

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060069.D
 Acq On : 12 Feb 2020 12:27
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 12 12:57:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 12:49:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	315647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152904	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	121213	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
35) Dibromofluoromethane	7.57	113	99500	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
50) Toluene-d8	10.08	98	383998	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	141225	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	102142	51.192	ug/l	100
3) Chloromethane	2.04	50	117914	48.779	ug/l	100
4) Vinyl Chloride	2.17	62	135579	49.430	ug/l	100
5) Bromomethane	2.54	94	78808	43.324	ug/l	100
6) Chloroethane	2.68	64	65289	47.308	ug/l	100
7) Trichlorofluoromethane	3.00	101	169033	47.911	ug/l	100
8) Diethyl Ether	3.39	74	57544	49.977	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94248	48.060	ug/l	100
10) Methyl Iodide	3.93	142	128299	58.062	ug/l	100
11) Tert butyl alcohol	4.73	59	92214	262.918	ug/l	100
12) 1,1-Dichloroethene	3.72	96	92252	49.172	ug/l	100
13) Acrolein	3.58	56	89565	264.382	ug/l	100
14) Allyl chloride	4.29	41	130469	46.657	ug/l	100
15) Acrylonitrile	4.94	53	231634	273.177	ug/l	100
16) Acetone	3.78	43	280430	313.847	ug/l	100
17) Carbon Disulfide	4.03	76	274388	48.044	ug/l	100
18) Methyl Acetate	4.29	43	102028	52.603	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	311139	49.233	ug/l	100
20) Methylene Chloride	4.52	84	102727	48.397	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	101756	55.369	ug/l	100
22) Diisopropyl ether	5.91	45	299184	50.121	ug/l	100
23) Vinyl Acetate	5.86	43	1300925	262.843	ug/l	100
24) 1,1-Dichloroethane	5.82	63	181233	49.156	ug/l	100
25) 2-Butanone	6.80	43	355523	276.608	ug/l	100
26) 2,2-Dichloropropane	6.80	77	172970	49.247	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	117693	55.255	ug/l	100
28) Bromochloromethane	7.17	49	71888	55.794	ug/l	100
29) Tetrahydrofuran	7.18	42	206844	260.324	ug/l	100
30) Chloroform	7.35	83	191387	49.516	ug/l	100
31) Cyclohexane	7.63	56	164249	46.521	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	176294	50.048	ug/l	100
36) 1,1-Dichloropropene	7.77	75	143765	49.205	ug/l	100
37) Ethyl Acetate	6.90	43	132386	51.601	ug/l	100
38) Carbon Tetrachloride	7.75	117	155374	49.015	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	176984	48.885	ug/l	100
40) Benzene	8.02	78	422257	48.339	ug/l	100
41) Methacrylonitrile	7.18	41	191673	113.892	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	150908	49.896	ug/l	100
43) Isopropyl Acetate	8.14	43	225771	51.273	ug/l	100
44) Trichloroethene	8.82	130	117166	48.341	ug/l	100
45) 1,2-Dichloropropane	9.10	63	107748	50.289	ug/l	100
46) Dibromomethane	9.19	93	76052	50.510	ug/l	100
47) Bromodichloromethane	9.39	83	153956	50.394	ug/l	100
48) Methyl methacrylate	9.18	41	102372	52.431	ug/l	100
49) 1,4-Dioxane	9.18	88	37980	1159.285	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	674923	266.573	ug/l	100
52) Toluene	10.14	92	274843	49.866	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	175294	51.868	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	183026	50.668	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	108169	49.959	ug/l	100
56) Ethyl methacrylate	10.42	69	160610	55.758	ug/l	100
57) 1,3-Dichloropropane	10.70	76	176463	49.293	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	375227	276.302	ug/l	100
59) 2-Hexanone	10.74	43	541745	280.514	ug/l	100
60) Dibromochloromethane	10.89	129	125660	51.871	ug/l	100
61) 1,2-Dibromoethane	10.99	107	115336	51.817	ug/l	100
64) Tetrachloroethene	10.62	164	109198	46.643	ug/l	100
65) Chlorobenzene	11.43	112	298497	48.865	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	114305	49.995	ug/l	100
67) Ethyl Benzene	11.50	91	539429	49.089	ug/l	100
68) m/p-Xylenes	11.62	106	407076	99.542	ug/l	100
69) o-Xylene	11.94	106	196436	49.984	ug/l	100
70) Styrene	11.96	104	326879	53.614	ug/l	100
71) Bromoform	12.12	173	94554	53.873	ug/l #	100
73) Isopropylbenzene	12.25	105	539692	46.153	ug/l	100
74) N-amyl acetate	12.07	43	210386	52.734	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	160593	48.506	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	215032	51.741	ug/l #	100
77) Bromobenzene	12.52	156	134984	46.893	ug/l	100
78) n-propylbenzene	12.59	91	615877	46.425	ug/l	100
79) 2-Chlorotoluene	12.67	91	357558	45.664	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	453239	46.962	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59418	51.712	ug/l	100
82) 4-Chlorotoluene	12.77	91	372259	46.957	ug/l	100
83) tert-Butylbenzene	12.99	119	388742	44.790	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	456989	48.436	ug/l	100
85) sec-Butylbenzene	13.17	105	530020	46.683	ug/l	100
86) p-Isopropyltoluene	13.28	119	478937	47.101	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	242196	48.176	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	239940	48.110	ug/l	100
89) n-Butylbenzene	13.61	91	430384	48.870	ug/l	100
90) Hexachloroethane	13.87	117	90220	47.699	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	234595	47.098	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	34889	44.067	ug/l	100

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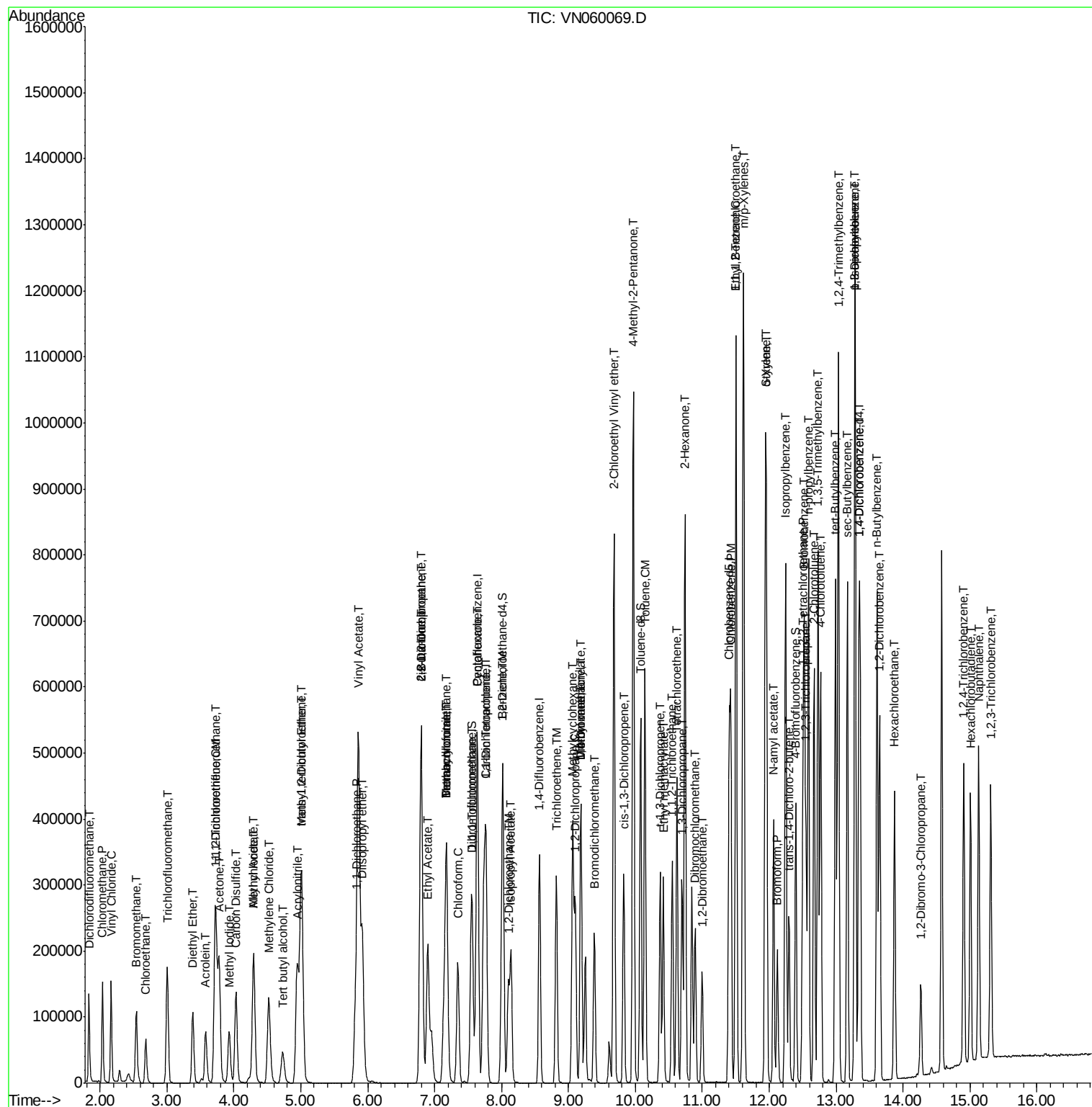
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	147337	53.082	ug/l	100
94) Hexachlorobutadiene	15.01	225	78525	44.862	ug/l	100
95) Naphthalene	15.13	128	408807	55.811	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	143081	50.934	ug/l	100

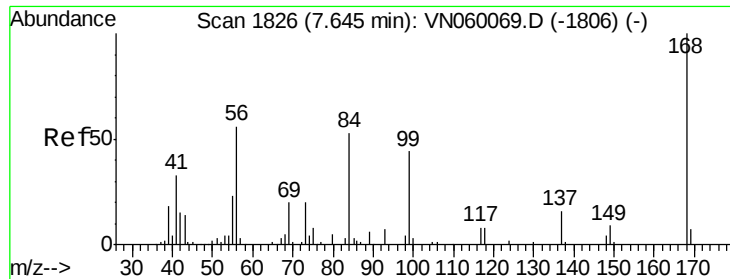
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021220\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

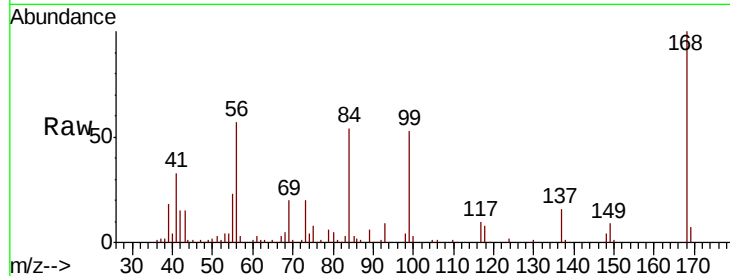
ClientSampleId :

Tot Ion:168 Resp: 199944

Ion Ratio Lower Upper

168 100

99 53.4 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

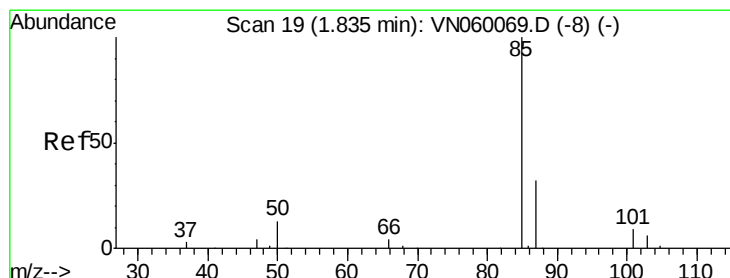
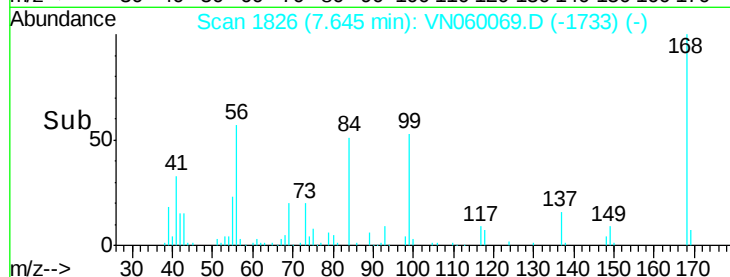
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.192 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060069.D

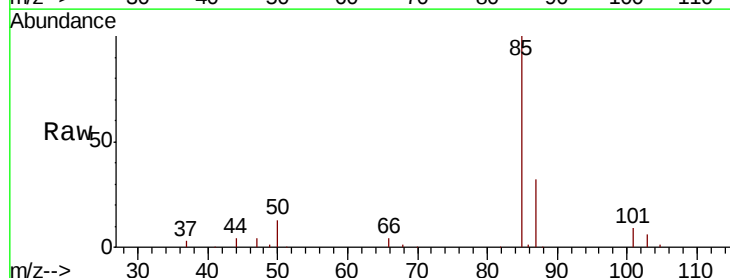
Acq: 12 Feb 2020 12:27

Tgt Ion: 85 Resp: 102142

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

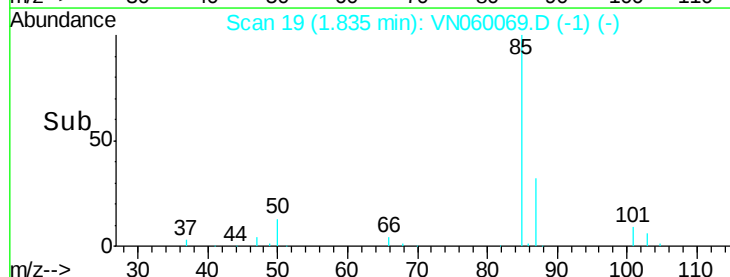
40000

20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 48.779 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

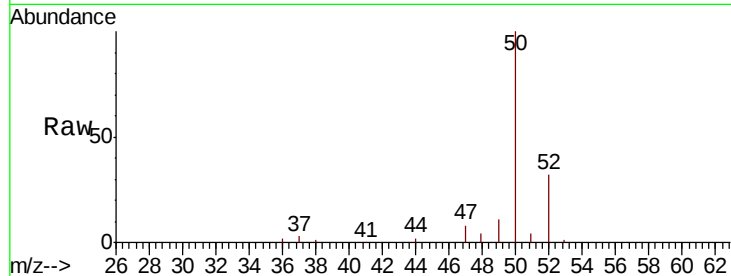
ClientSampled :

Tot Ion: 50 Resp: 117914

Ion Ratio Lower Upper

50 100

52 32.0 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

100000

80000

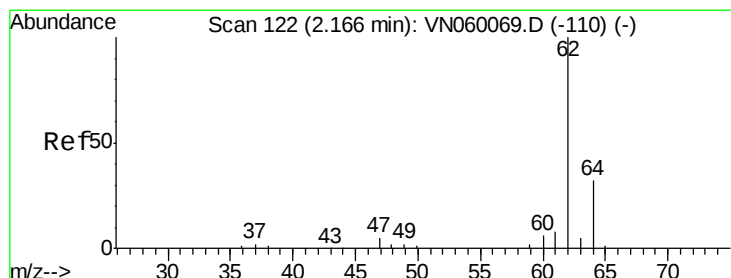
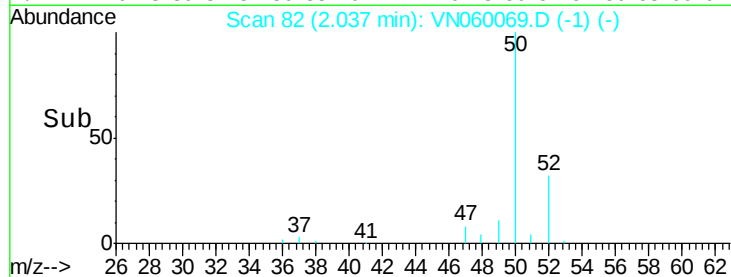
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.430 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060069.D

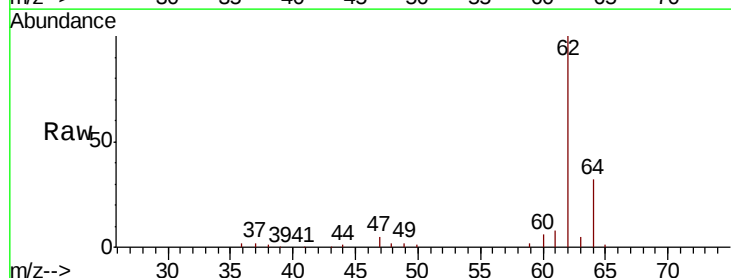
Acq: 12 Feb 2020 12:27

Tgt Ion: 62 Resp: 135579

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

100000

80000

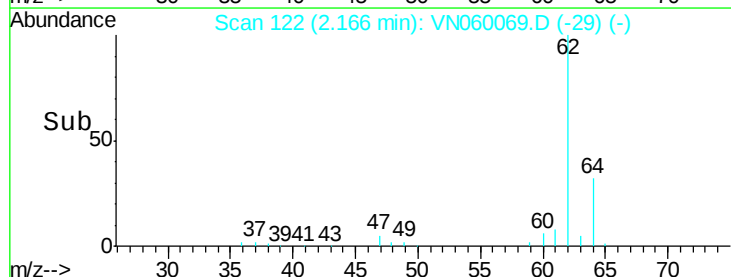
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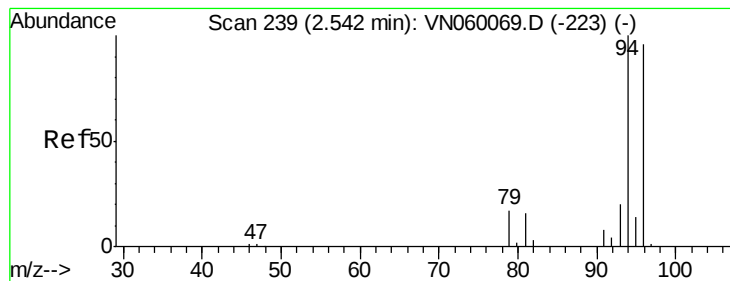
40000

20000

0

Time-->





#5

Bromomethane

Concen: 43.324 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

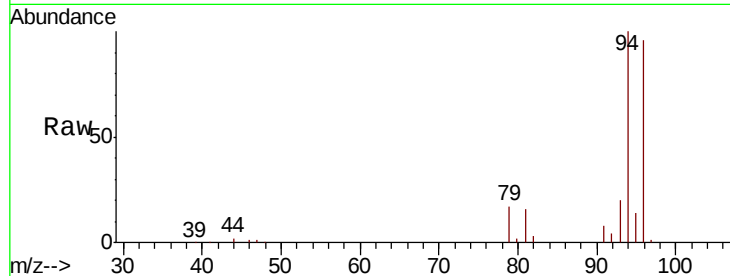
ClientSampleId :

Tot Ion: 94 Resp: 78808

Ion Ratio Lower Upper

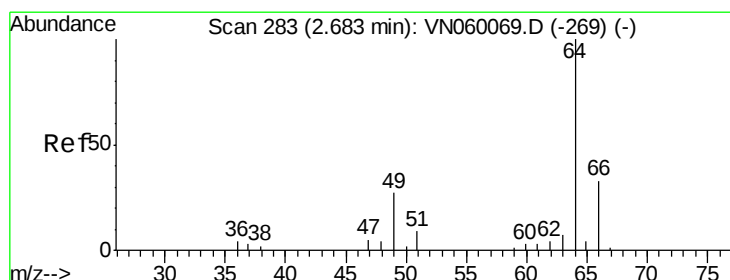
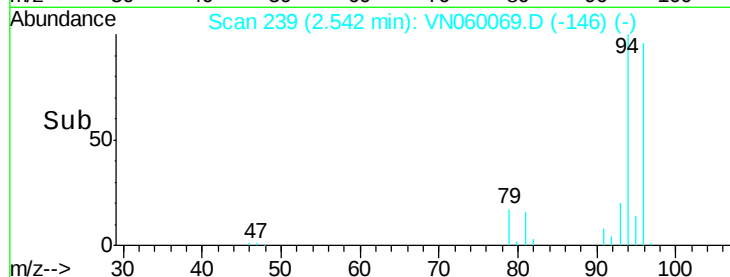
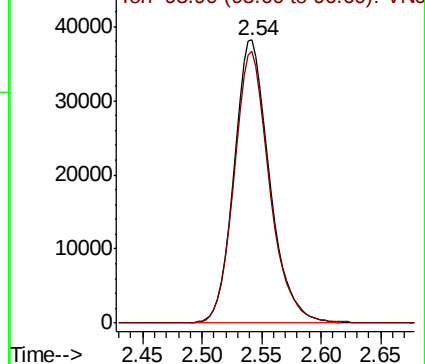
94 100

96 95.9 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.308 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060069.D

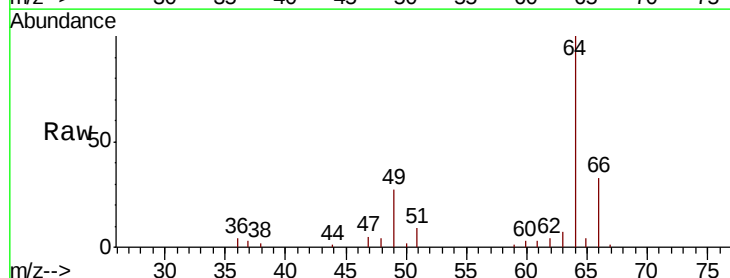
Acq: 12 Feb 2020 12:27

Tgt Ion: 64 Resp: 65289

Ion Ratio Lower Upper

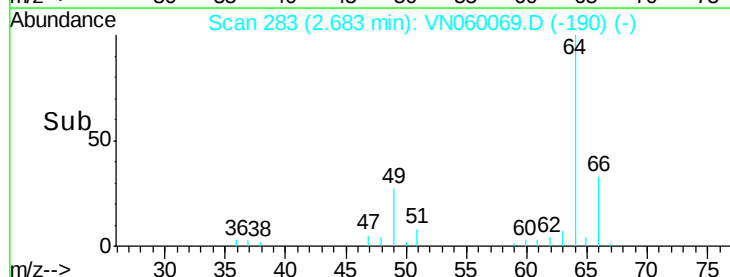
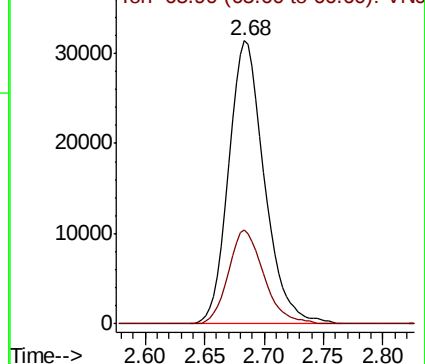
64 100

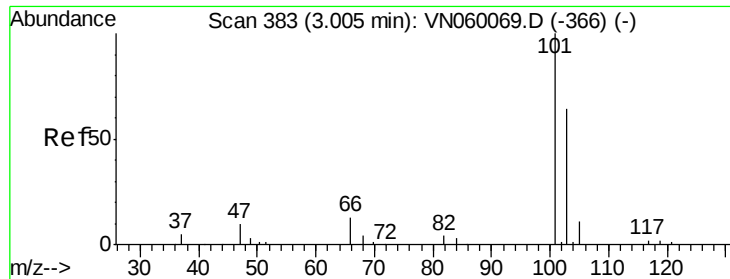
66 33.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



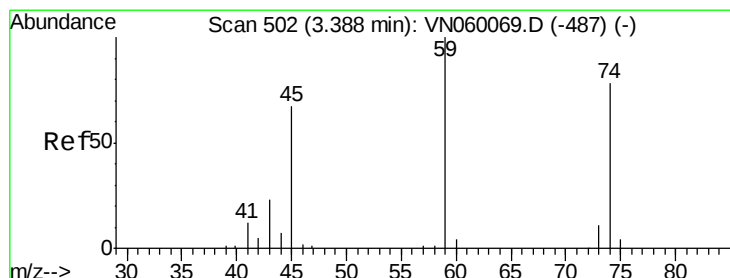
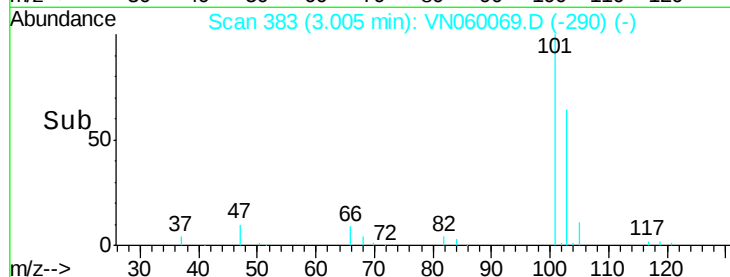
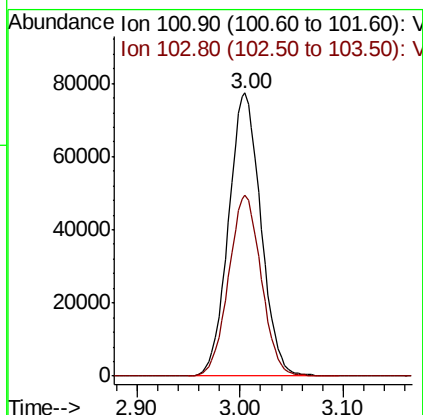
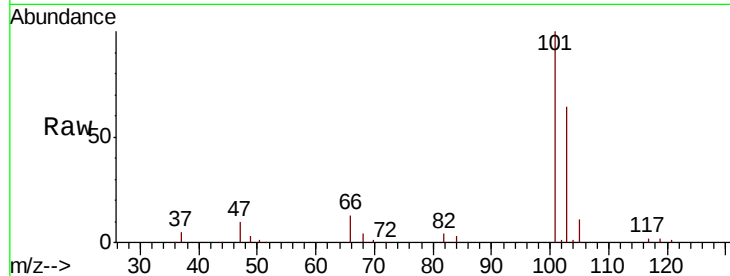


#7

Trichlorofluoromethane
Concen: 47.911 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Instrument :
MSVOA_N
ClientSampled :

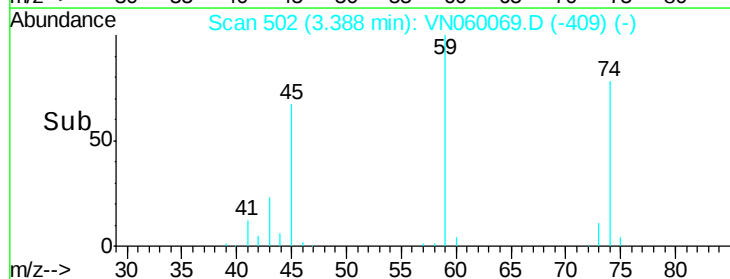
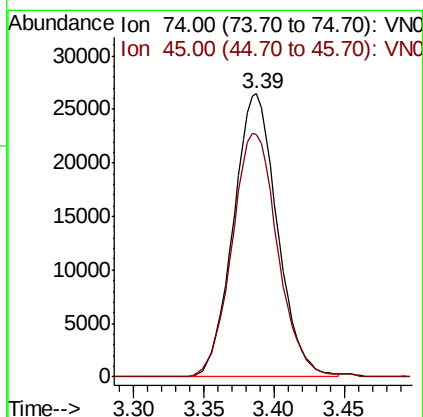
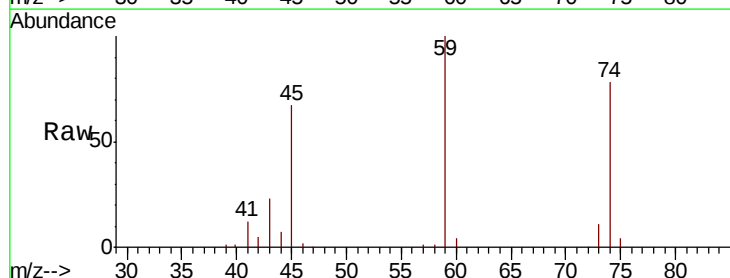
Tot Ion:101 Resp: 169033
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6

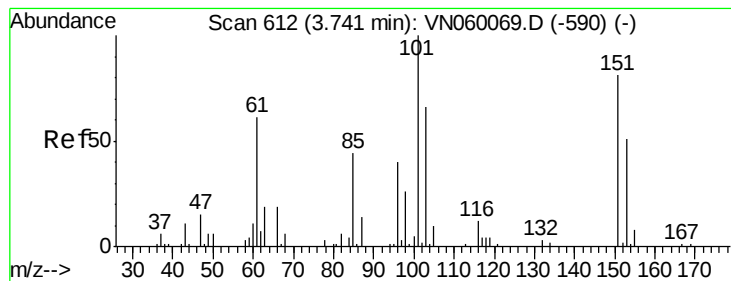


#8

Diethyl Ether
Concen: 49.977 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 74 Resp: 57544
Ion Ratio Lower Upper
74 100
45 89.4 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.060 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

ClientSampled :

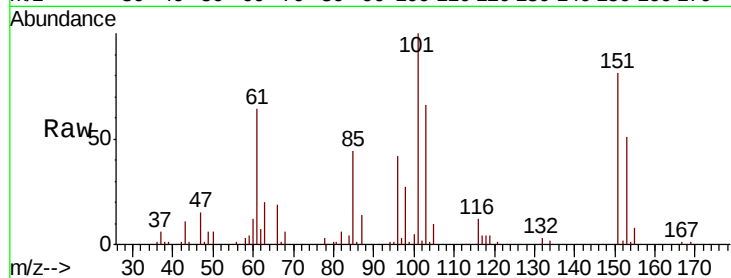
Tot Ion:101 Resp: 94248

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

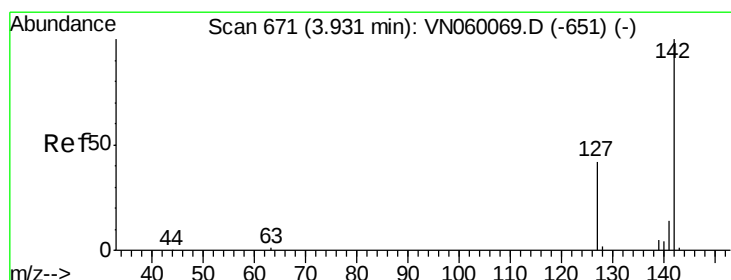
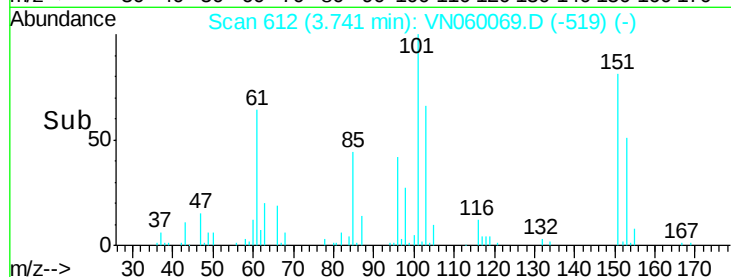
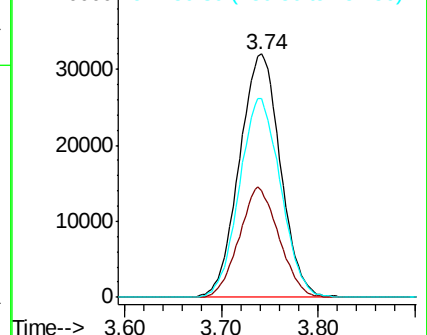
151 82.2 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 58.062 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

