

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060629.D
 Acq On : 19 Mar 2020 12:21
 Operator : JC/MD
 Sample : PB127661ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

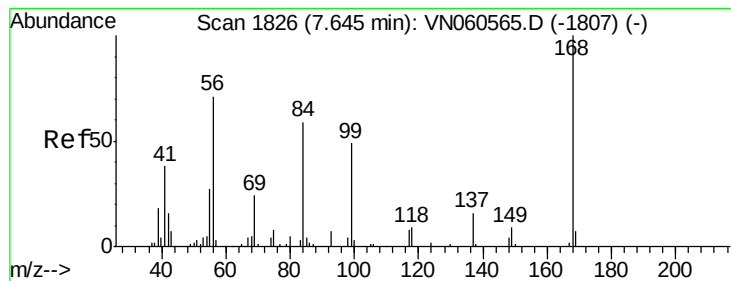
Quant Time: Mar 20 01:48:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	329490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	308218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135715	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	127471	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
35) Dibromofluoromethane	7.57	113	96386	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	10.08	98	405730	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	149319	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6574	6.789	ug/l	93
18) Methyl Acetate	4.30	43	1554	0.570	ug/l #	54
20) Methylene Chloride	4.52	84	7048	2.959	ug/l	94
25) 2-Butanone	6.81	43	1318	0.841	ug/l #	81
31) Cyclohexane	7.64	56	4134	0.939	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15653	4.906	ug/l #	50
37) Ethyl Acetate	6.81	43	1318	0.382	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19185	6.709	ug/l #	16
43) Isopropyl Acetate	8.14	43	66151	11.635	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1230	0.484	ug/l #	43
48) Methyl methacrylate	9.16	41	3385	1.337	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5393	1.667	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	27972	6.952	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4804	1.237	ug/l #	42
59) 2-Hexanone	10.75	43	68638	29.452	ug/l #	51
74) N-amyl acetate	12.02	43	3910	0.831	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	76049	25.969	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3558	0.412	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	76049	66.696	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	603	0.237	ug/l #	76
95) Naphthalene	15.13	128	1964	0.257	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.31	180	543	0.217	ug/l #	56

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060629.D

Acq: 19 Mar 2020 12:21

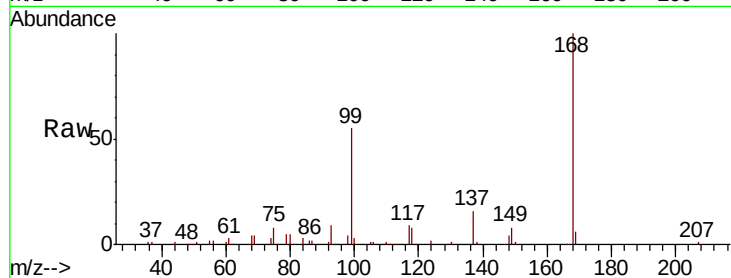
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 199125

Ion Ratio Lower Upper

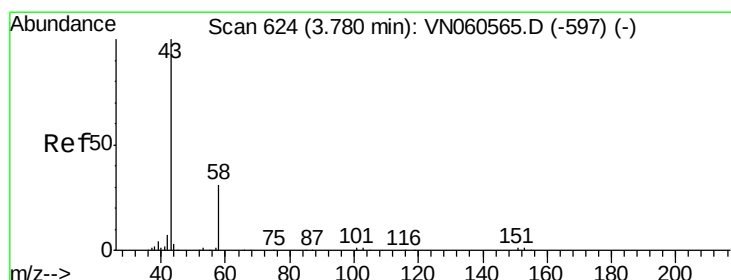
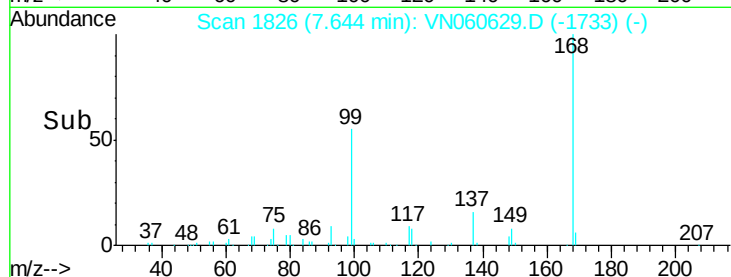
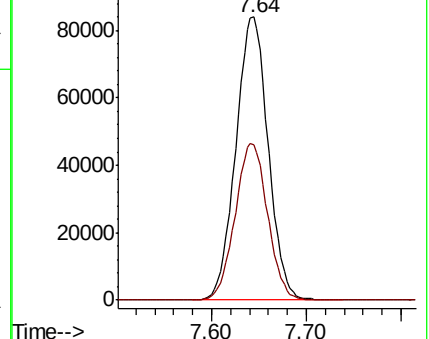
168 100

99 54.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.789 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060629.D

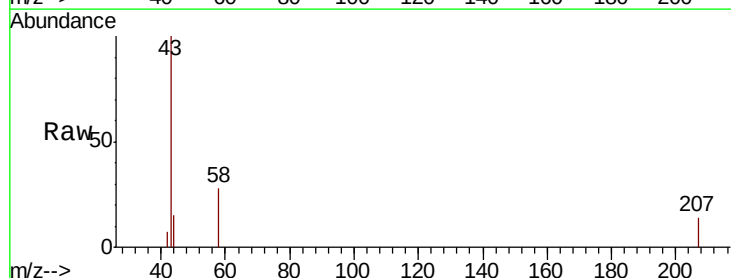
Acq: 19 Mar 2020 12:21

Tgt Ion: 43 Resp: 6574

Ion Ratio Lower Upper

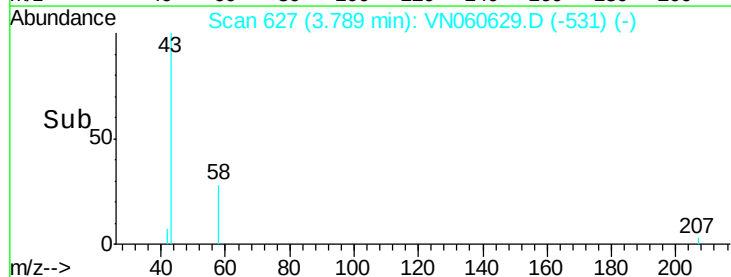
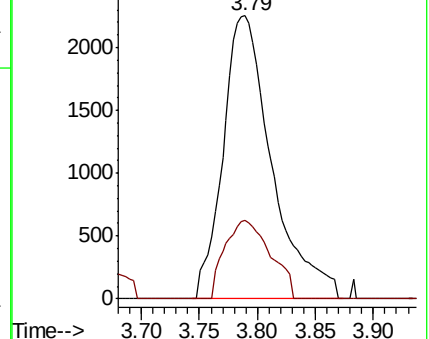
43 100

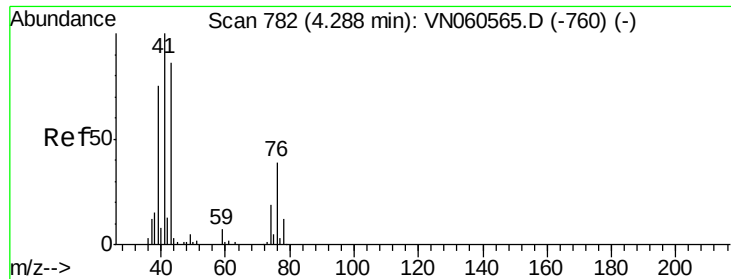
58 27.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

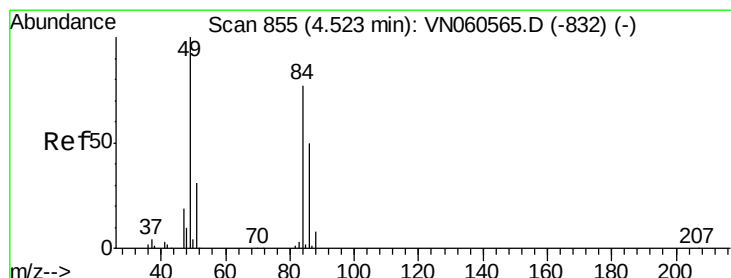
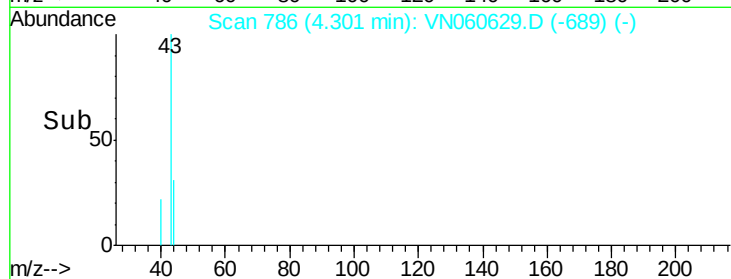
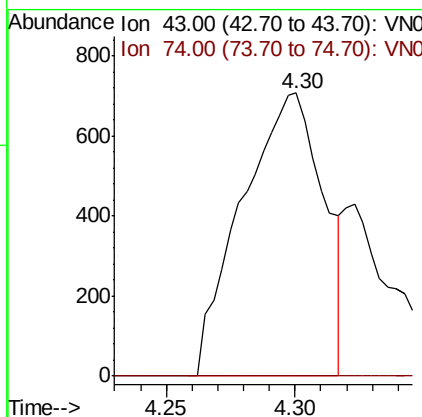
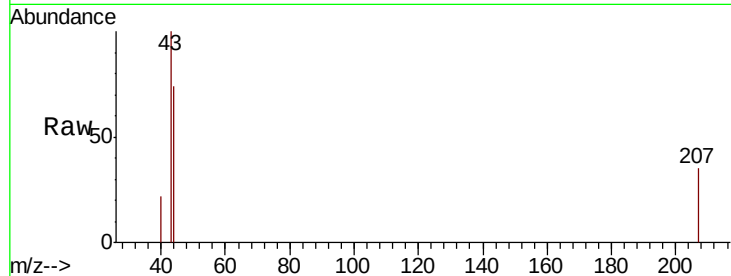




#18
Methyl Acetate
Concen: 0.570 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

