

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033020\
 Data File : VN060765.D
 Acq On : 30 Mar 2020 13:11
 Operator : JC/MD
 Sample : L2031-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 31 07:58:26 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	201241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141695	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	129286	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
35) Dibromofluoromethane	7.56	113	99047	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	10.08	98	411880	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.40	95	154230	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	

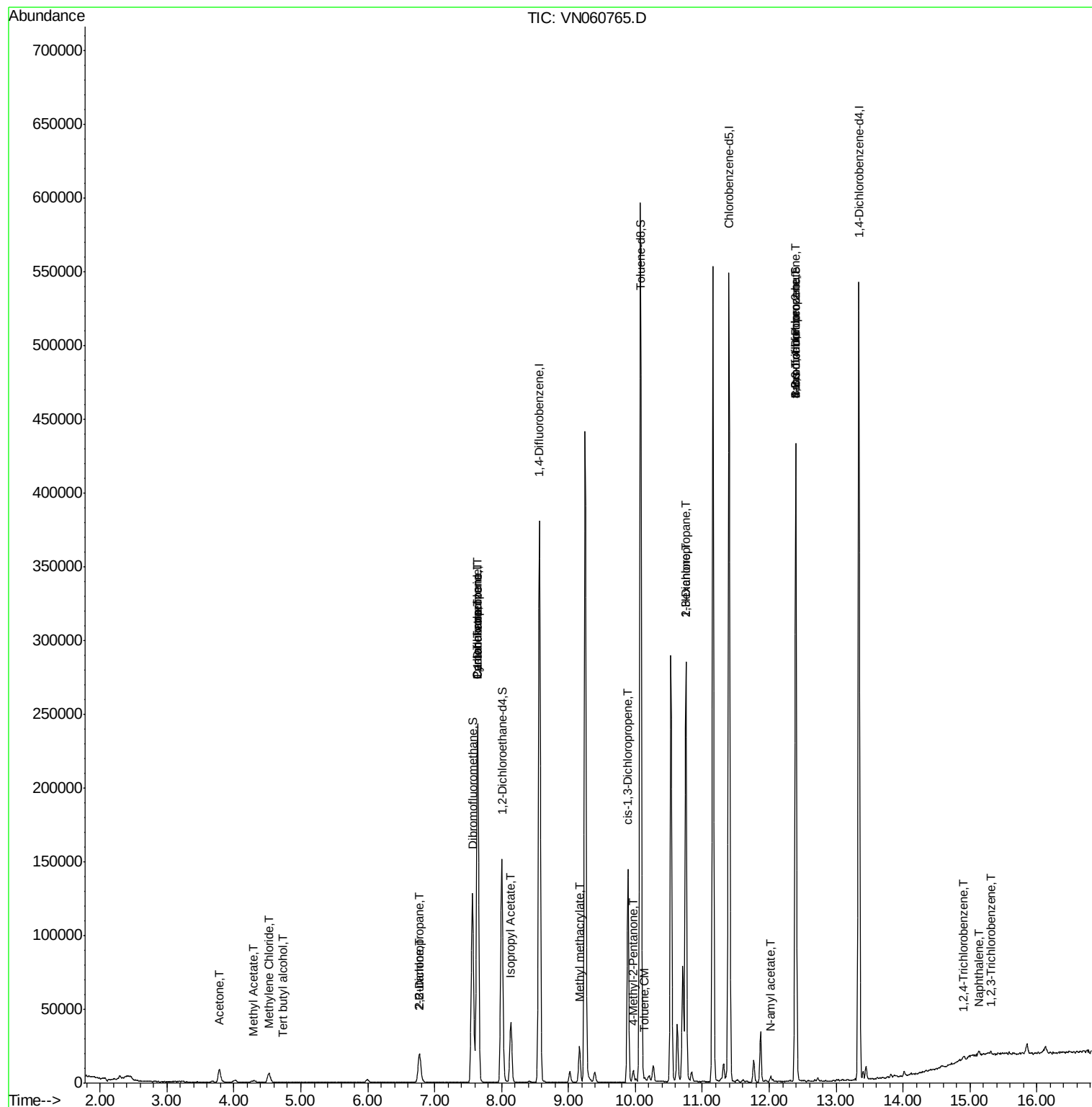
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	103	0.254	ug/l #	72
16) Acetone	3.78	43	15160	15.492	ug/l	99
18) Methyl Acetate	4.29	43	2398	0.871	ug/l #	68
20) Methylene Chloride	4.53	84	5293	2.199	ug/l	94
25) 2-Butanone	6.79	43	1522	0.961	ug/l #	50
26) 2,2-Dichloropropane	6.77	77	1426	0.411	ug/l #	53
31) Cyclohexane	7.64	56	4323	0.972	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16098	5.015	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18836	6.547	ug/l #	16
43) Isopropyl Acetate	8.14	43	49224	8.606	ug/l #	92
48) Methyl methacrylate	9.16	41	3832	1.505	ug/l #	27
51) 4-Methyl-2-Pentanone	9.97	43	5764	1.771	ug/l	92
52) Toluene	10.14	92	1395	0.238	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	25499	6.300	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2704	0.692	ug/l #	42
59) 2-Hexanone	10.75	43	43460	18.536	ug/l #	52
71) Bromoform	12.39	173	158	1.763	ug/l #	29
74) N-amyl acetate	12.02	43	3943	0.802	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	76176	24.915	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76176	63.988	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.53	75	129	Below Cal	#	3
93) 1,2,4-Trichlorobenzene	14.91	180	742	0.280	ug/l #	69
95) Naphthalene	15.13	128	2177	0.273	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.32	180	652	0.249	ug/l #	74

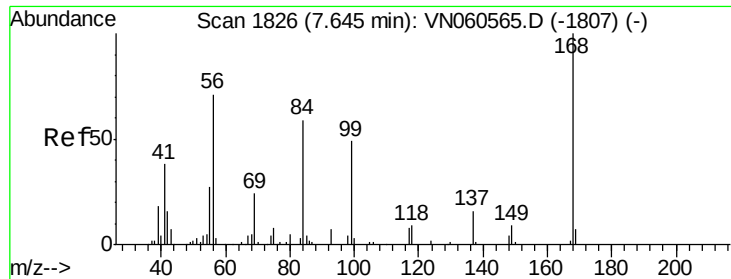
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033020\
Data File : VN060765.D
Acq On : 30 Mar 2020 13:11
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
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: VN060765.D

Acq: 30 Mar 2020 13:11

Instrument :

MSVOA_N

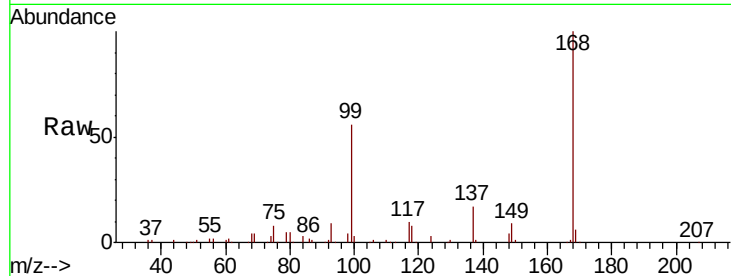
ClientSampleId :

Tot Ion:168 Resp: 201241

Ion Ratio Lower Upper

168 100

99 55.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

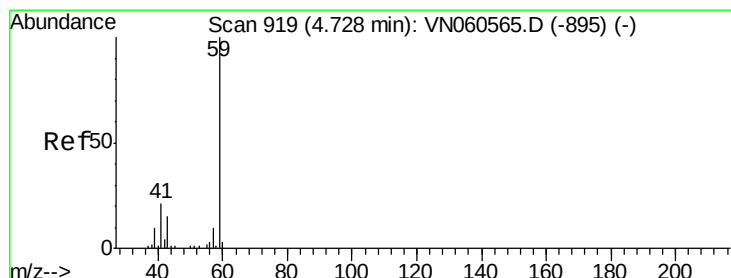
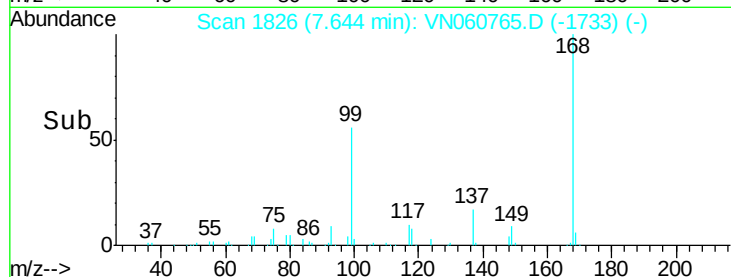
40000

20000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.254 ug/l

RT: 4.72 min Scan# 918

Delta R.T. -0.00 min

Lab File: VN060765.D

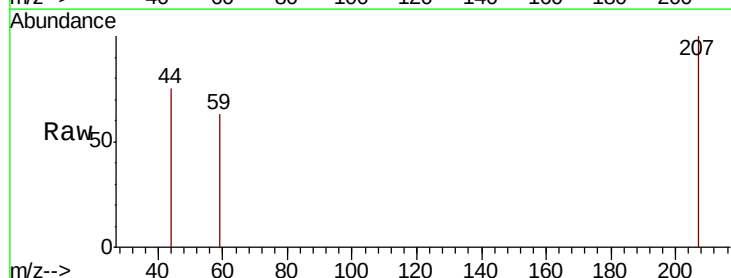
Acq: 30 Mar 2020 13:11

Tgt Ion: 59 Resp: 103

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

200

150

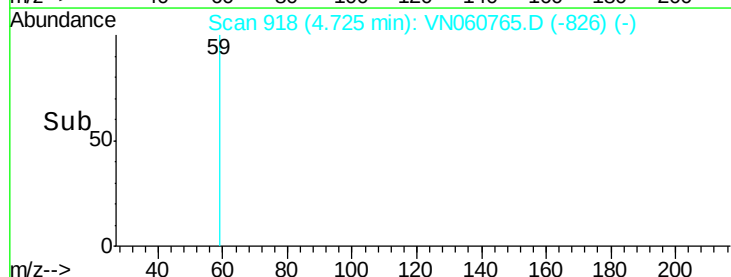
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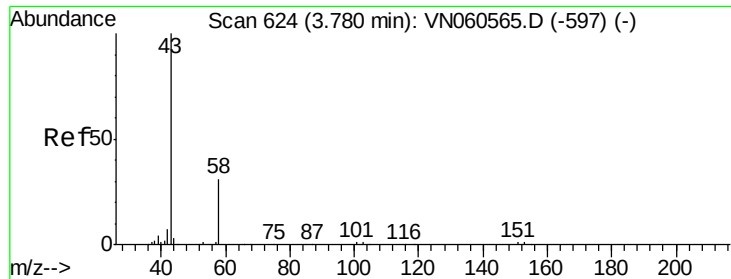
50

0

4.71 4.73 4.74

Time-->





#16

Acetone

Concen: 15.492 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060765.D

Acq: 30 Mar 2020 13:11

Instrument :