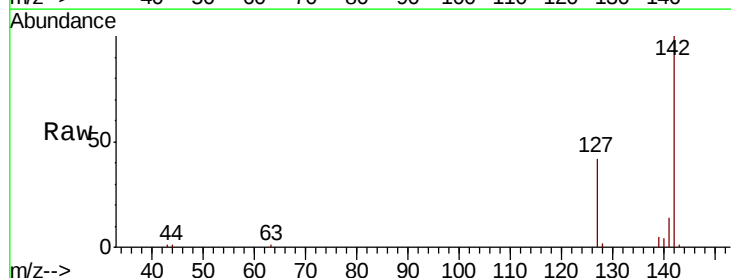
Tgt Ion:142 Resp: 128299

Ion Ratio Lower Upper

142 100

127 42.0 33.6 50.4

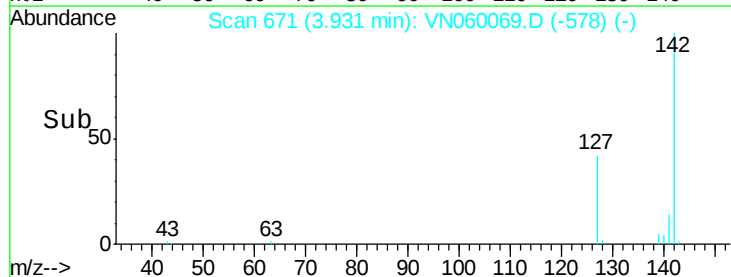
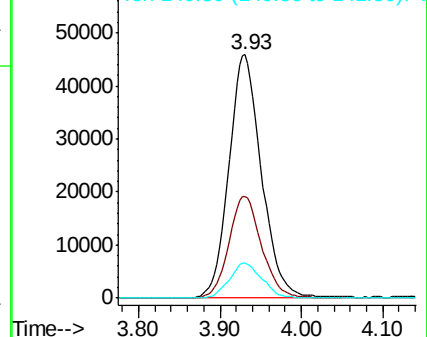
141 14.3 11.4 17.2

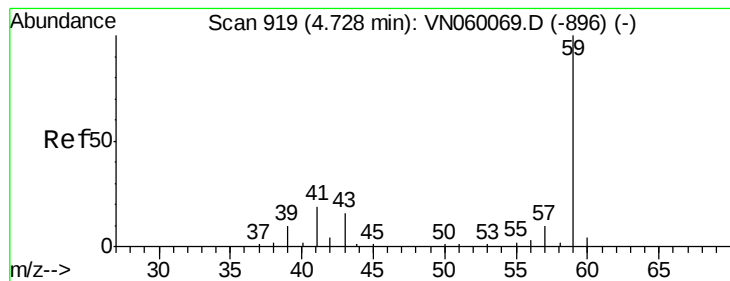


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



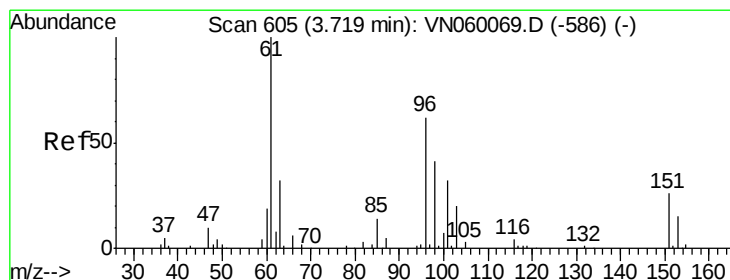
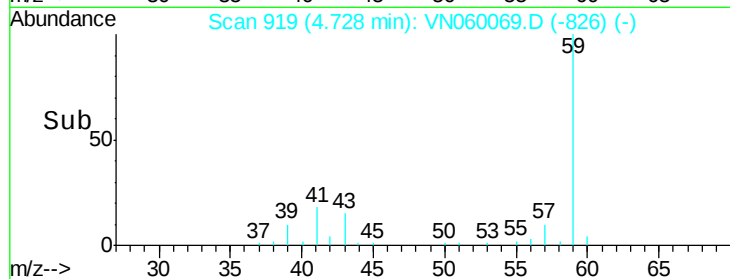
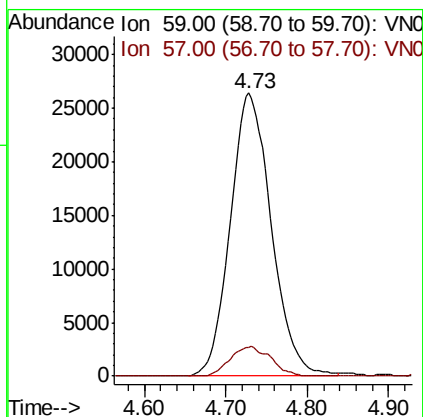
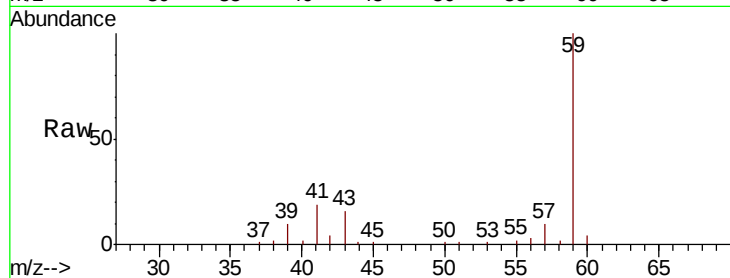


#11

Tert butyl alcohol
Concen: 262.918 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Instrument :
MSVOA_N
ClientSampled :

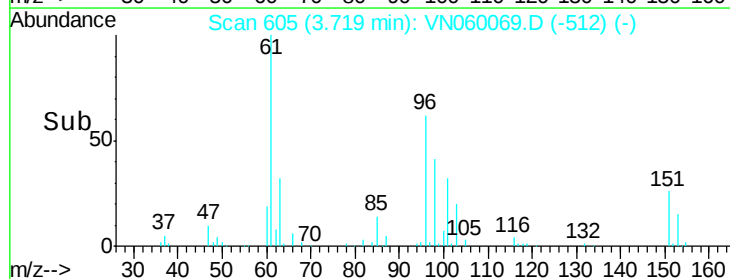
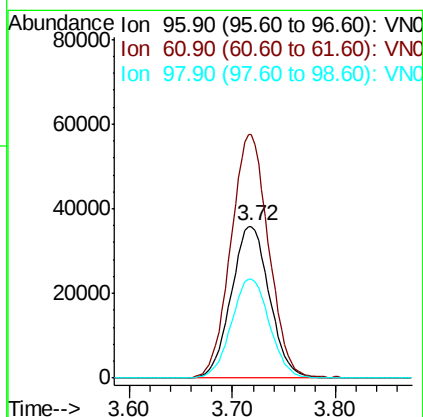
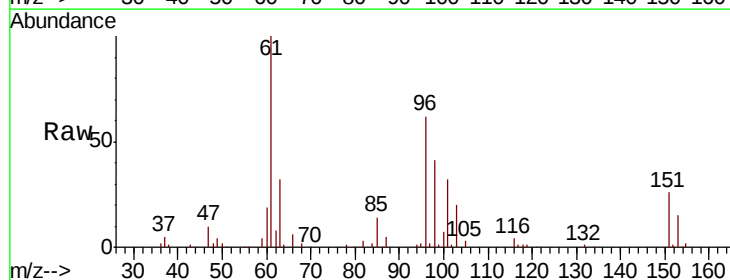
Tot Ion: 59 Resp: 92214
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

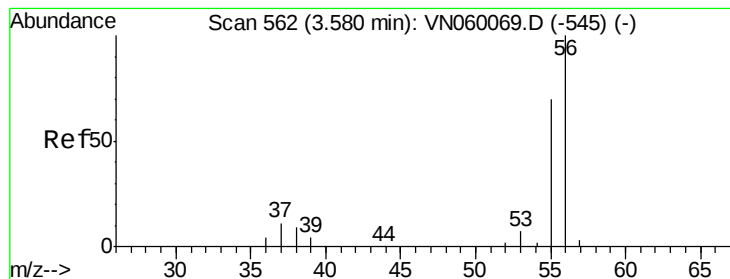


#12

1,1-Dichloroethene
Concen: 49.172 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 96 Resp: 92252
Ion Ratio Lower Upper
96 100
61 160.4 128.3 192.5
98 65.3 52.2 78.4





#13

Acrolein

Concen: 264.382 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

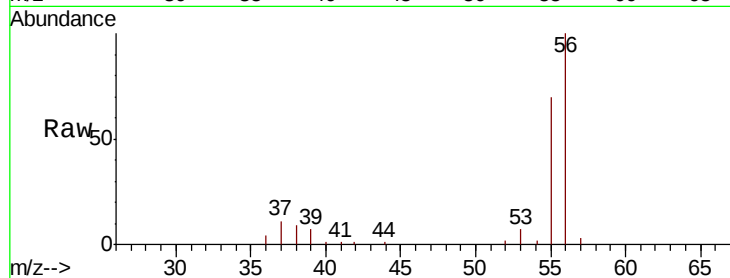
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 89565

Ion Ratio Lower Upper

56 100

55 68.5 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-545) (-)

3.58

40000

30000

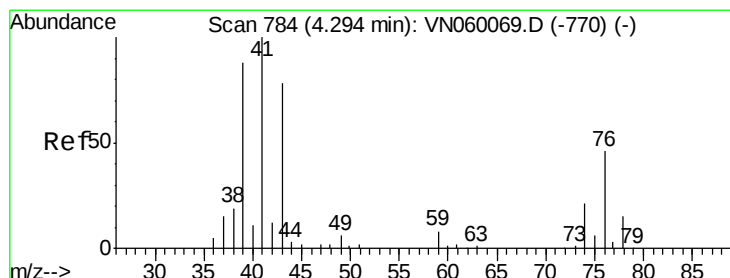
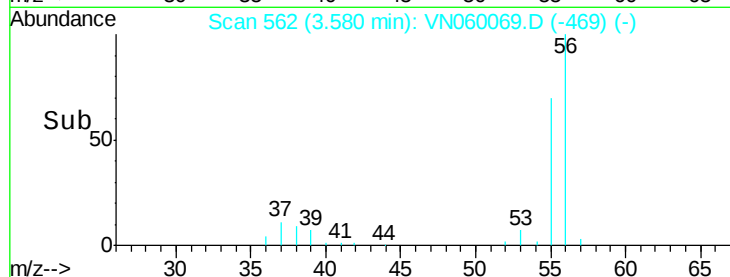
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 46.657 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

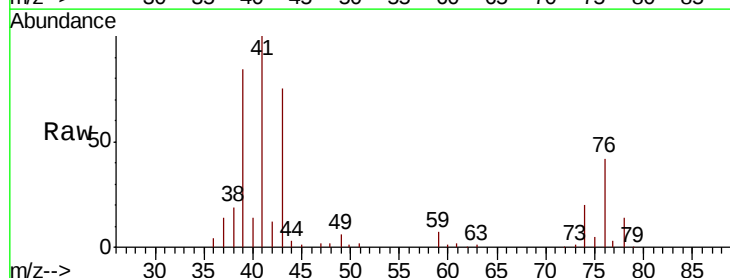
Tgt Ion: 41 Resp: 130469

Ion Ratio Lower Upper

41 100

39 84.8 67.8 101.8

76 42.4 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-770) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN060069.D (-770) (-)

4.29

60000

50000

40000

30000

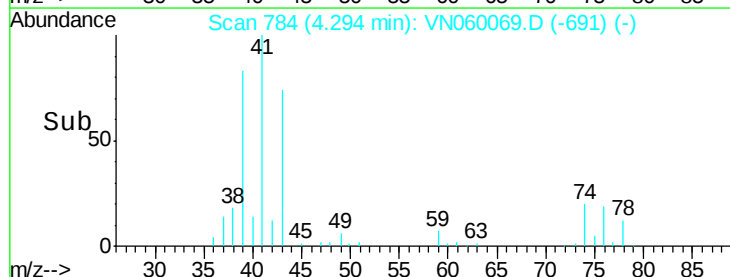
20000

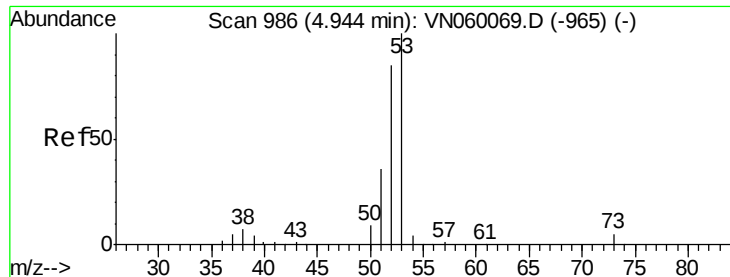
10000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 273.177 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

ClientSampleId :

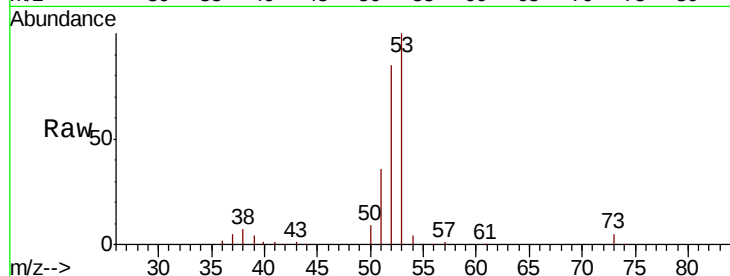
Tot Ion: 53 Resp: 231634

Ion Ratio Lower Upper

53 100

52 83.5 66.8 100.2

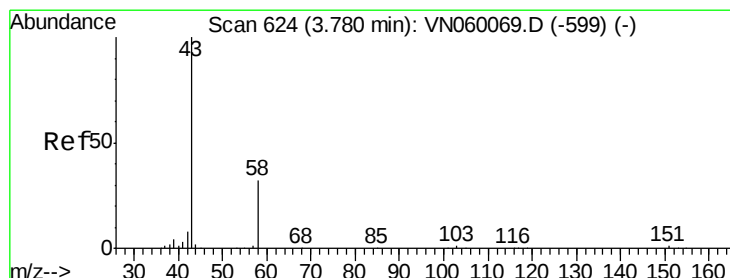
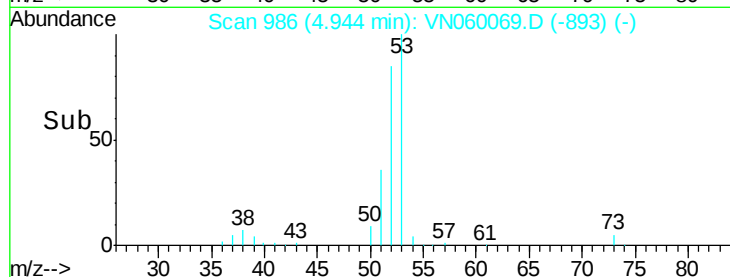
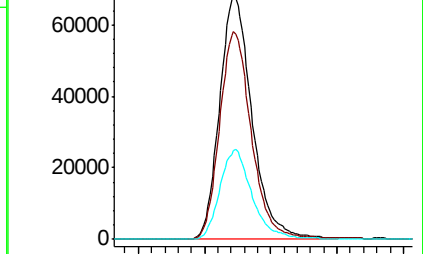
51 36.7 29.4 44.0



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

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

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



#16

Acetone

Concen: 313.847 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060069.D

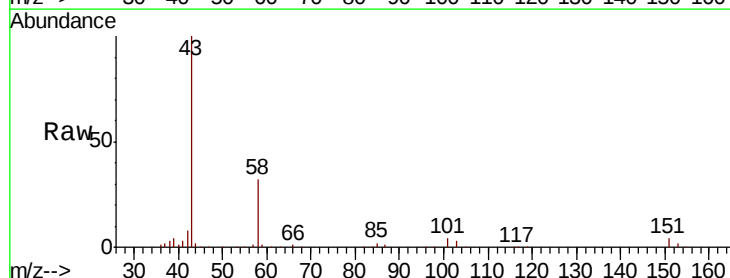
Acq: 12 Feb 2020 12:27

Tgt Ion: 43 Resp: 280430

Ion Ratio Lower Upper

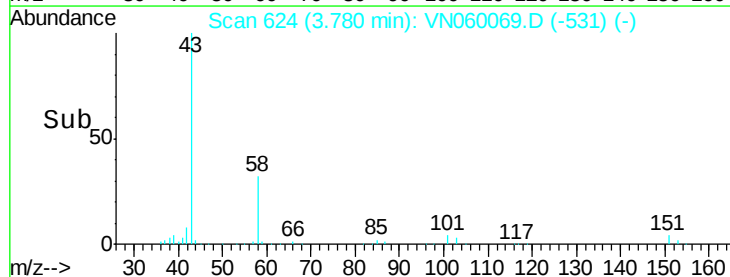
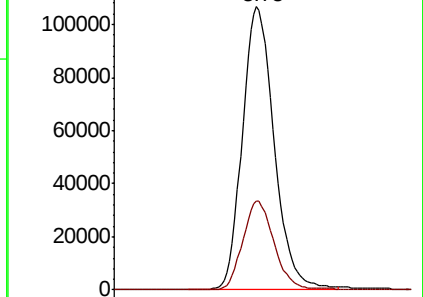
43 100

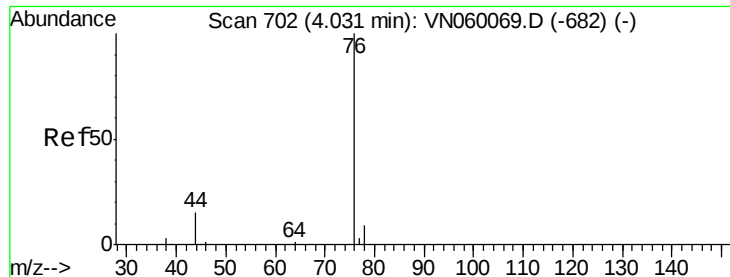
58 31.5 25.2 37.8



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

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

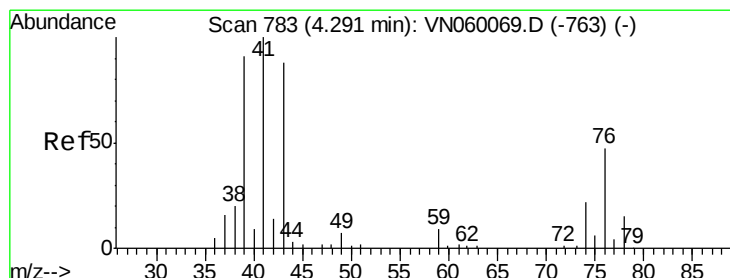
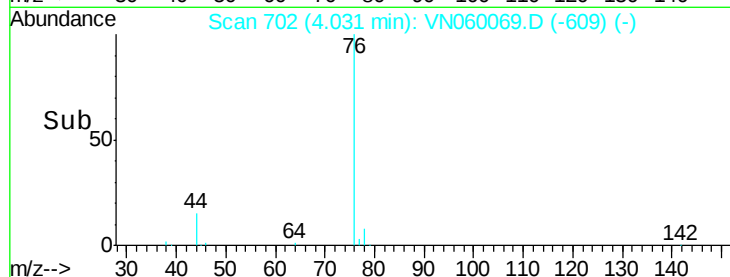
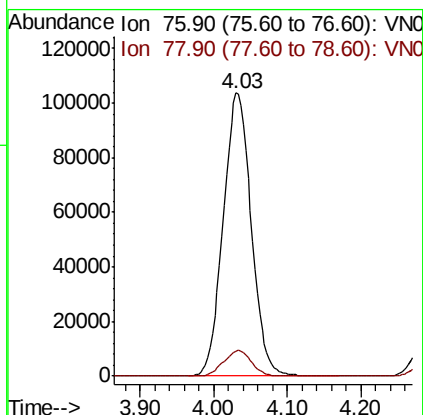
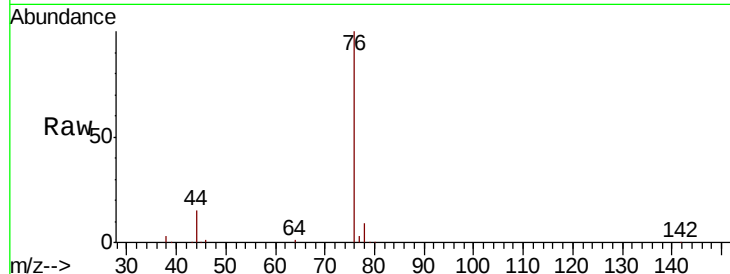




#17
Carbon Disulfide
Concen: 48.044 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

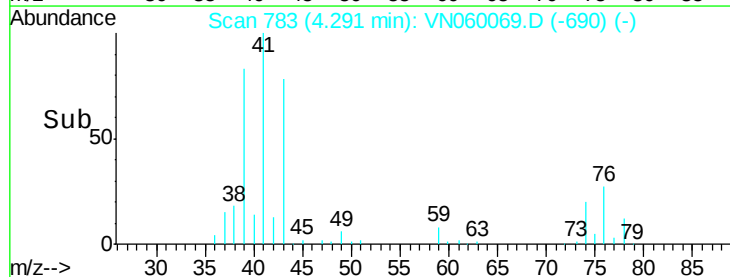
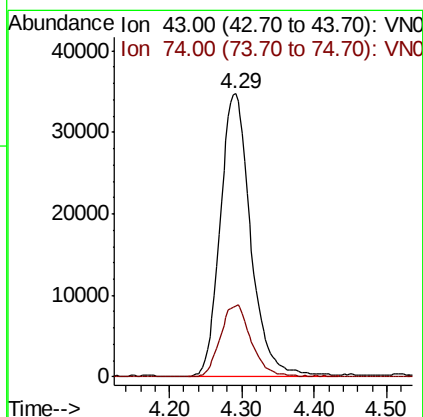
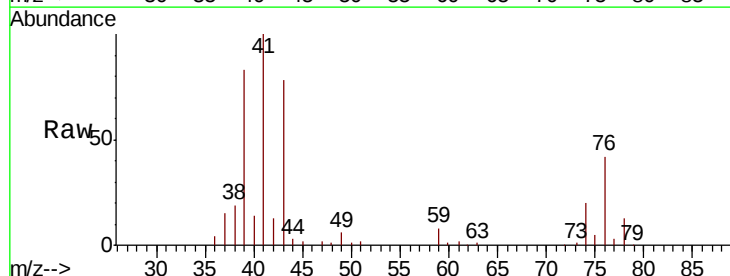
Instrument :
MSVOA_N
ClientSampled :

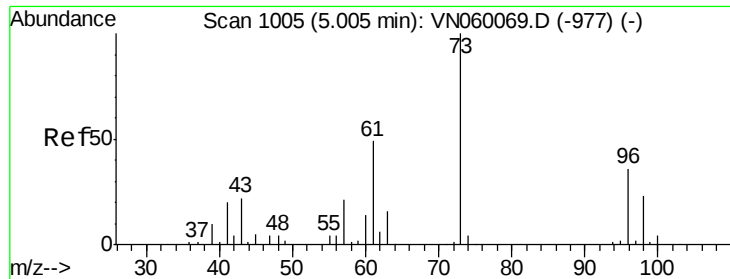
Tot Ion: 76 Resp: 274388
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 52.603 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 43 Resp: 102028
Ion Ratio Lower Upper
43 100
74 25.4 20.3 30.5

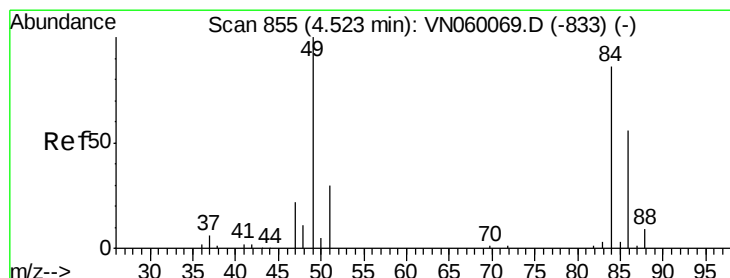
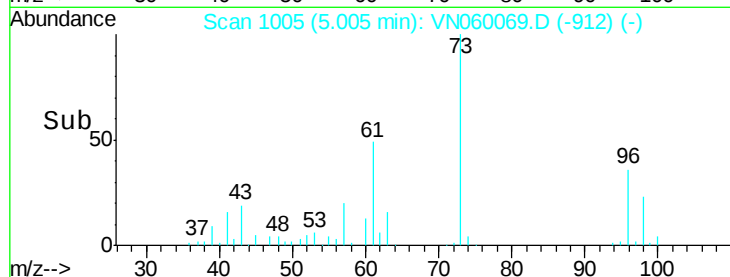
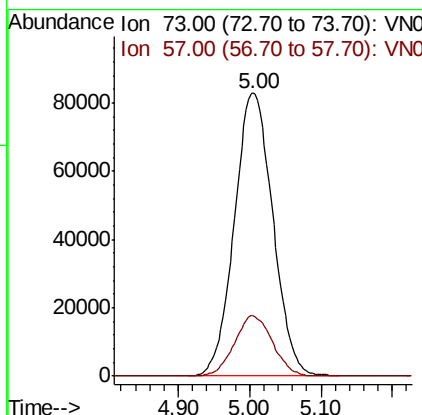
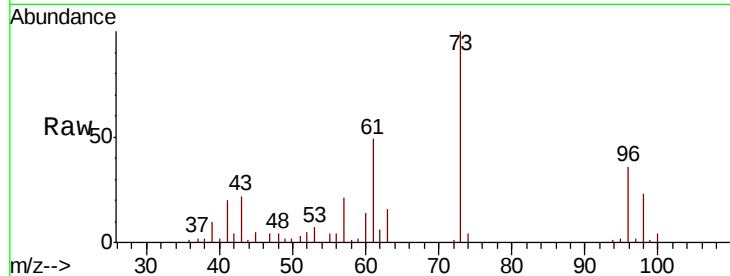




#19
Methvl tert-butvl Ether
Concen: 49.233 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

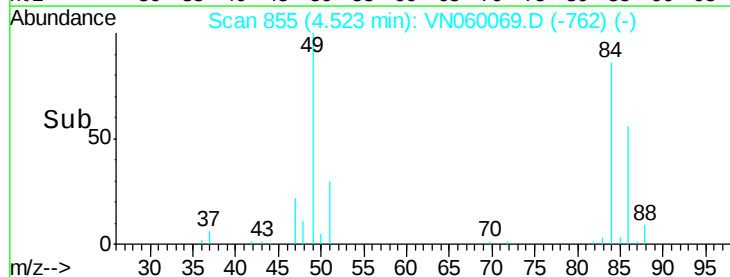
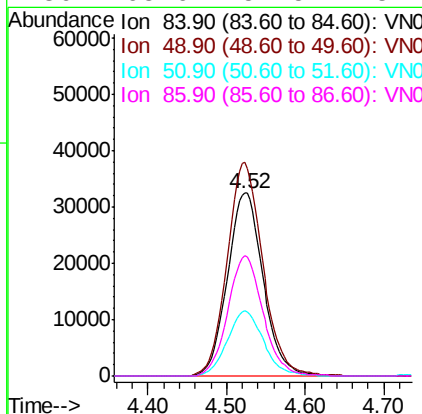
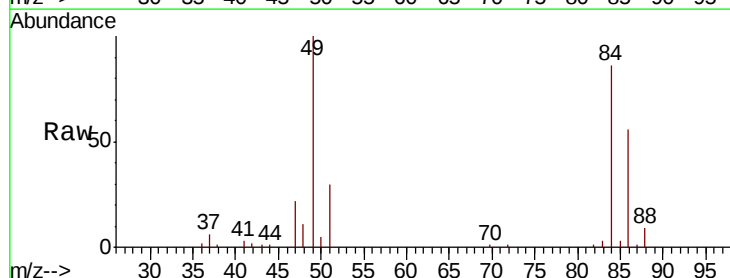
Instrument :
MSVOA_N
ClientSampled :

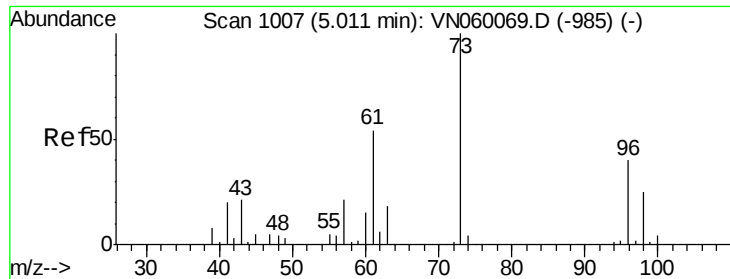
Tot Ion: 73 Resp: 311139
Ion Ratio Lower Upper
73 100
57 21.5 17.2 25.8



#20
Methylene Chloride
Concen: 48.397 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 84 Resp: 102727
Ion Ratio Lower Upper
84 100
49 116.7 93.4 140.0
51 35.5 28.4 42.6
86 65.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 55.369 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :
MSVOA_N
ClientSampled :

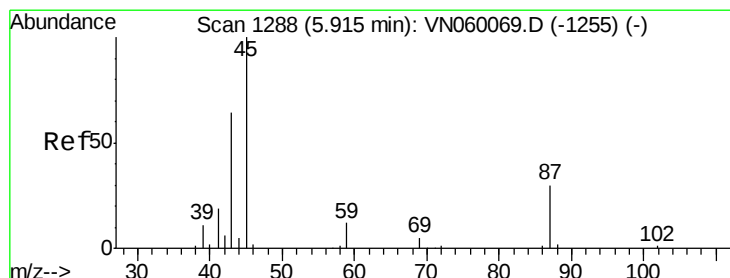
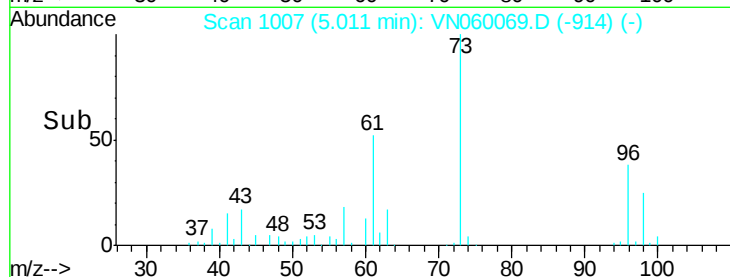
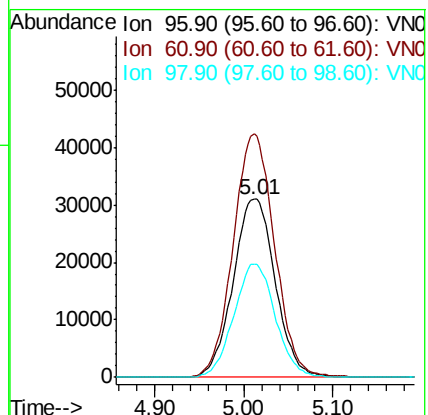
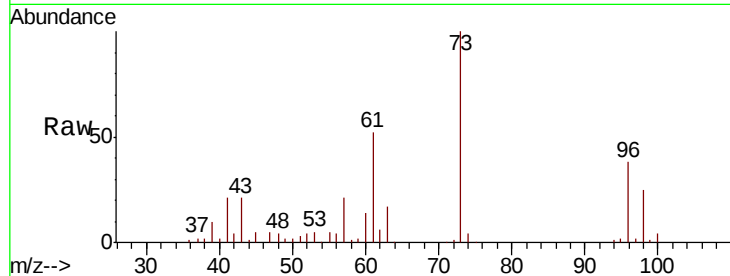
Tot Ion: 96 Resp: 101756

Ion Ratio Lower Upper

96 100

61 136.6 109.3 163.9

98 63.8 51.0 76.6



#22

Diisopropyl ether

Concen: 50.121 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Tgt Ion: 45 Resp: 299184