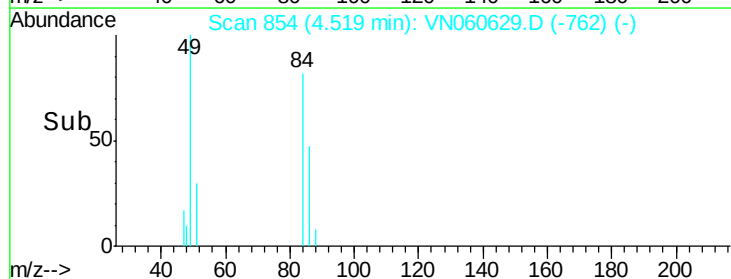
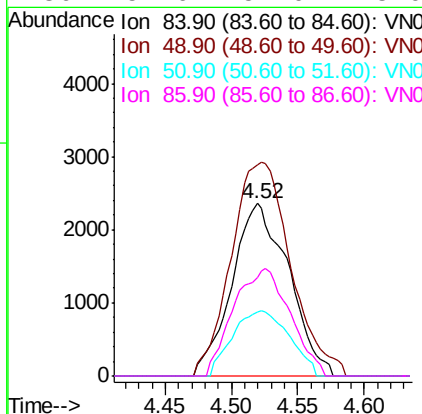
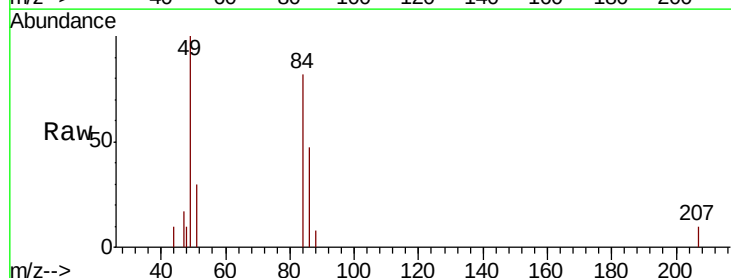
Instrument :
MSVOA_N
ClientSampled :

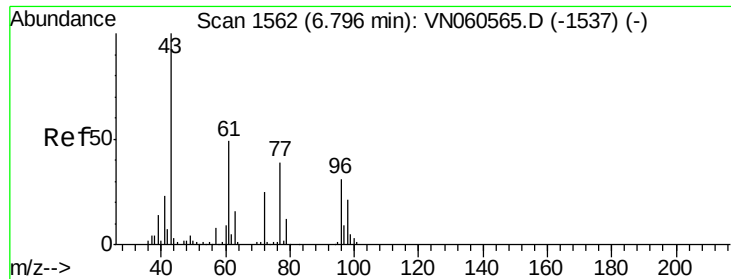
Tot Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.959 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

Tgt Ion: 84 Resp: 7048
Ion Ratio Lower Upper
84 100
49 122.6 103.3 154.9
51 36.8 31.6 47.4
86 57.6 52.0 78.0

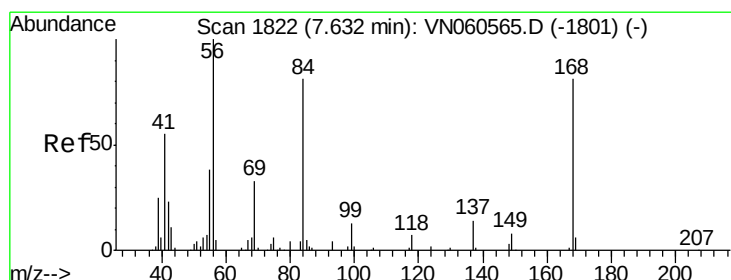
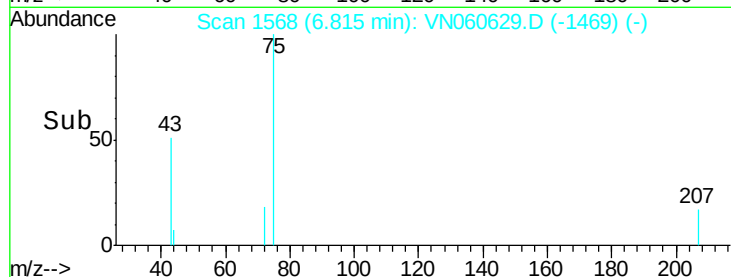
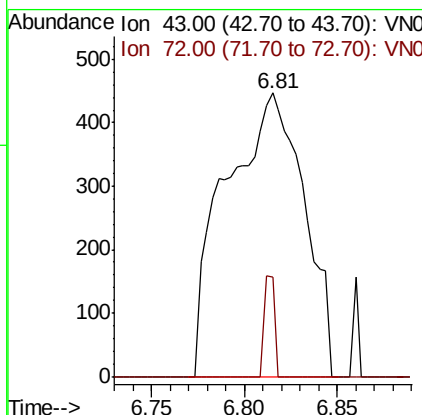
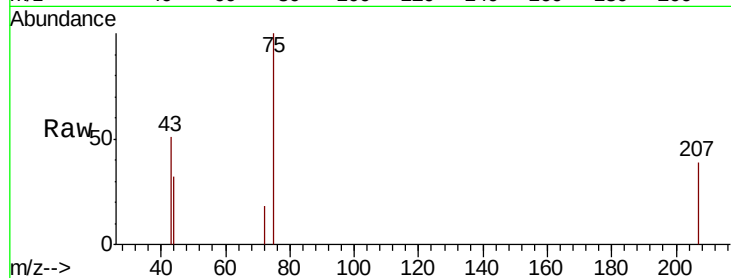




#25
2-Butanone
Concen: 0.841 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

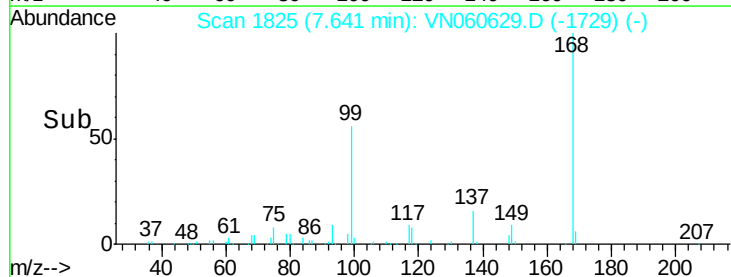
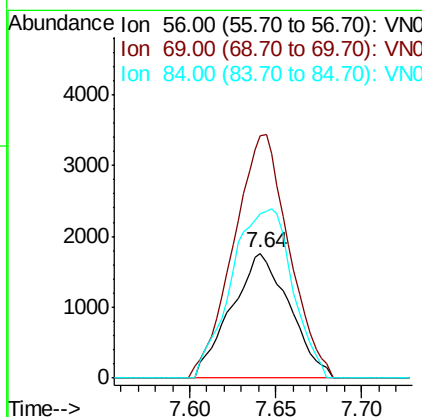
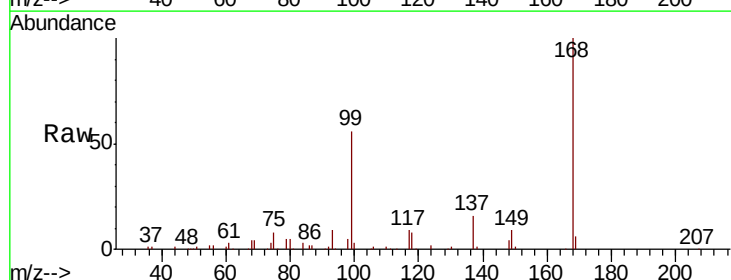
Instrument :
MSVOA_N
ClientSampled :

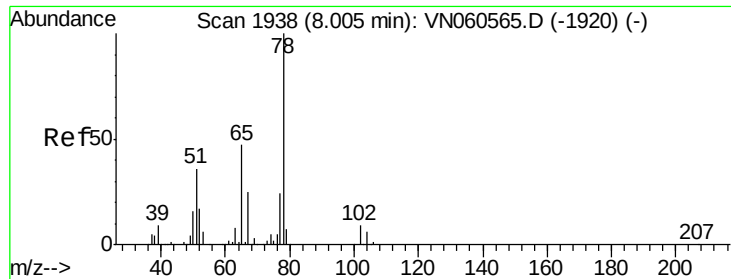
Tot Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
72 34.9 20.4 30.6#



#31
Cyclohexane
Concen: 0.939 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

Tgt Ion: 56 Resp: 4134
Ion Ratio Lower Upper
56 100
69 194.0 26.6 40.0#
84 130.9 64.3 96.5#

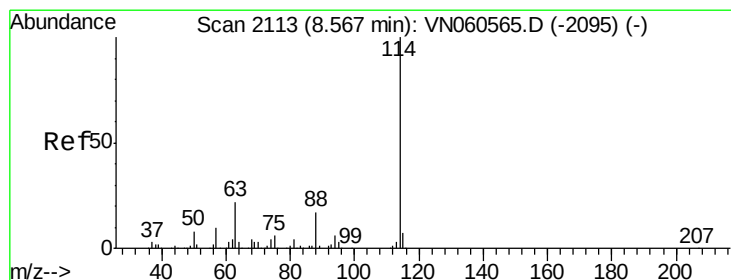
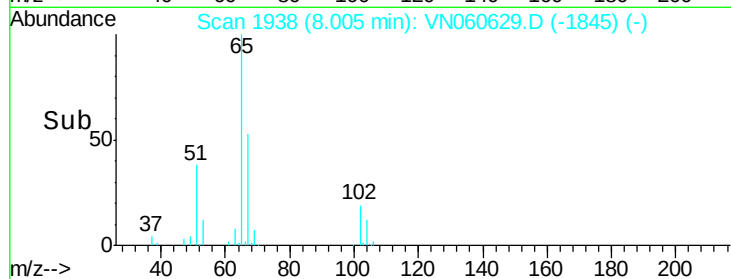
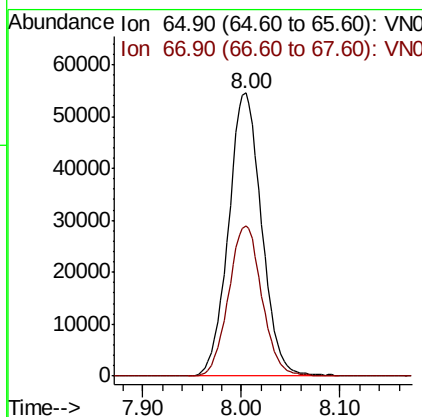
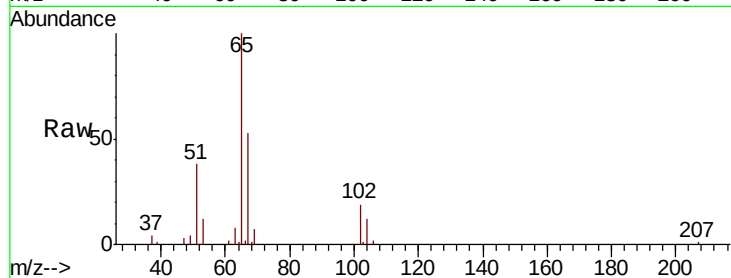




