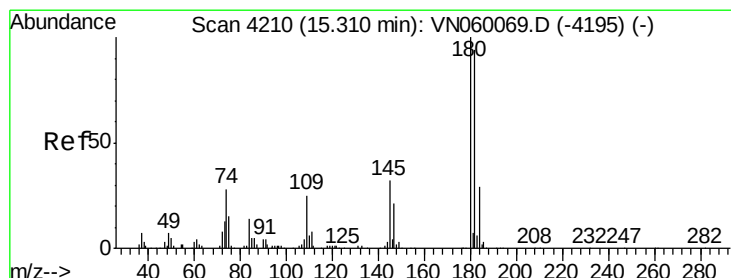
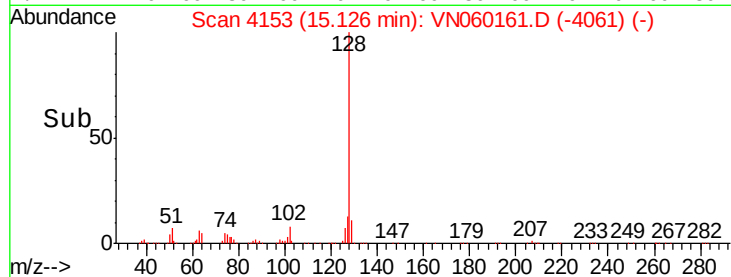
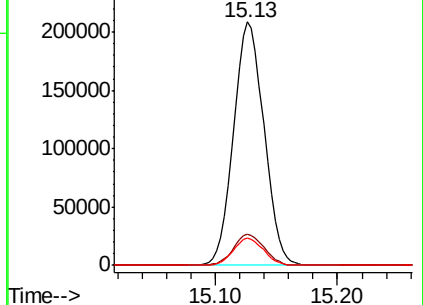
129 11.0 8.6 13.0



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: 51.490 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060161.D

Acq: 20 Feb 2020 9:54

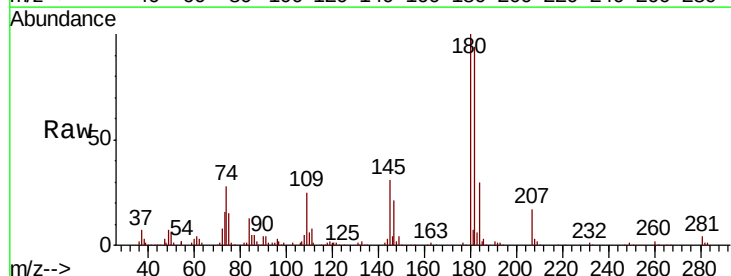
Tgt Ion:180 Resp: 136650

Ion Ratio Lower Upper

180 100

182 94.2 47.5 142.5

145 31.9 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