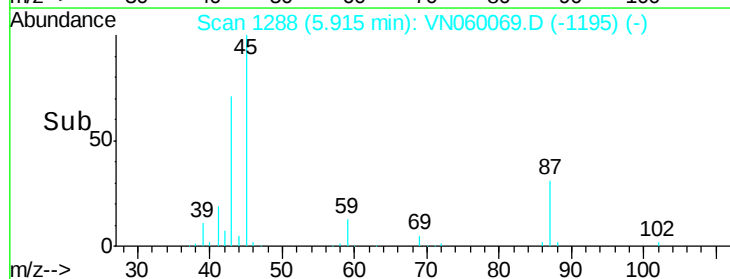
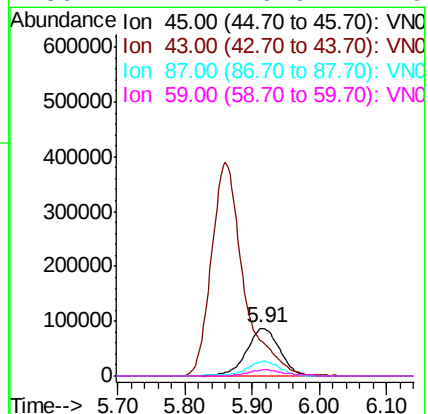
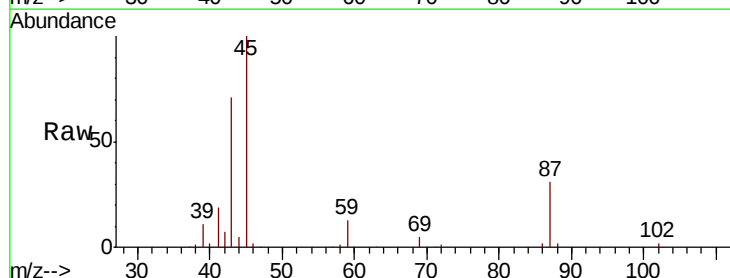
Ion Ratio Lower Upper

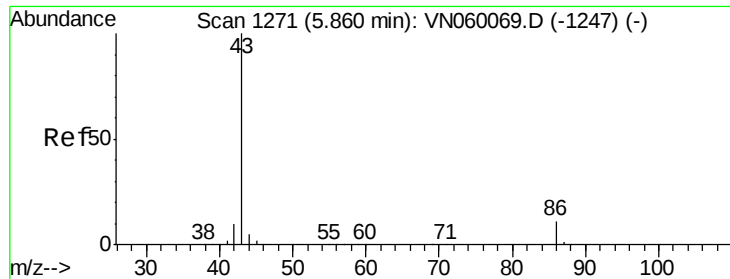
45 100

43 69.9 55.9 83.9

87 30.6 24.5 36.7

59 12.4 9.9 14.9





#23

Vinyl Acetate

Concen: 262.843 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

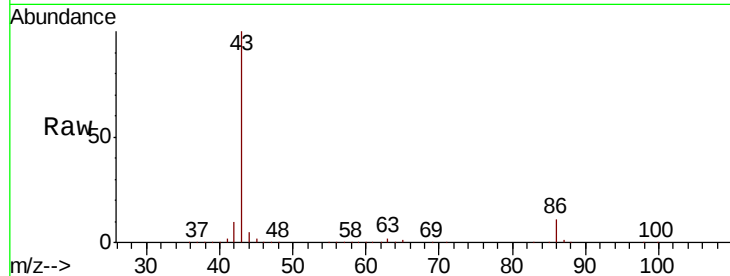
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1300925

Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN060069.D (-1247) (-)

5.86

400000

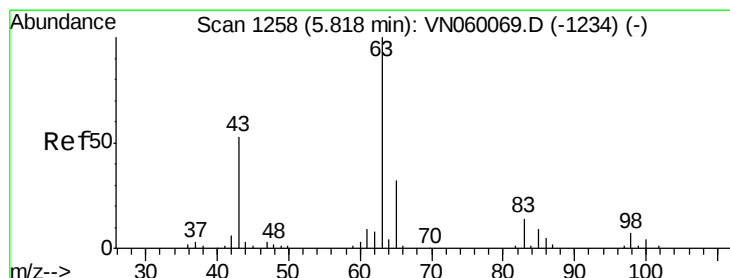
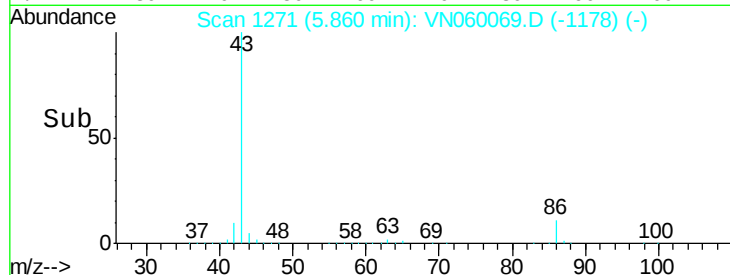
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.156 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

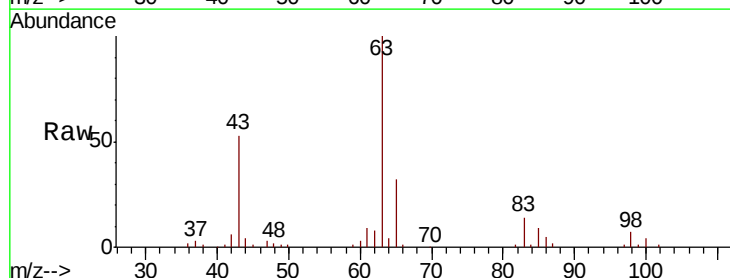
Tgt Ion: 63 Resp: 181233

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN060069.D (-1234) (-)

5.82

80000

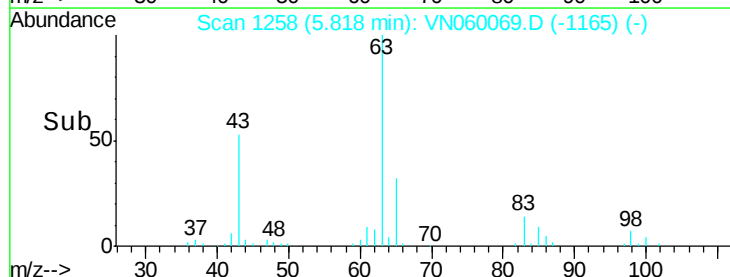
60000

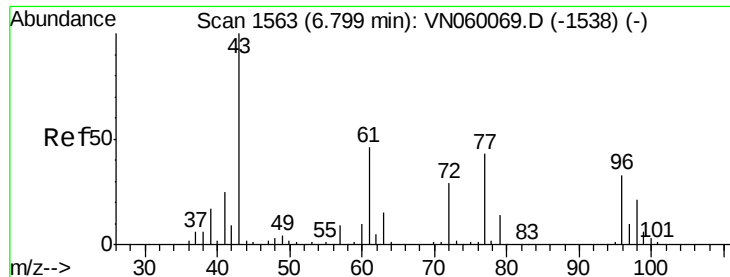
40000

20000

0

Time-->

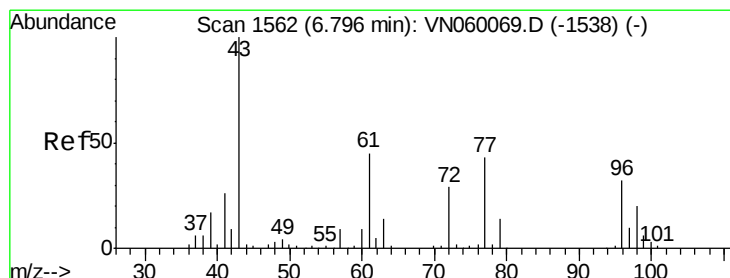
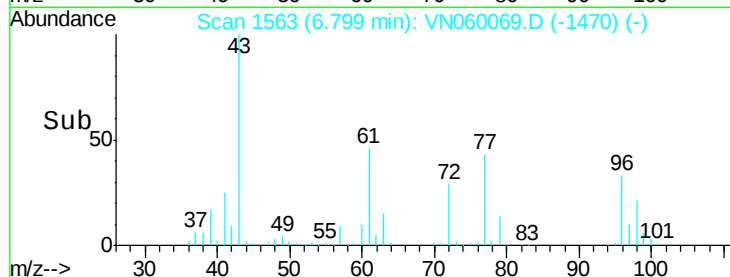
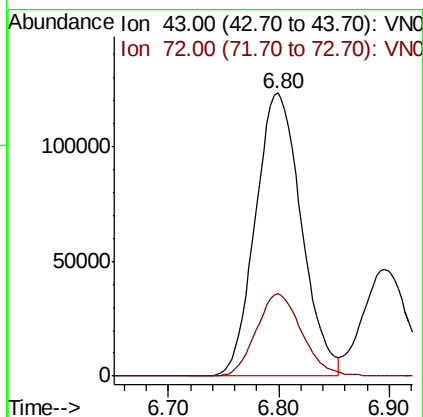
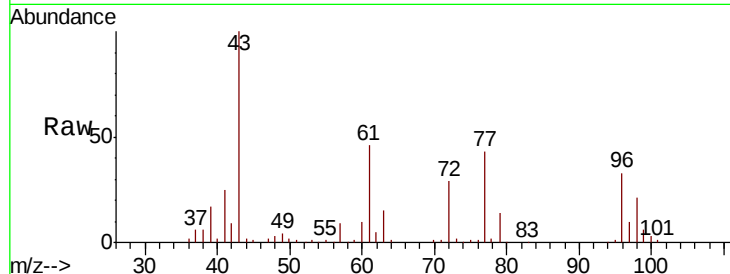




#25
2-Butanone
Concen: 276.608 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

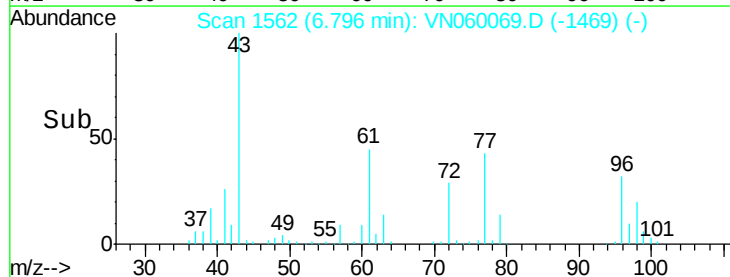
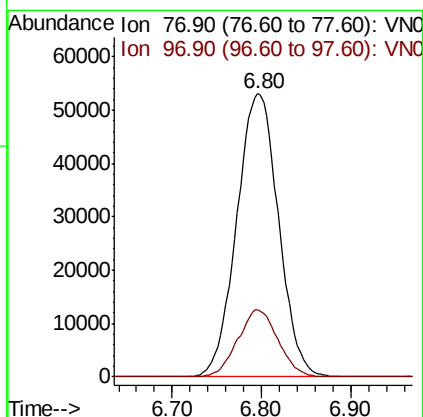
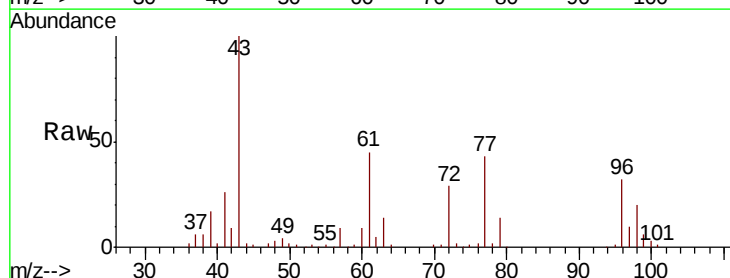
Instrument :
MSVOA_N
ClientSampled :

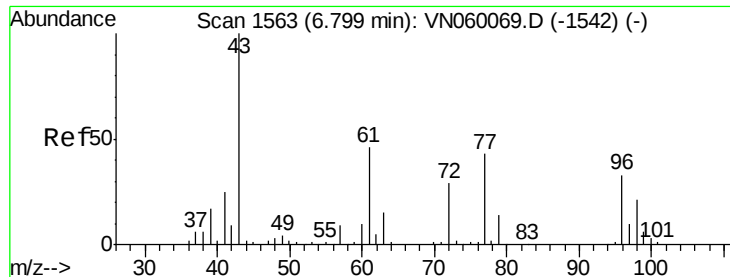
Tot Ion: 43 Resp: 355523
Ion Ratio Lower Upper
43 100
72 29.1 23.3 34.9



#26
2,2-Dichloropropane
Concen: 49.247 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 77 Resp: 172970
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 55.255 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :
MSVOA_N
ClientSampled :

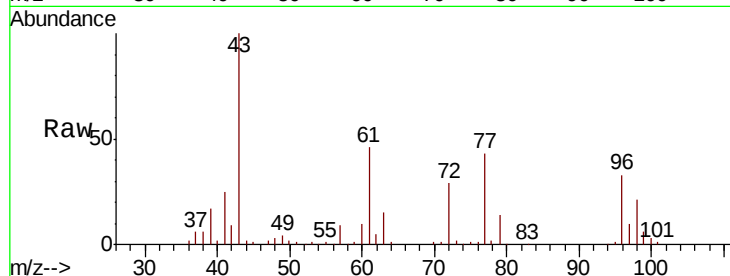
Tot Ion: 96 Resp: 117693

Ion Ratio Lower Upper

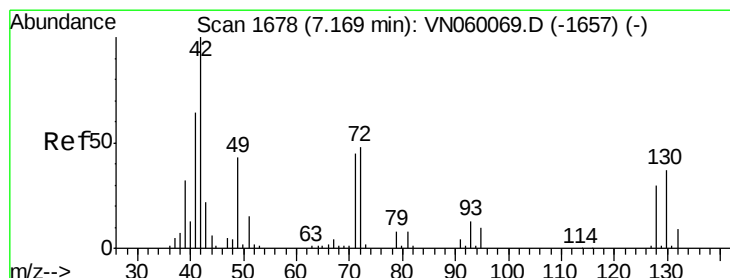
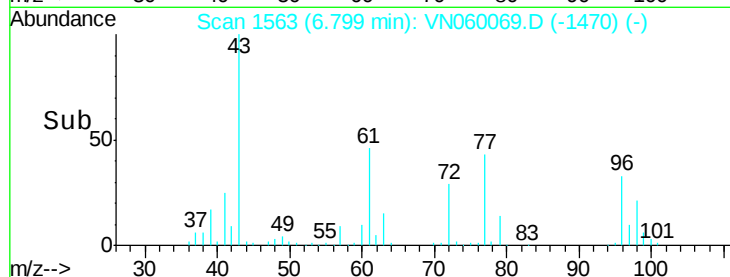
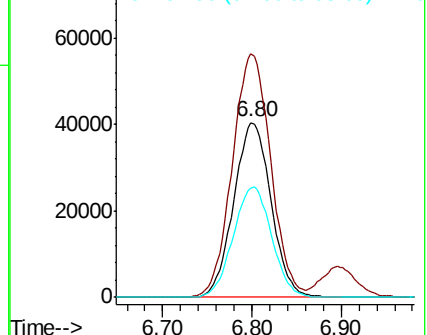
96 100

61 142.9 0.0 285.8

98 64.8 0.0 129.6



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



#28

Bromochloromethane

Concen: 55.794 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

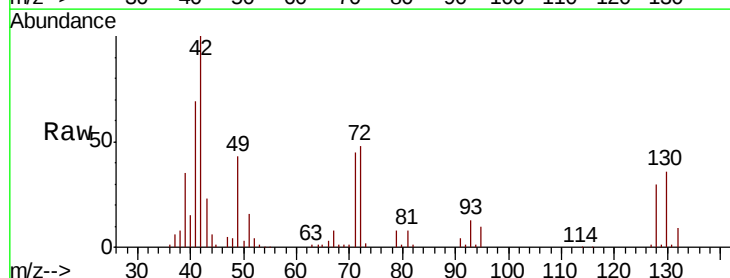
Tgt Ion: 49 Resp: 71888

Ion Ratio Lower Upper

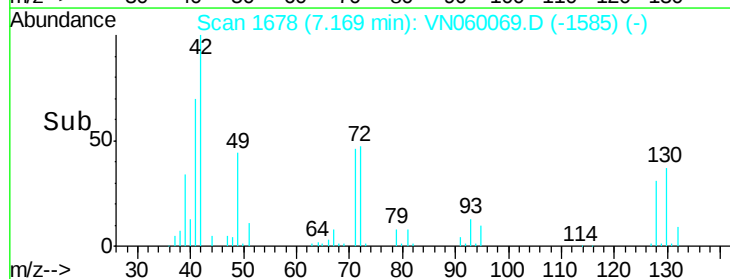
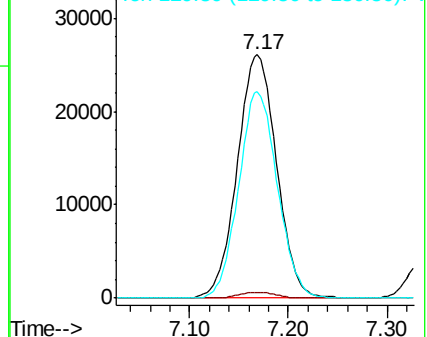
49 100

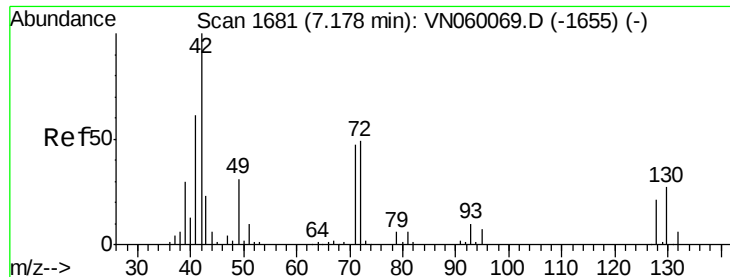
129 1.1 0.0 2.2

130 83.5 66.8 100.2



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

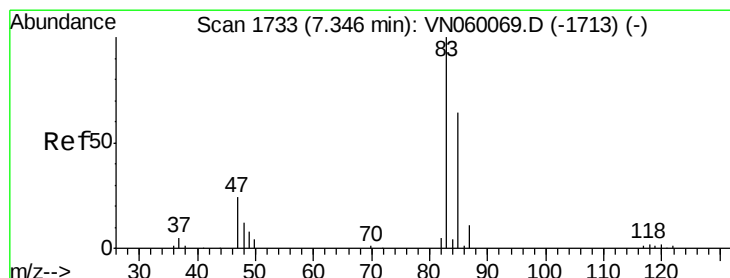
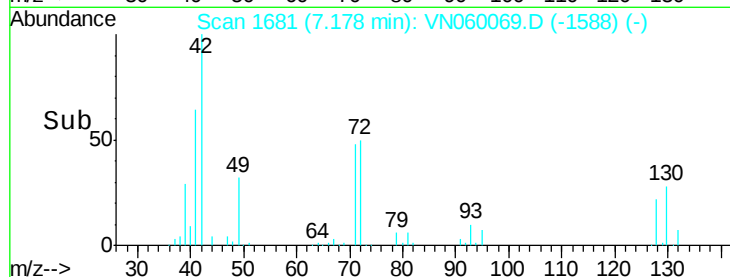
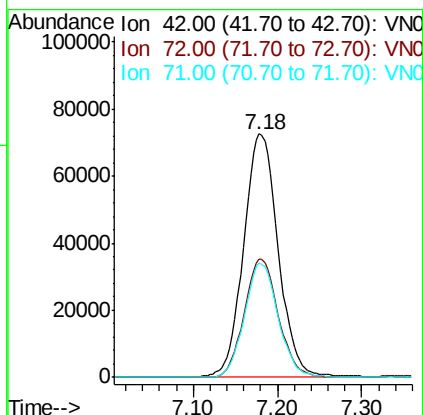
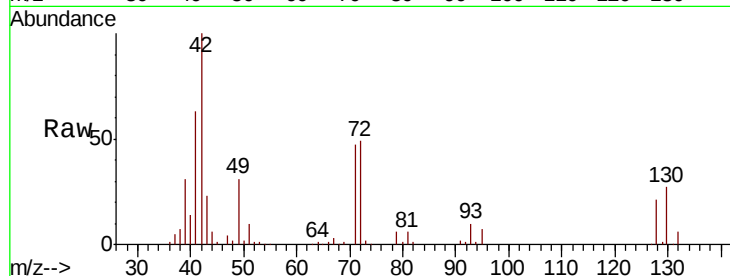




#29
Tetrahydrofuran
Concen: 260.324 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

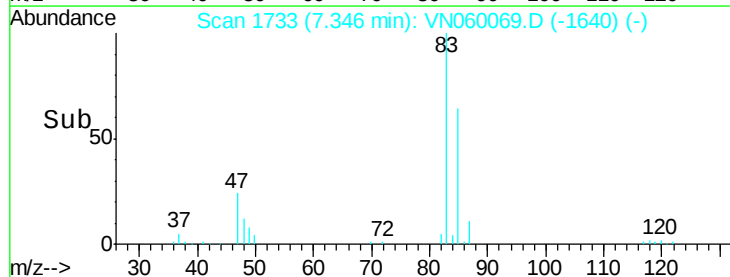
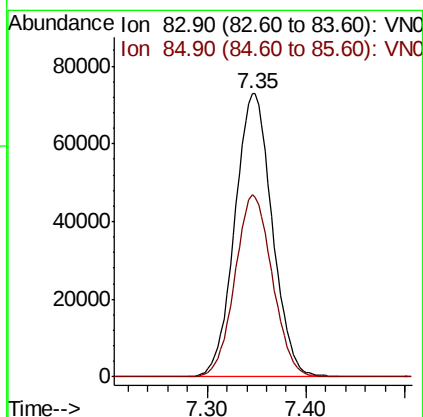
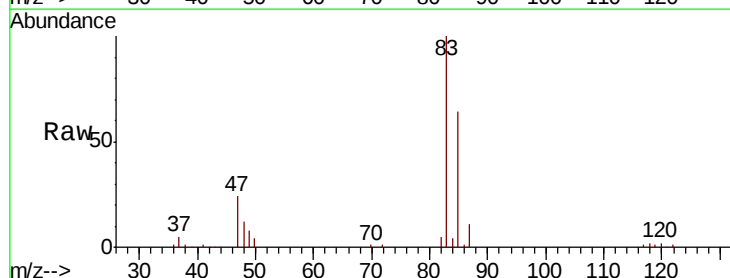
Instrument :
MSVOA_N
ClientSampleId :

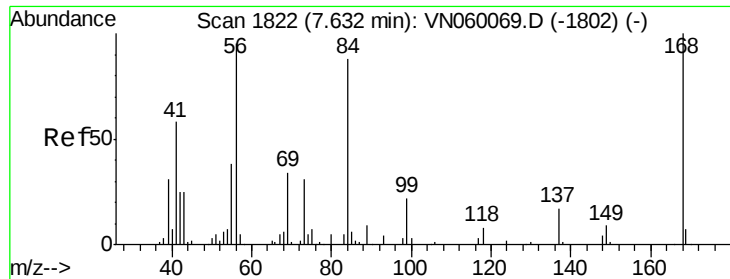
Tot Ion: 42 Resp: 206844
Ion Ratio Lower Upper
42 100
72 47.8 38.2 57.4
71 45.7 36.6 54.8



#30
Chloroform
Concen: 49.516 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 83 Resp: 191387
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.0

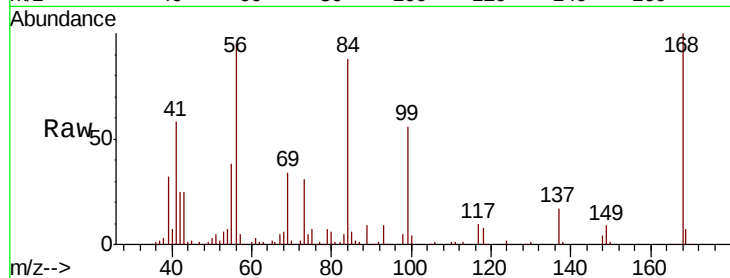




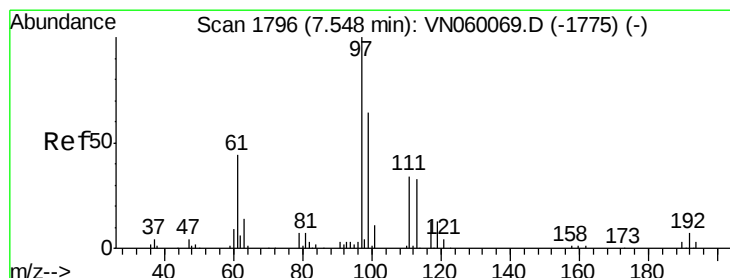
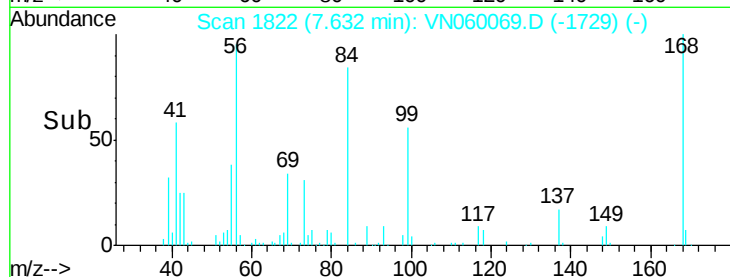
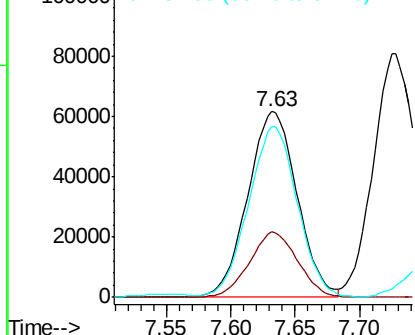
#31
Cyclohexane
Concen: 46.521 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 164249
Ion Ratio Lower Upper
56 100
69 35.4 28.3 42.5
84 90.7 72.6 108.8

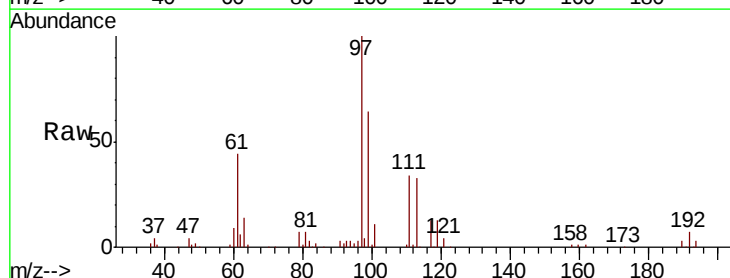


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

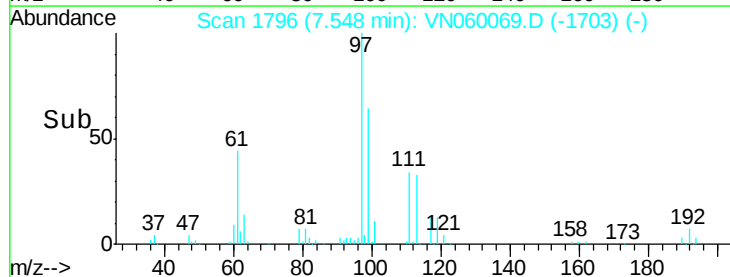
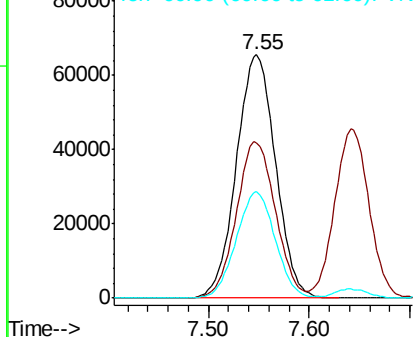


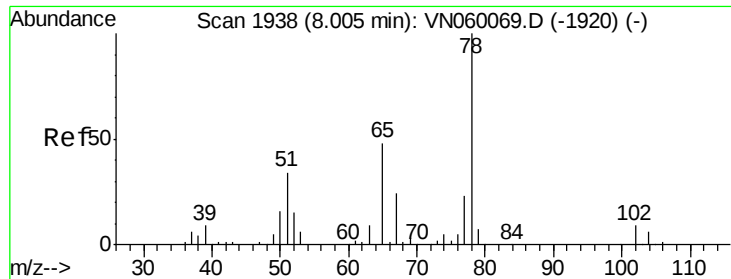
#32
1,1,1-Trichloroethane
Concen: 50.048 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 97 Resp: 176294
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 43.6 34.9 52.3



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





#33

1,2-Dichloroethane-d4

Concen: 50.561 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

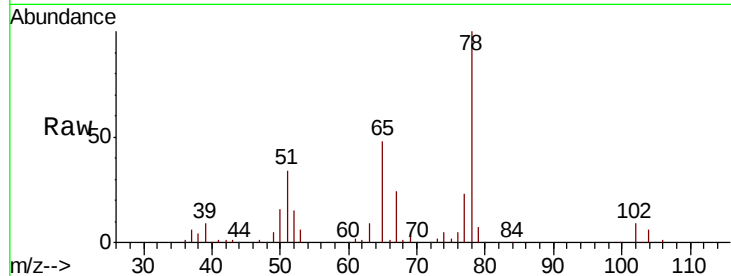
ClientSampleId :

Tot Ion: 65 Resp: 121213

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN060069.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060069.D (-1920) (-)

8.00

50000

40000

30000

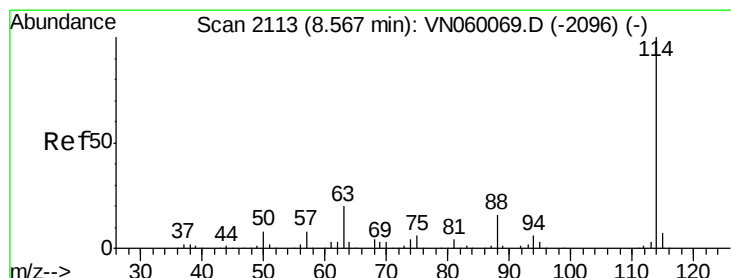
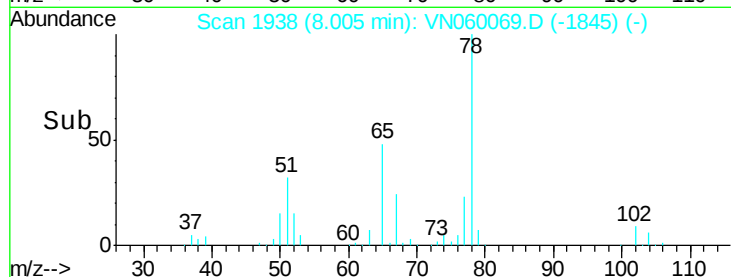
20000

10000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

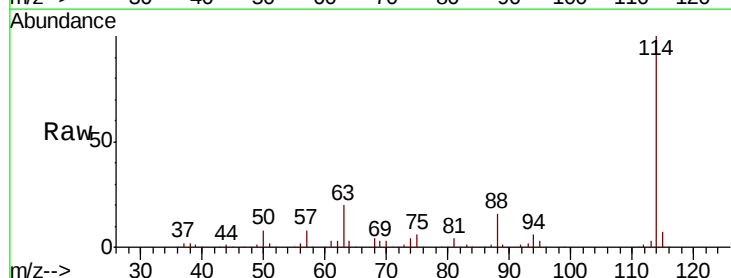
Tgt Ion: 114 Resp: 315647

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.8 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060069.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN060069.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN060069.D (-2096) (-)

8.57

200000

150000

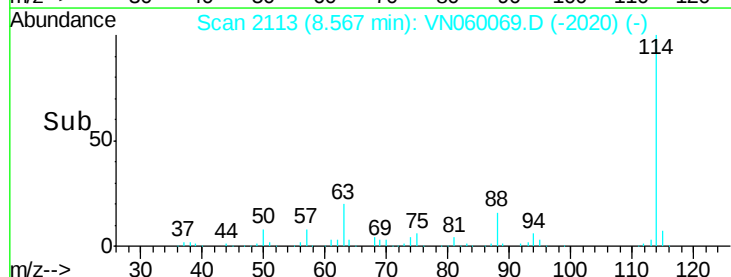
100000

50000

0

Time-->

8.50 8.55 8.60 8.65 8.70





#35

Dibromofluoromethane

Concen: 52.846 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :
MSVOA_N
ClientSampled :