#33
 1,2-Dichloroethane-d4
 Concen: 46.632 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060629.D
 Acq: 19 Mar 2020 12:21

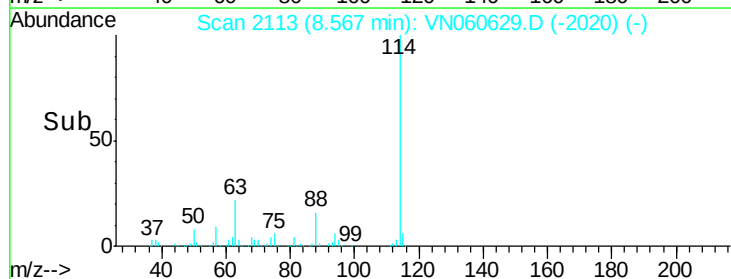
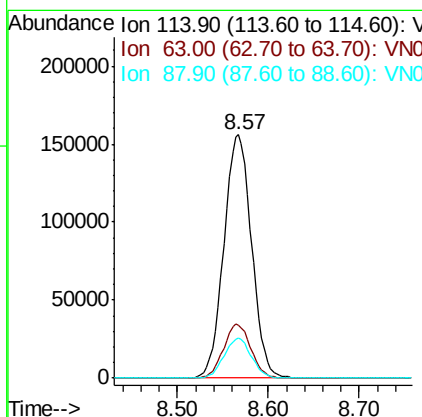
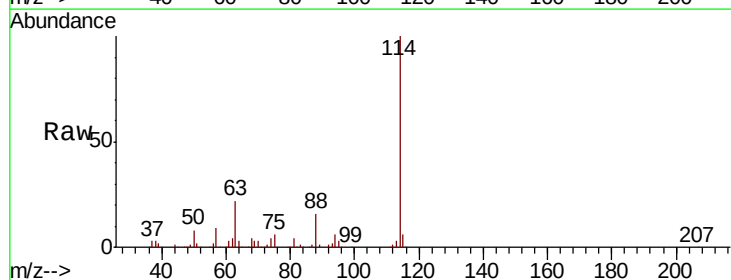
Instrument :
 MSVOA_N
 ClientSampleId :

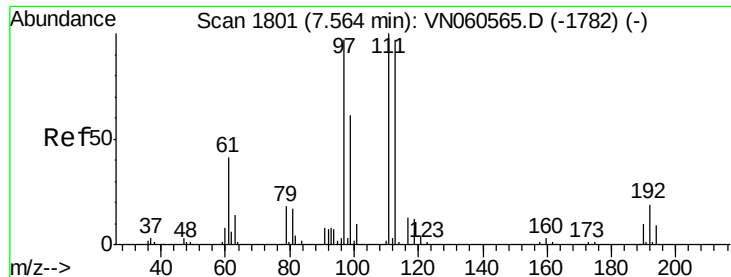
Tot Ion: 65 Resp: 127471
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060629.D
 Acq: 19 Mar 2020 12:21

Tgt Ion: 114 Resp: 329490
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.4 0.0 33.0

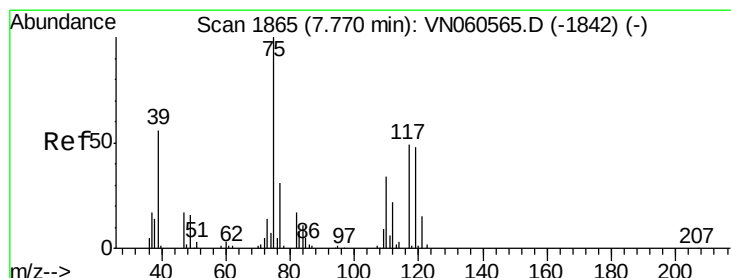
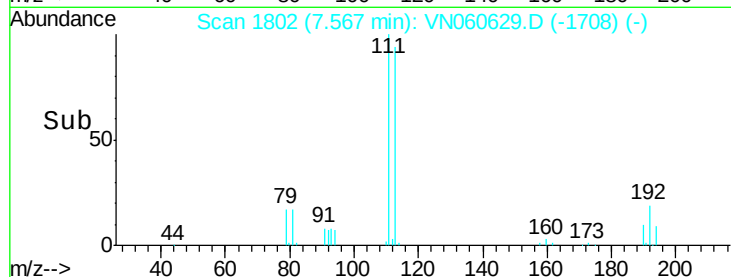
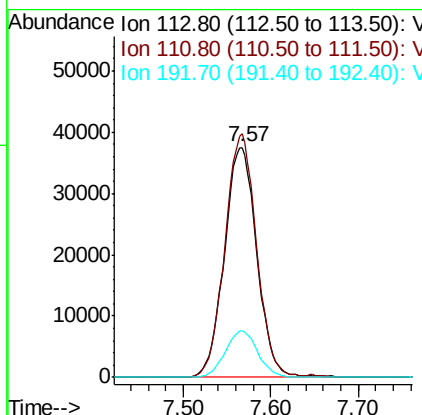
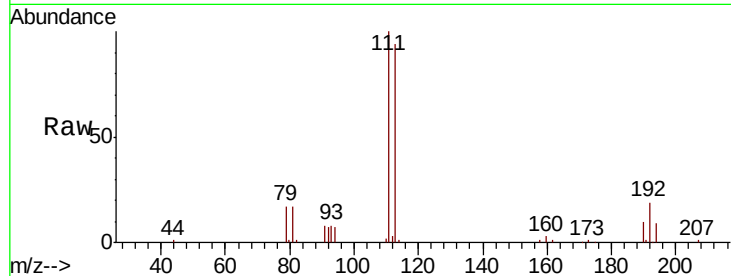




#35
Dibromofluoromethane
Concen: 48.379 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

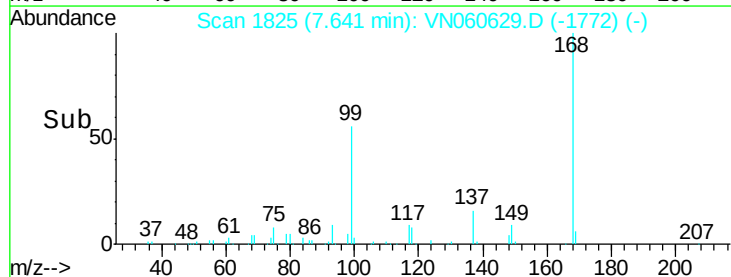
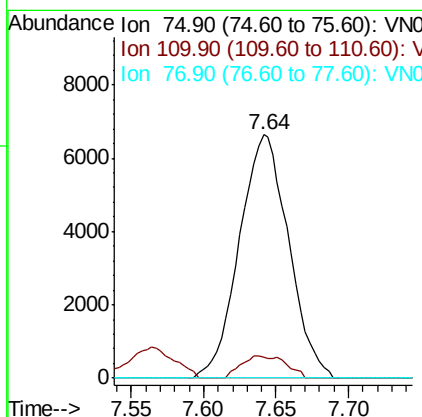
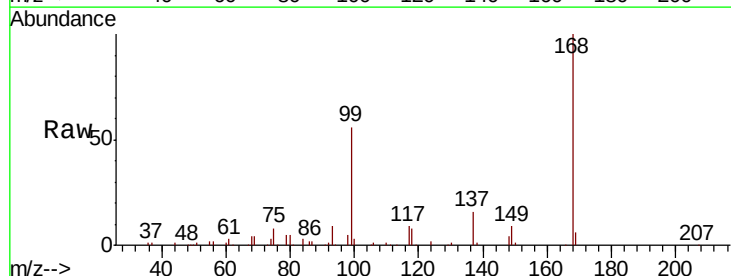
Instrument :
MSVOA_N
ClientSampled :

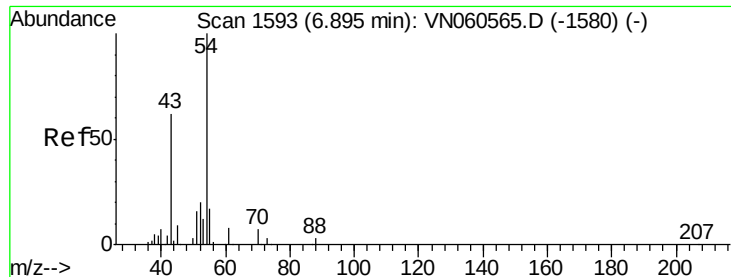
Tot Ion:113 Resp: 96386
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 20.1 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

Tgt Ion: 75 Resp: 15653
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.6#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.382 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.08 min

Lab File: VN060629.D

Acq: 19 Mar 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :

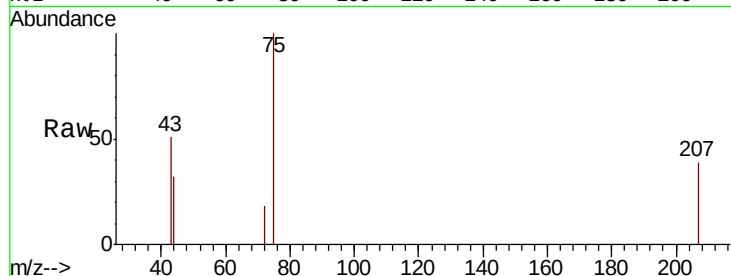
Tot Ion: 43 Resp: 1318

Ion Ratio Lower Upper

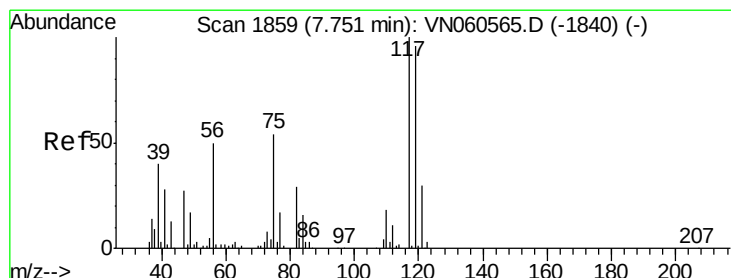
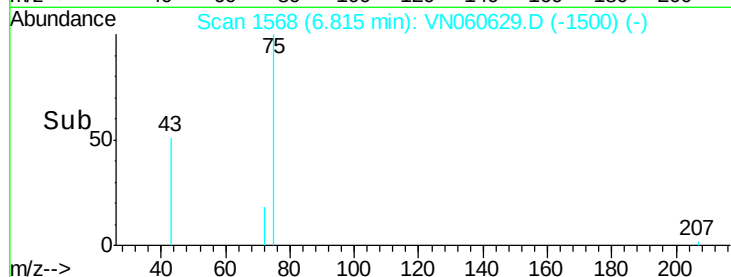
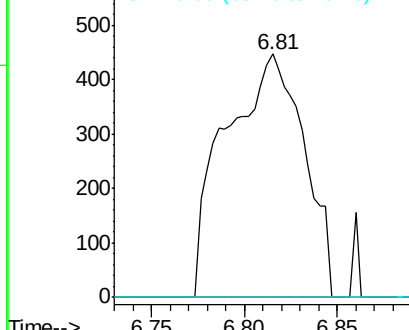
43 100

61 0.0 10.6 15.8#

70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 6.709 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060629.D

Acq: 19 Mar 2020 12:21

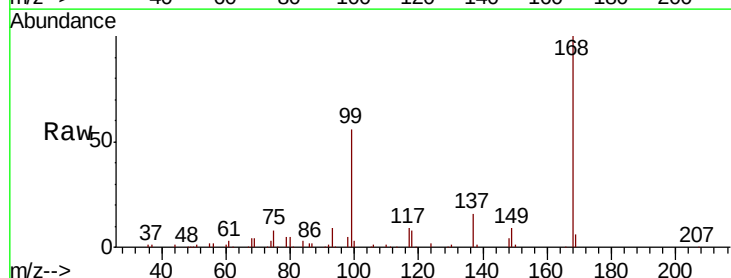
Tgt Ion: 117 Resp: 19185

Ion Ratio Lower Upper

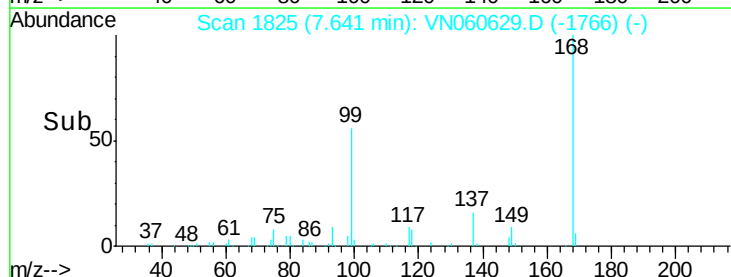
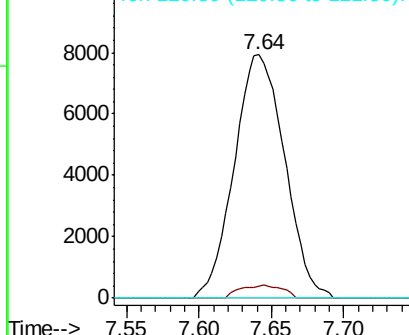
117 100

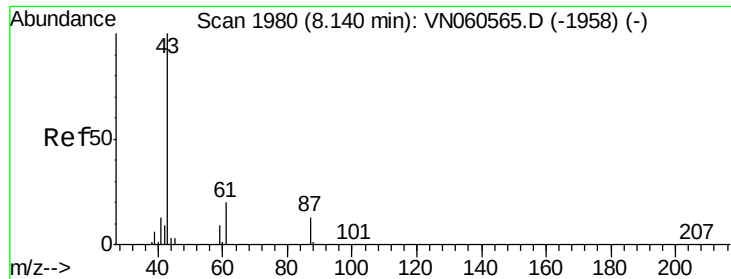
119 4.9 76.2 114.2#

121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 11.635 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060629.D

Acq: 19 Mar 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

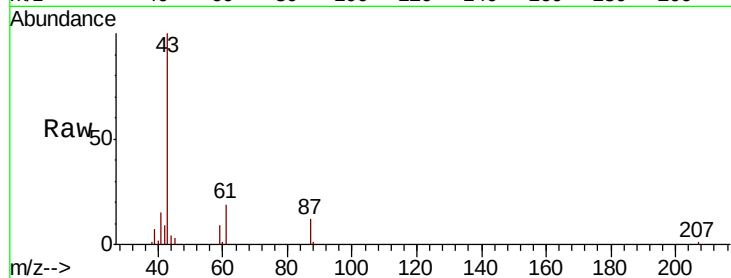
Tot Ion: 43 Resp: 66151

Ion Ratio Lower Upper

43 100

61 19.3 20.7 31.1#

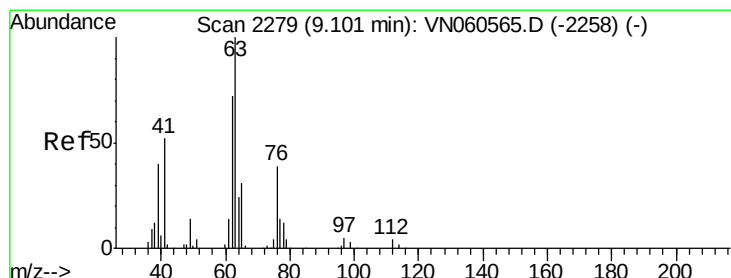
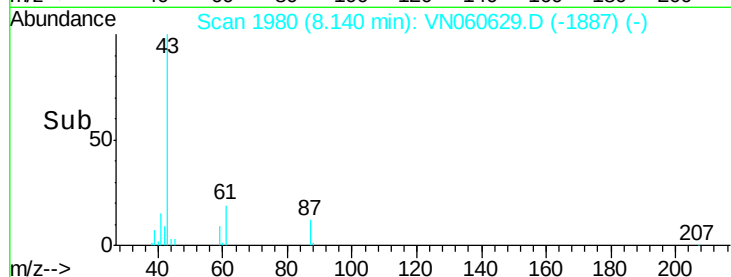
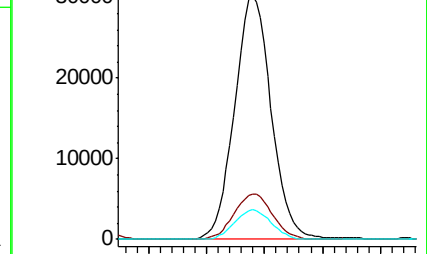
87 12.1 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060629.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060629.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060629.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.484 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060629.D

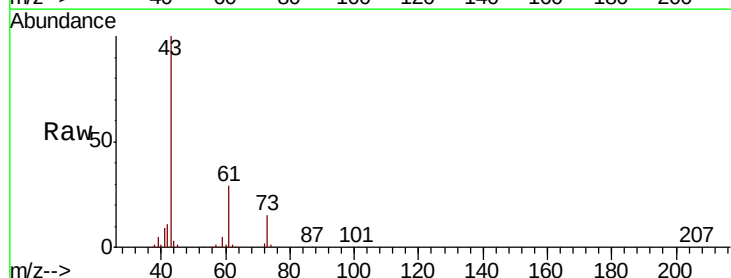
Acq: 19 Mar 2020 12:21

Tgt Ion: 63 Resp: 1230

Ion Ratio Lower Upper

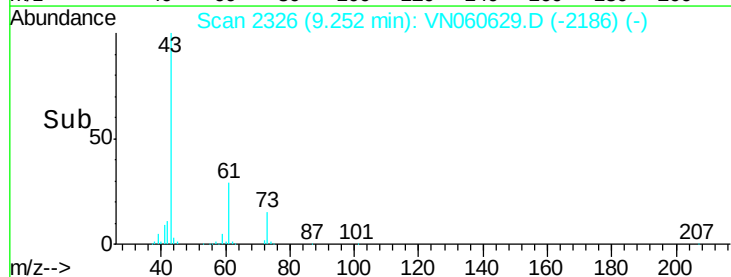
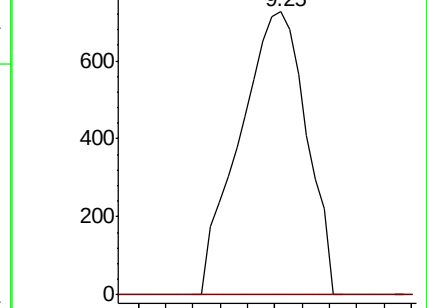
63 100

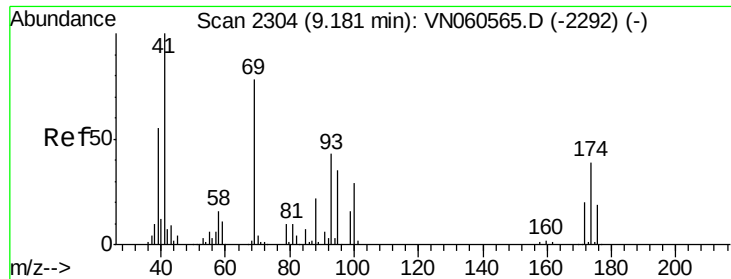
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060629.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060629.D (-2186) (-)