MSVOA_N

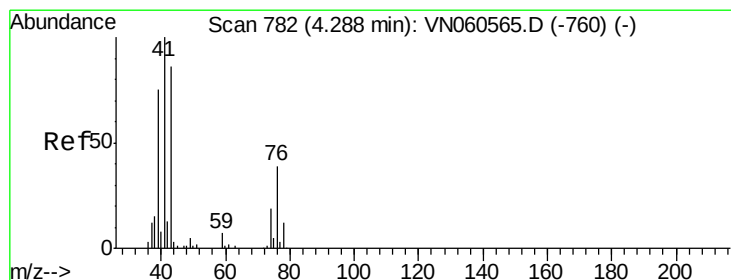
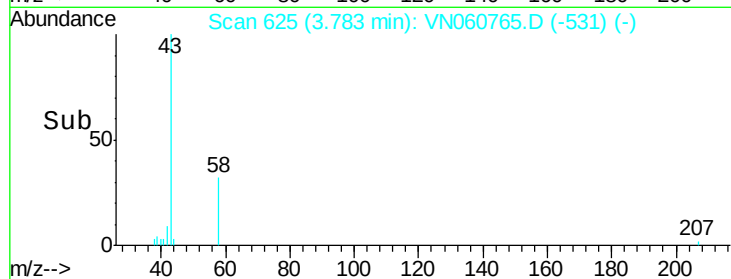
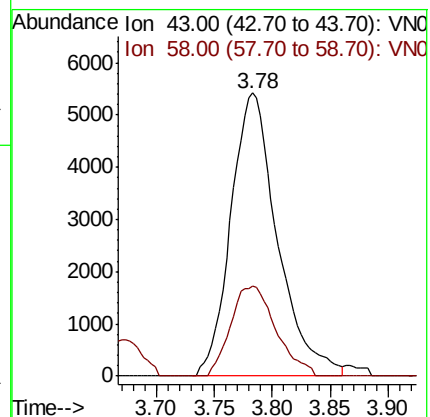
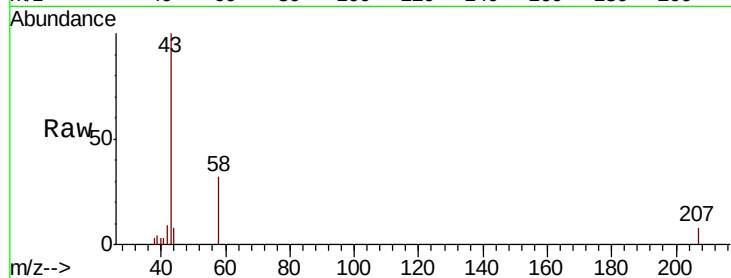
ClientSampleId :

Tot Ion: 43 Resp: 15160

Ion Ratio Lower Upper

43 100

58 31.7 25.1 37.7



#18

Methyl Acetate

Concen: 0.871 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060765.D

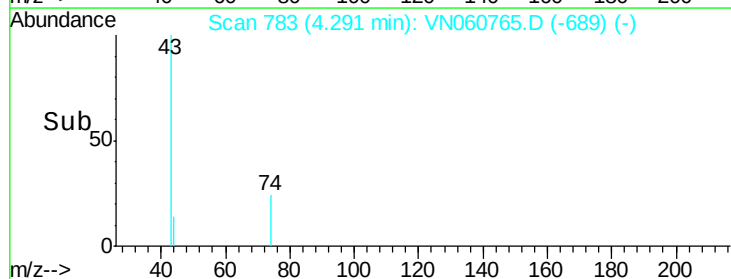
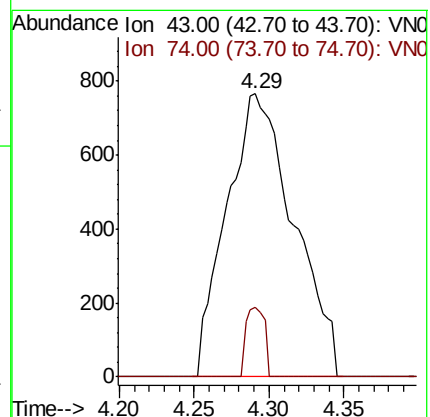
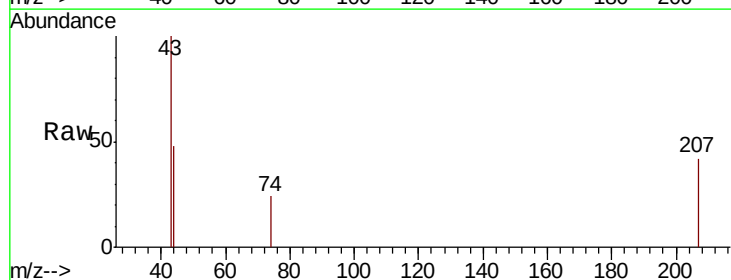
Acq: 30 Mar 2020 13:11

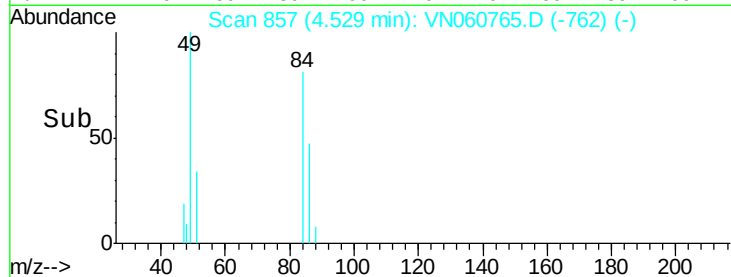
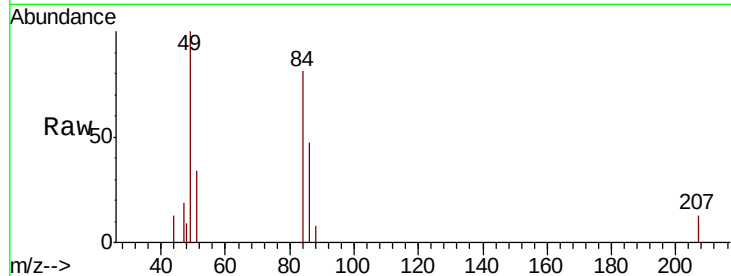
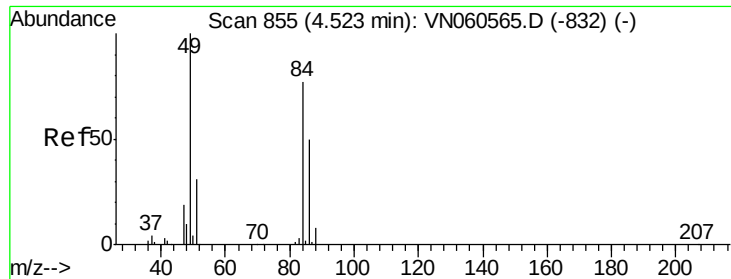
Tgt Ion: 43 Resp: 2398

Ion Ratio Lower Upper

43 100

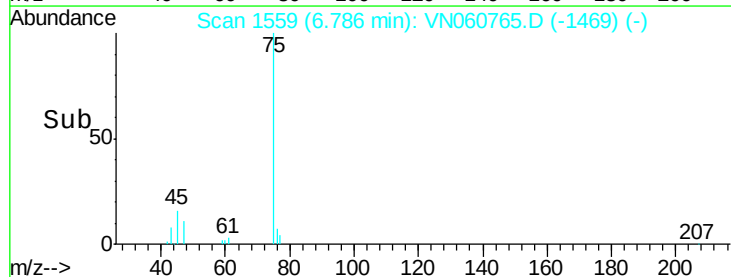
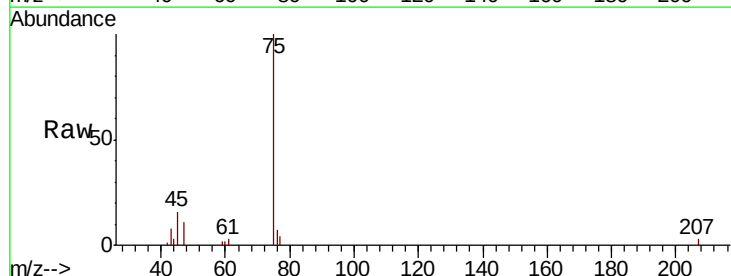
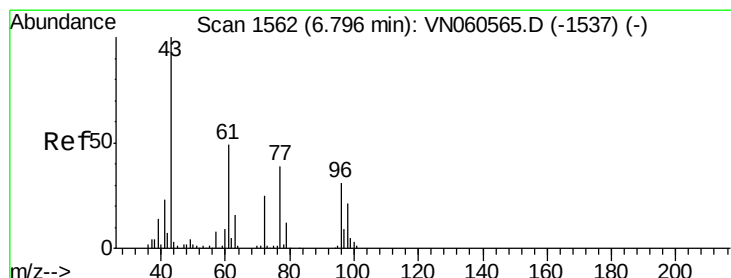
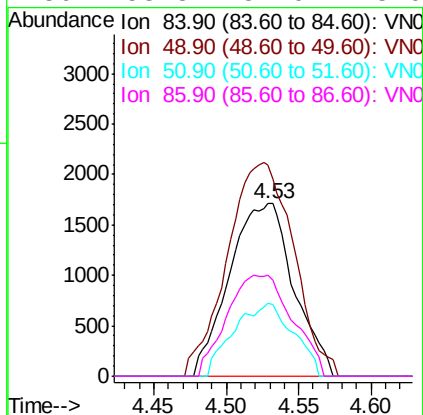
74 6.8 17.5 26.3#





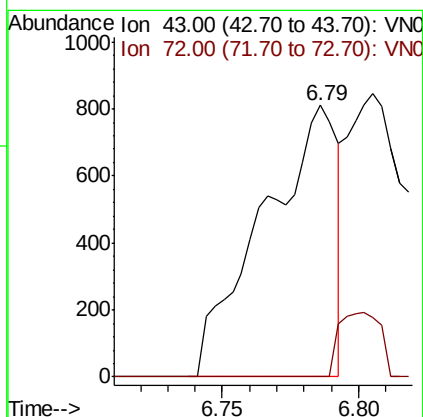
#20
Methylene Chloride
Concen: 2.199 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

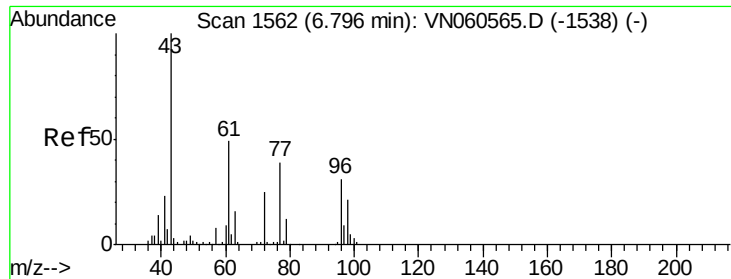
Tot Ion:	84	Resp:	5293
Ion	Ratio	Lower	Upper
84	100		
49	122.7	103.3	154.9
51	42.2	31.6	47.4
86	58.3	52.0	78.0



#25
2-Butanone
Concen: 0.961 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