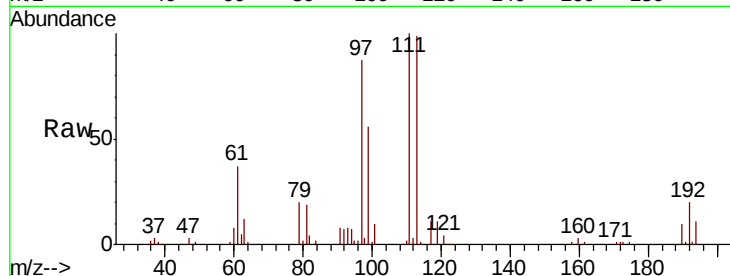
Tot Ion:113 Resp: 99500

Ion Ratio Lower Upper

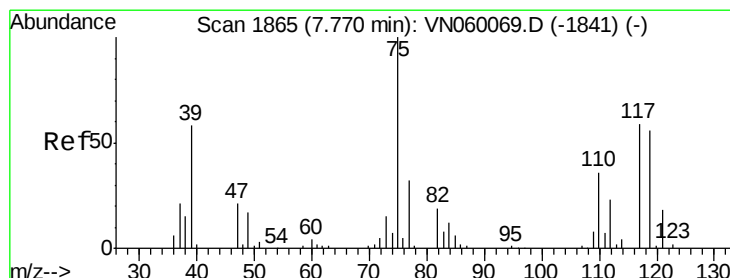
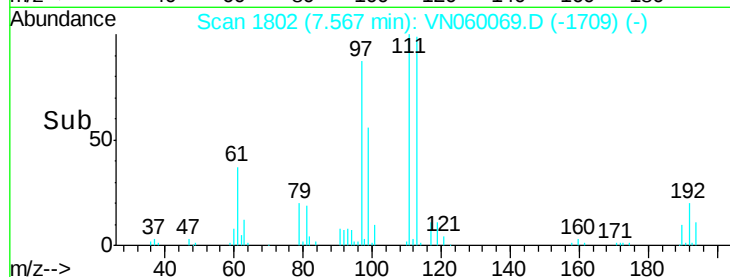
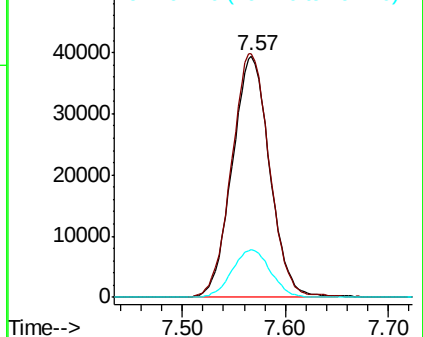
113 100

111 101.8 81.4 122.2

192 20.2 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: 49.205 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

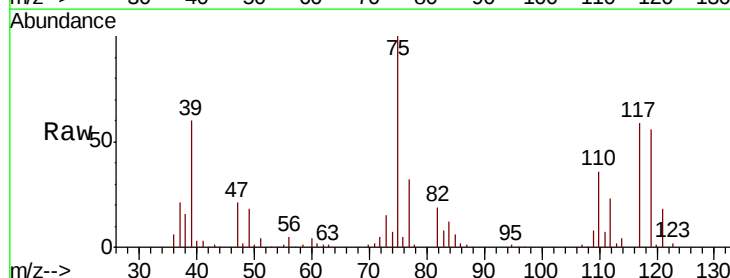
Tgt Ion: 75 Resp: 143765

Ion Ratio Lower Upper

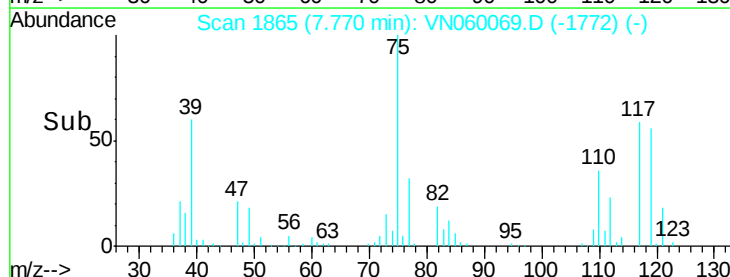
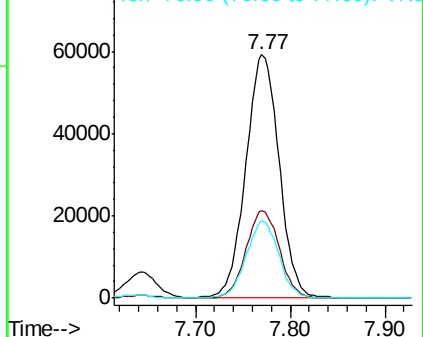
75 100

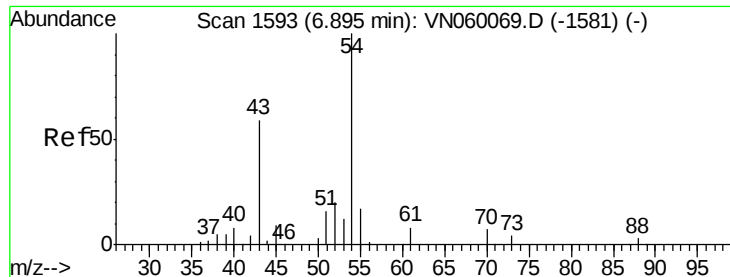
110 36.2 18.1 54.3

77 31.4 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

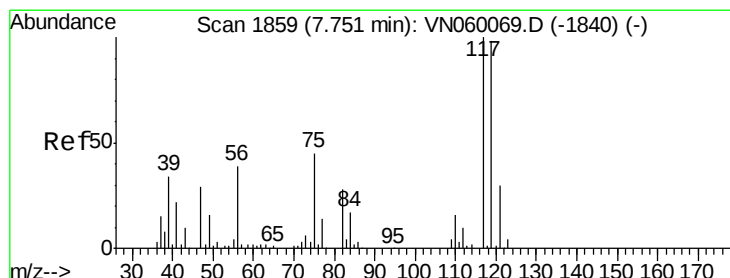
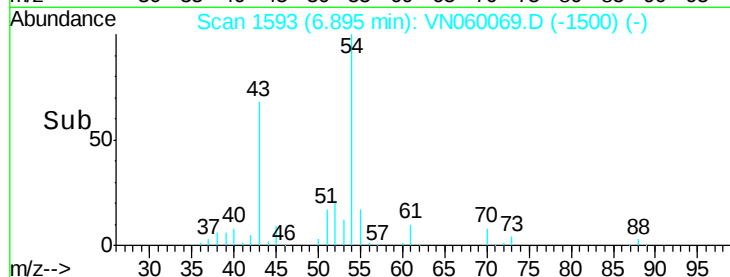
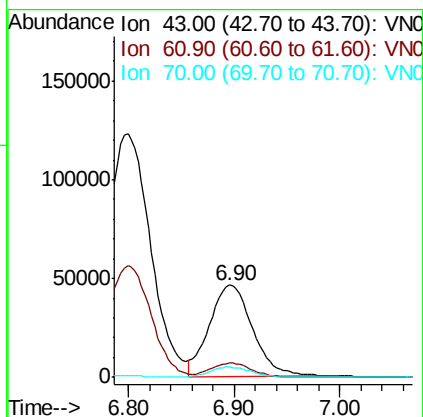
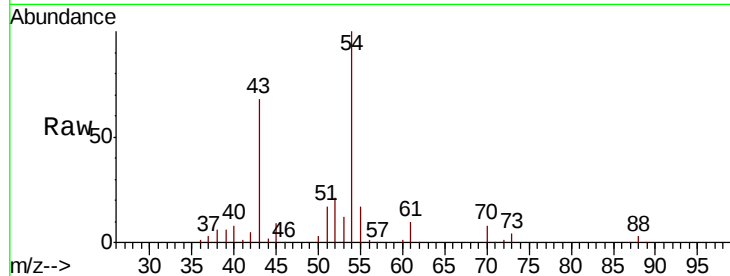




#37
Ethyl Acetate
Concen: 51.601 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

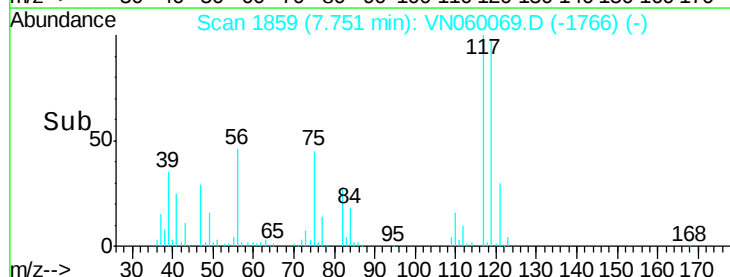
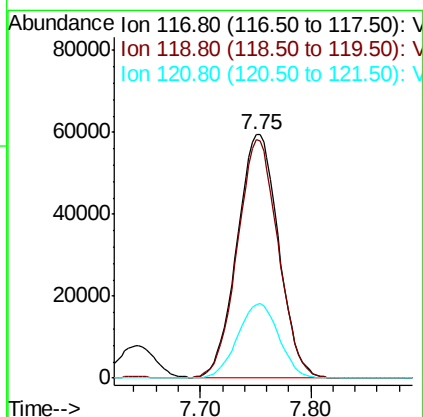
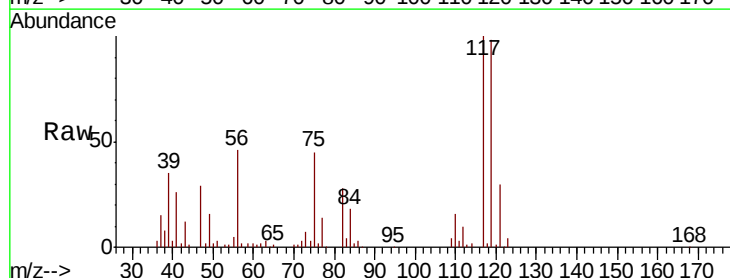
Instrument :
MSVOA_N
ClientSampleId :

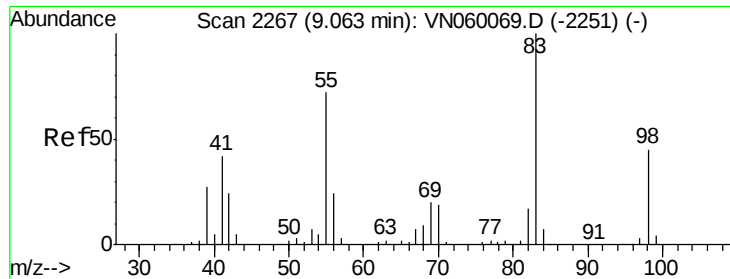
Tot Ion: 43 Resp: 132386
Ion Ratio Lower Upper
43 100
61 14.3 11.4 17.2
70 10.9 8.7 13.1



#38
Carbon Tetrachloride
Concen: 49.015 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 117 Resp: 155374
Ion Ratio Lower Upper
117 100
119 97.8 78.2 117.4
121 30.2 24.2 36.2

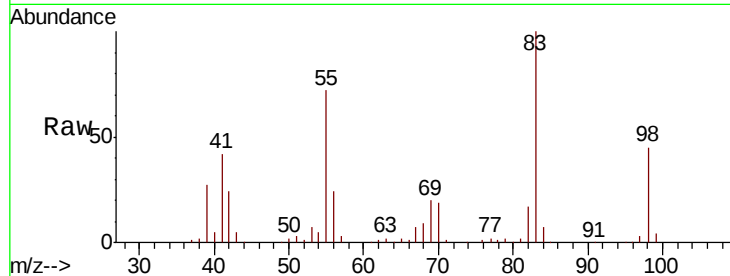




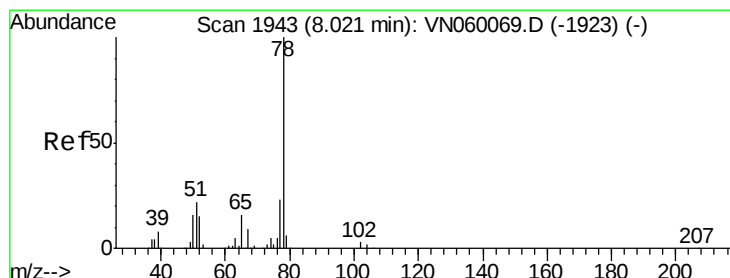
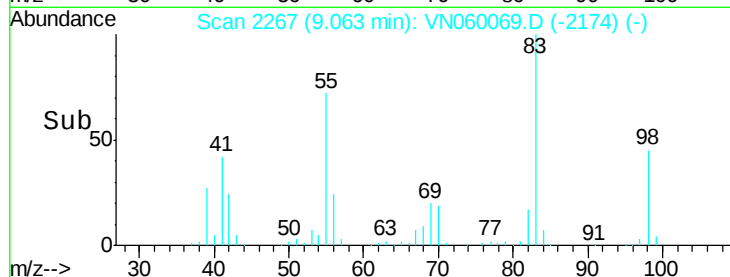
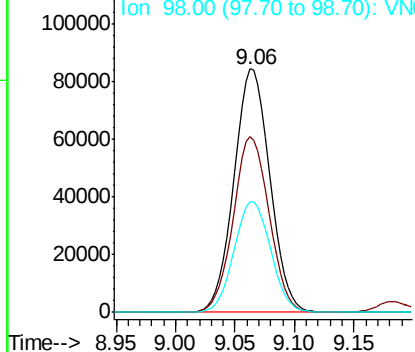
#39
Methvlcvclohexane
Concen: 48.885 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 176984
Ion Ratio Lower Upper
83 100
55 72.3 57.8 86.8
98 45.5 36.4 54.6

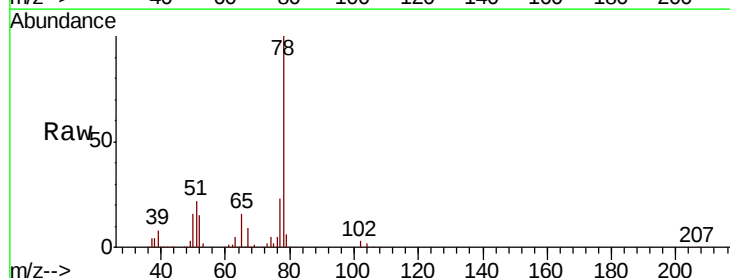


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

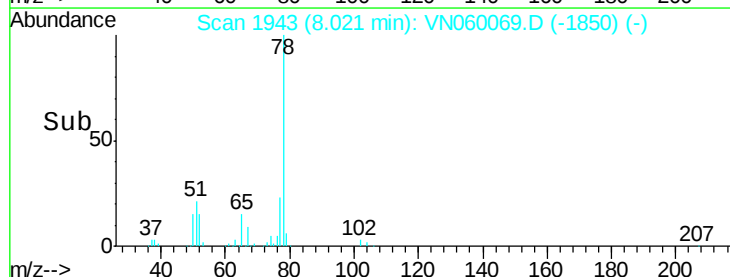
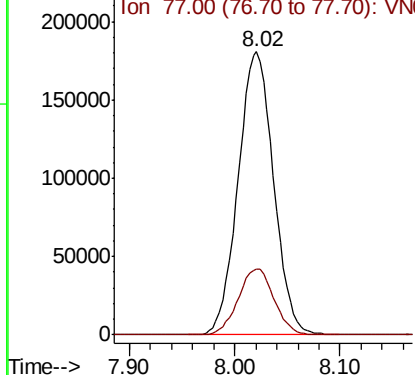


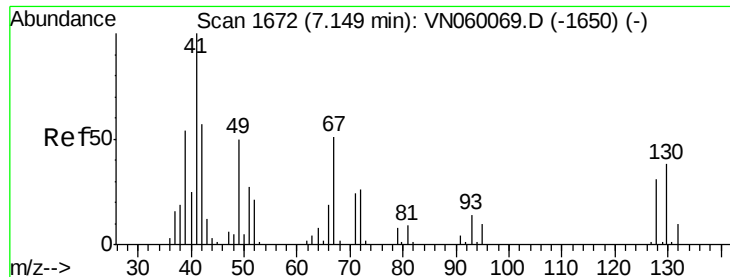
#40
Benzene
Concen: 48.339 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 78 Resp: 422257
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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





#41

Methacrylonitrile

Concen: 113.892 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.03 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 41 Resp: 191673

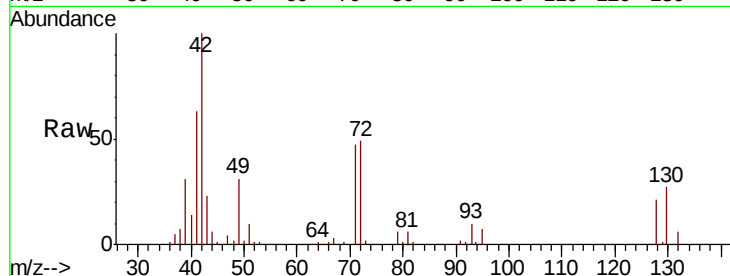
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

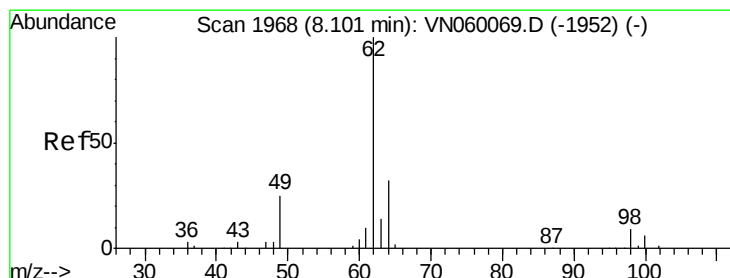
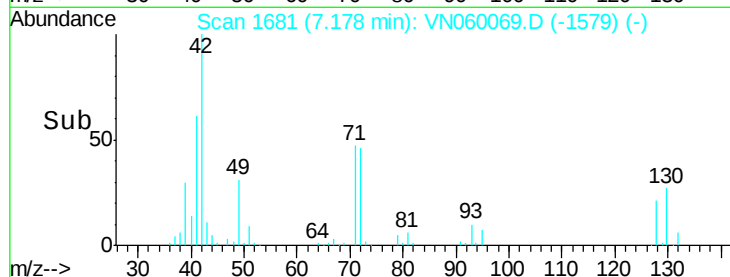
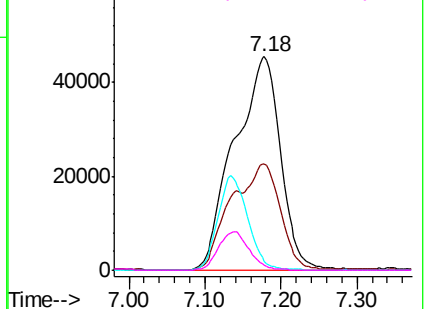


Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-1650) (-)

Ion 67.00 (66.70 to 67.70): VN060069.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN060069.D (-1650) (-)



#42

1,2-Dichloroethane

Concen: 49.896 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN060069.D

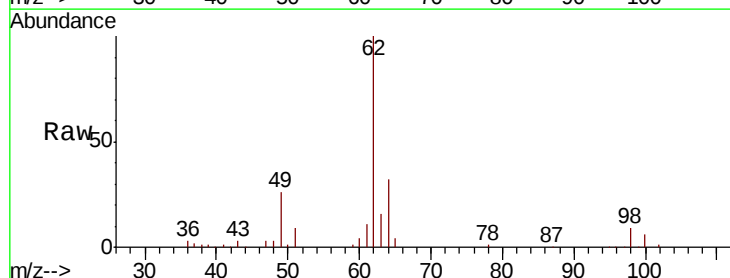
Acq: 12 Feb 2020 12:27

Tgt Ion: 62 Resp: 150908

Ion Ratio Lower Upper

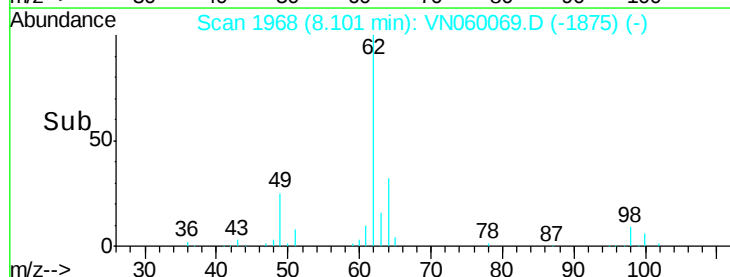
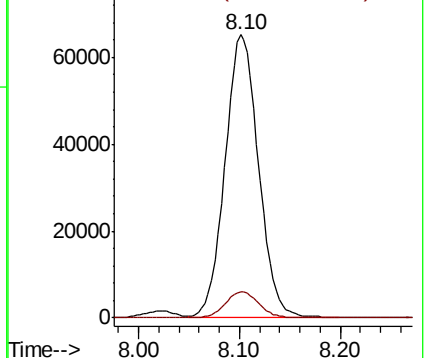
62 100

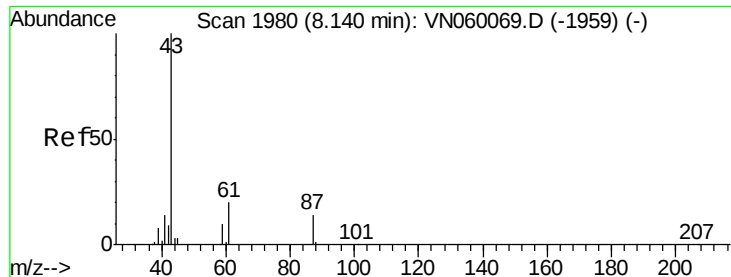
98 9.1 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VN060069.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-1952) (-)





#43

Isopropyl Acetate

Concen: 51.273 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

ClientSampleId :

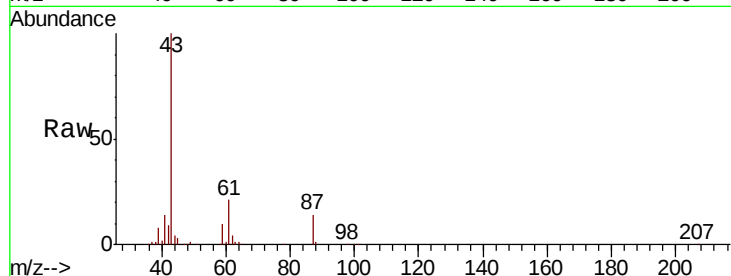
Tot Ion: 43 Resp: 225771

Ion Ratio Lower Upper

43 100

61 27.2 21.8 32.6

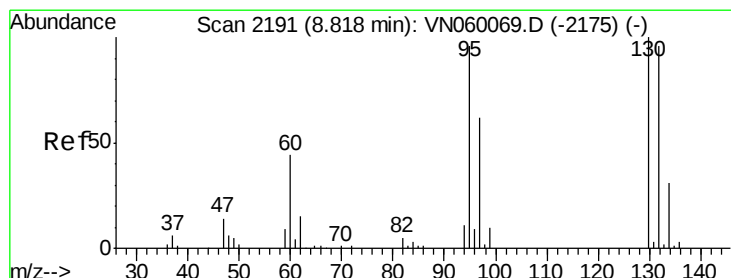
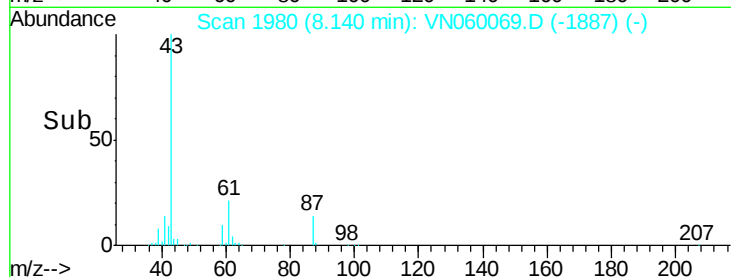
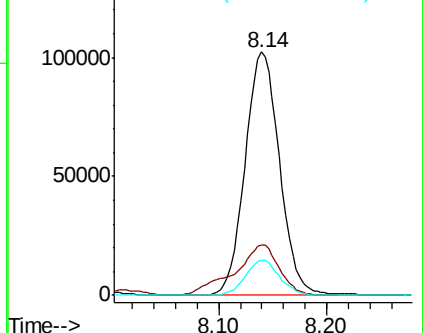
87 14.3 11.4 17.2



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: 48.341 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060069.D

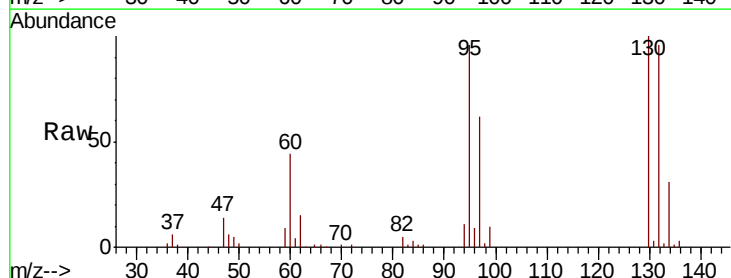
Acq: 12 Feb 2020 12:27

Tgt Ion: 130 Resp: 117166

Ion Ratio Lower Upper

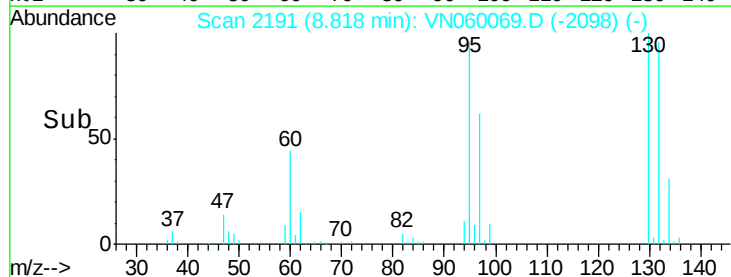
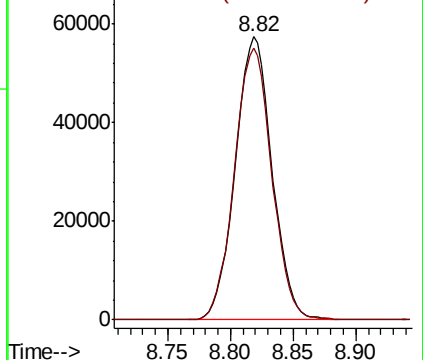
130 100

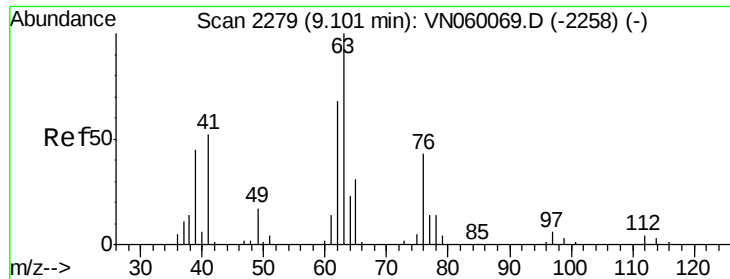
95 96.2 0.0 192.4



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

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

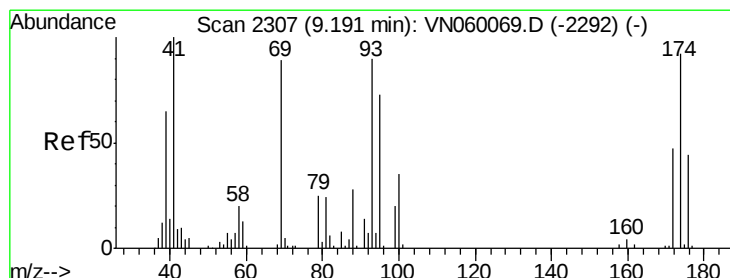
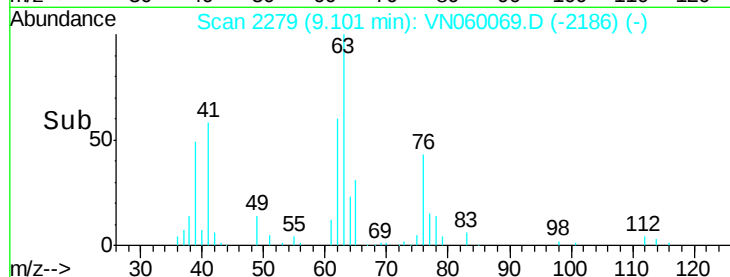
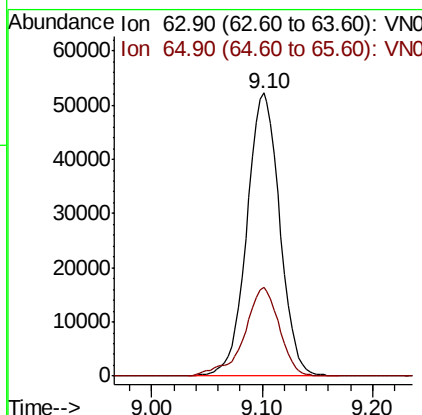
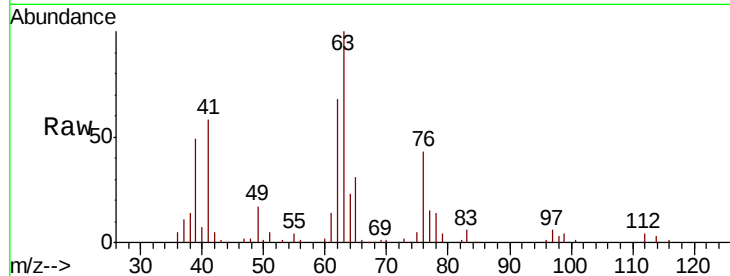




#45
 1,2-Dichloropropane
 Concen: 50.289 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

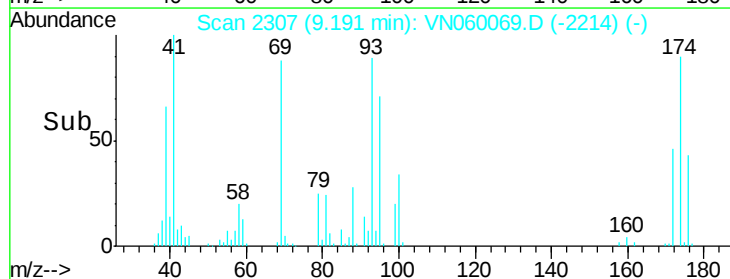
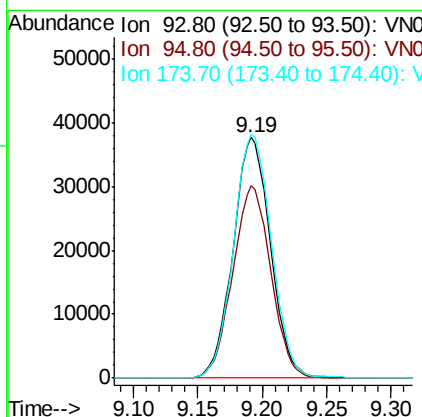
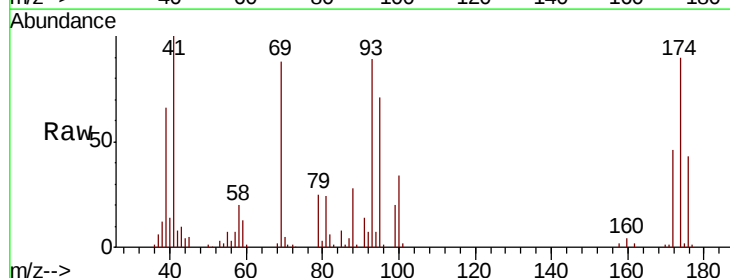
Instrument :
 MSVOA_N
 ClientSampled :

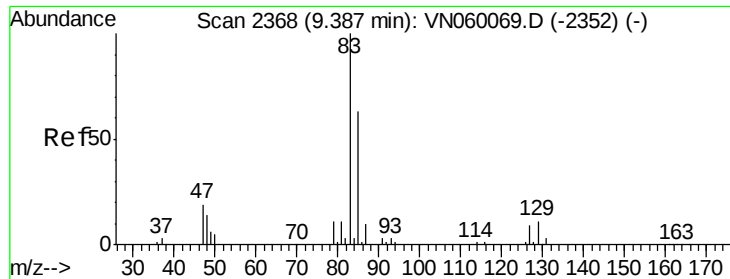
Tot Ion: 63 Resp: 107748
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4