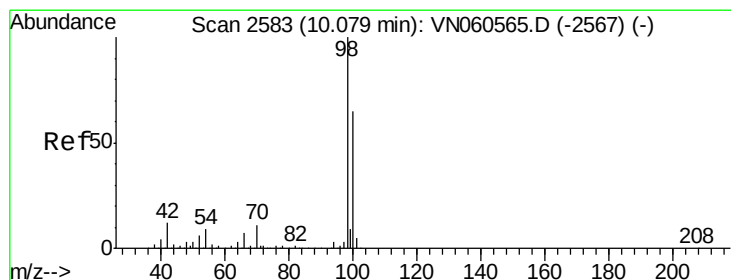
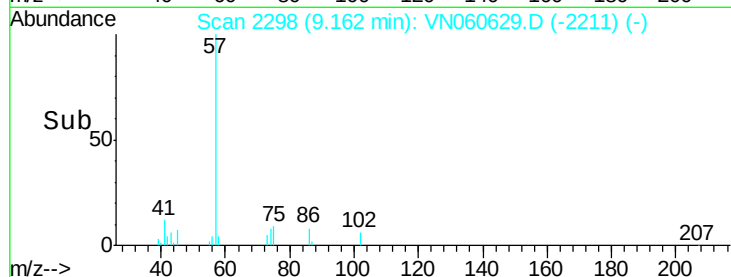
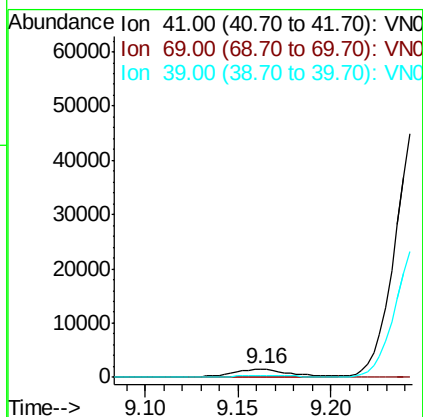
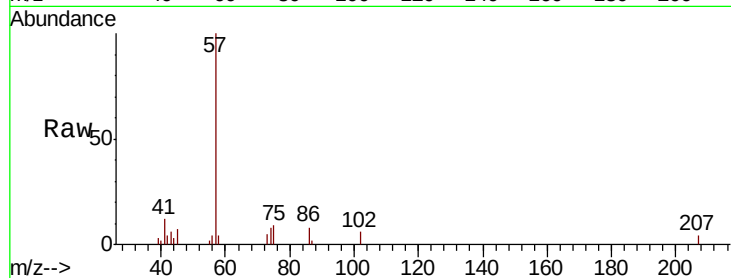




#48
Methvl methacrylate
Concen: 1.337 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

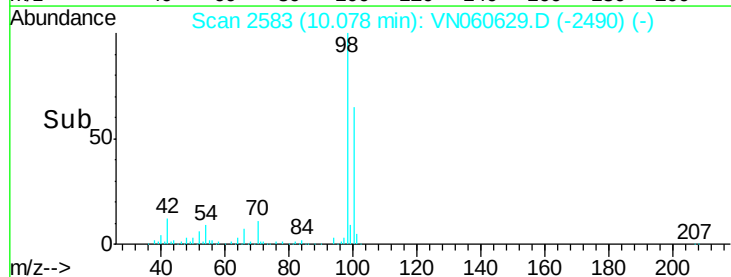
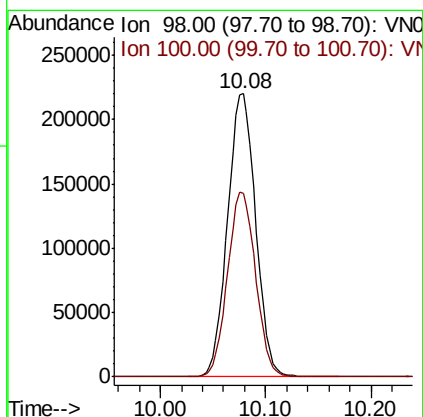
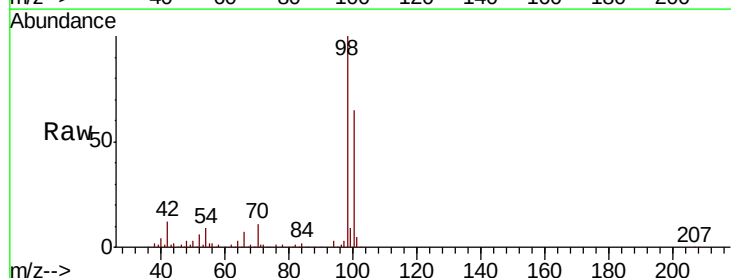
Instrument :
MSVOA_N
ClientSampled :

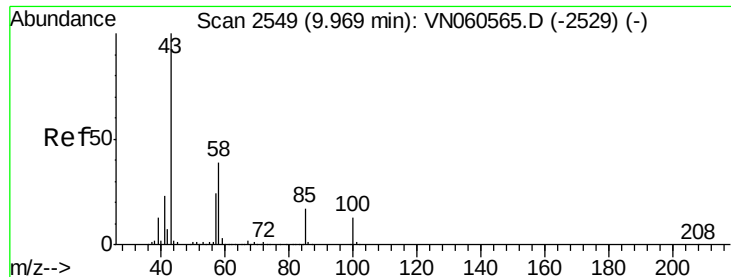
Tot Ion: 41 Resp: 3385
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 49.857 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

Tgt Ion: 98 Resp: 405730
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8

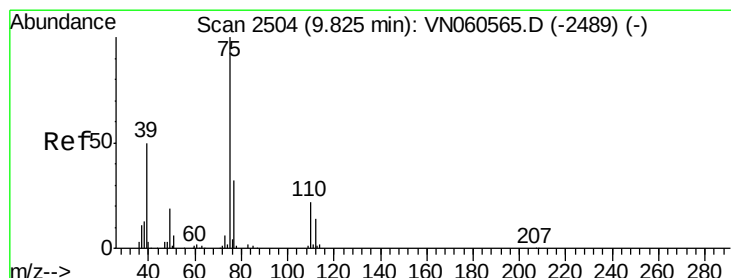
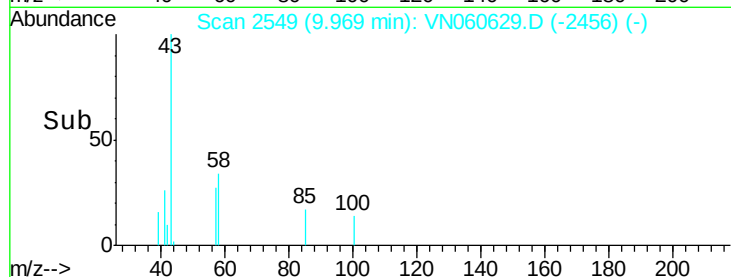
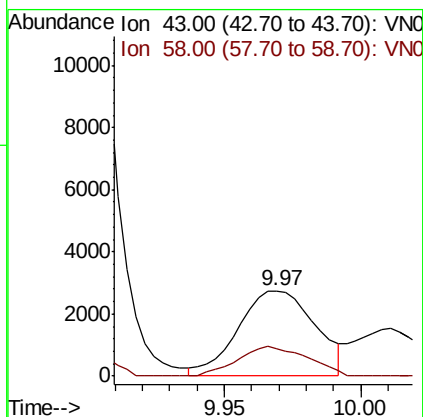
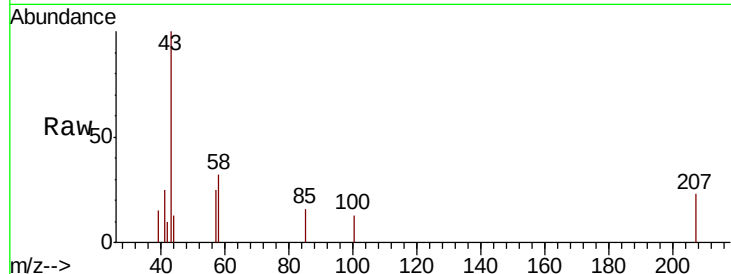




#51
4-Methyl-2-Pentanone
Concen: 1.667 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

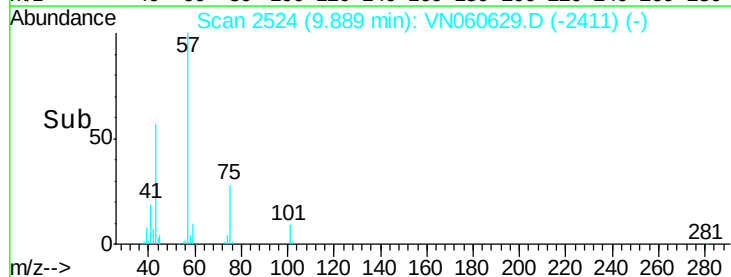
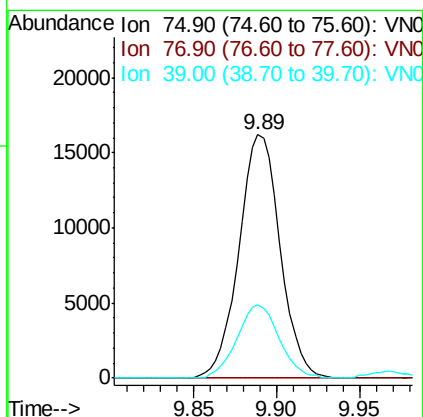
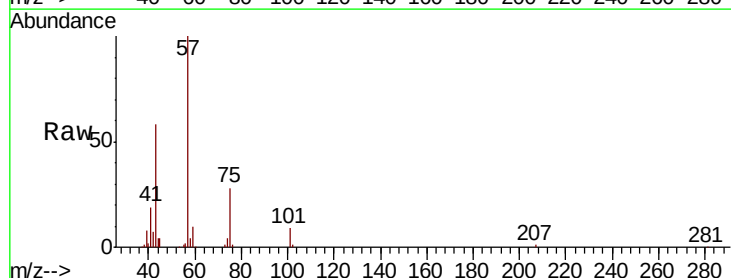
Instrument :
MSVOA_N
ClientSampled :

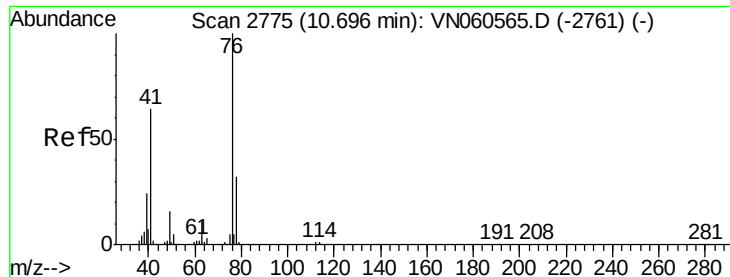
Tot Ion: 43 Resp: 5393
Ion Ratio Lower Upper
43 100
58 31.8 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 6.952 ug/l
RT: 9.89 min Scan# 2524
Delta R.T. 0.06 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