Tgt Ion:	43	Resp:	1522
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.4	30.6#

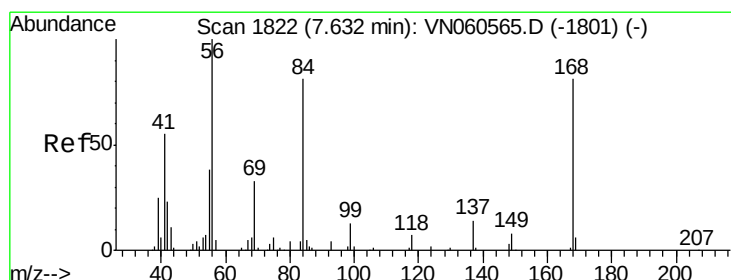
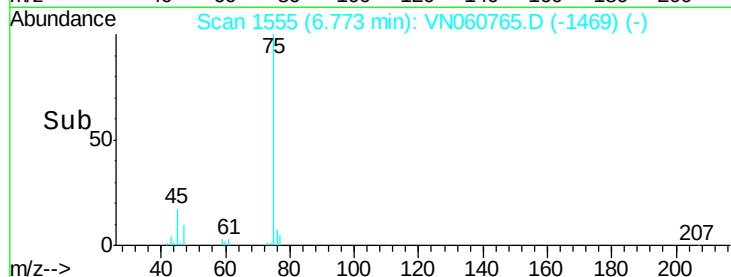
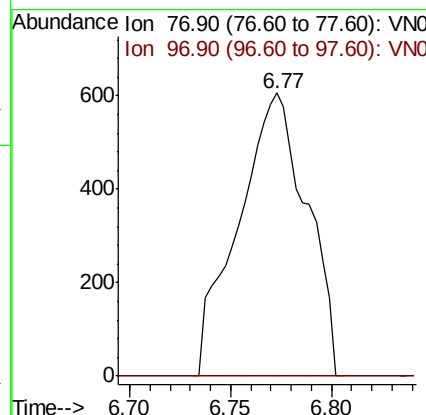
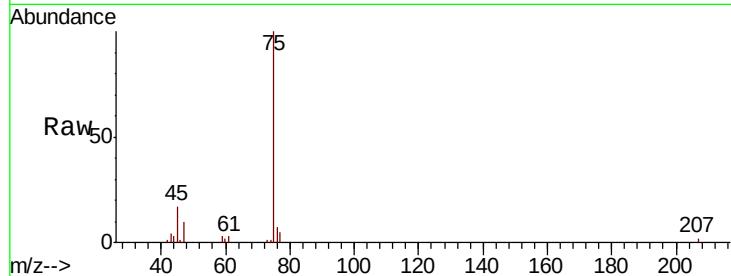




#26
2,2-Dichloropropane
Concen: 0.411 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.02 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

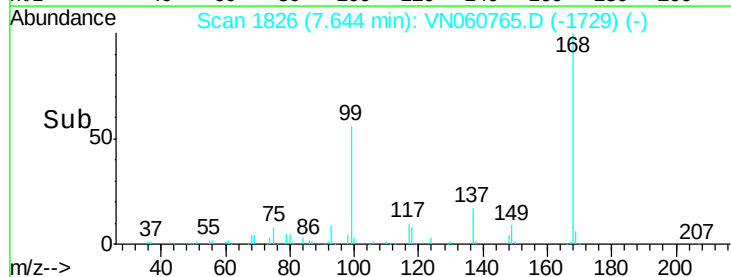
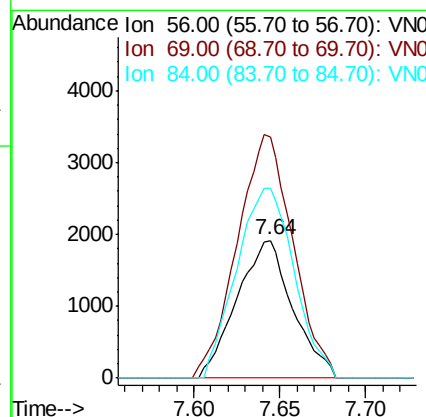
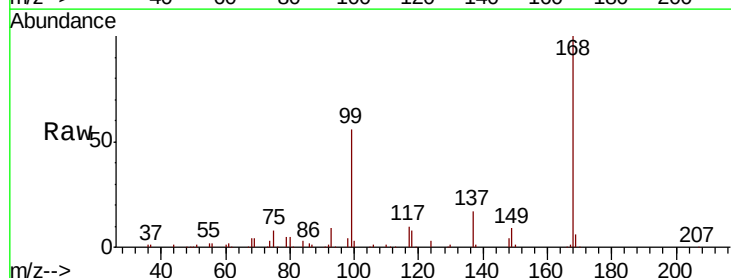
Instrument :
MSVOA_N
ClientSampleId :

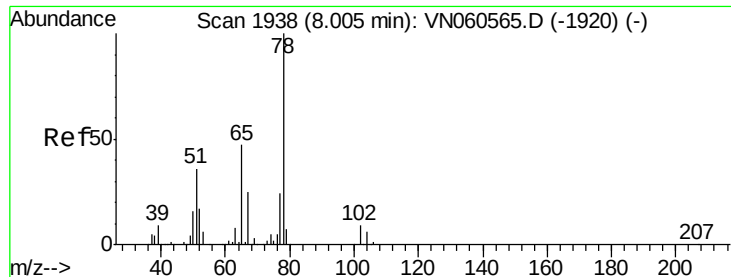
Tot Ion: 77 Resp: 1426
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#



#31
Cyclohexane
Concen: 0.972 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

Tgt Ion: 56 Resp: 4323
Ion Ratio Lower Upper
56 100
69 175.5 26.6 40.0#
84 138.0 64.3 96.5#

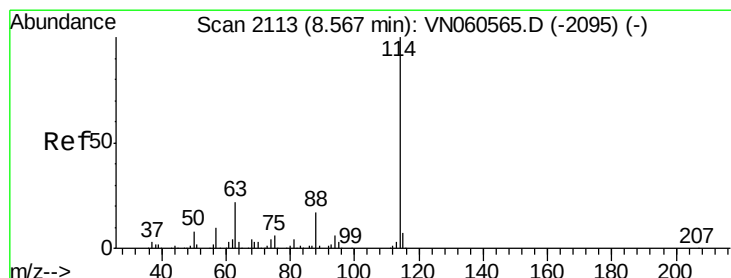
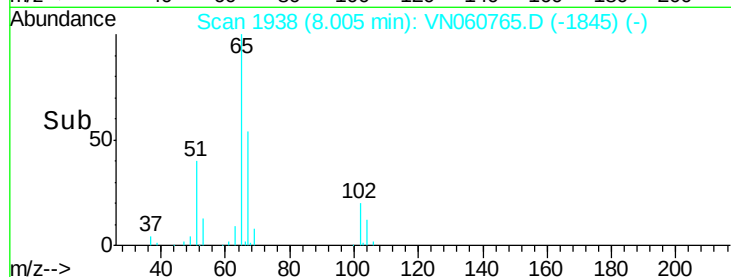
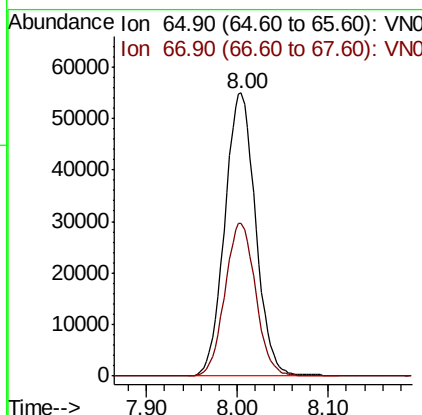
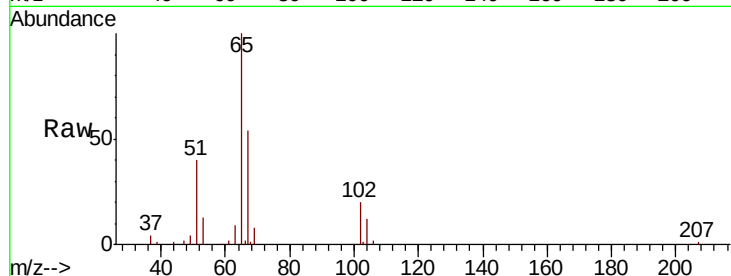




#33
 1,2-Dichloroethane-d4
 Concen: 46.799 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060765.D
 Acq: 30 Mar 2020 13:11

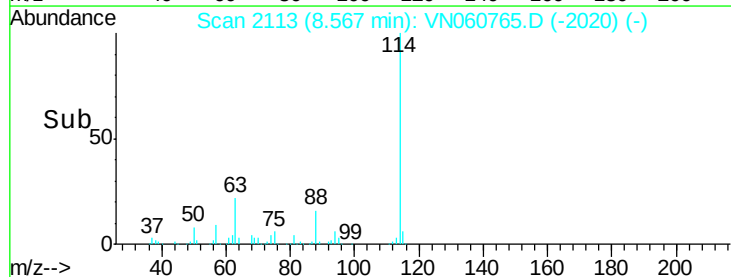
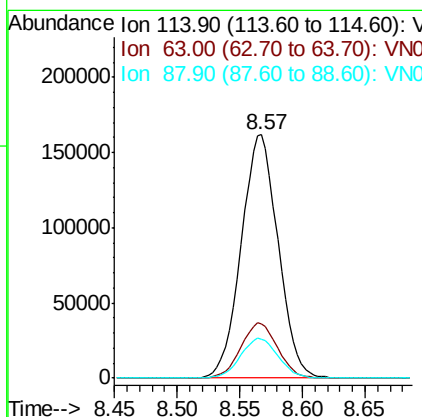
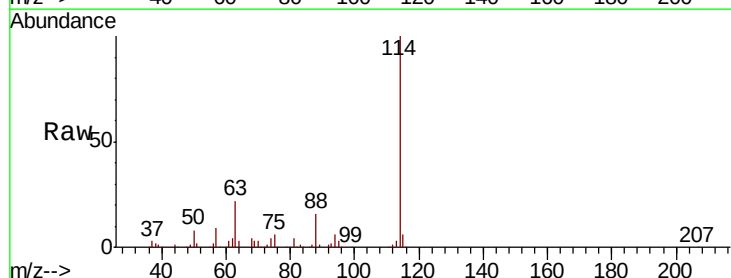
Instrument :
 MSVOA_N
 ClientSampled :

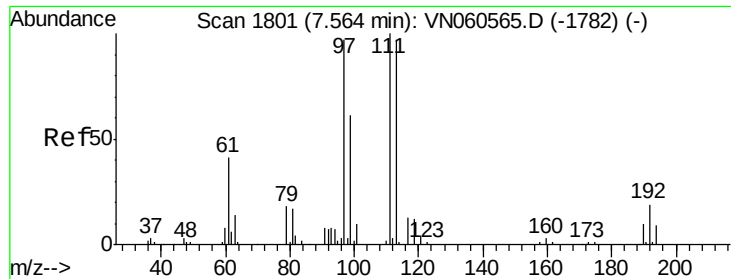
Tot Ion: 65 Resp: 129286
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060765.D
 Acq: 30 Mar 2020 13:11