#46
 Dibromomethane
 Concen: 50.510 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

Tgt Ion: 93 Resp: 76052
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.0 97.6
 174 102.9 82.3 123.5

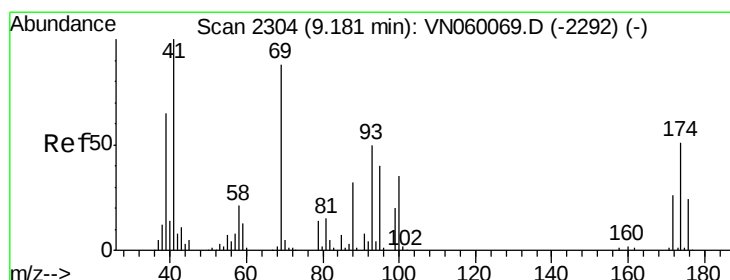
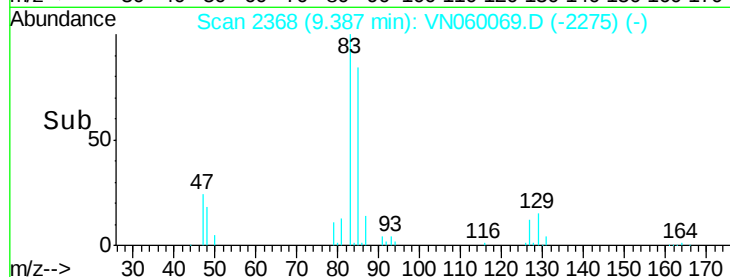
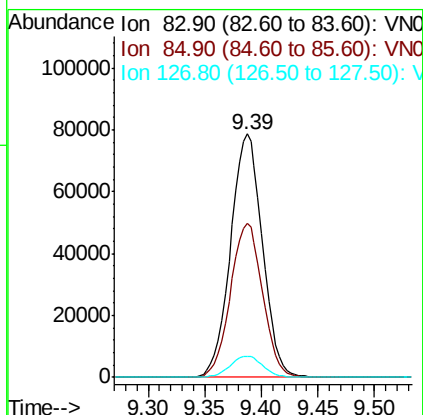
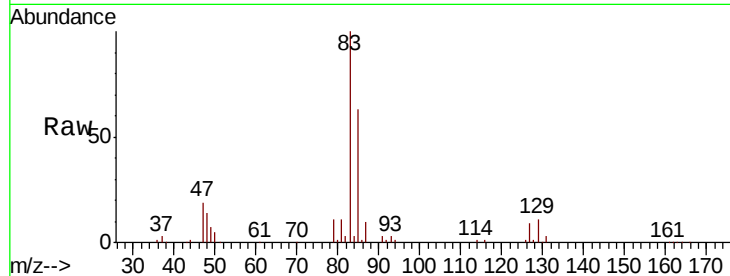




#47
Bromodichloromethane
Concen: 50.394 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

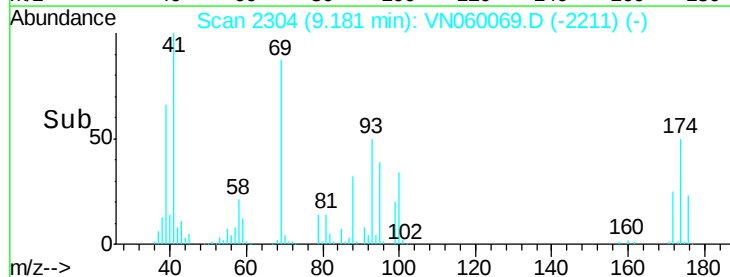
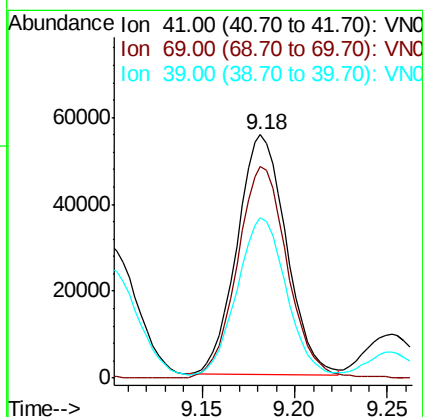
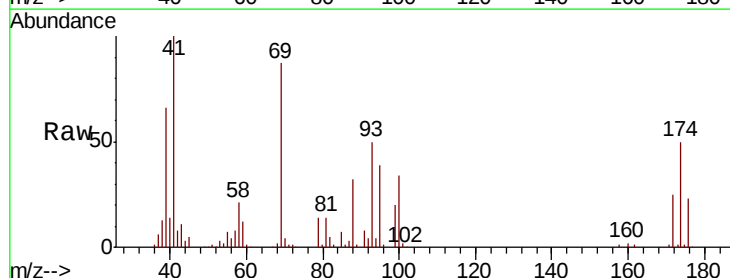
Instrument :
MSVOA_N
ClientSampled :

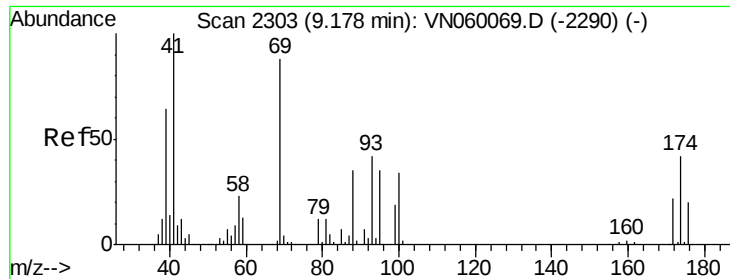
Tot Ion: 83 Resp: 153956
Ion Ratio Lower Upper
83 100
85 63.2 50.6 75.8
127 8.8 7.0 10.6



#48
Methyl methacrylate
Concen: 52.431 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 41 Resp: 102372
Ion Ratio Lower Upper
41 100
69 90.0 72.0 108.0
39 67.6 54.1 81.1

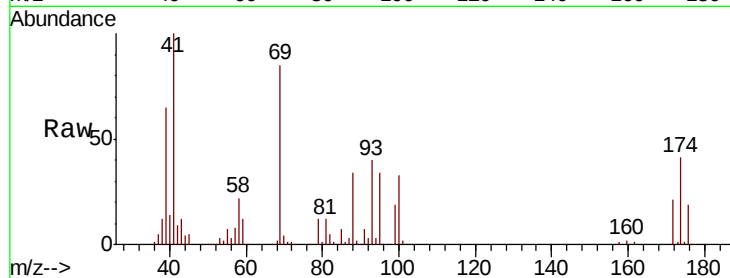




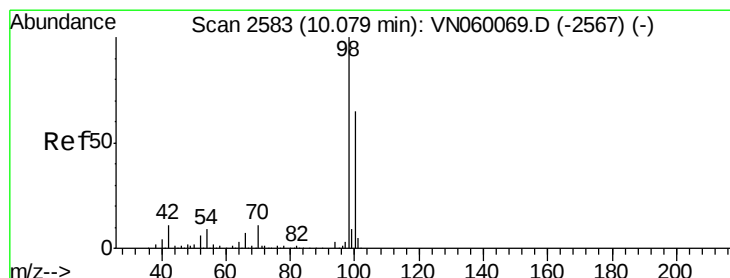
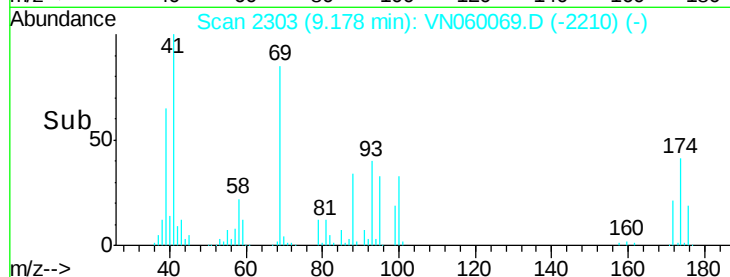
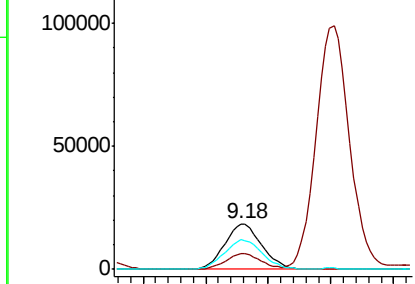
#49
 1,4-Dioxane
 Concen: 1159.285 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 37980
 Ion Ratio Lower Upper
 88 100
 43 32.7 26.2 39.2
 58 66.5 53.2 79.8

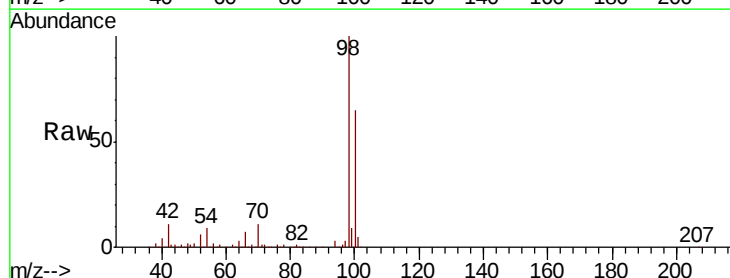


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

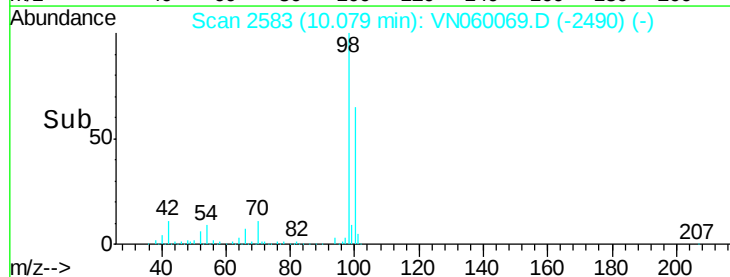
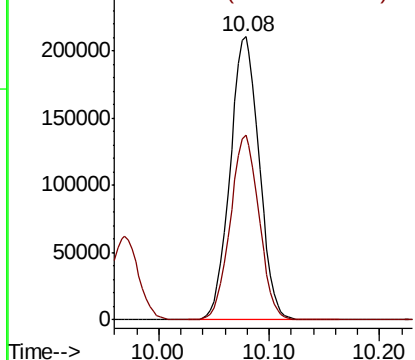


#50
 Toluene-d8
 Concen: 51.415 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

Tgt Ion: 98 Resp: 383998
 Ion Ratio Lower Upper
 98 100
 100 64.6 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: 266.573 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

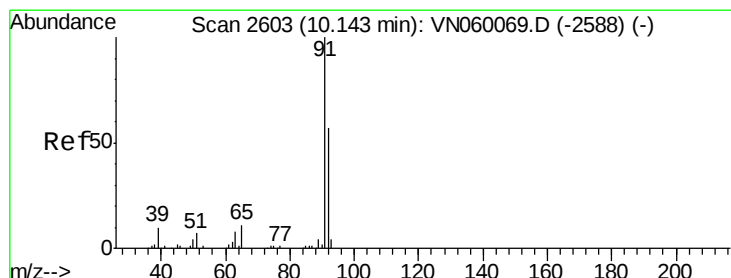
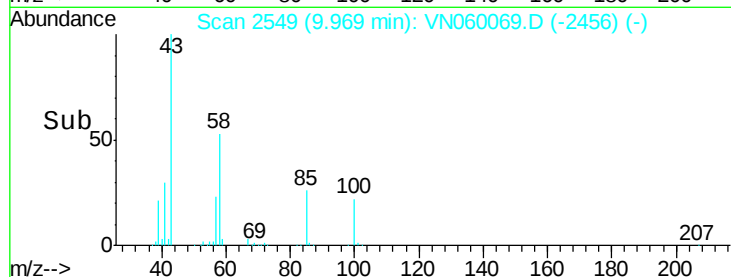
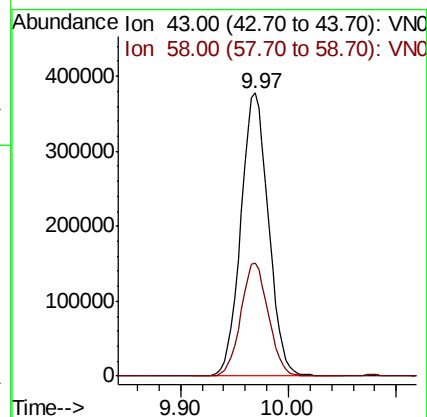
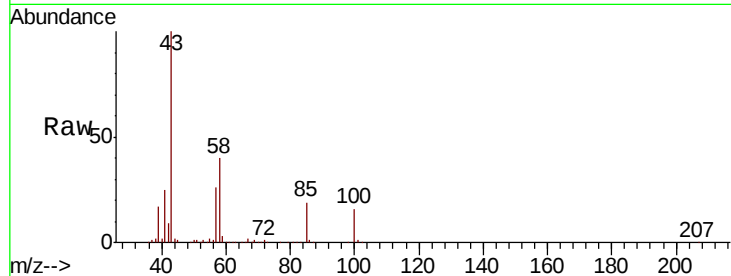
ClientSampled :

Tot Ion: 43 Resp: 674923

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.8



#52

Toluene

Concen: 49.866 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060069.D

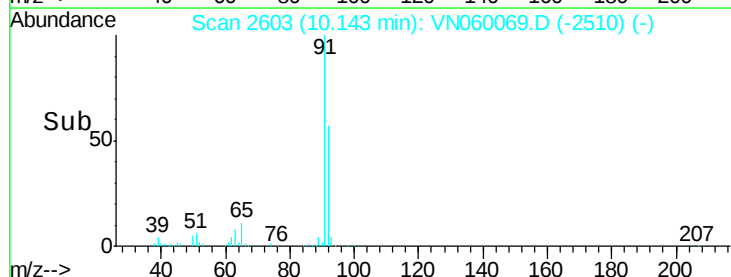
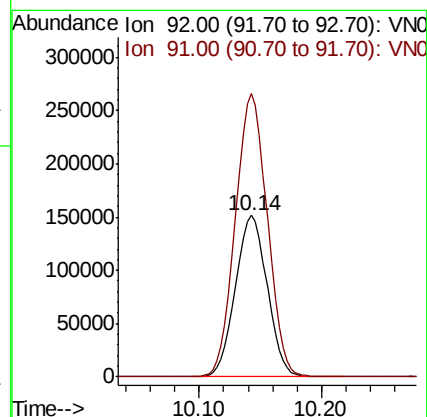
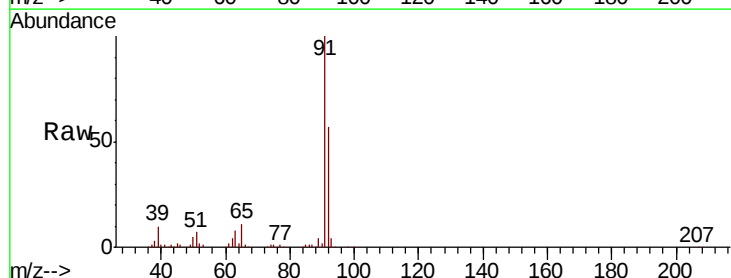
Acq: 12 Feb 2020 12:27

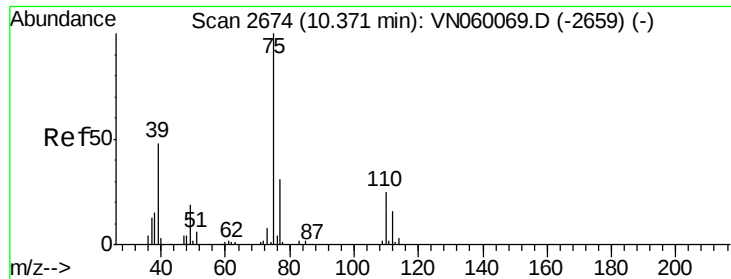
Tgt Ion: 92 Resp: 274843

Ion Ratio Lower Upper

92 100

91 176.1 140.9 211.3

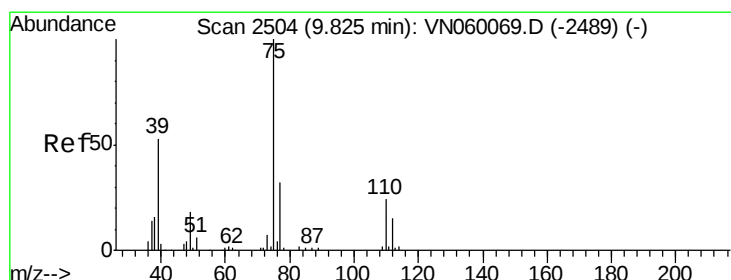
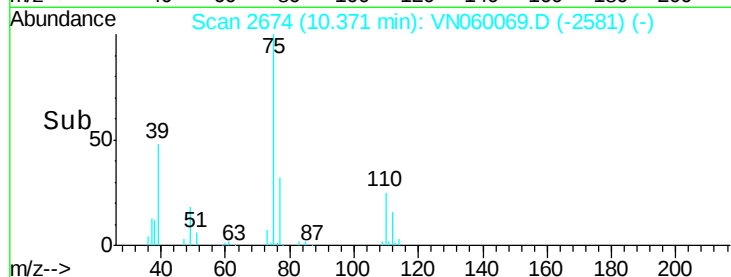
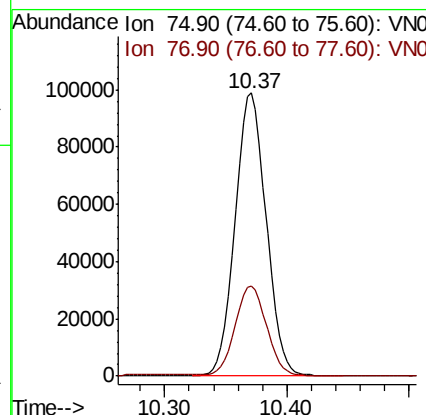
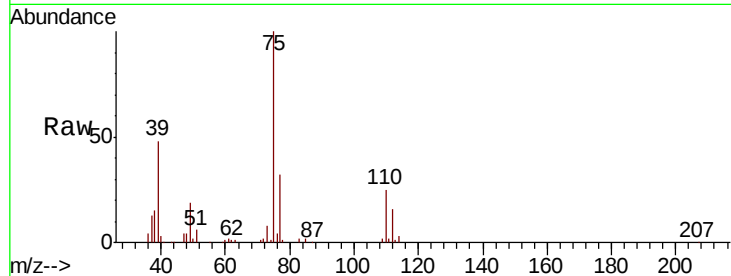




#53
t-1,3-Dichloropropene
Concen: 51.868 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

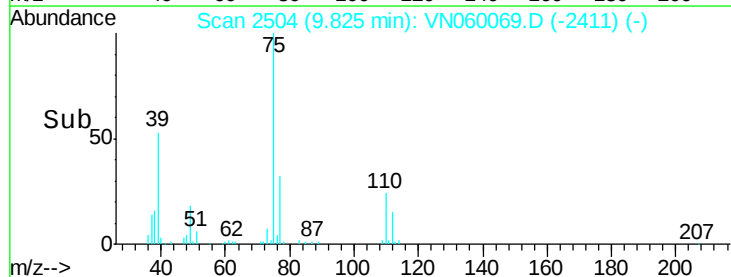
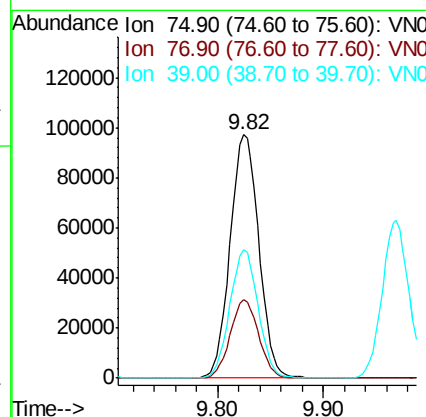
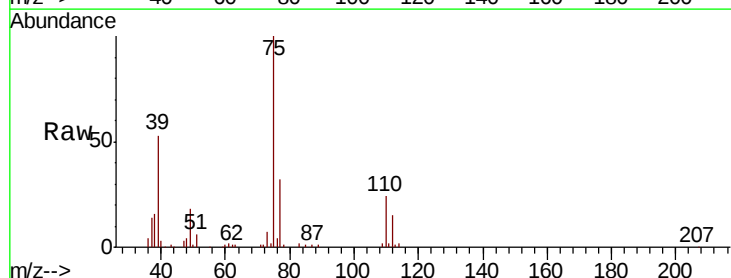
Instrument :
MSVOA_N
ClientSampled :

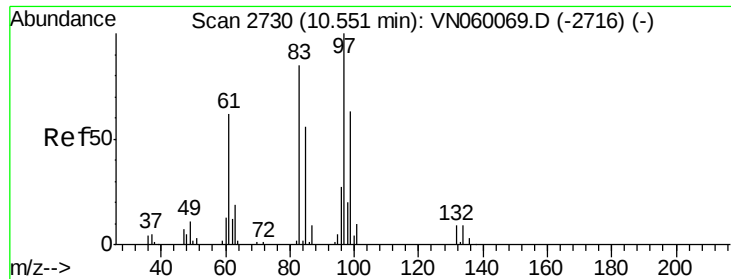
Tot Ion: 75 Resp: 175294
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 50.668 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 75 Resp: 183026
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
39 52.8 42.2 63.4

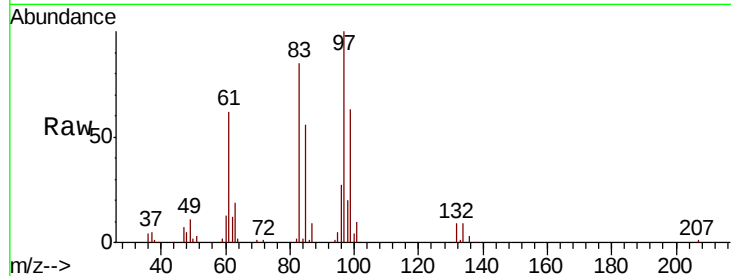




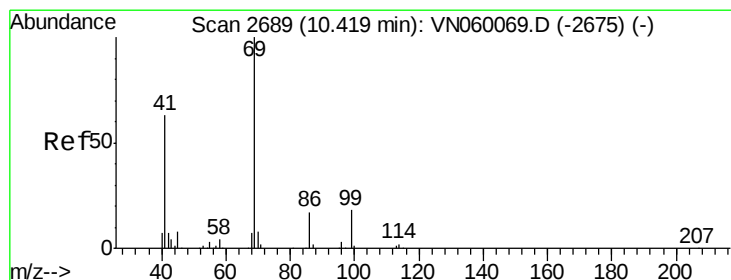
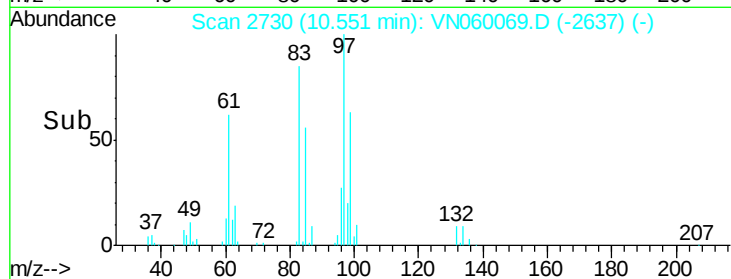
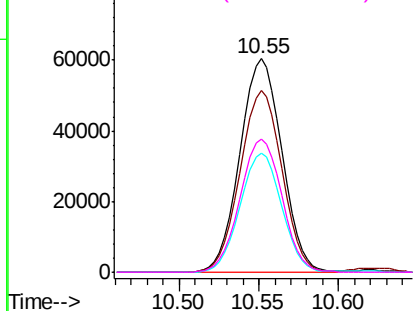
#55
 1,1,2-Trichloroethane
 Concen: 49.959 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	108169
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.9	101.9
85	55.8	44.6	67.0
99	62.6	50.1	75.1

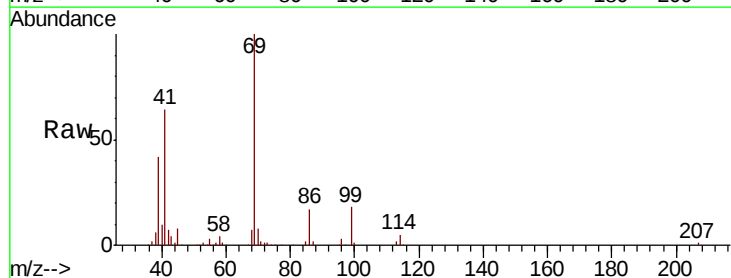


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

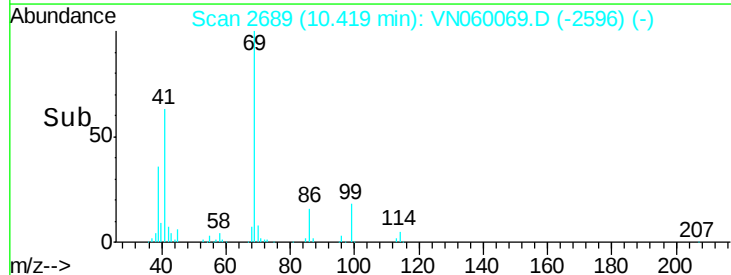
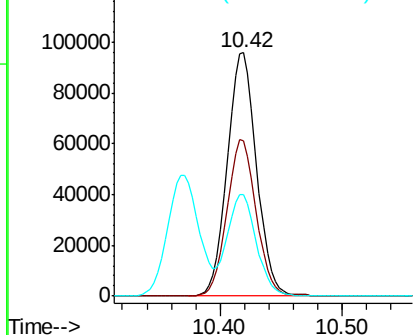


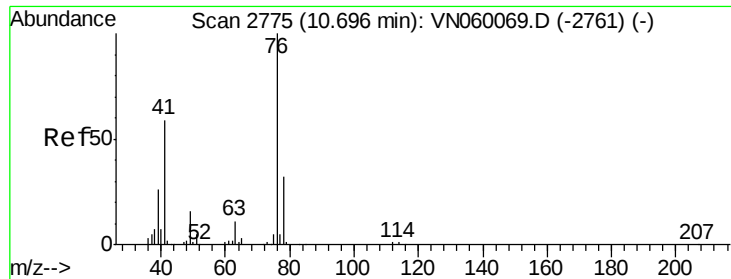
#56
 Ethyl methacrylate
 Concen: 55.758 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

Tgt Ion:	69	Resp:	160610
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.1	76.7
39	42.3	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

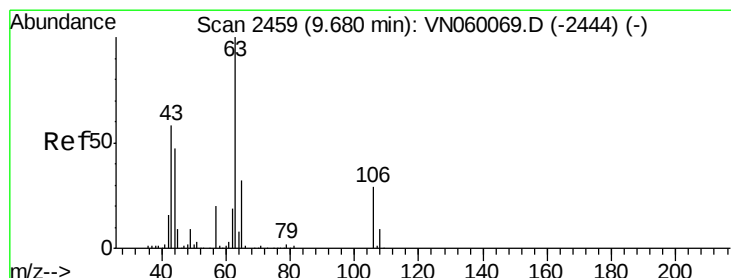
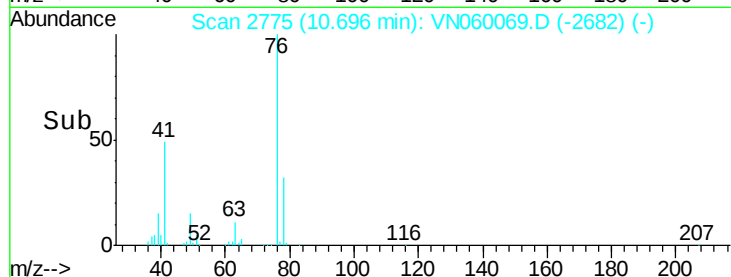
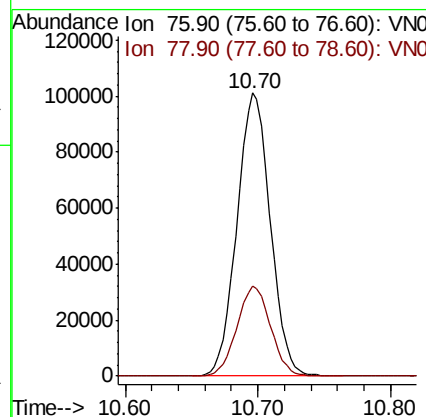
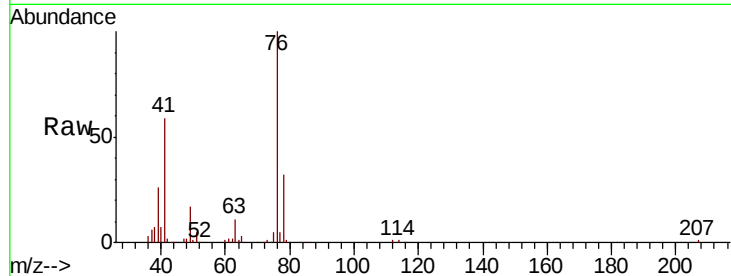




#57
 1,3-Dichloropropane
 Concen: 49.293 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

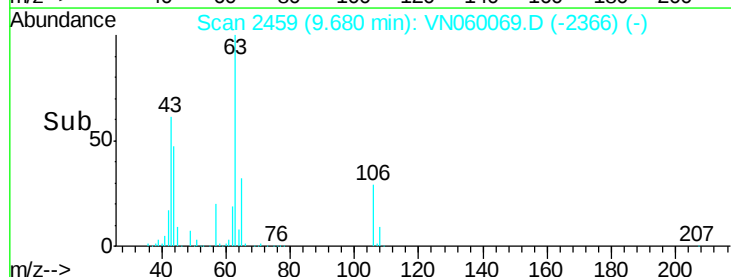
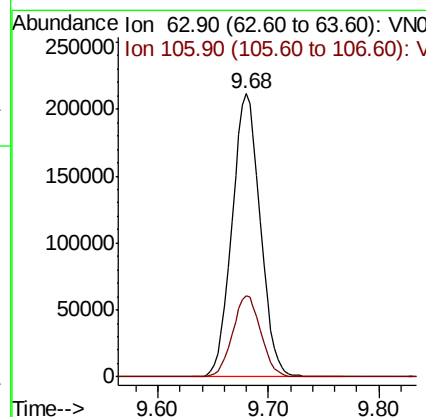
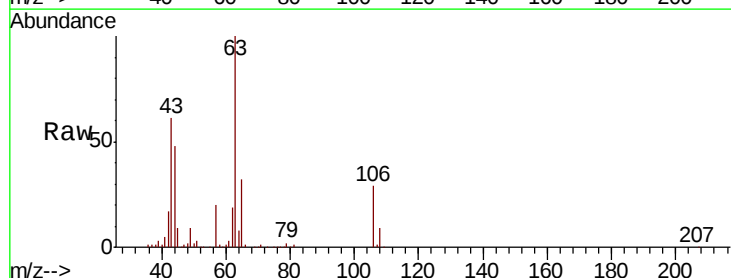
Instrument :
 MSVOA_N
 ClientSampleId :

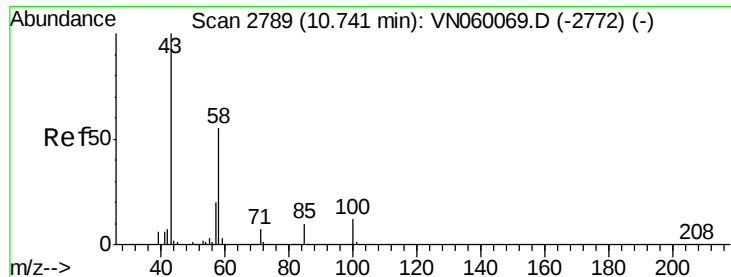
Tot Ion: 76 Resp: 176463
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.302 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

Tgt Ion: 63 Resp: 375227
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.9 34.3