Tgt Ion: 75 Resp: 27972
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 30.1 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 1.237 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060629.D

Acq: 19 Mar 2020 12:21

Instrument :

MSVOA_N

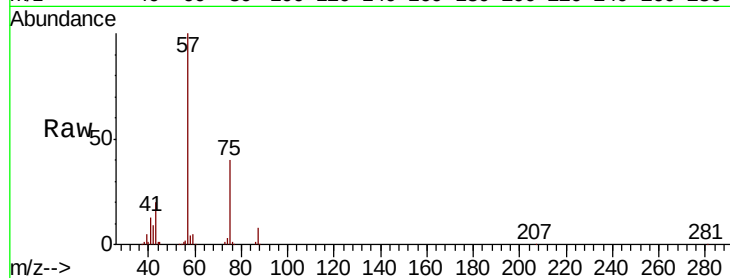
ClientSampleId :

Tot Ion: 76 Resp: 4804

Ion Ratio Lower Upper

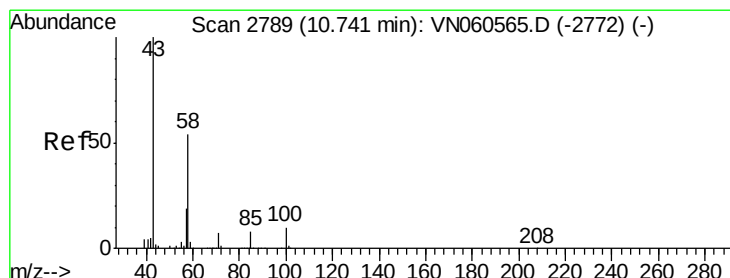
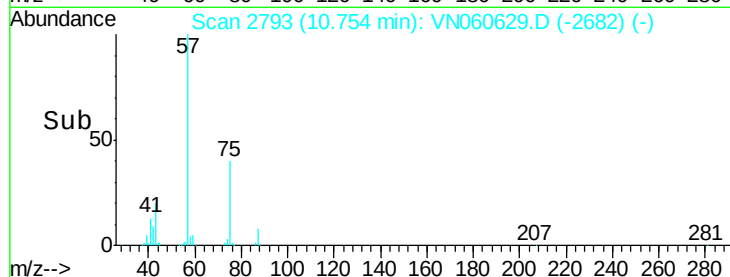
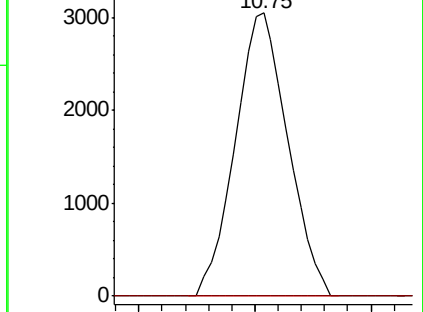
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN060629.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060629.D (-2682) (-)



#59

2-Hexanone

Concen: 29.452 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060629.D

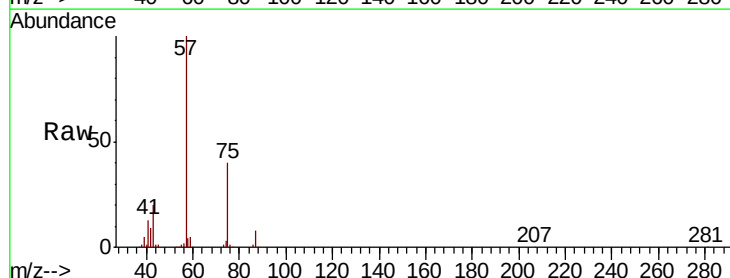
Acq: 19 Mar 2020 12:21

Tgt Ion: 43 Resp: 68638

Ion Ratio Lower Upper

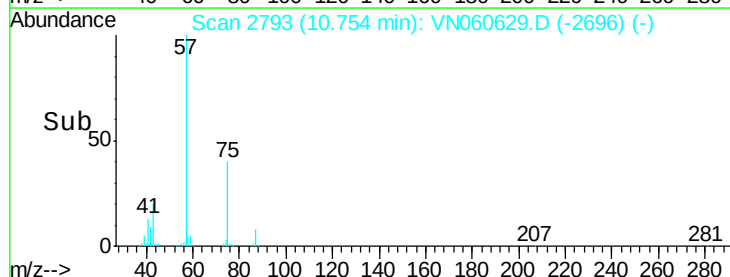
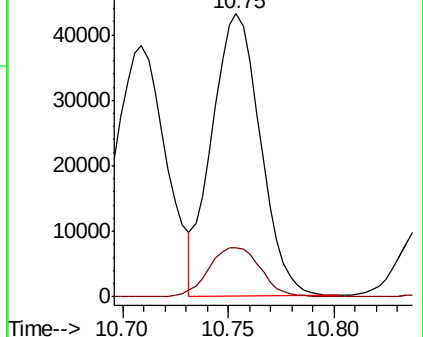
43 100

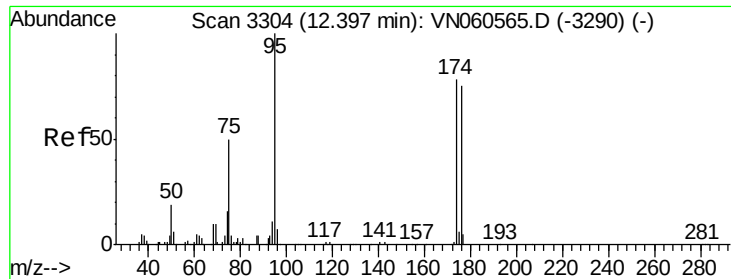
58 18.8 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN060629.D (-2696) (-)

Ion 58.00 (57.70 to 58.70): VN060629.D (-2696) (-)





#62

4-Bromofluorobenzene

Concen: 50.067 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060629.D

Acq: 19 Mar 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

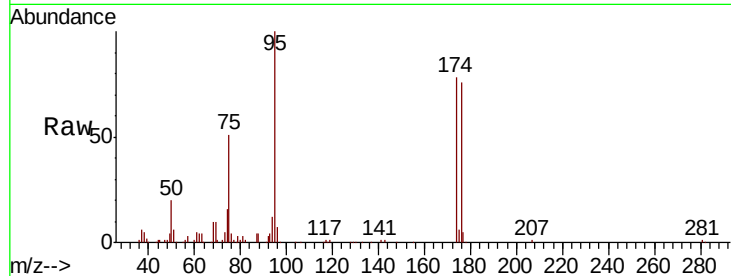
Tot Ion: 95 Resp: 149319

Ion Ratio Lower Upper

95 100

174 78.6 0.0 157.6

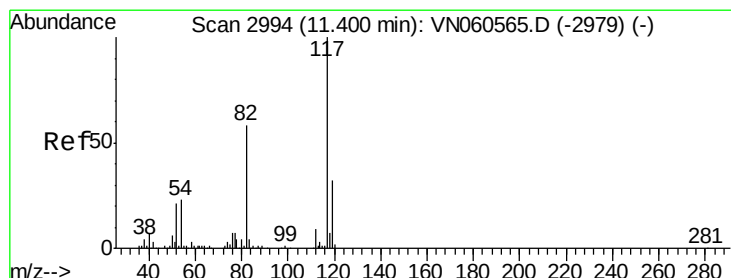
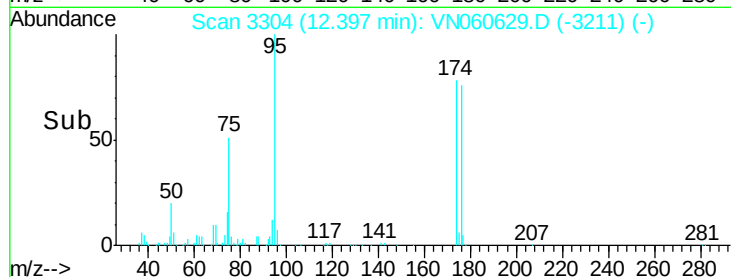
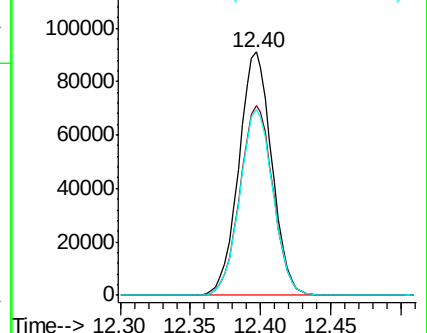
176 76.9 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060629.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060629.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060629.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060629.D

Acq: 19 Mar 2020 12:21

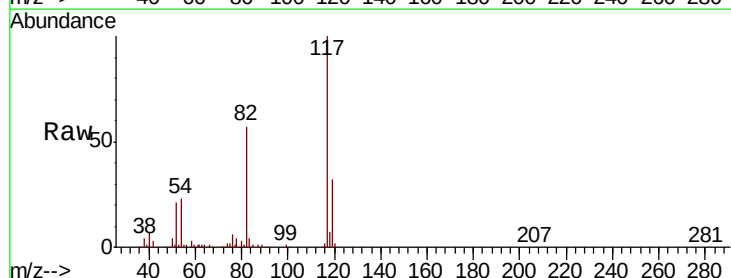
Tgt Ion: 117 Resp: 308218

Ion Ratio Lower Upper

117 100

82 57.3 46.7 70.1

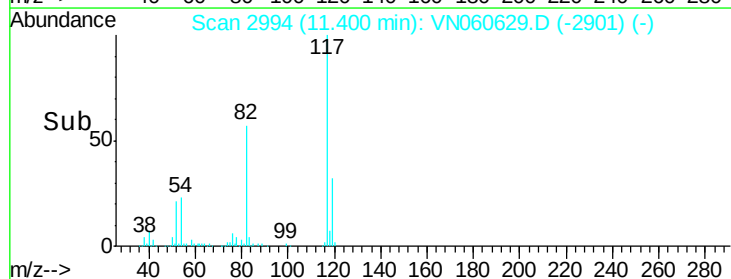
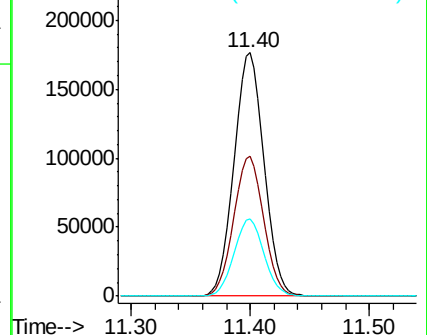
119 31.6 25.5 38.3