Tgt Ion: 114 Resp: 331493
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.2 0.0 33.0

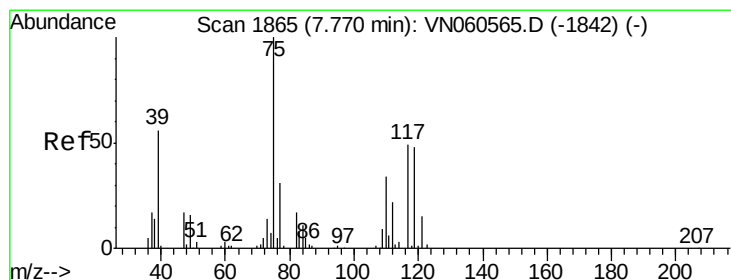
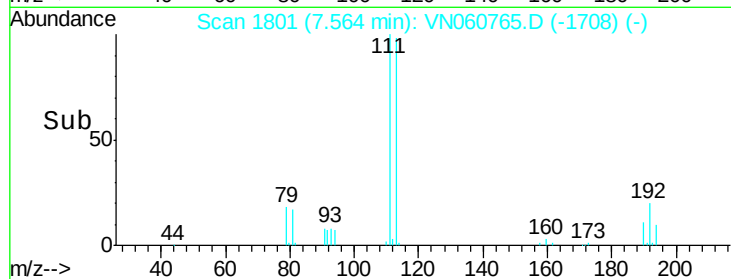
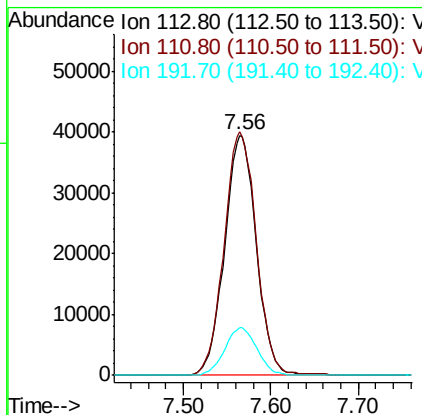
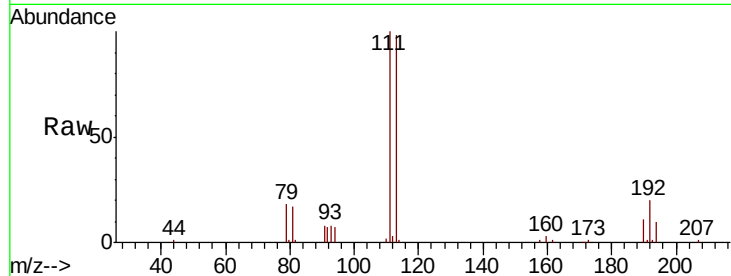




#35
Dibromofluoromethane
Concen: 49.414 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

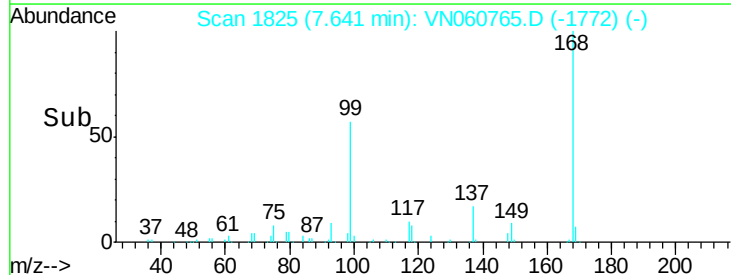
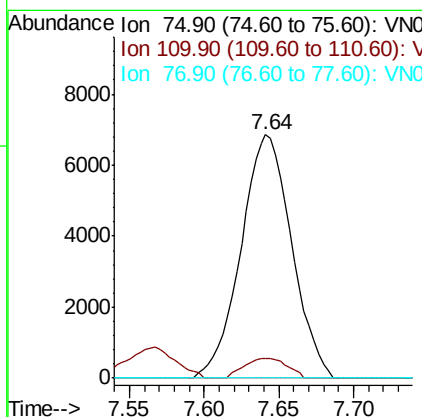
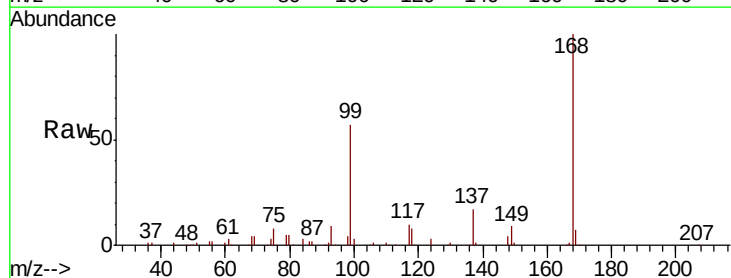
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MSVOA_N
ClientSampleId :

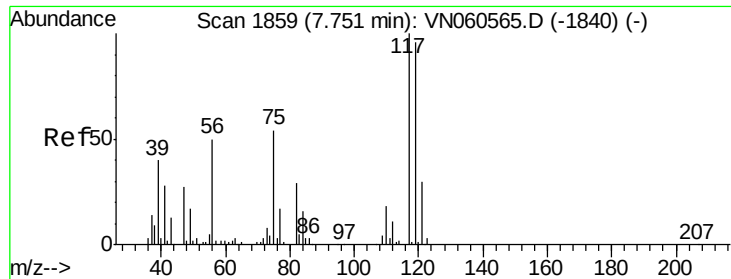
Tot Ion:113 Resp: 99047
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 20.1 15.8 23.8



#36
1,1-Dichloropropene
Concen: 5.015 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

Tgt Ion: 75 Resp: 16098
Ion Ratio Lower Upper
75 100
110 6.9 16.9 50.6#
77 0.0 24.6 36.8#

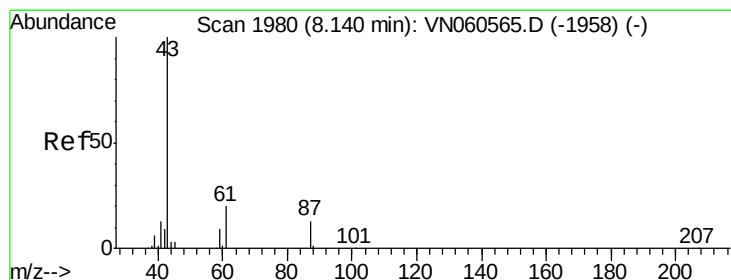
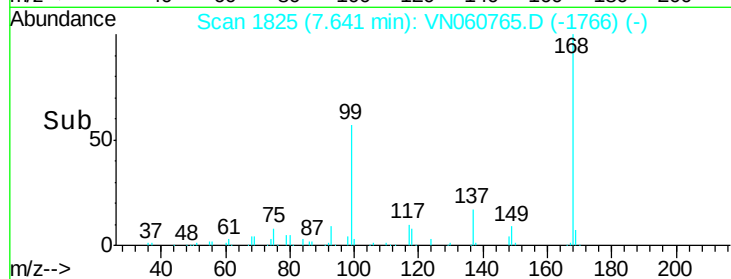
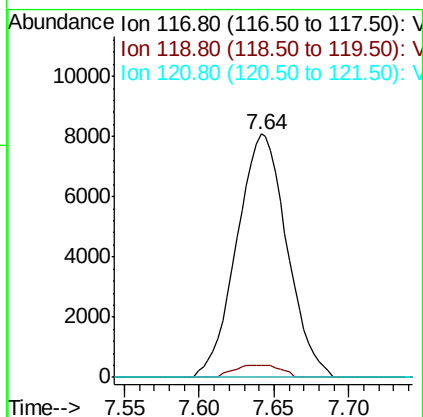
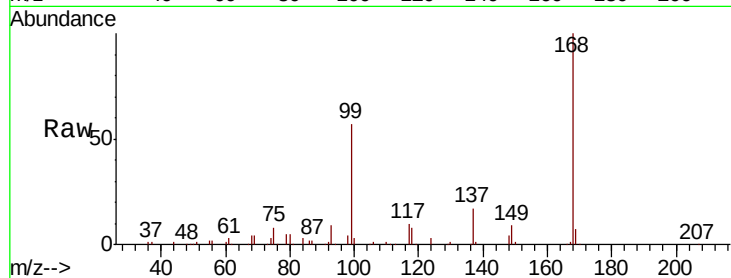




#38
Carbon Tetrachloride
Concen: 6.547 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

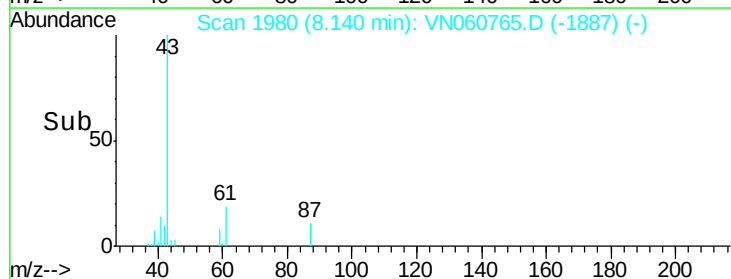
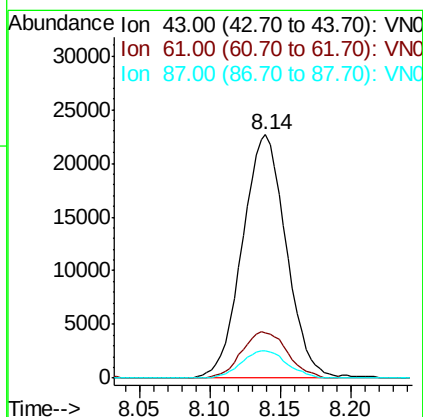
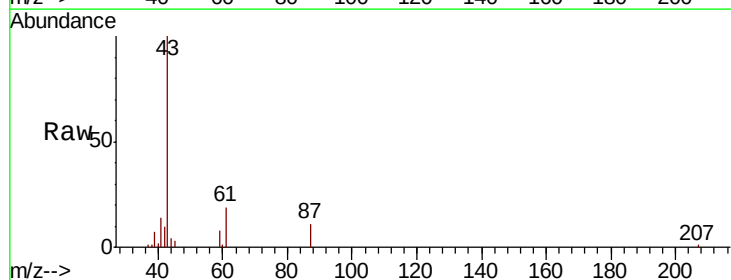
Instrument :
MSVOA_N
ClientSampled :

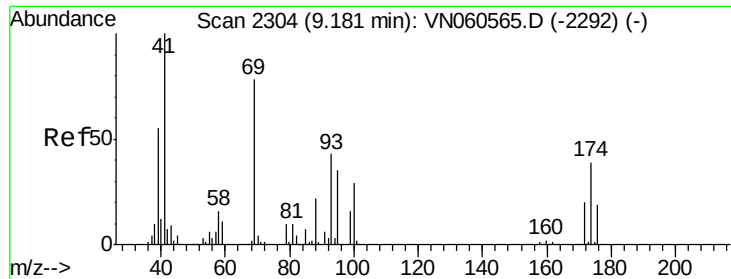
Tot Ion:117 Resp: 18836
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 8.606 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