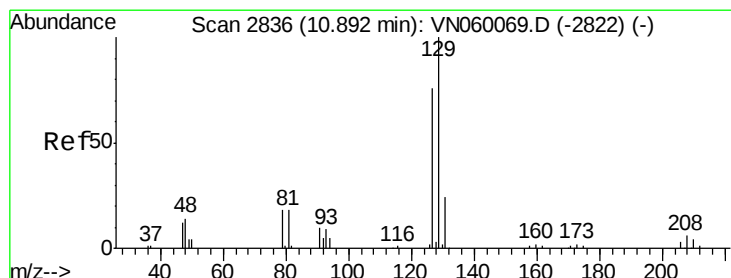
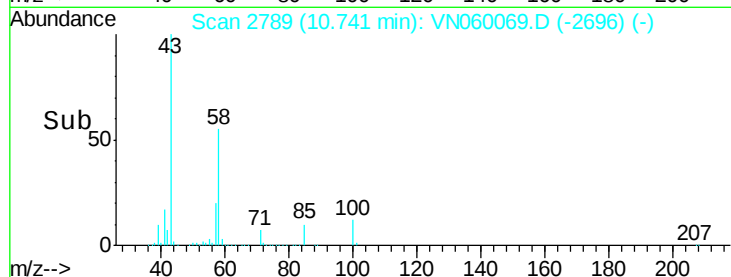
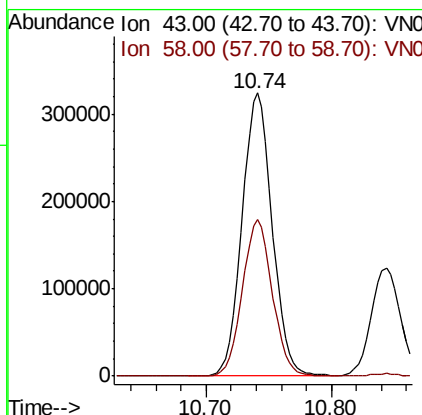
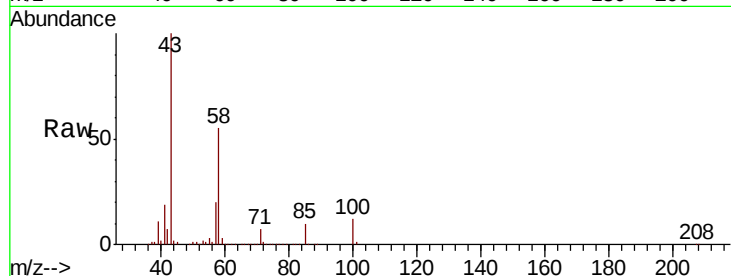




#59
2-Hexanone
Concen: 280.514 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

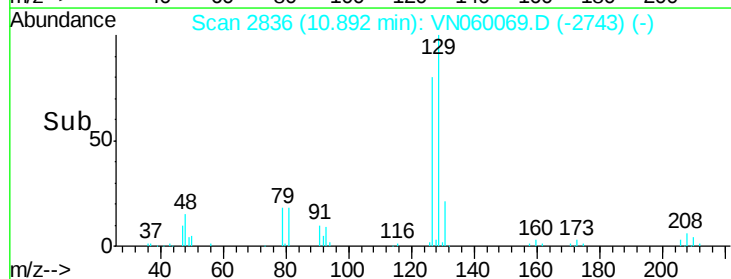
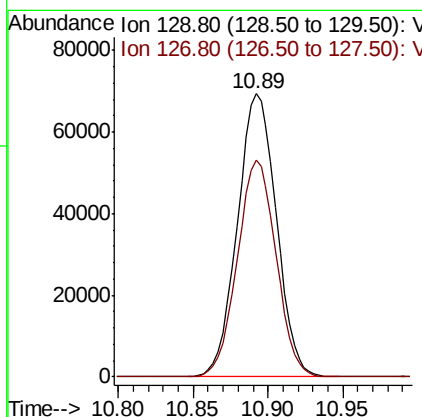
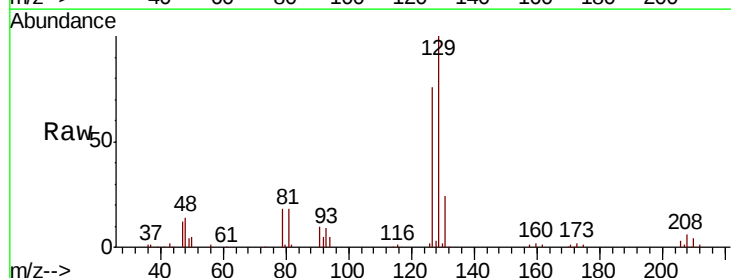
Instrument :
MSVOA_N
ClientSampled :

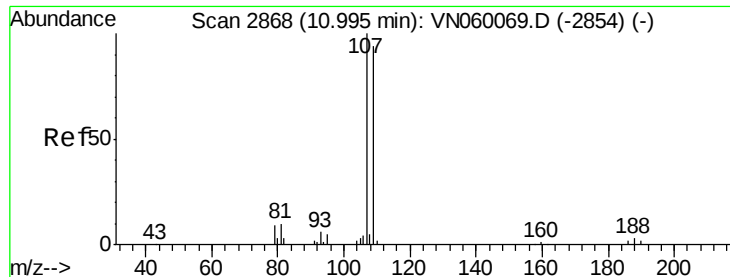
Tot Ion: 43 Resp: 541745
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4



#60
Dibromochloromethane
Concen: 51.871 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 129 Resp: 125660
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.1

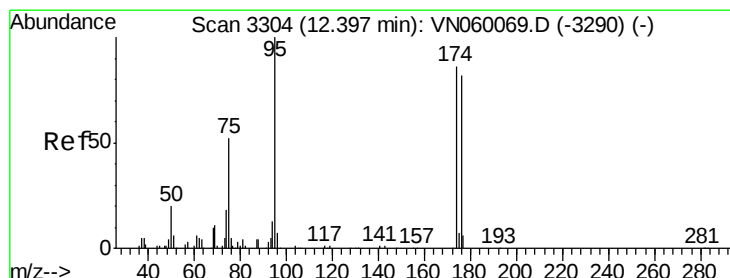
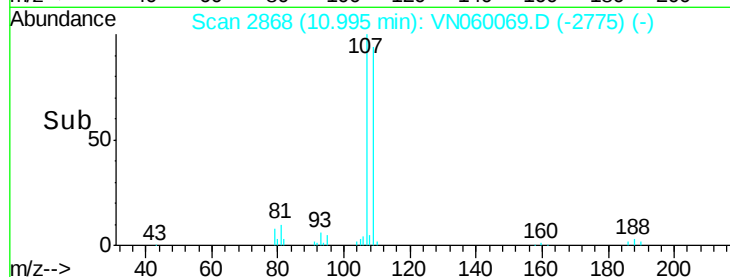
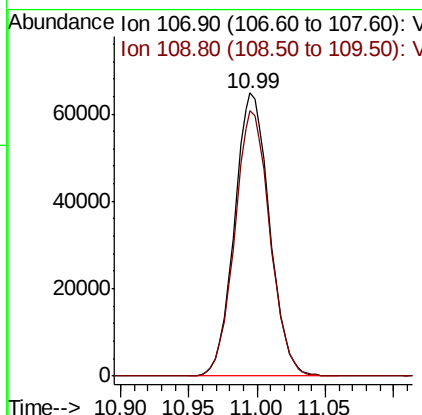
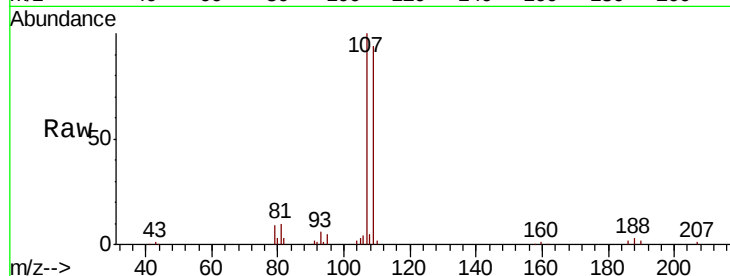




#61
 1,2-Dibromoethane
 Concen: 51.817 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

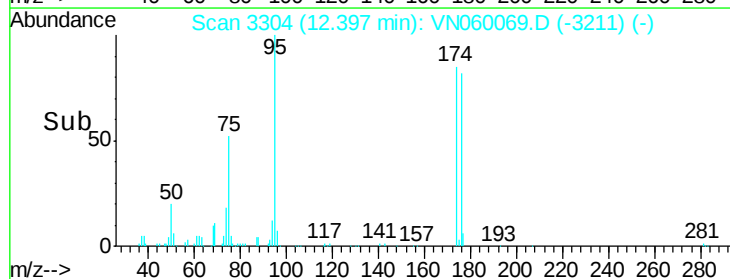
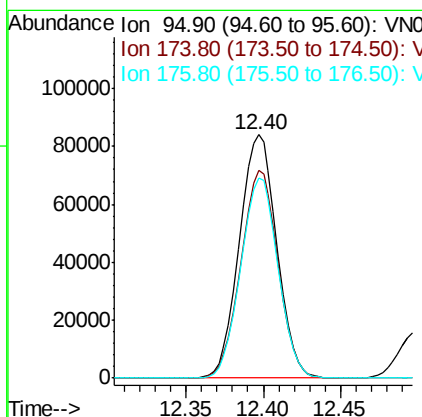
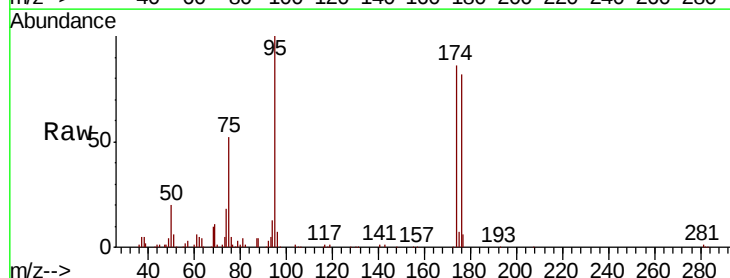
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 115336
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.678 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

Tgt Ion: 95 Resp: 141225
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 169.8
 176 82.4 0.0 164.8

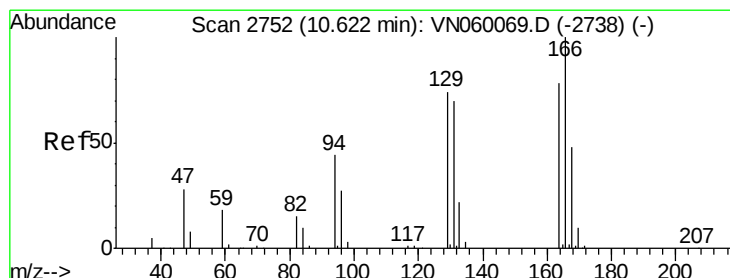
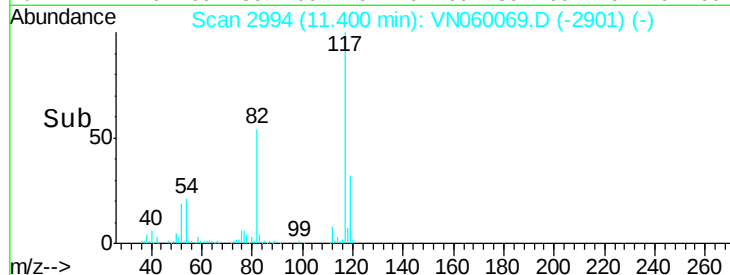
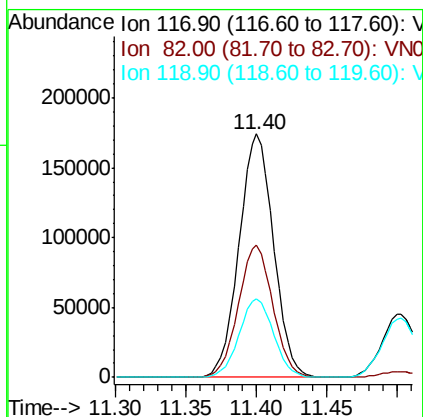
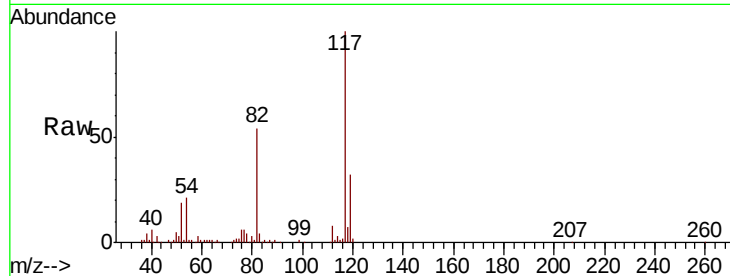




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

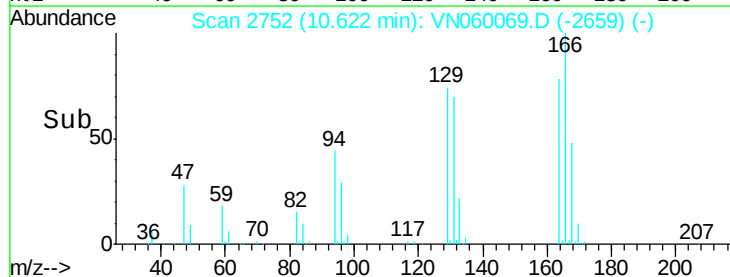
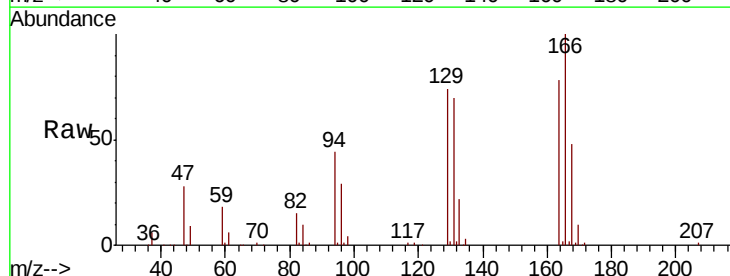
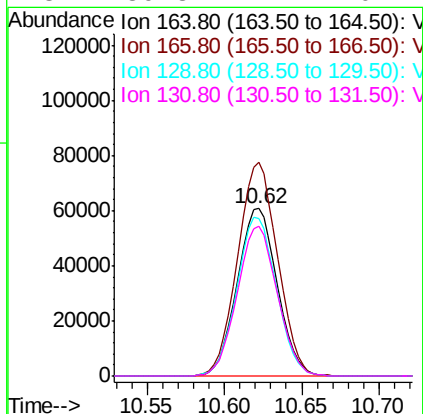
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.0
119	32.2	25.8	38.6



#64
Tetrachloroethene
Concen: 46.643 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	94.2	75.4	113.0
131	89.3	71.4	107.2





#65

Chlorobenzene

Concen: 48.865 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

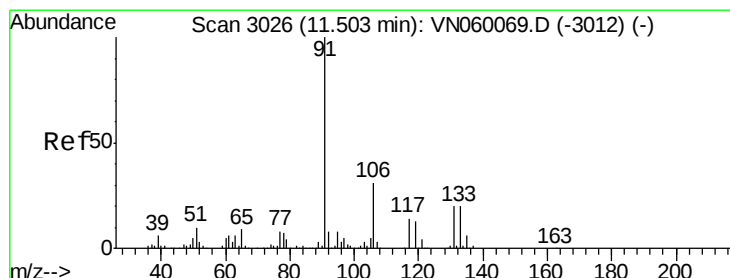
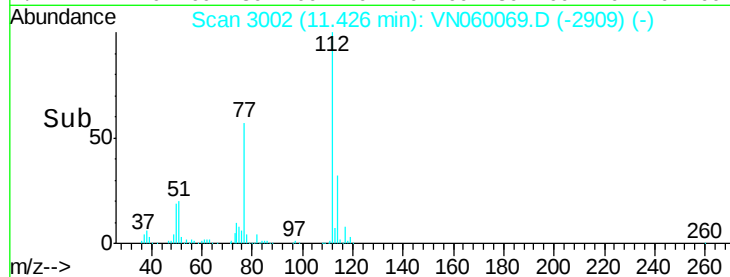
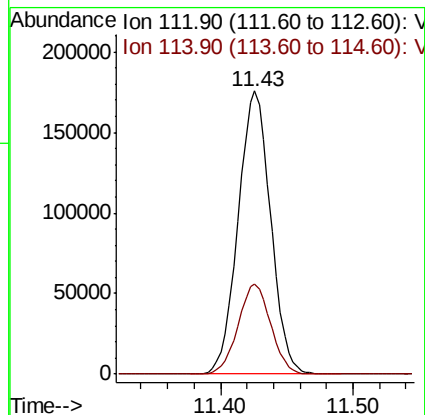
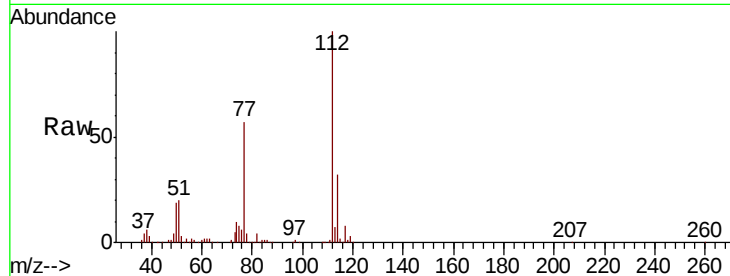
ClientSampleId :

Tot Ion:112 Resp: 298497

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 49.995 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

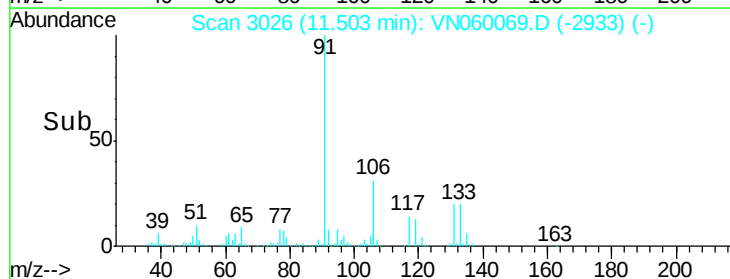
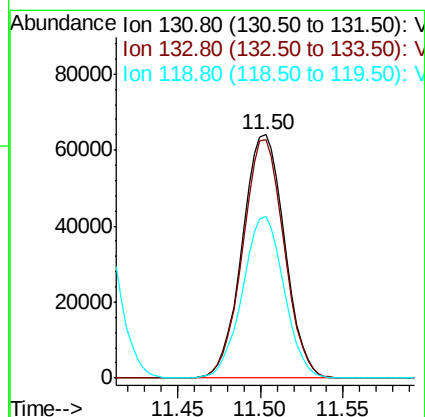
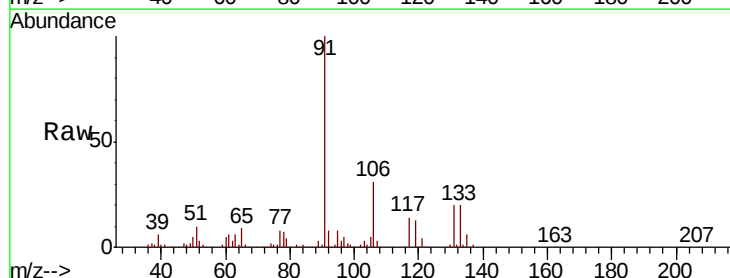
Tgt Ion:131 Resp: 114305

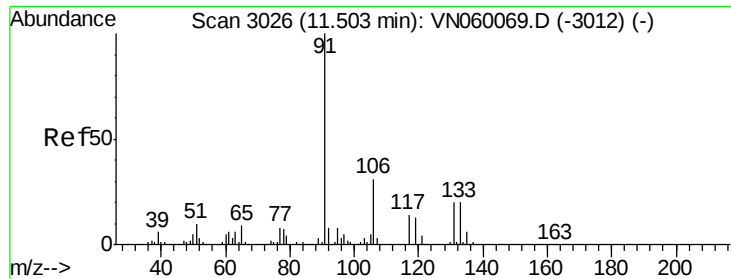
Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.7

119 65.1 32.6 97.7





#67

Ethyl Benzene

Concen: 49.089 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

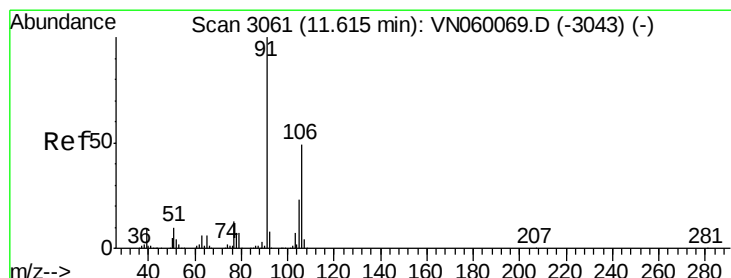
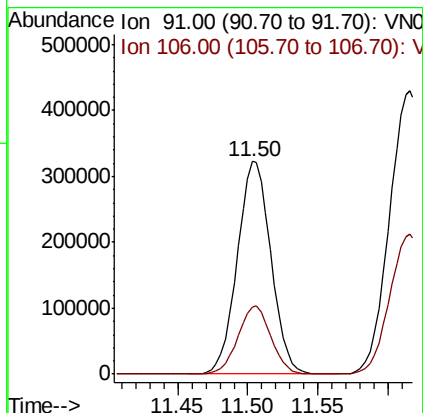
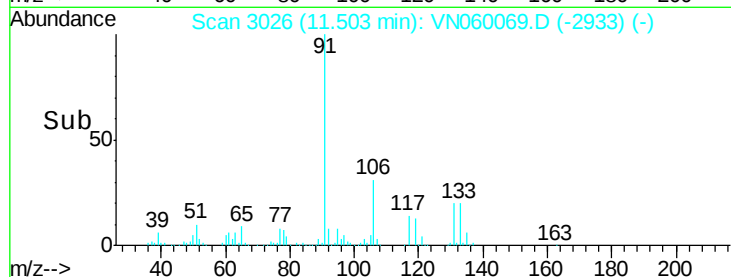
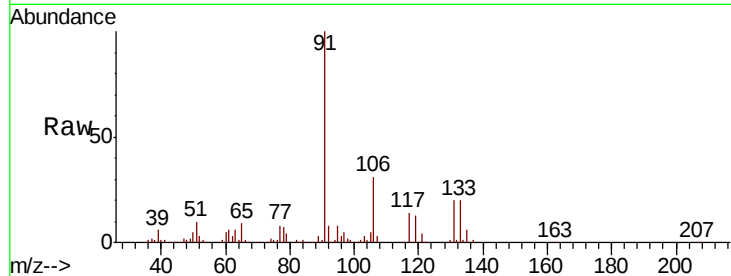
ClientSampled :

Tot Ion: 91 Resp: 539429

Ion Ratio Lower Upper

91 100

106 31.4 25.1 37.7



#68

m/p-Xylenes

Concen: 99.542 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060069.D

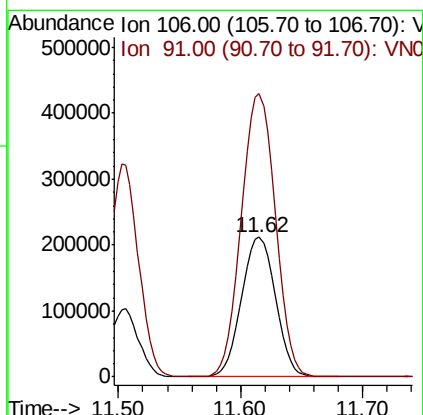
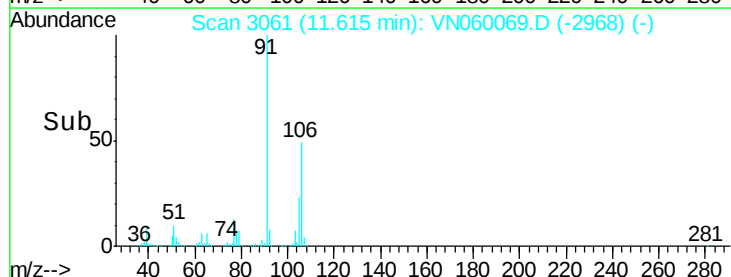
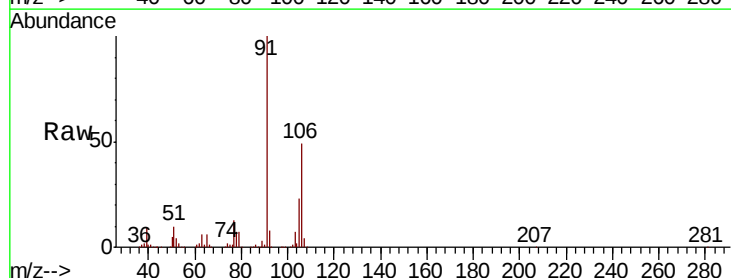
Acq: 12 Feb 2020 12:27

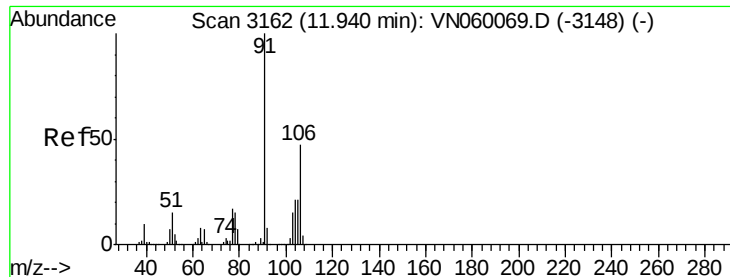
Tgt Ion: 106 Resp: 407076

Ion Ratio Lower Upper

106 100

91 203.4 162.7 244.1

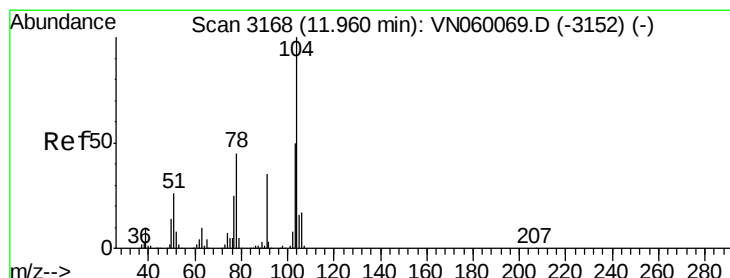
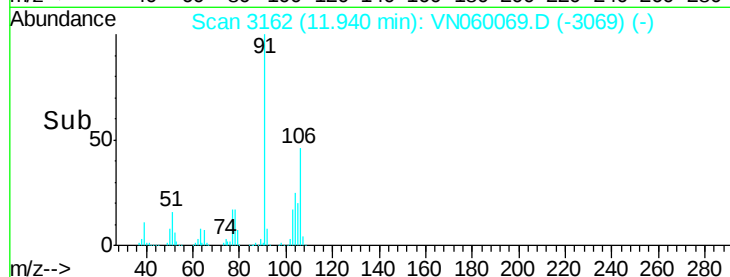
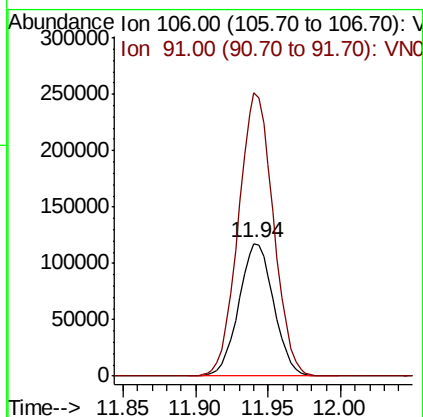
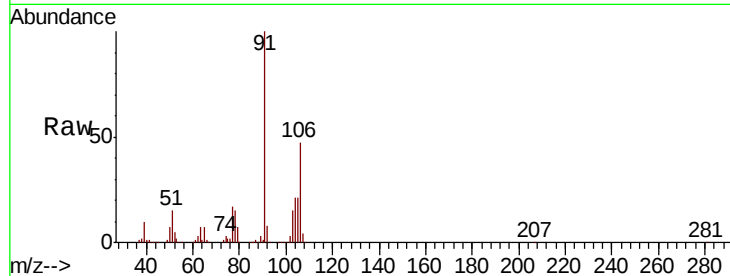




#69
o-Xylene
Concen: 49.984 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

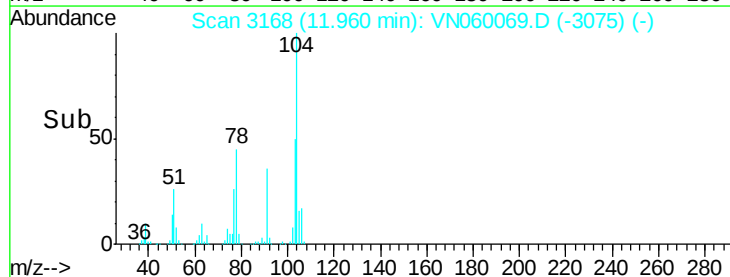
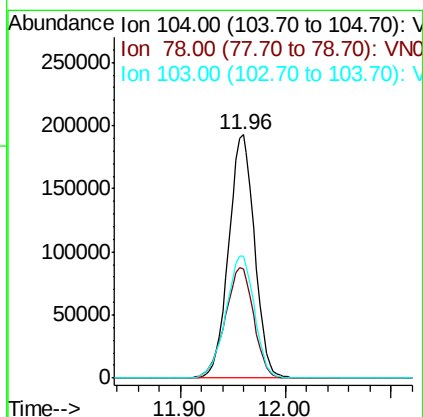
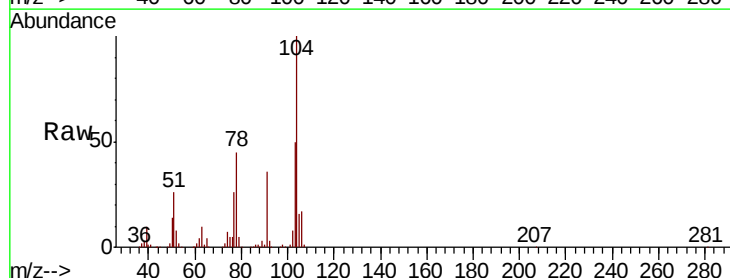
Instrument :
MSVOA_N
ClientSampled :

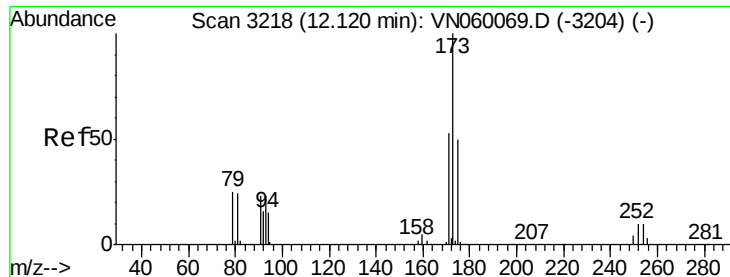
Tot Ion:106 Resp: 196436
Ion Ratio Lower Upper
106 100
91 214.4 107.2 321.6



#70
Styrene
Concen: 53.614 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion:104 Resp: 326879
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.2
103 55.4 44.3 66.5