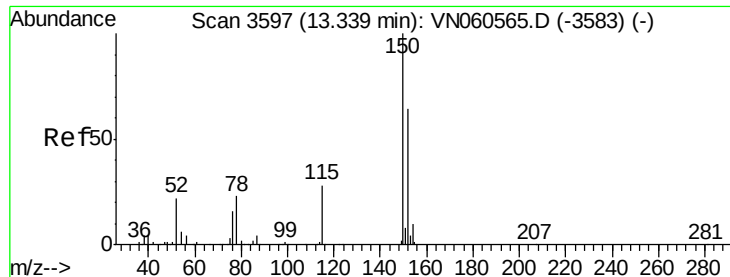


Abundance Ion 116.90 (116.60 to 117.60): VN060629.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060629.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060629.D (-2979) (-)



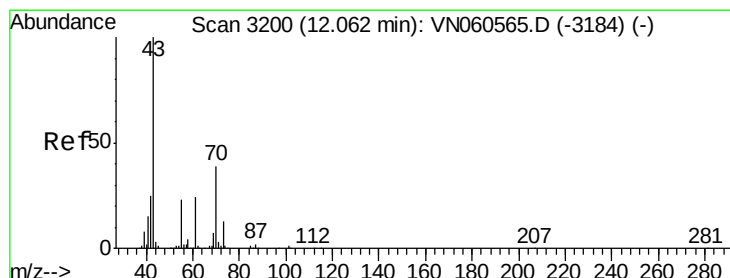
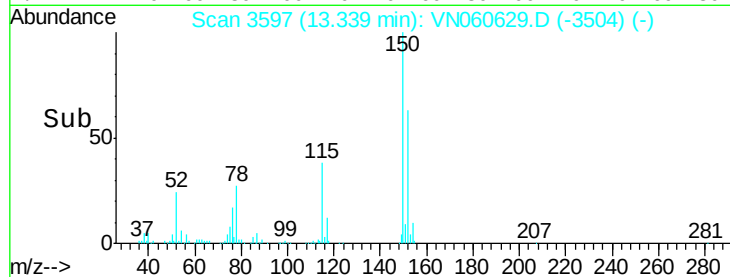
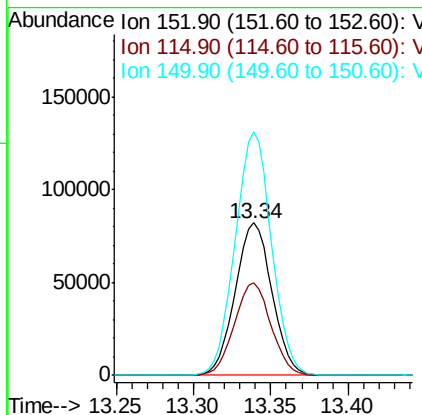
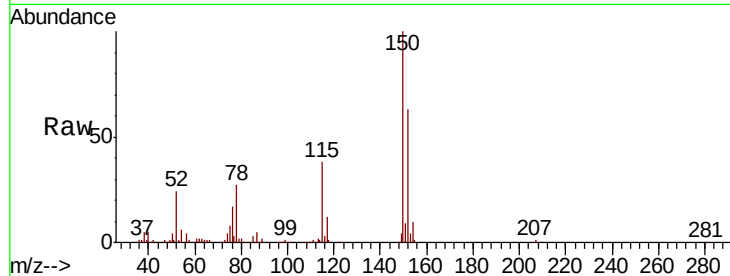


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :

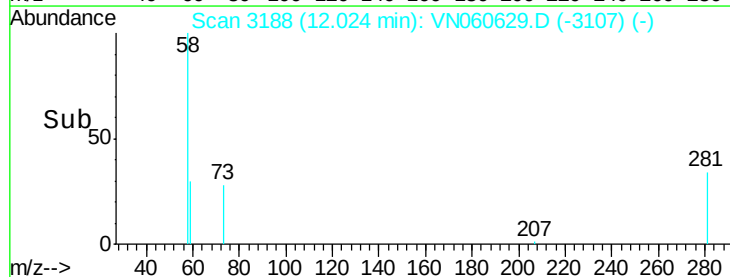
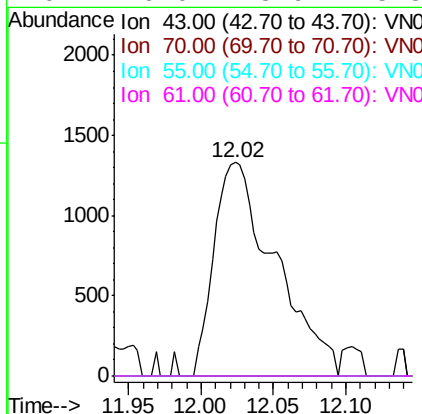
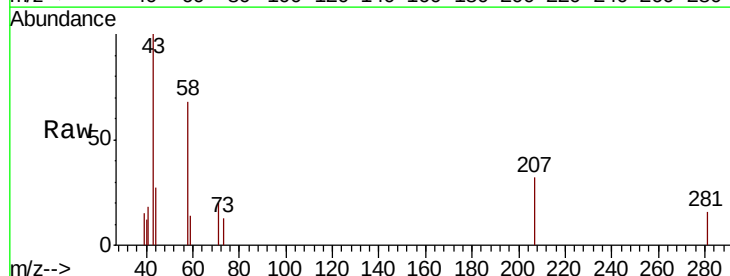
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.2	90.6
150	157.8	0.0	350.2

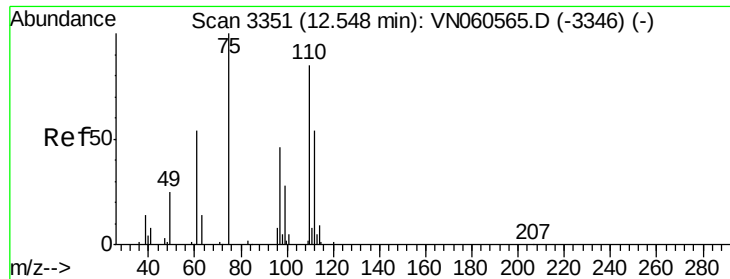


#74

N-ethyl acetate
Concen: 0.831 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.1	46.7#
55	0.0	18.6	27.8#
61	0.0	18.9	28.3#





#76

1,2,3-Trichloropropane

Concen: 25.969 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060629.D

Acq: 19 Mar 2020 12:21

Instrument :

MSVOA_N

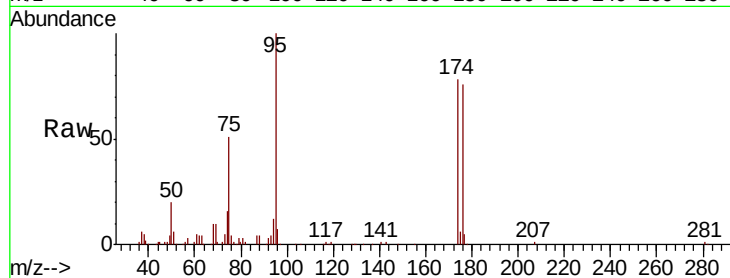
ClientSampled :

Tot Ion: 75 Resp: 76049

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060629.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060629.D (-3346) (-)

12.40

50000

40000

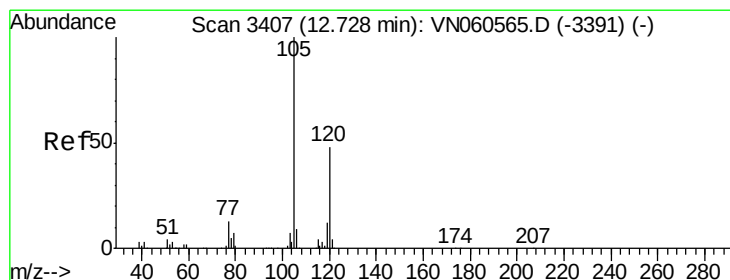
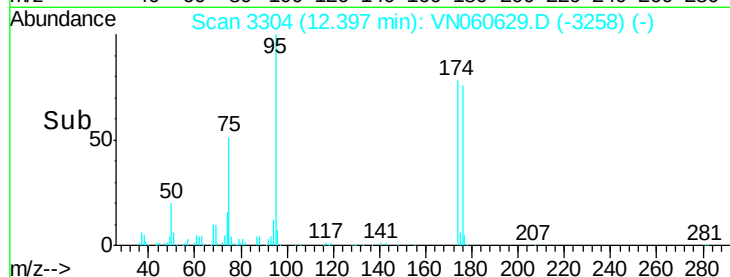
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.412 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060629.D

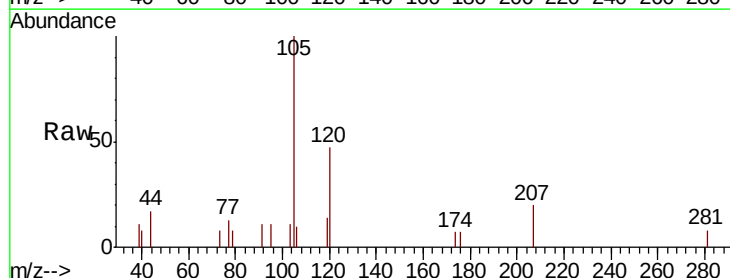
Acq: 19 Mar 2020 12:21

Tgt Ion: 105 Resp: 3558

Ion Ratio Lower Upper

105 100

120 44.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060629.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060629.D (-3314) (-)