Tgt Ion: 43 Resp: 49224
Ion Ratio Lower Upper
43 100
61 20.0 20.7 31.1#
87 11.6 9.8 14.8

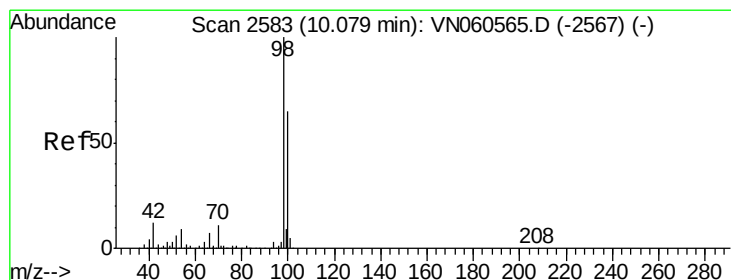
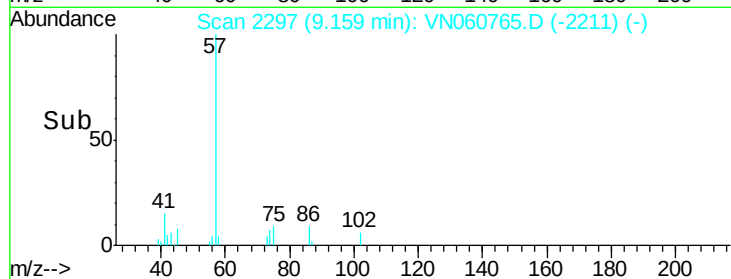
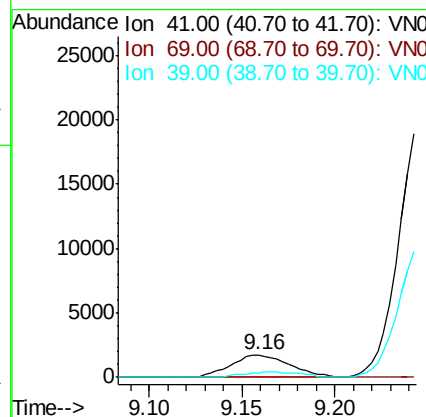
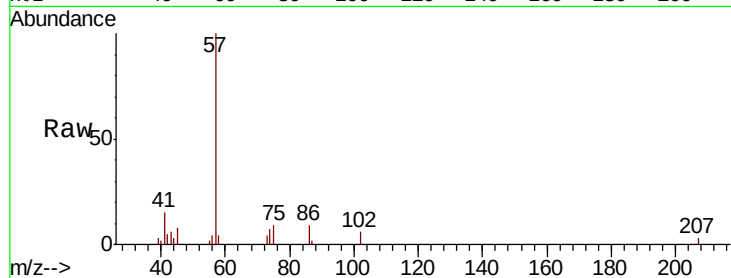




#48
Methvl methacrylate
Concen: 1.505 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

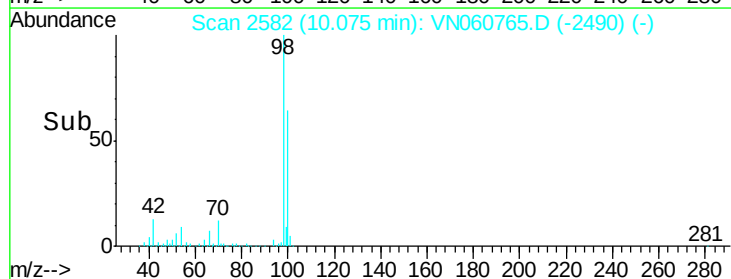
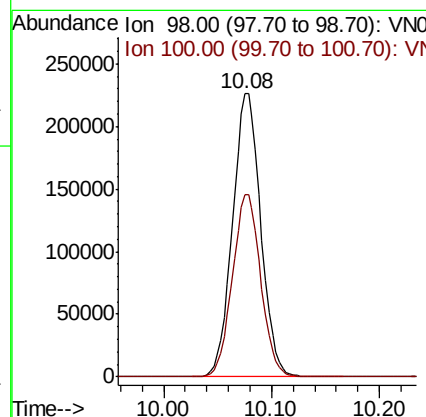
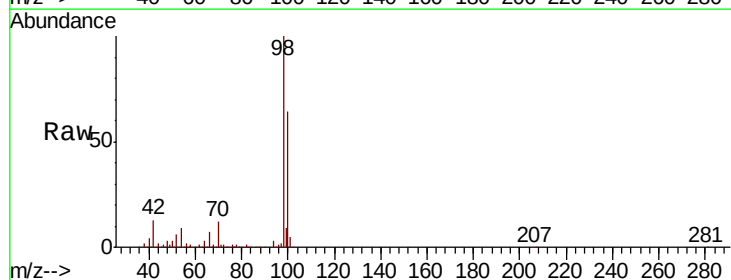
Instrument :
MSVOA_N
ClientSampled :

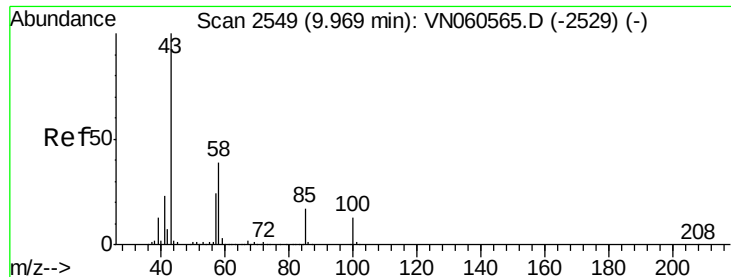
Tot Ion: 41 Resp: 3832
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 23.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.307 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

Tgt Ion: 98 Resp: 411880
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8

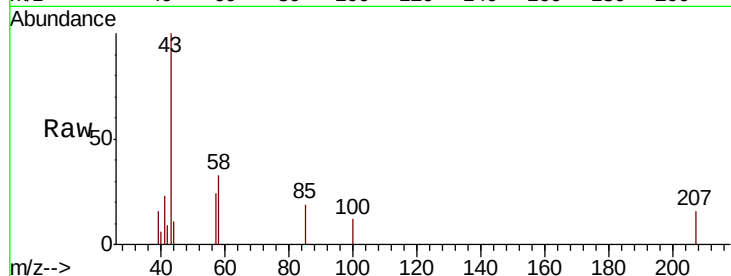




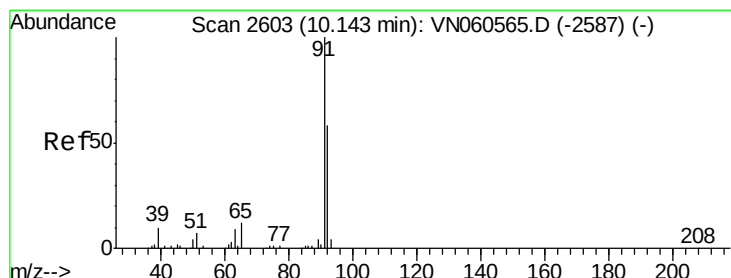
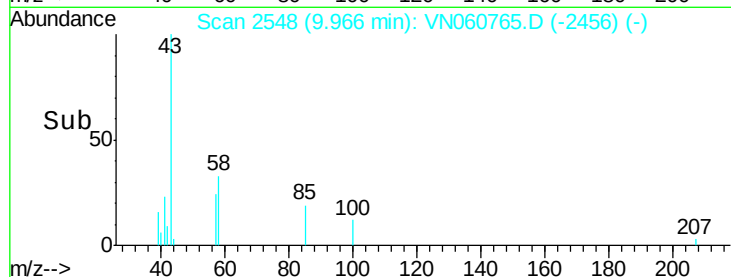
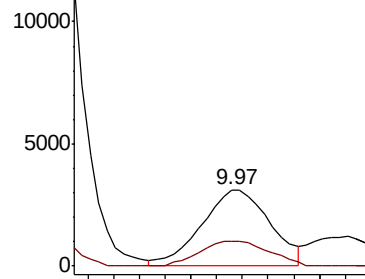
#51
4-Methyl-2-Pentanone
Concen: 1.771 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 5764
Ion Ratio Lower Upper
43 100
58 33.4 30.8 46.2

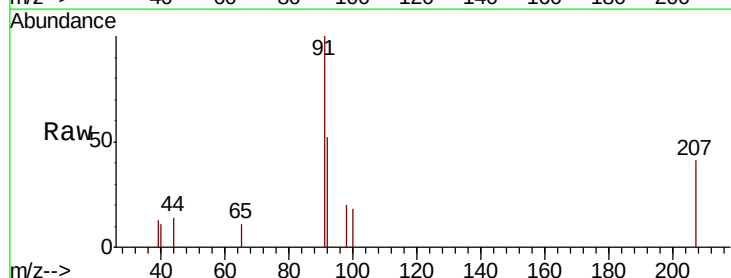


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

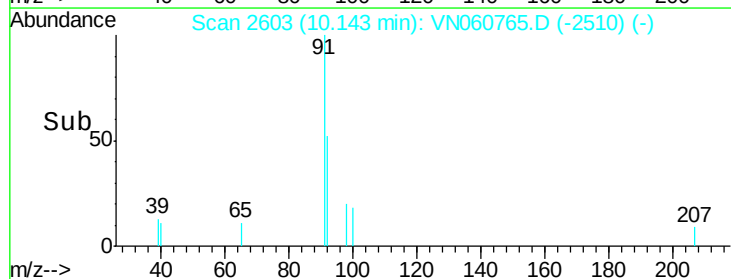
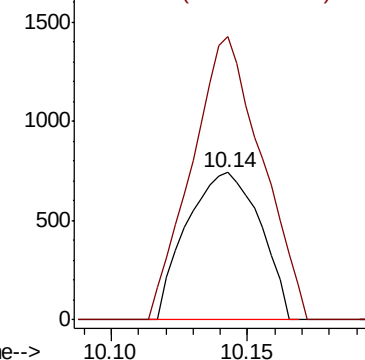


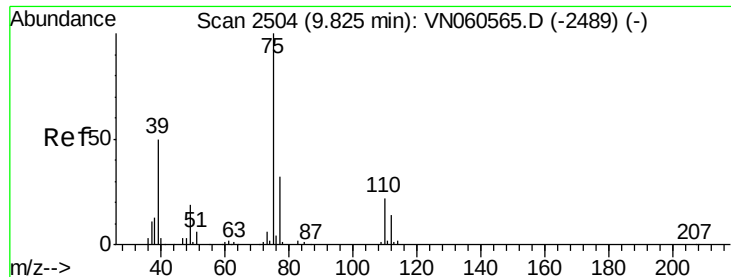
#52
Toluene
Concen: 0.238 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

Tgt Ion: 92 Resp: 1395
Ion Ratio Lower Upper
92 100
91 182.0 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN0
Ion 91.00 (90.70 to 91.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 6.300 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060765.D