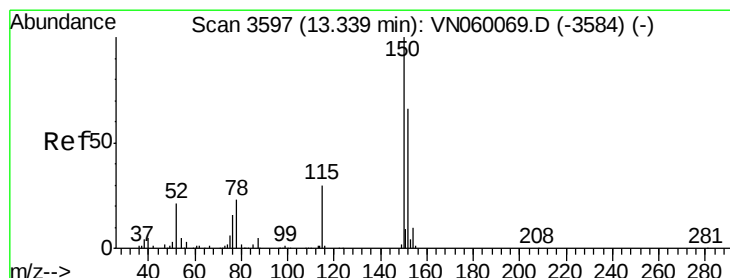
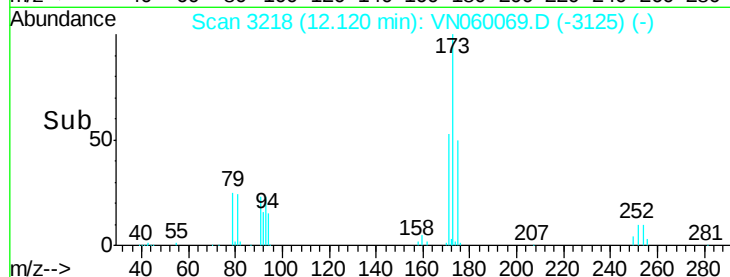
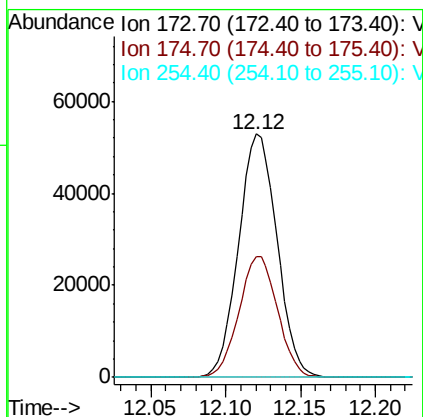
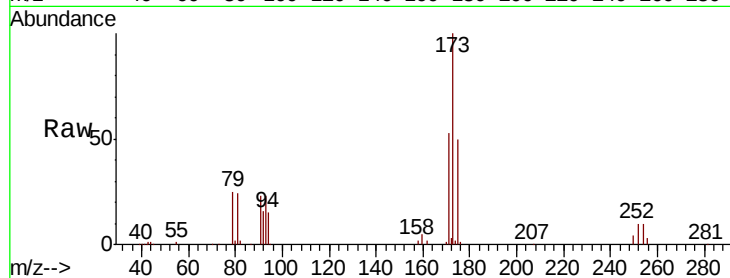




#71
Bromoform
Concen: 53.873 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

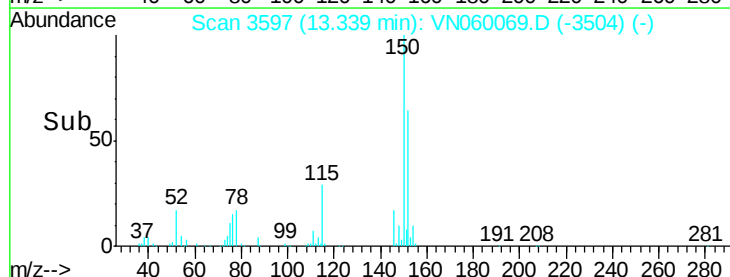
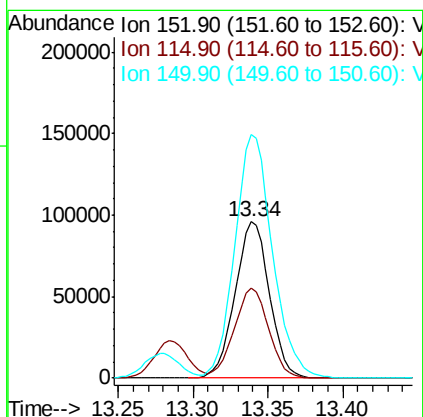
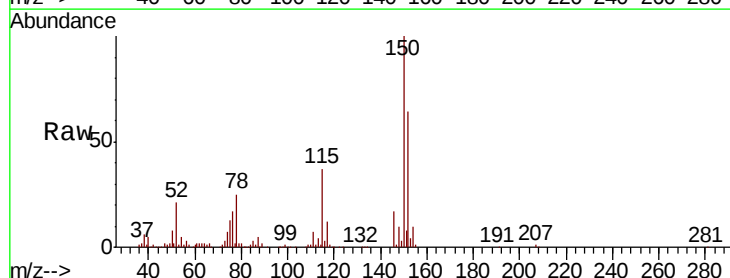
Instrument :
MSVOA_N
ClientSampleId :

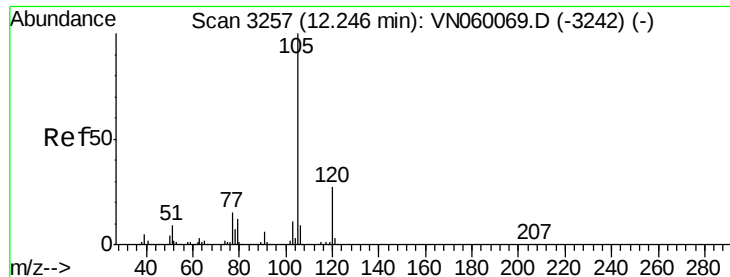
Tot Ion:173 Resp: 94554
Ion Ratio Lower Upper
173 100
175 49.7 24.9 74.6
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion:152 Resp: 152904
Ion Ratio Lower Upper
152 100
115 57.9 28.9 86.8
150 171.2 0.0 342.4





#73

Isopropylbenzene

Concen: 46.153 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

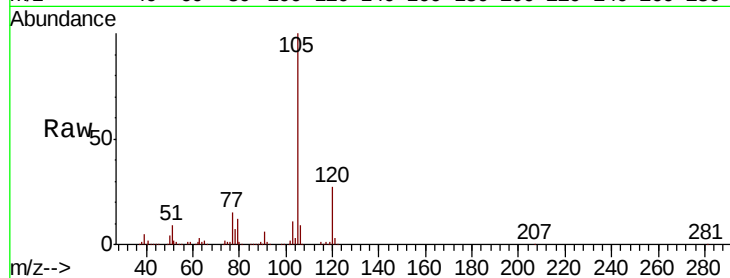
ClientSampleId :

Tot Ion:105 Resp: 539692

Ion Ratio Lower Upper

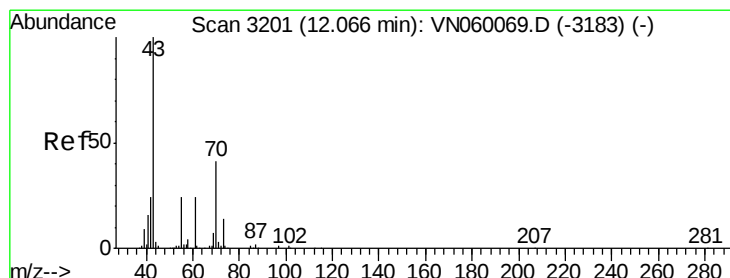
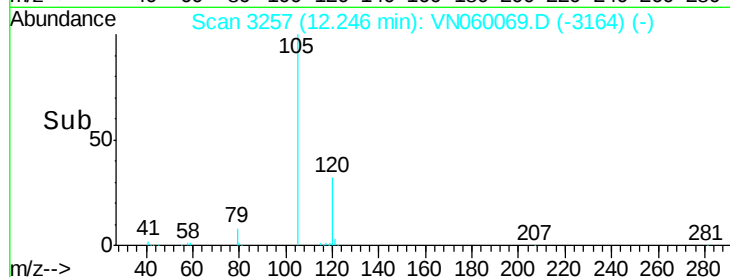
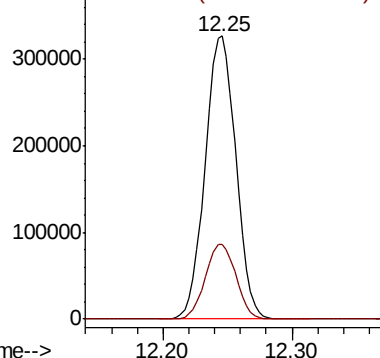
105 100

120 26.5 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: 52.734 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Tgt Ion: 43 Resp: 210386

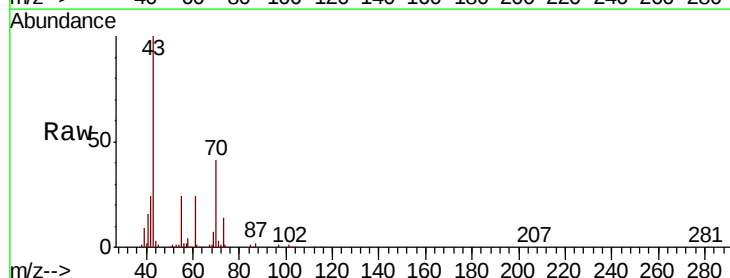
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.0

55 23.5 18.8 28.2

61 24.0 19.2 28.8

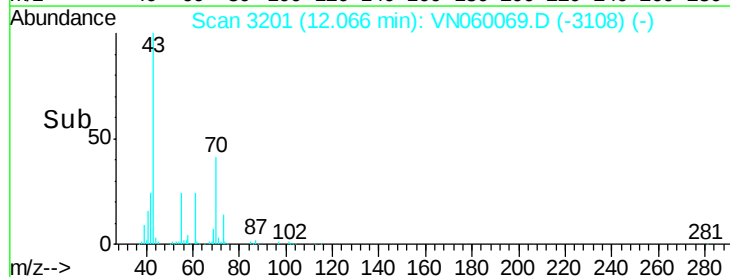
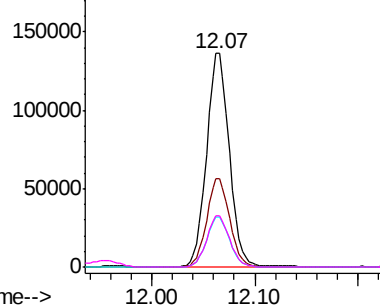


Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.506 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

ClientSampleId :

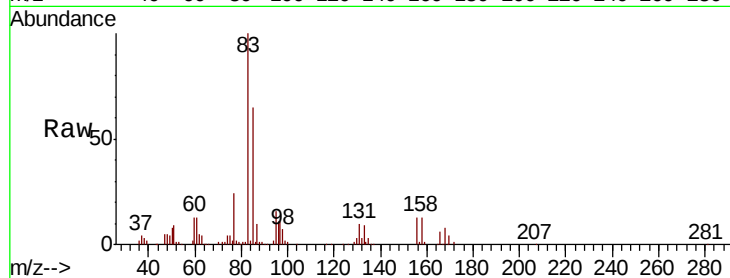
Tot Ion: 83 Resp: 160593

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

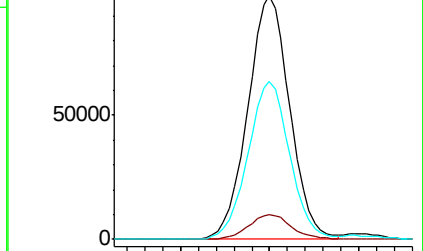
85 64.6 32.3 96.9



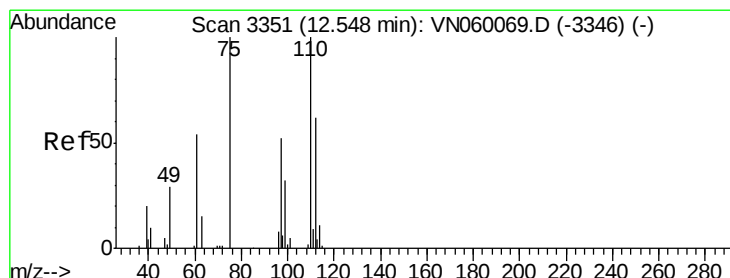
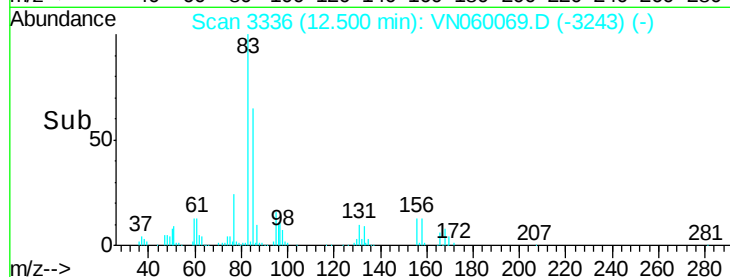
Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-3322) (-)

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

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



Time-->



#76

1,2,3-Trichloropropane

Concen: 51.741 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060069.D

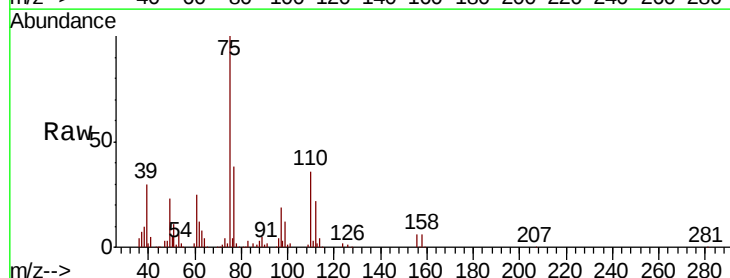
Acq: 12 Feb 2020 12:27

Tgt Ion: 75 Resp: 215032

Ion Ratio Lower Upper

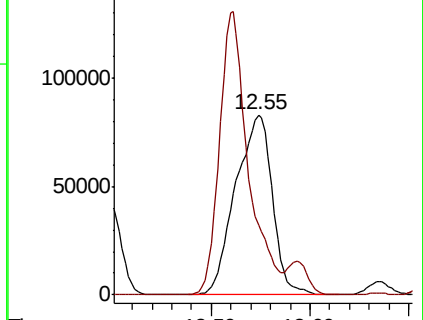
75 100

77 0.0 0.0 0.0

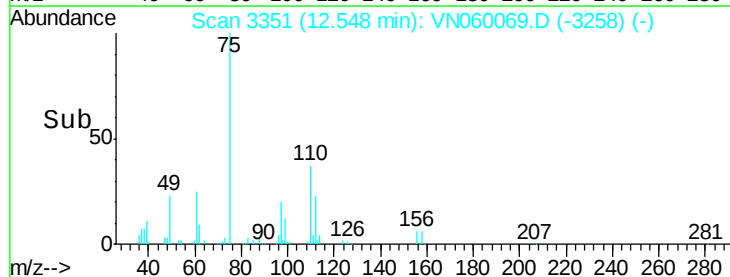


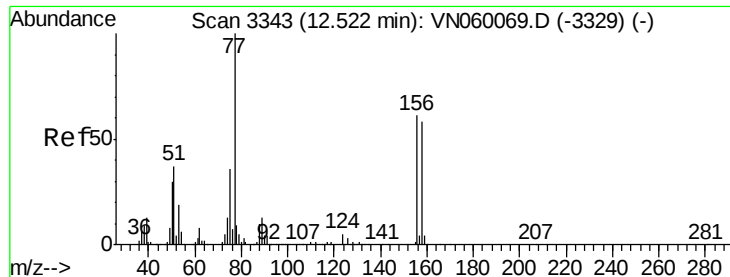
Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3351) (-)



Time-->





#77

Bromobenzene

Concen: 46.893 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

ClientSampleId :

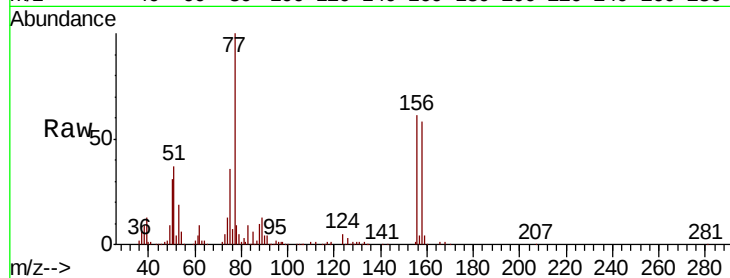
Tot Ion:156 Resp: 134984

Ion Ratio Lower Upper

156 100

77 197.4 98.7 296.1

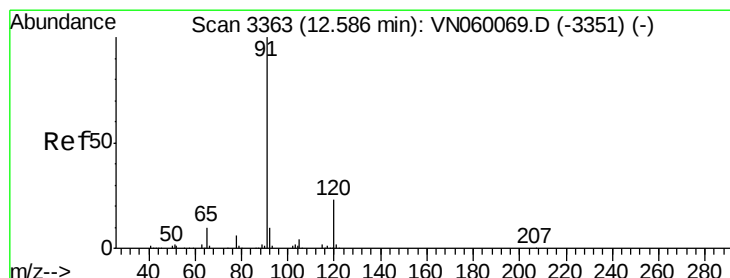
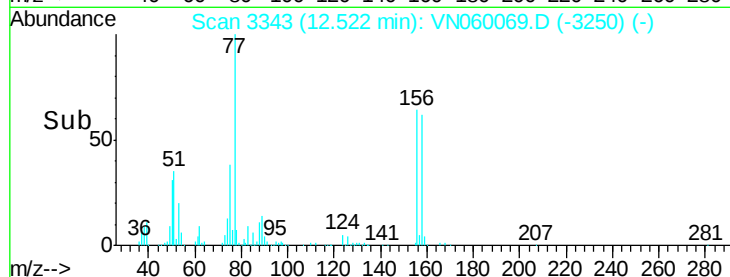
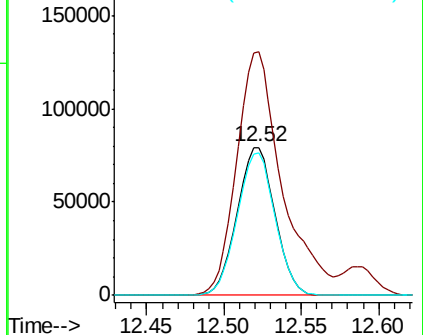
158 96.3 48.1 144.4



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: 46.425 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060069.D

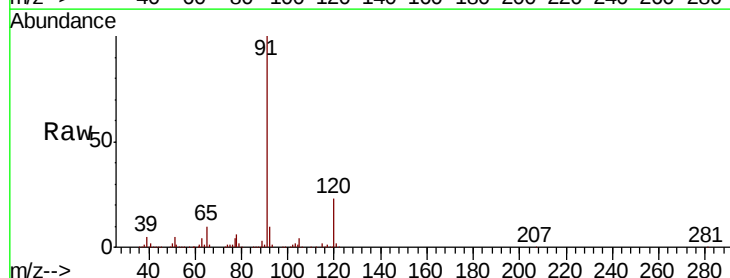
Acq: 12 Feb 2020 12:27

Tgt Ion: 91 Resp: 615877

Ion Ratio Lower Upper

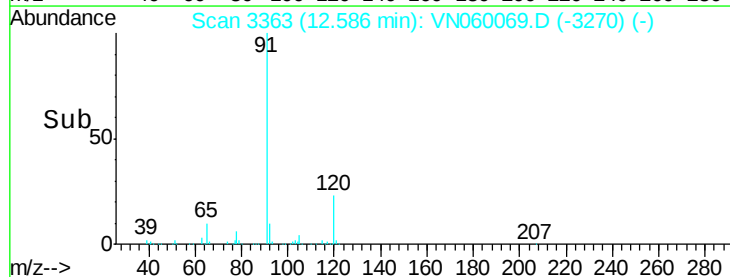
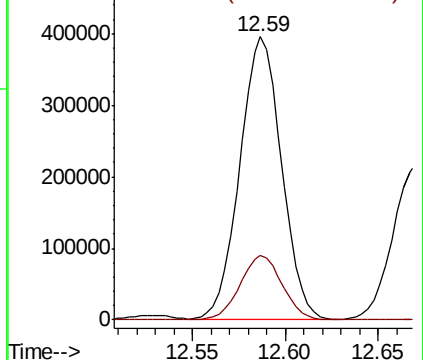
91 100

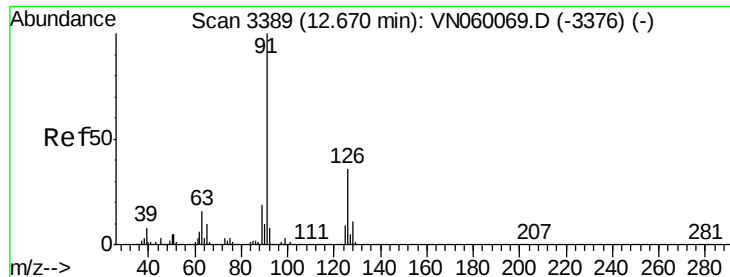
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

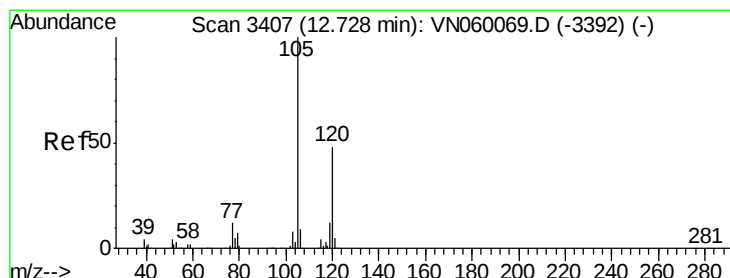
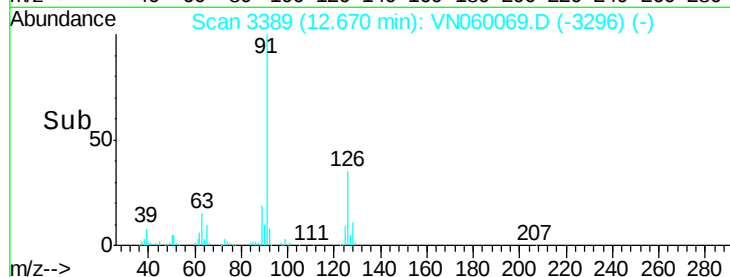
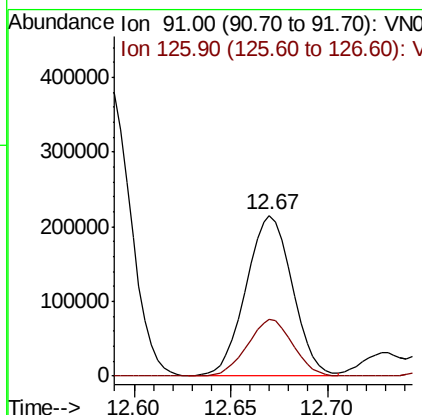
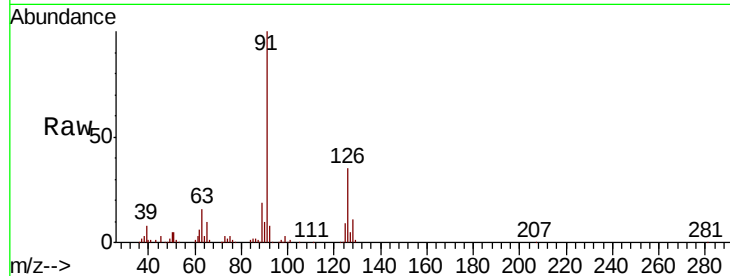




#79
 2-Chlorotoluene
 Concen: 45.664 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

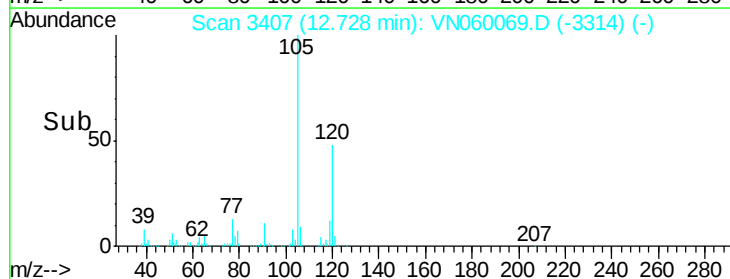
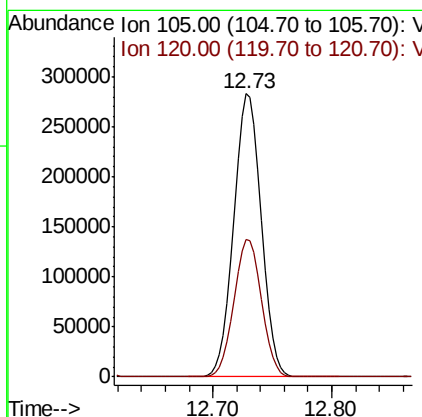
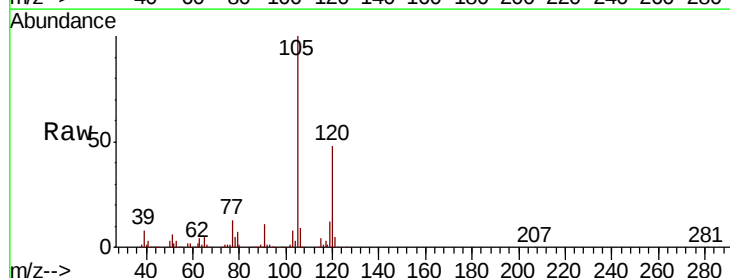
Instrument :
 MSVOA_N
 ClientSampled :

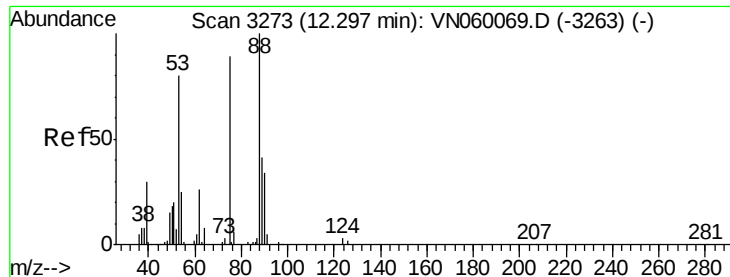
Tot Ion: 91 Resp: 357558
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 46.962 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

Tgt Ion: 105 Resp: 453239
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 51.712 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

ClientSampled :

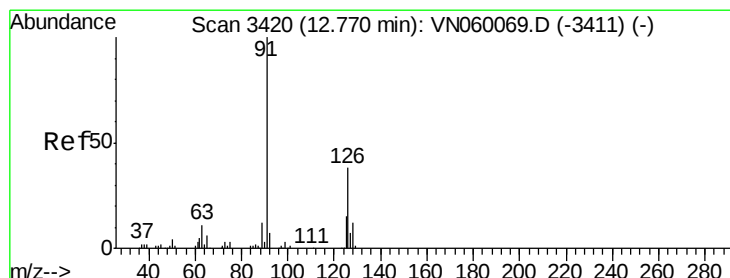
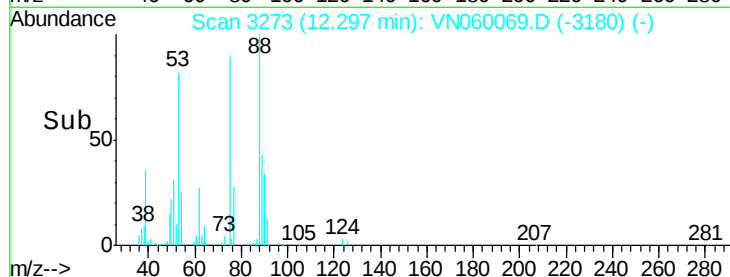
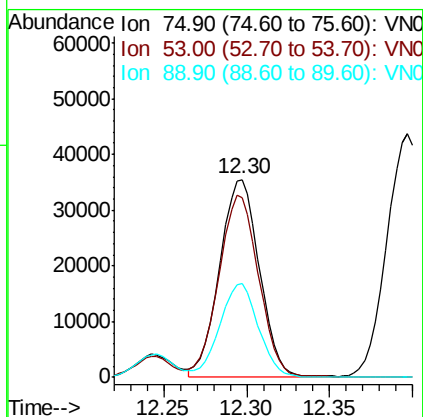
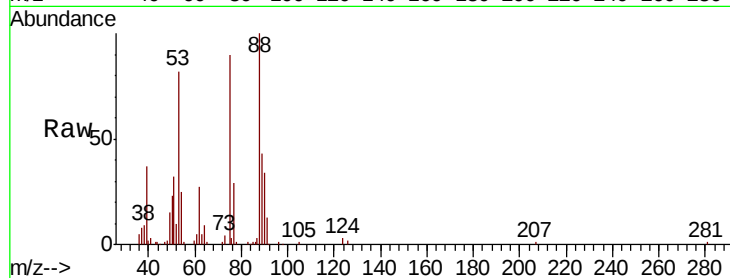
Tot Ion: 75 Resp: 59418

Ion Ratio Lower Upper

75 100

53 92.4 73.9 110.9

89 46.2 37.0 55.4



#82

4-Chlorotoluene

Concen: 46.957 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060069.D

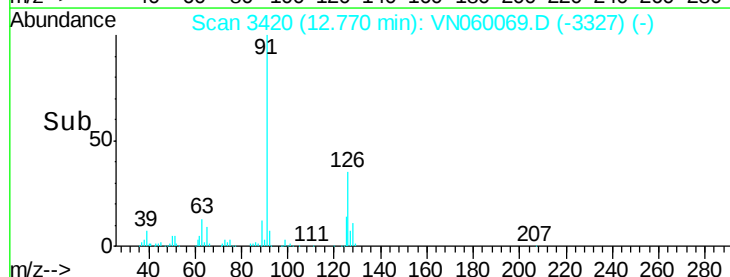
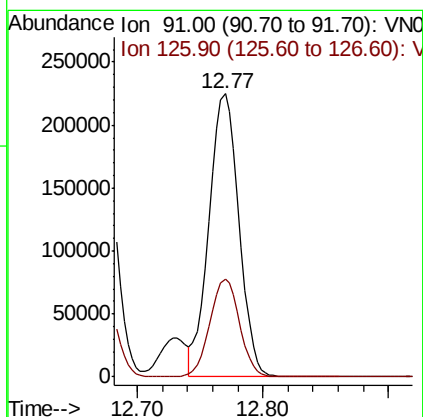
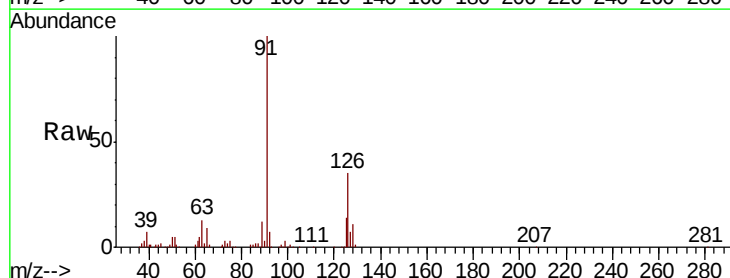
Acq: 12 Feb 2020 12:27

Tgt Ion: 91 Resp: 372259

Ion Ratio Lower Upper

91 100

126 34.2 17.1 51.3





#83

tert-Butylbenzene

Concen: 44.790 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

ClientSampleId :

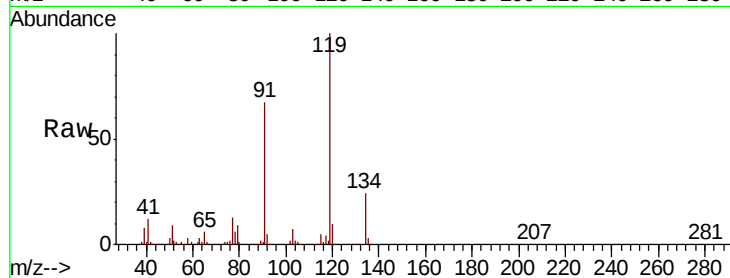
Tot Ion:119 Resp: 388742

Ion Ratio Lower Upper

119 100

91 65.4 32.7 98.1

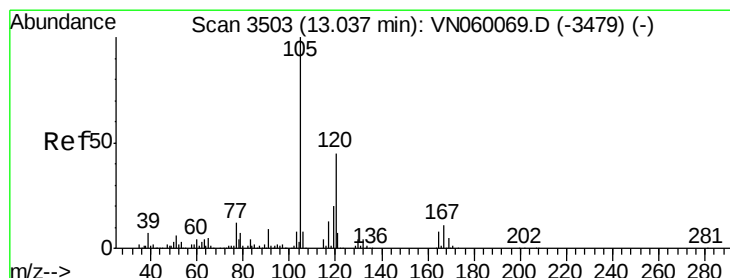
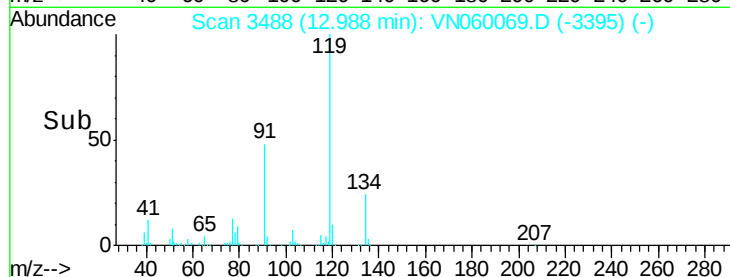
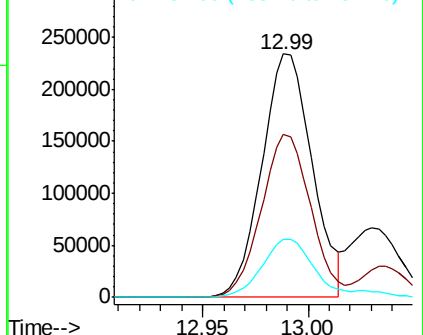
134 25.8 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.436 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060069.D