12.73

2500

2000

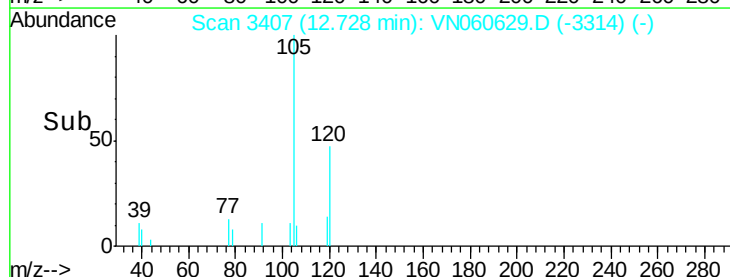
1500

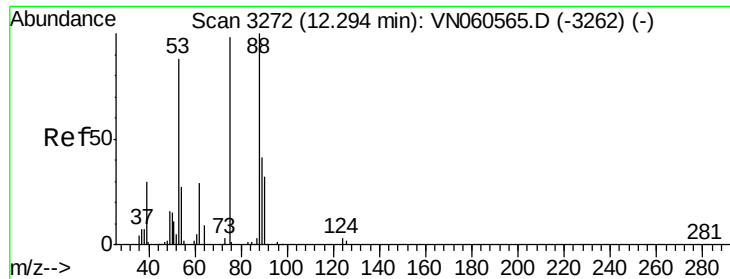
1000

500

0

Time-->

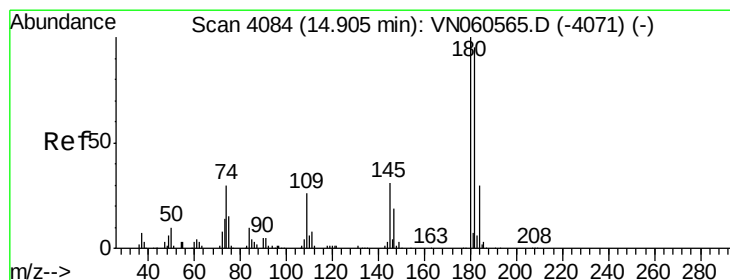
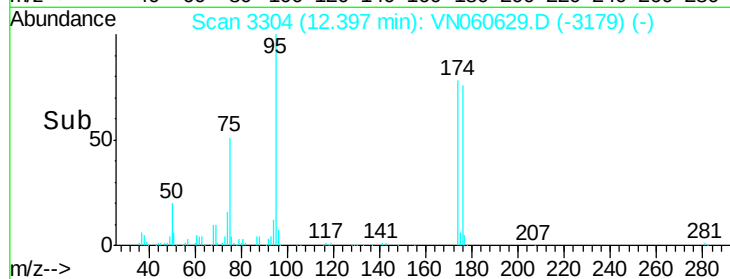
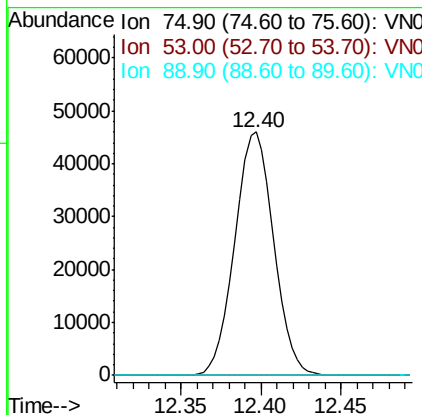
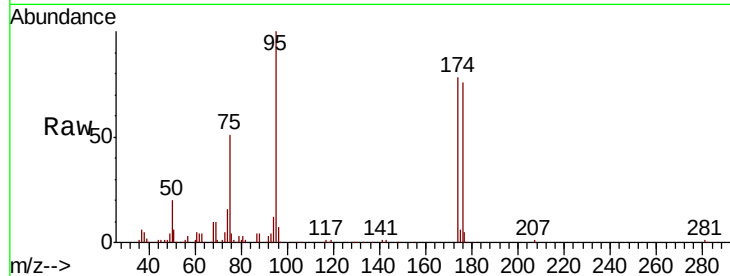




#81
trans-1,4-Dichloro-2-butene
Concen: 66.696 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

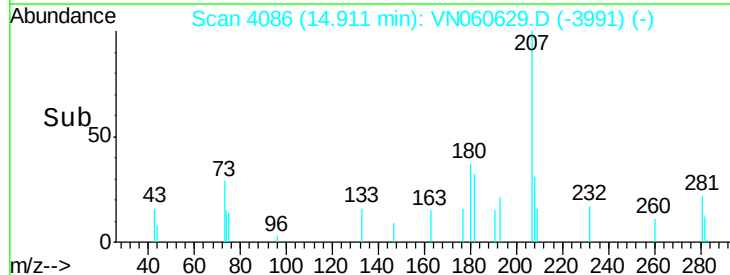
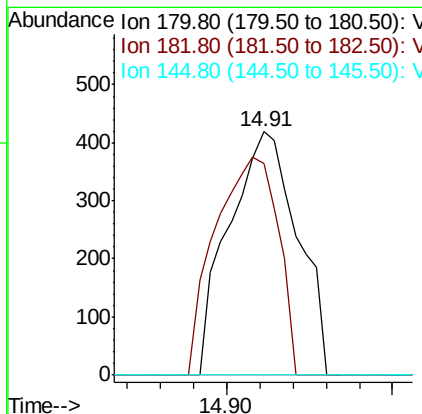
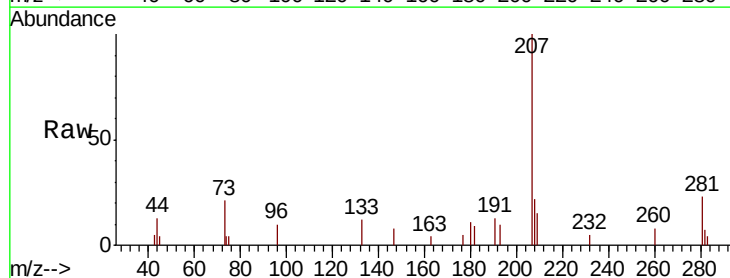
Instrument :
MSVOA_N
ClientSampled :

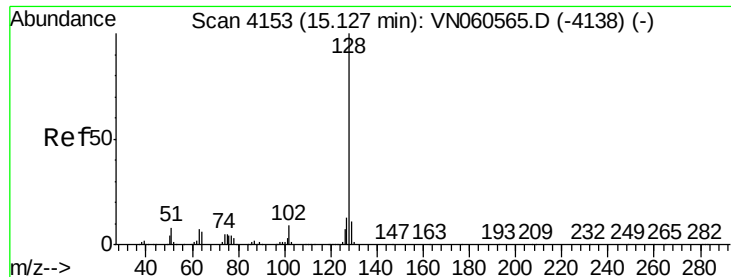
Tot Ion: 75 Resp: 76049
Ion Ratio Lower Upper
75 100
53 0.0 73.0 109.4#
89 0.0 34.8 52.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.237 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.01 min
Lab File: VN060629.D
Acq: 19 Mar 2020 12:21

Tgt Ion:180 Resp: 603
Ion Ratio Lower Upper
180 100
182 82.1 47.9 143.8
145 0.0 15.4 46.2#





#95

Naphthalene

Concen: 0.257 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060629.D

Acq: 19 Mar 2020 12:21

Instrument :

MSVOA_N

ClientSampled :

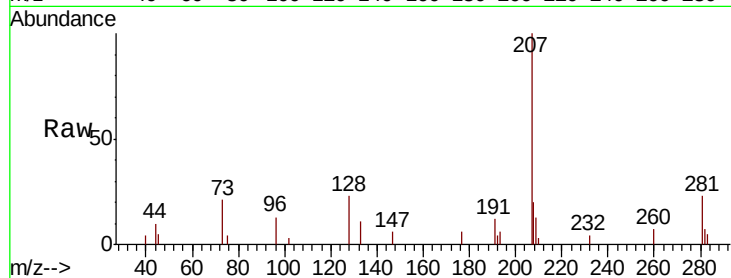
Tot Ion:128 Resp: 1964

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

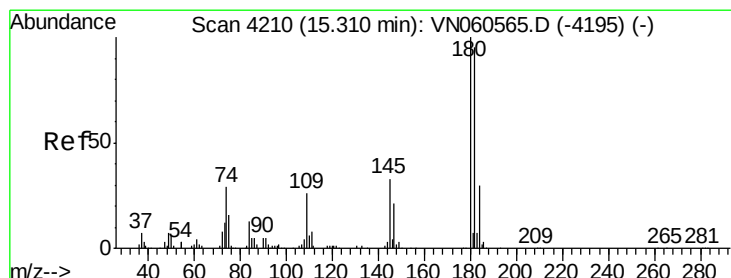
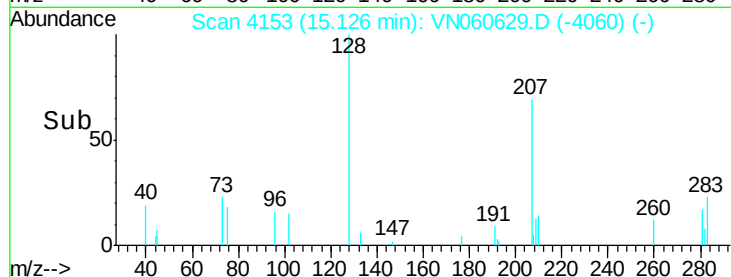
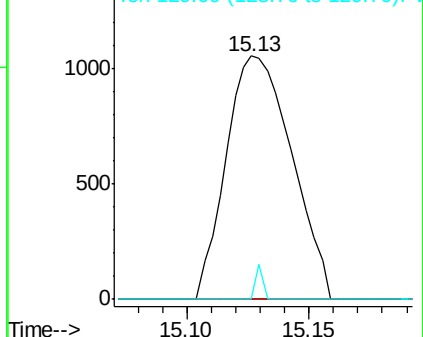
129 1.5 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.217 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060629.D

Acq: 19 Mar 2020 12:21

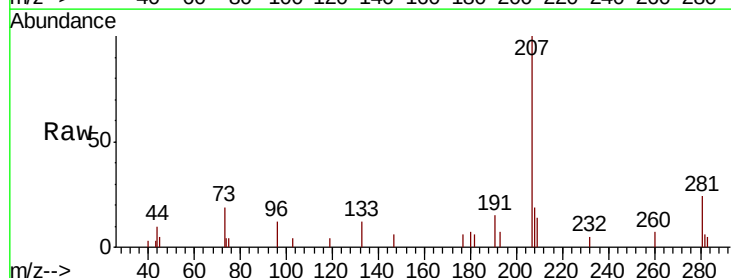
Tgt Ion:180 Resp: 543

Ion Ratio Lower Upper

180 100

182 56.7 47.5 142.6

145 0.0 16.3 48.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