Acq: 30 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

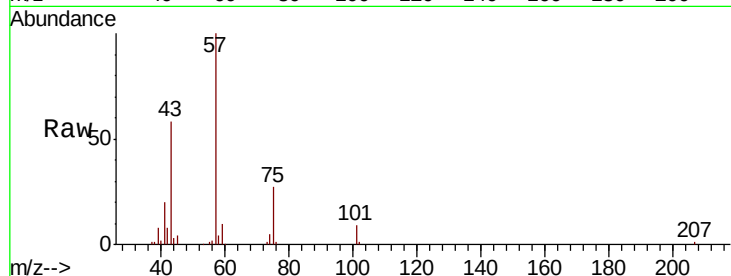
Tot Ion: 75 Resp: 25499

Ion Ratio Lower Upper

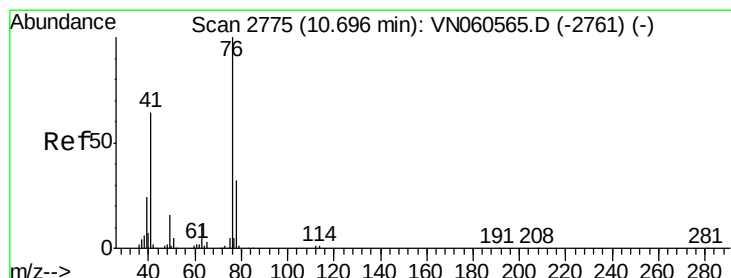
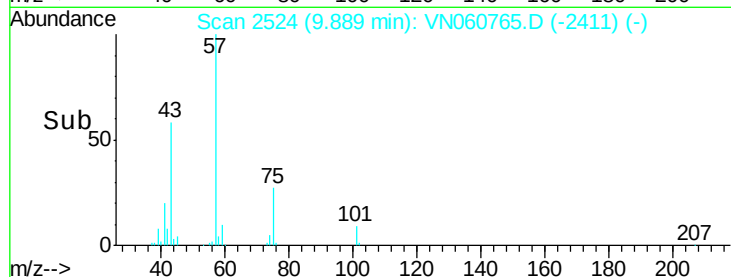
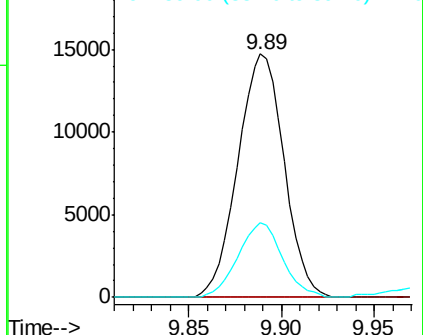
75 100

77 0.0 25.4 38.0#

39 30.6 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.692 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060765.D

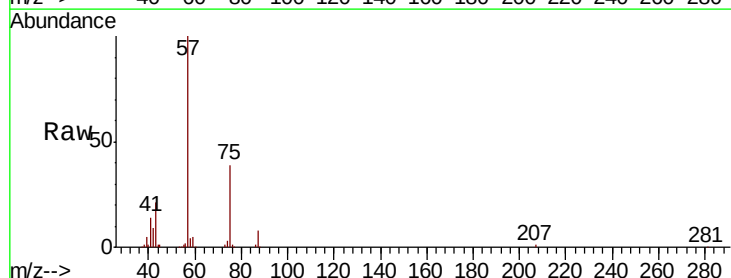
Acq: 30 Mar 2020 13:11

Tgt Ion: 76 Resp: 2704

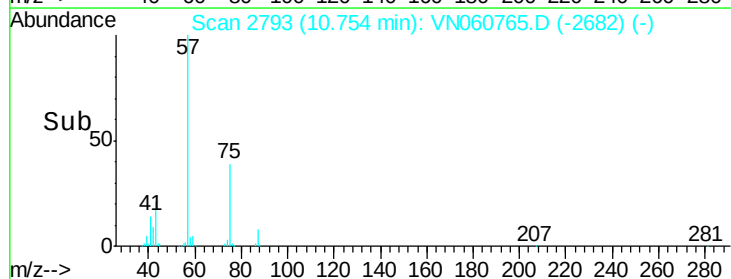
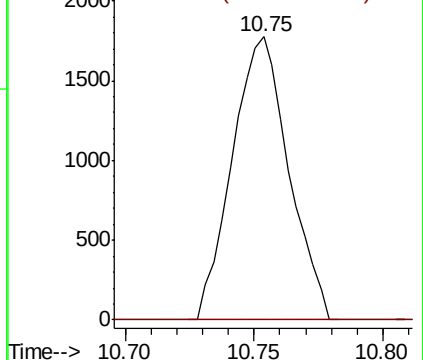
Ion Ratio Lower Upper

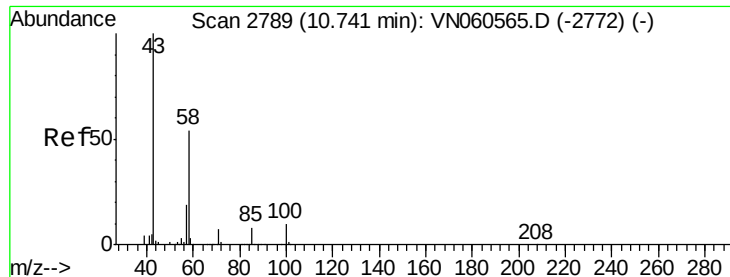
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

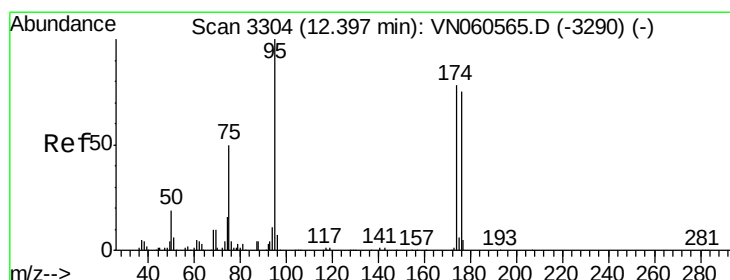
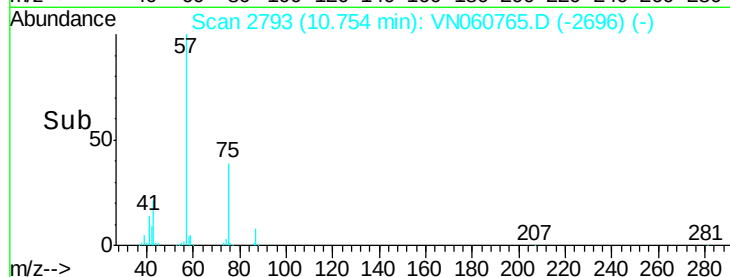
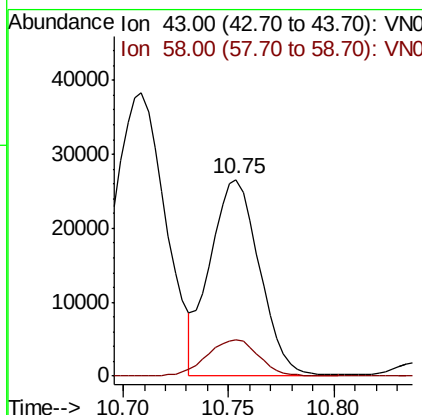
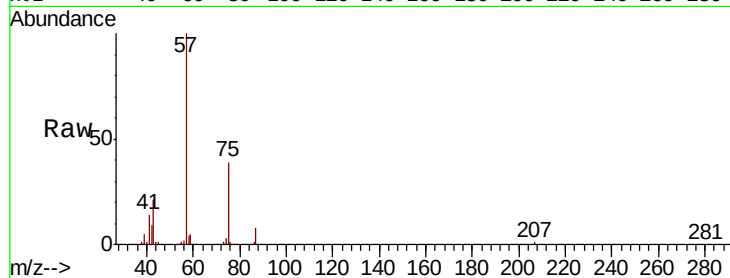




#59
2-Hexanone
Concen: 18.536 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

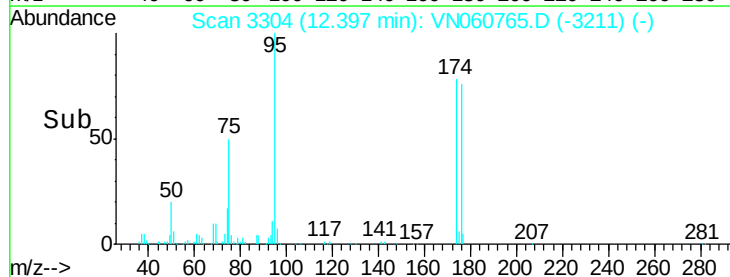
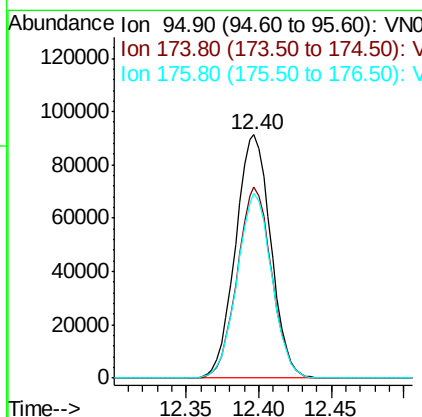
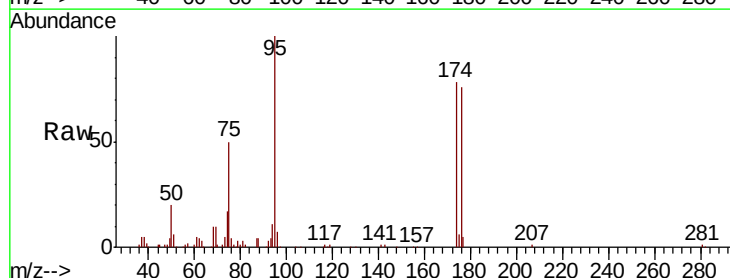
Instrument :
MSVOA_N
ClientSampleId :

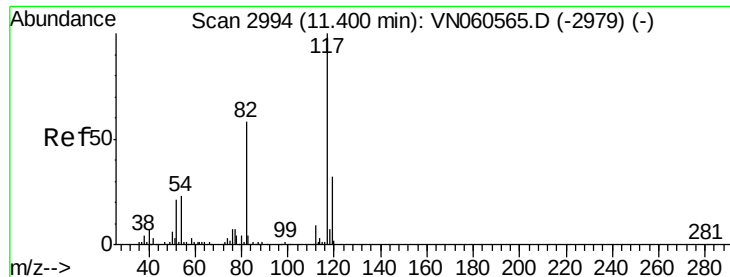
Tot Ion: 43 Resp: 43460
Ion Ratio Lower Upper
43 100
58 19.2 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.401 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

Tgt Ion: 95 Resp: 154230
Ion Ratio Lower Upper
95 100
174 76.9 0.0 157.6
176 74.7 0.0 150.6