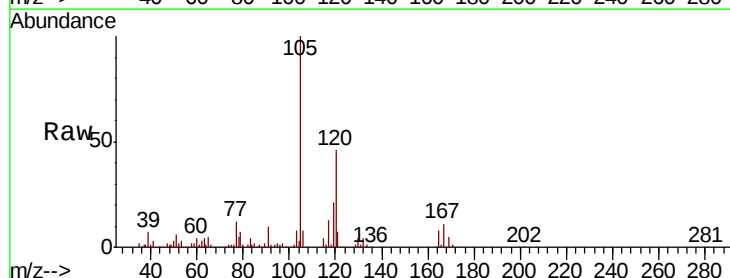
Acq: 12 Feb 2020 12:27

Tgt Ion:105 Resp: 456989

Ion Ratio Lower Upper

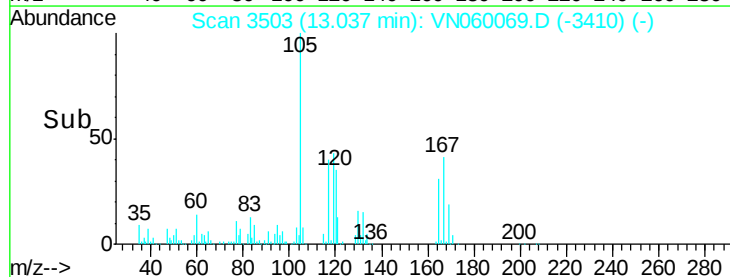
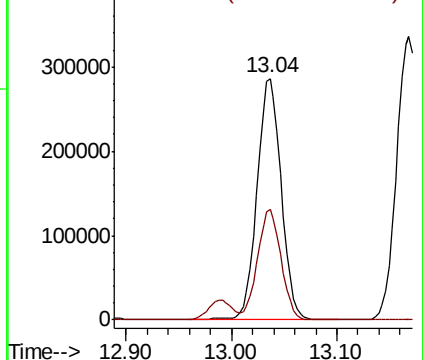
105 100

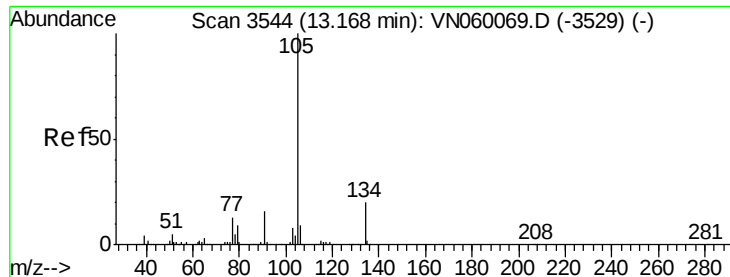
120 44.9 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

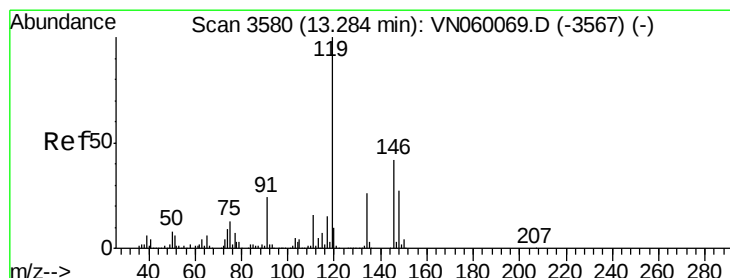
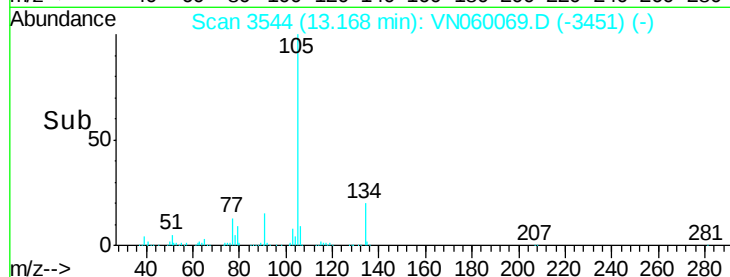
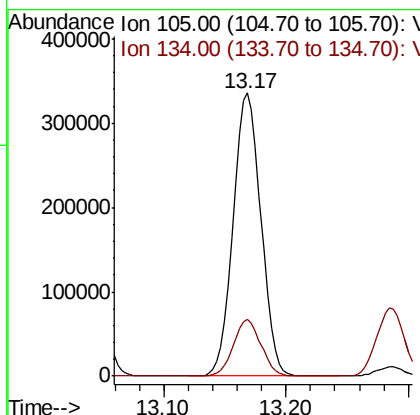
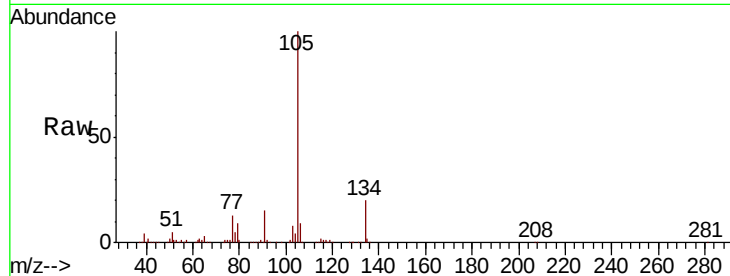




#85
 sec-Butylbenzene
 Concen: 46.683 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

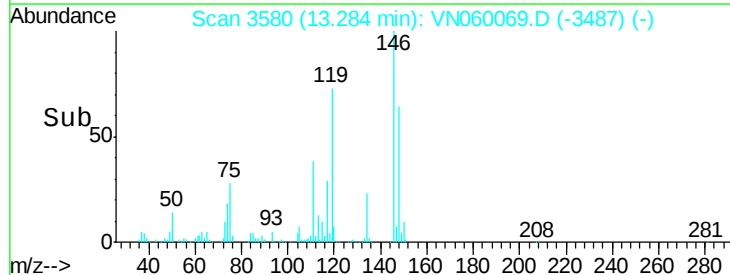
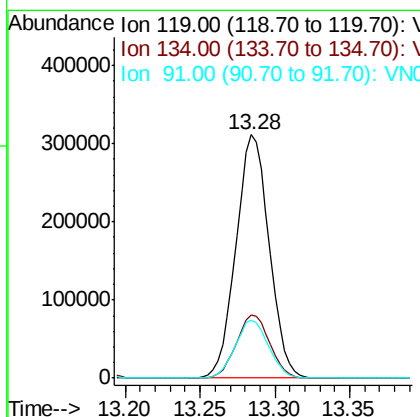
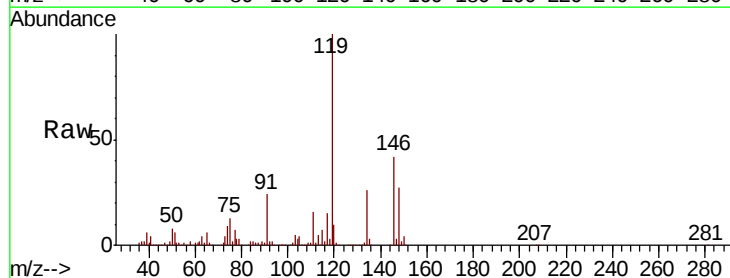
Instrument :
 MSVOA_N
 ClientSampled :

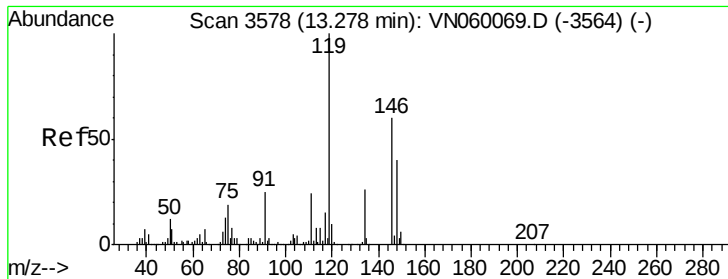
Tot Ion:105 Resp: 530020
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 47.101 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

Tgt Ion:119 Resp: 478937
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 23.9 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 48.176 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

Instrument :

MSVOA_N

ClientSampleId :

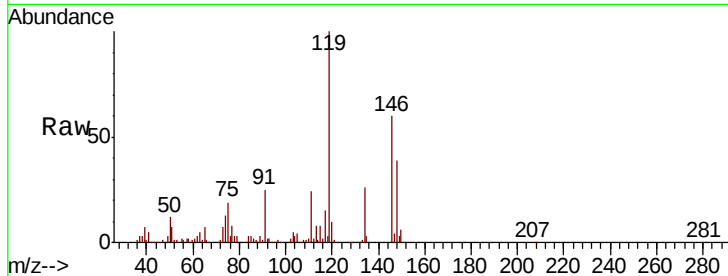
Tot Ion:146 Resp: 242196

Ion Ratio Lower Upper

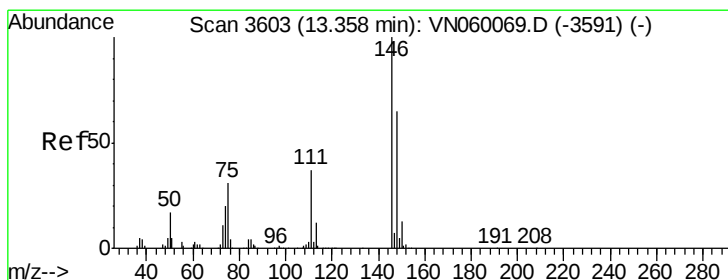
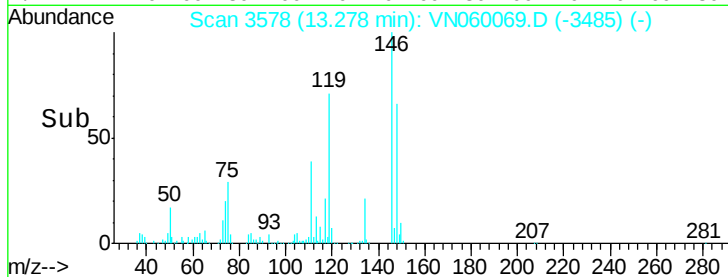
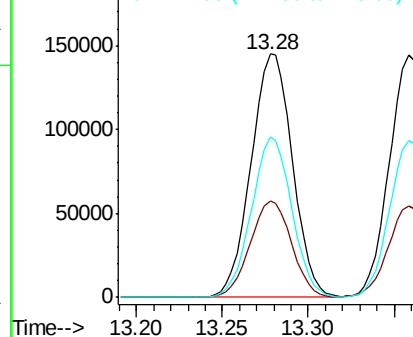
146 100

111 39.5 19.8 59.3

148 64.1 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 48.110 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060069.D

Acq: 12 Feb 2020 12:27

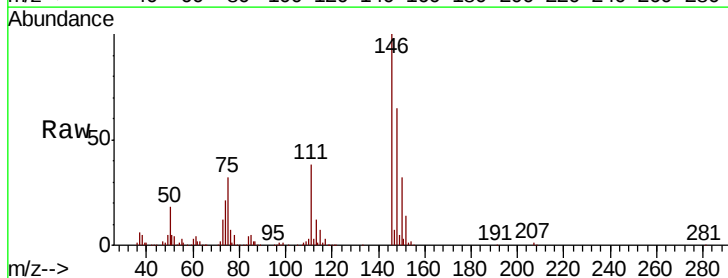
Tgt Ion:146 Resp: 239940

Ion Ratio Lower Upper

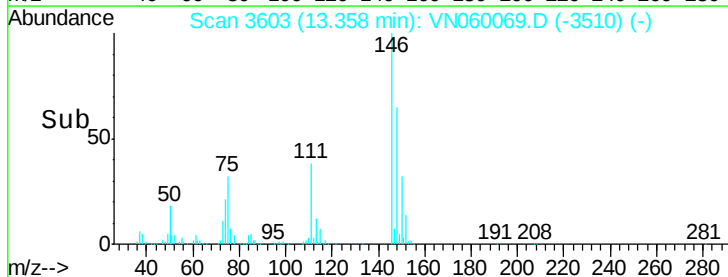
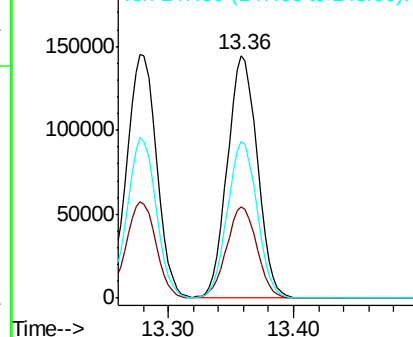
146 100

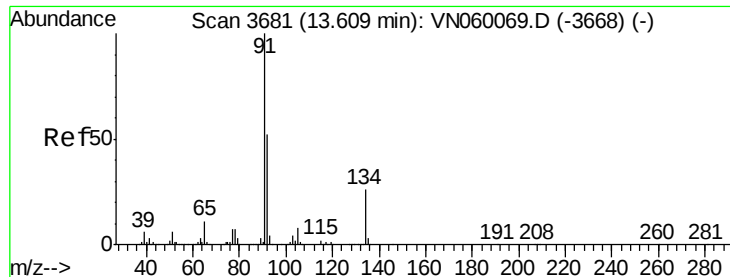
111 37.7 18.9 56.5

148 64.0 32.0 96.0



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

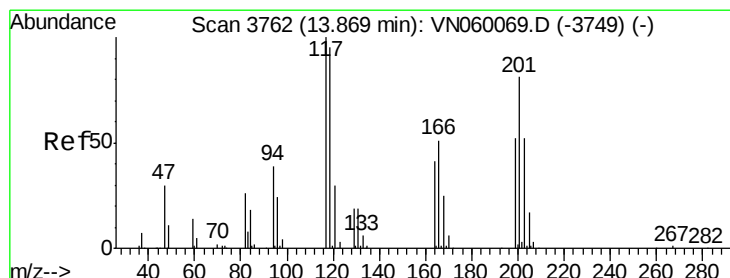
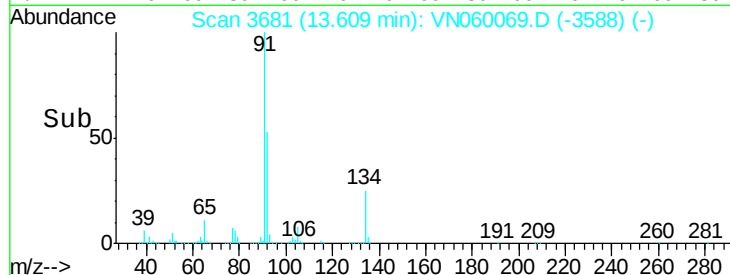
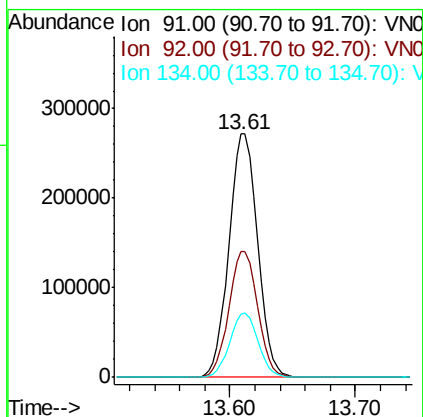
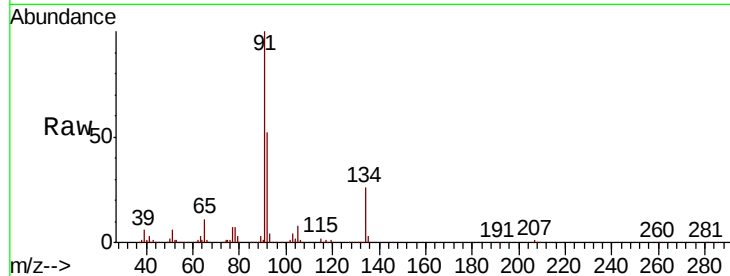




#89
n-Butylbenzene
Concen: 48.870 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

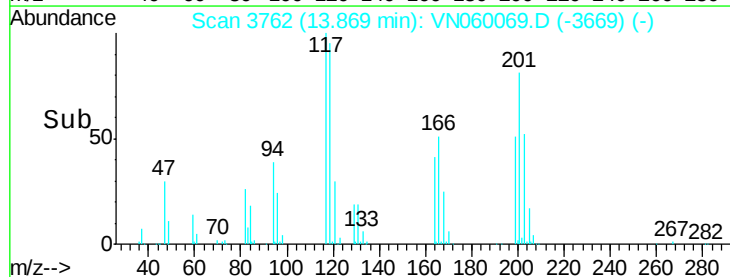
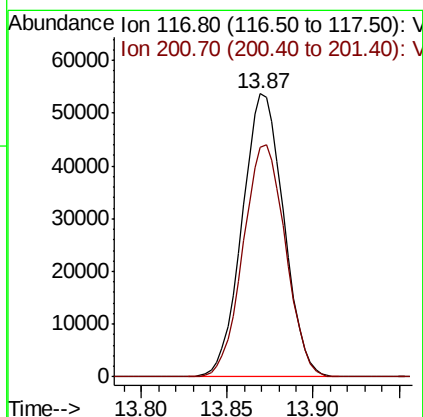
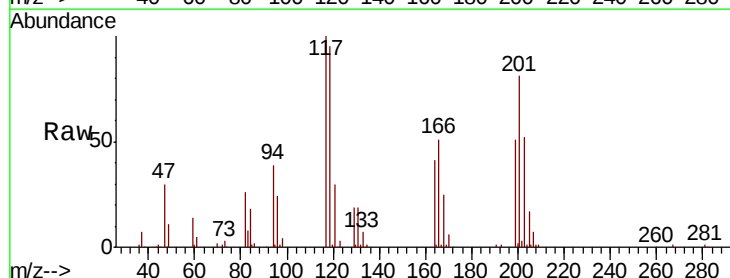
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 430384
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.2
134 26.2 13.1 39.3



#90
Hexachloroethane
Concen: 47.699 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion: 117 Resp: 90220
Ion Ratio Lower Upper
117 100
201 83.4 41.7 125.1





#91

1,2-Dichlorobenzene

Concen: 47.098 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060069.D

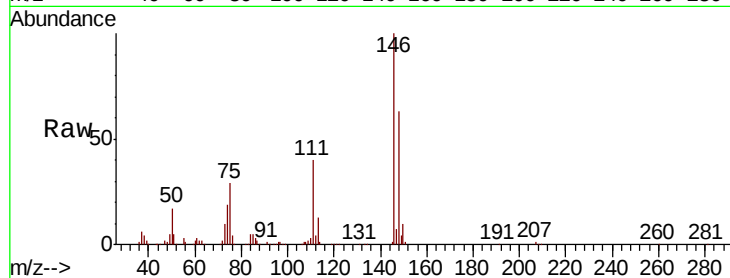
Acq: 12 Feb 2020 12:27

Instrument :

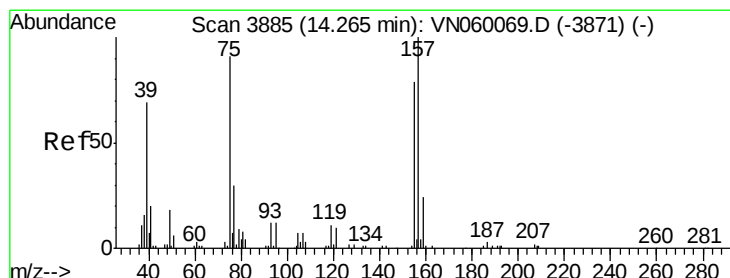
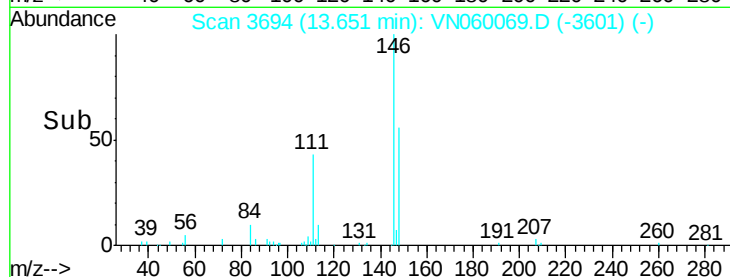
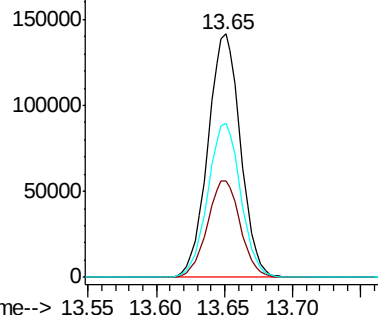
MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	234595
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	63.7	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: 44.067 ug/l

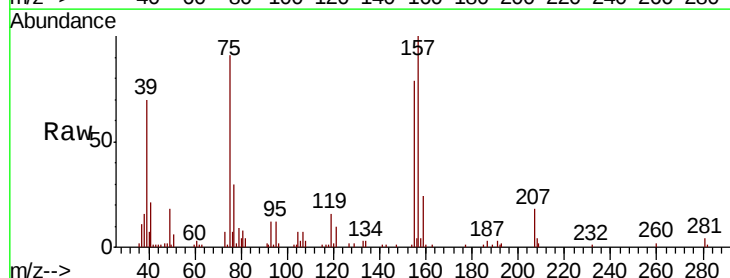
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

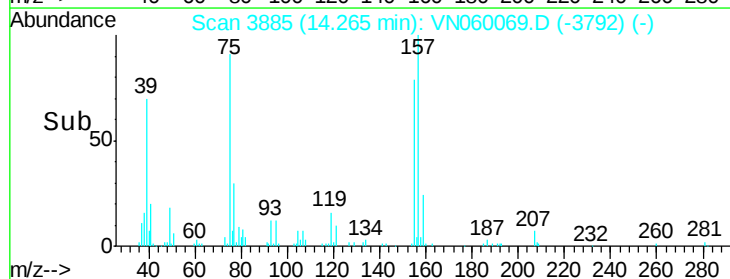
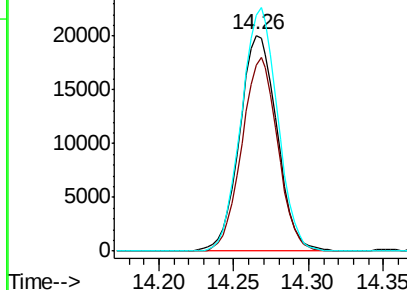
Lab File: VN060069.D

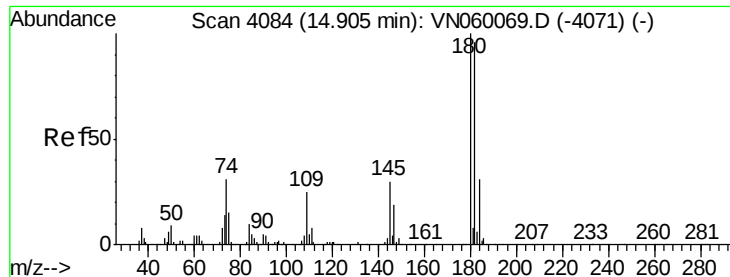
Acq: 12 Feb 2020 12:27

Tgt Ion:	75	Resp:	34889
Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.0	129.0
157	109.7	54.9	164.5



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

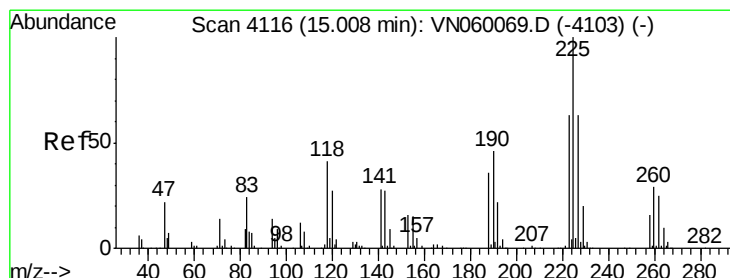
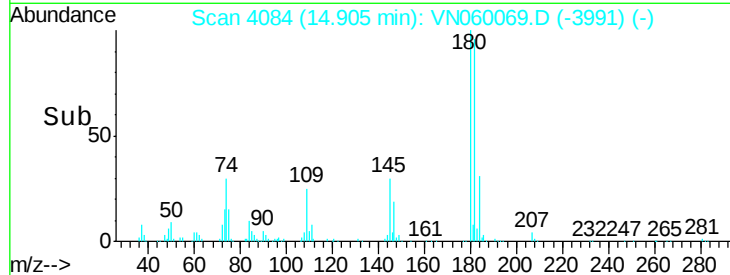
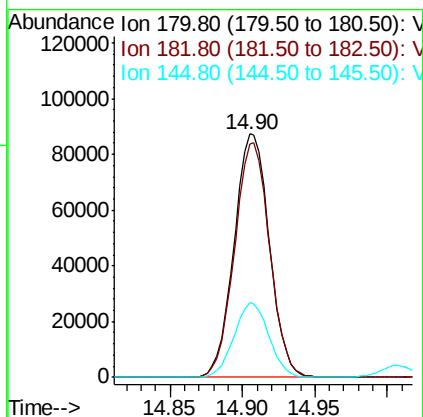
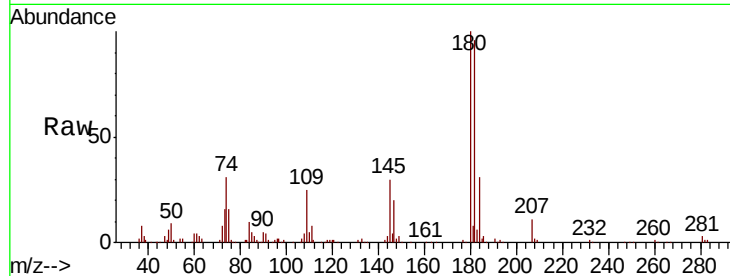




#93
 1,2,4-Trichlorobenzene
 Concen: 53.082 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

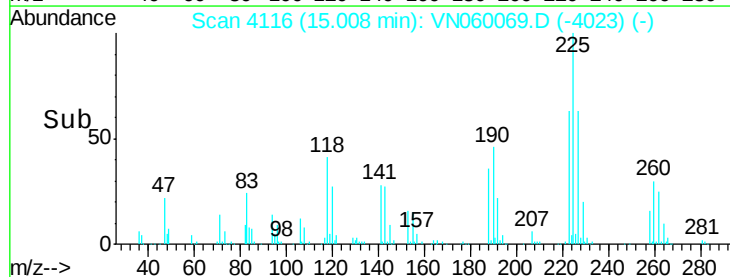
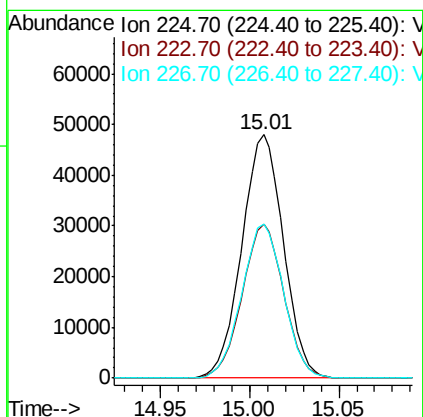
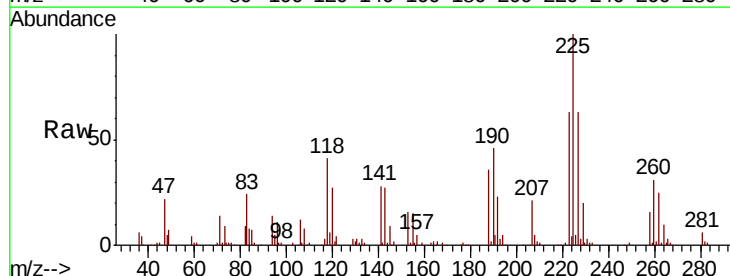
Instrument :
 MSVOA_N
 ClientSampled :

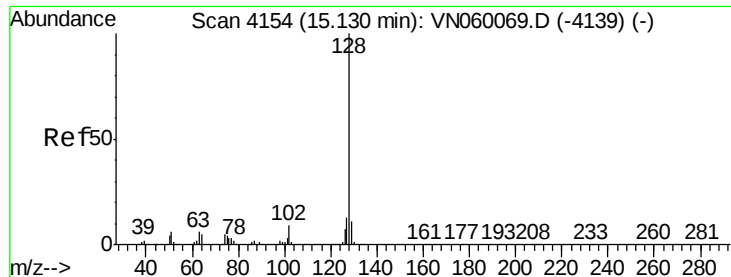
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	30.3	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 44.862 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060069.D
 Acq: 12 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	63.6	31.8	95.4

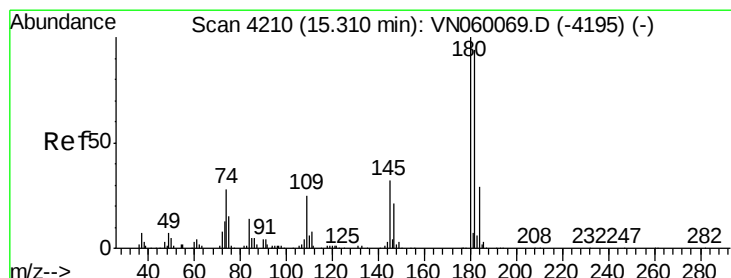
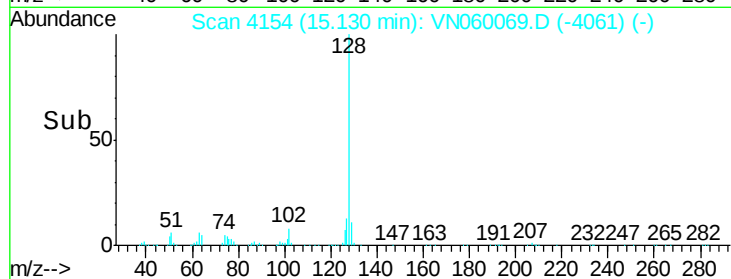
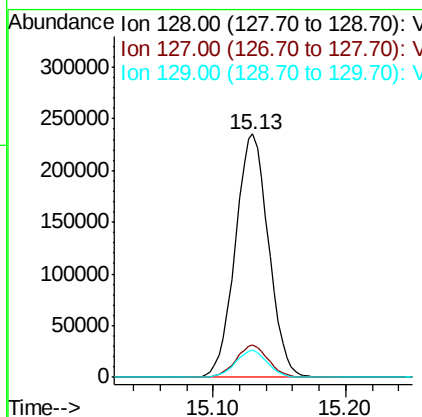
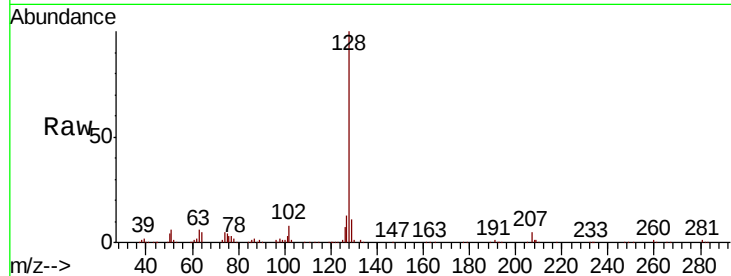




#95
Naphthalene
Concen: 55.811 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 408807
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.934 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060069.D
Acq: 12 Feb 2020 12:27

Tgt Ion:180 Resp: 143081
Ion Ratio Lower Upper
180 100
182 95.0 47.5 142.5
145 32.2 16.1 48.3