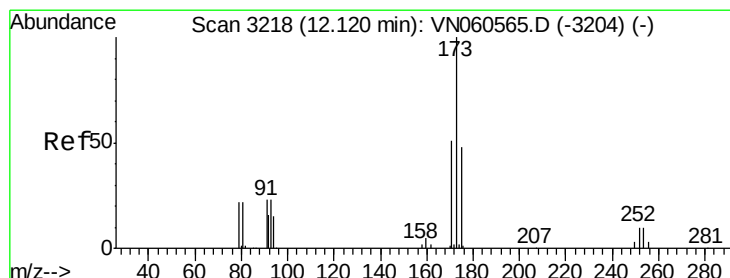
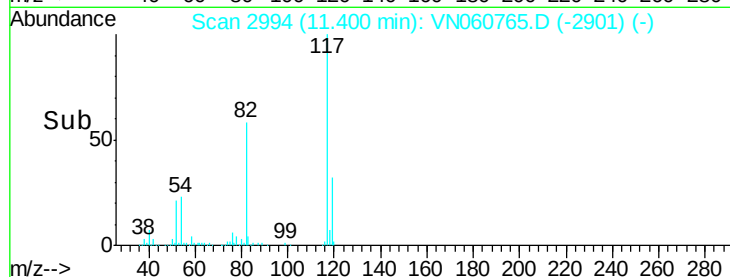
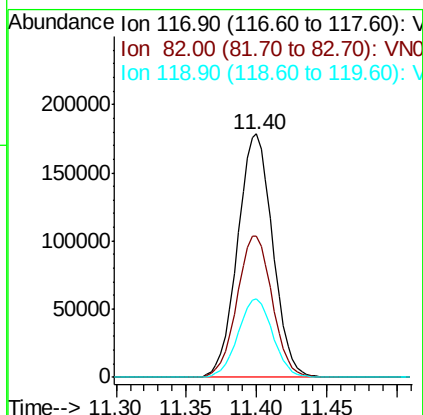
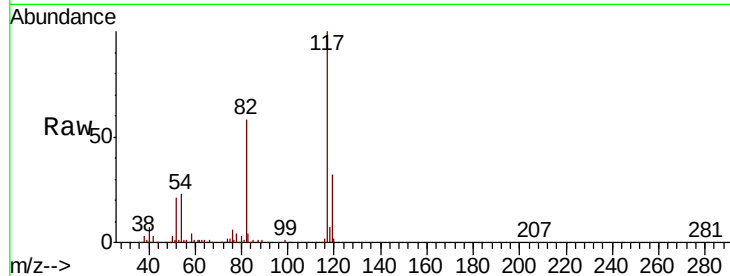




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

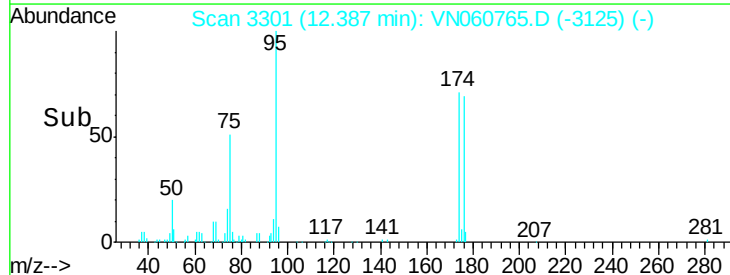
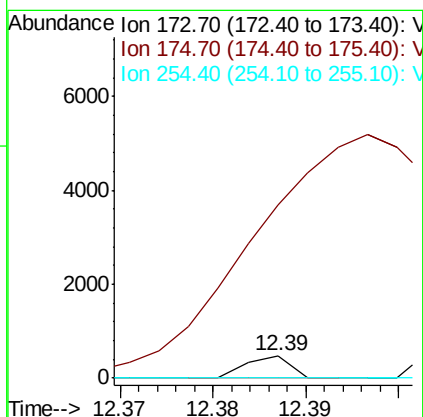
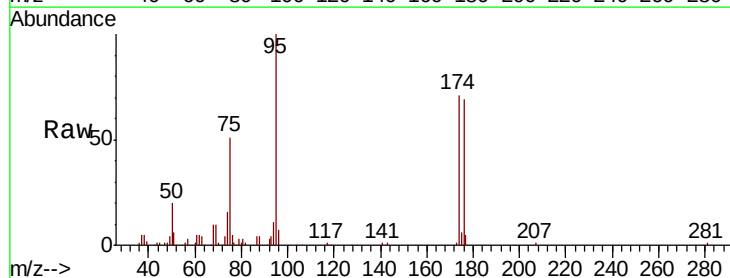
Instrument :
MSVOA_N
ClientSampled :

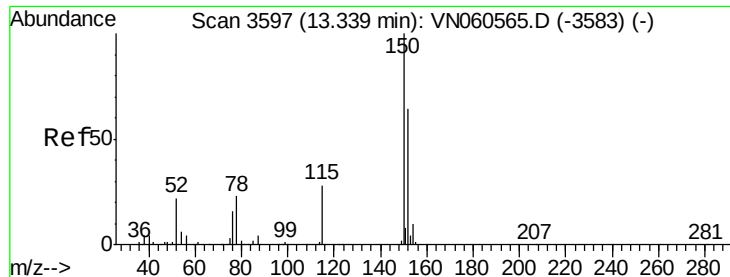
Tot Ion:117 Resp: 311717
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 32.1 25.5 38.3



#71
Bromoform
Concen: 1.763 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.27 min
Lab File: VN060765.D
Acq: 30 Mar 2020 13:11

Tgt Ion:173 Resp: 158
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
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: VN060765.D

Acq: 30 Mar 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

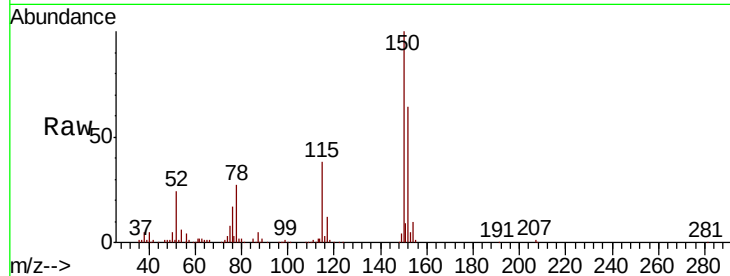
Tot Ion:152 Resp: 141695

Ion Ratio Lower Upper

152 100

115 60.3 30.2 90.6

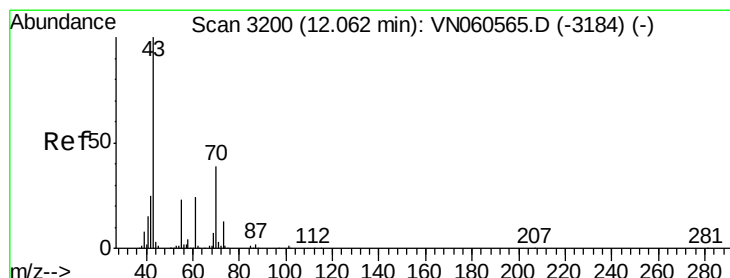
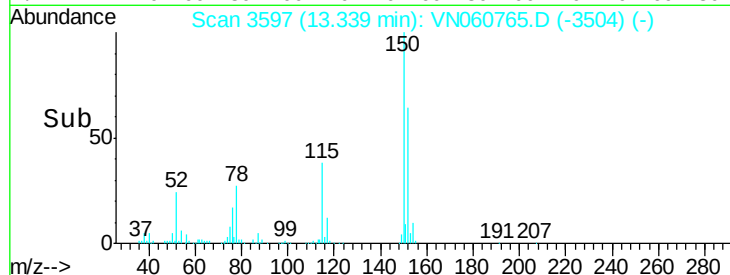
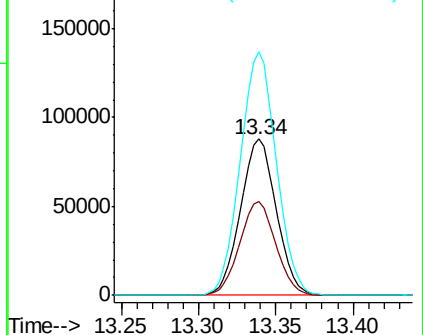
150 157.0 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-amil acetate

Concen: 0.802 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060765.D

Acq: 30 Mar 2020 13:11

Tgt Ion: 43 Resp: 3943

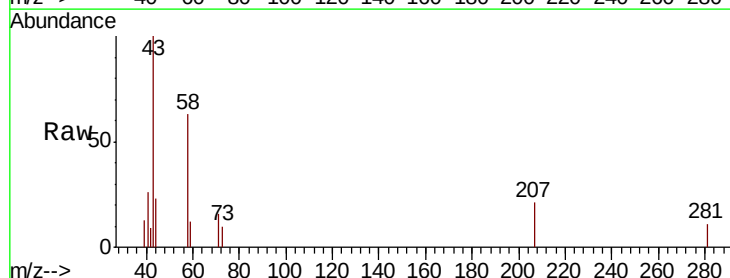
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

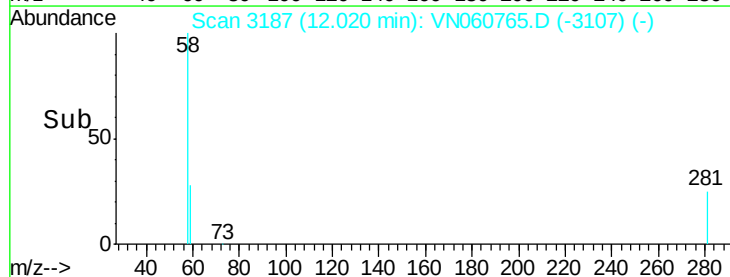
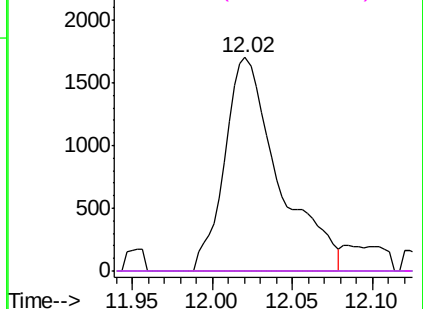


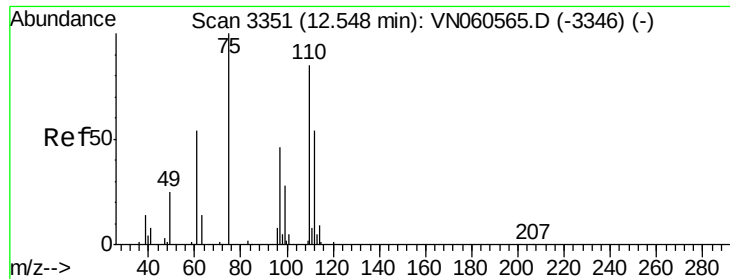
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

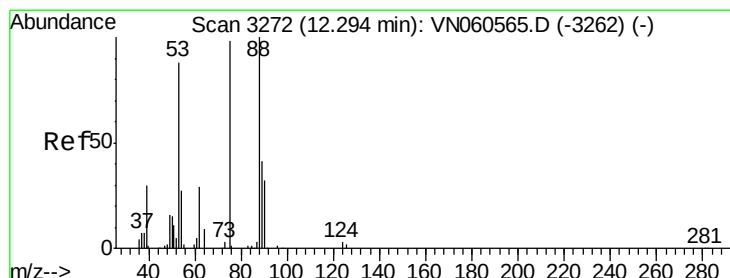
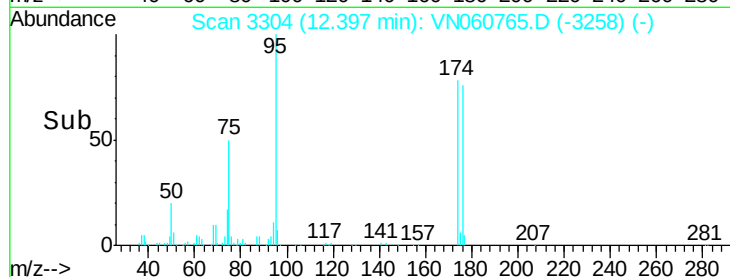
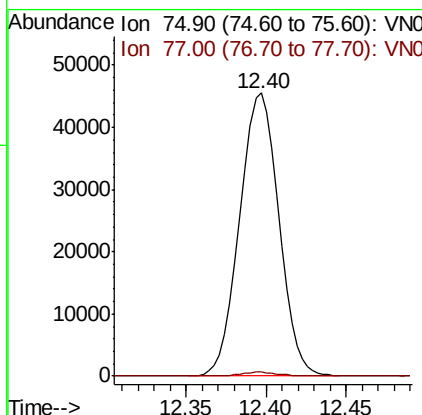
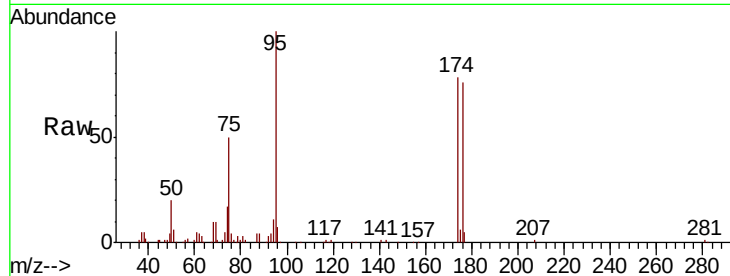




#76
 1,2,3-Trichloropropane
 Concen: 24.915 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060765.D
 Acq: 30 Mar 2020 13:11

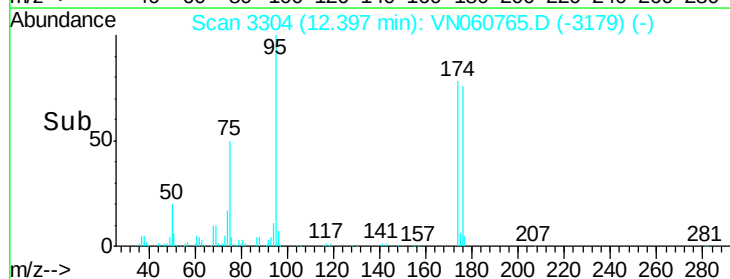
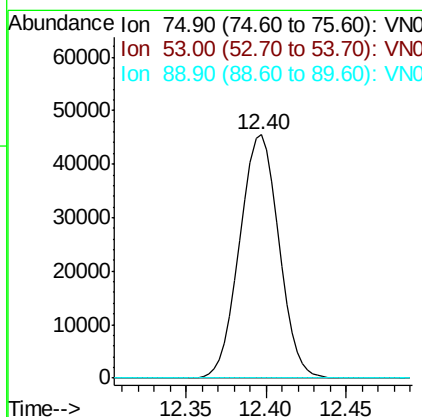
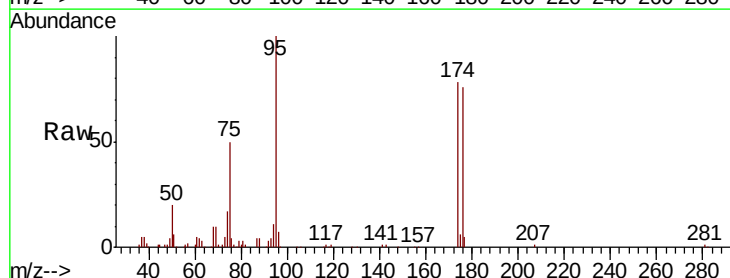
Instrument :
 MSVOA_N
 ClientSampled :

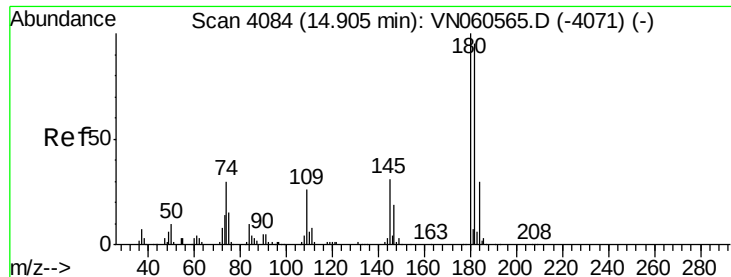
Tot Ion: 75 Resp: 76176
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.988 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060765.D
 Acq: 30 Mar 2020 13:11

Tgt Ion: 75 Resp: 76176
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

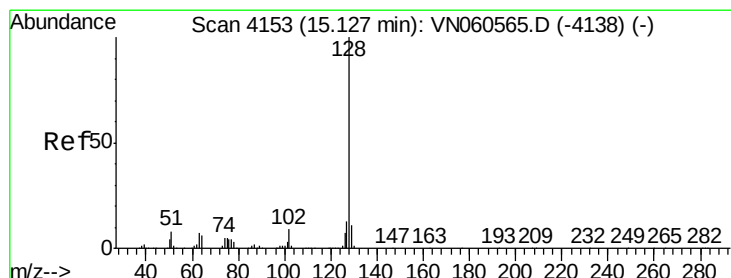
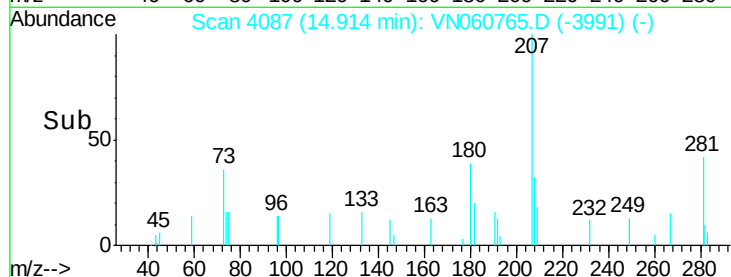
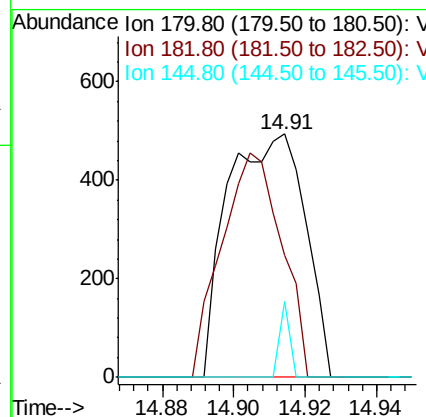
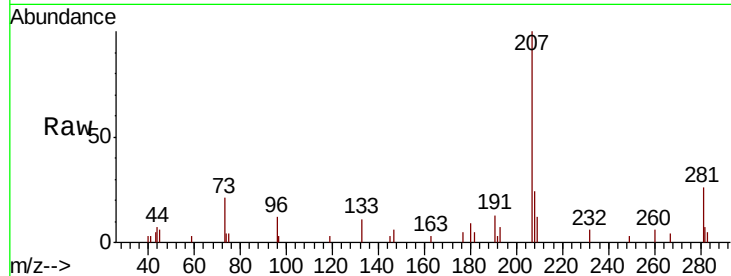




#93
 1,2,4-Trichlorobenzene
 Concen: 0.280 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN060765.D
 Acq: 30 Mar 2020 13:11

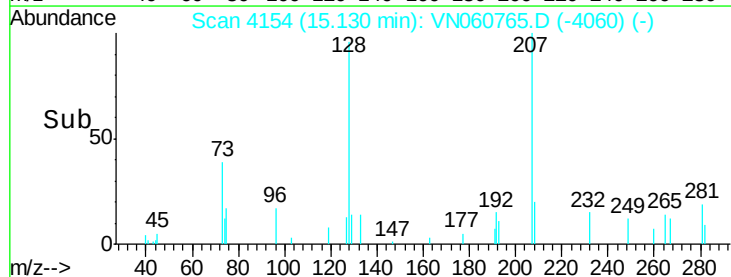
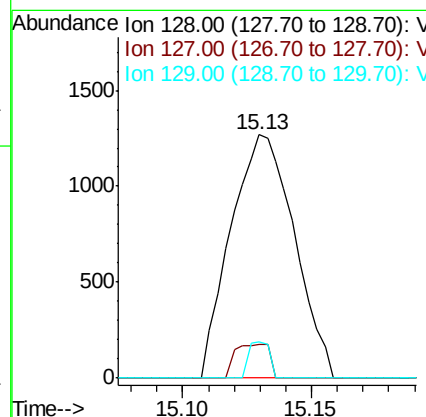
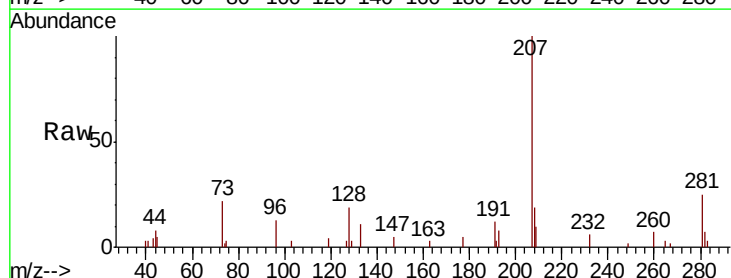
Instrument :
 MSVOA_N
 ClientSampleId :

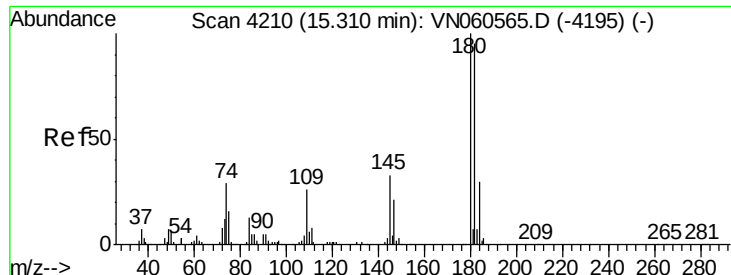
Tot Ion:180 Resp: 742
 Ion Ratio Lower Upper
 180 100
 182 71.4 47.9 143.8
 145 4.0 15.4 46.2#



#95
 Naphthalene
 Concen: 0.273 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060765.D
 Acq: 30 Mar 2020 13:11

Tgt Ion:128 Resp: 2177
 Ion Ratio Lower Upper
 128 100
 127 7.4 10.2 15.2#
 129 4.8 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.249 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN060765.D
 Acq: 30 Mar 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	75.0	47.5	142.6
145	9.2	16.3	48.8#

