

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060083.D
 Acq On : 13 Feb 2020 10:28
 Operator : JC/MD
 Sample : VN0213MBL01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 04:53:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	296165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	108583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108466	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
35) Dibromofluoromethane	7.56	113	88107	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.08	98	355738	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.40	95	121799	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

Target Compounds

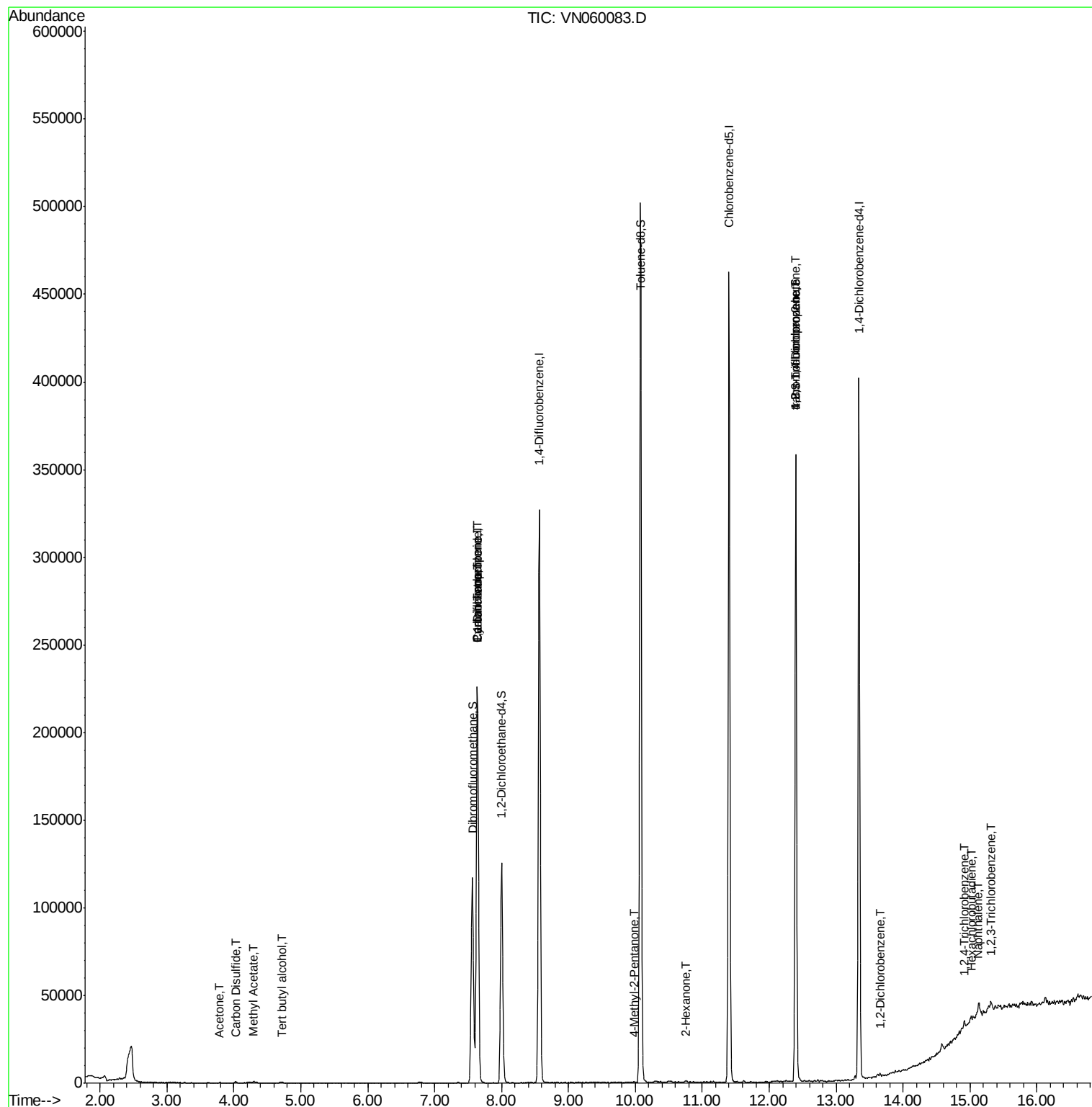
						Qvalue
11) Tert butyl alcohol	4.71	59	240	0.700	ug/l #	72
16) Acetone	3.79	43	238	0.238	ug/l #	43
17) Carbon Disulfide	4.03	76	1194	0.223	ug/l #	76
18) Methyl Acetate	4.29	43	1864	0.994	ug/l #	57
31) Cyclohexane	7.64	56	3893	1.202	ug/l #	23
36) 1,1-Dichloropropene	7.64	75	13925	5.076	ug/l #	48
38) Carbon Tetrachloride	7.64	117	18138	6.088	ug/l #	15
51) 4-Methyl-2-Pentanone	9.98	43	534	0.218	ug/l #	35
59) 2-Hexanone	10.75	43	935	0.493	ug/l	74
76) 1,2,3-Trichloropropane	12.40	75	63224	30.434	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	63224	74.517	ug/l #	12
91) 1,2-Dichlorobenzene	13.65	146	706	0.203	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	233	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1733	0.846	ug/l	96
94) Hexachlorobutadiene	15.01	225	472	0.394	ug/l	80
95) Naphthalene	15.13	128	6431	1.162	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	2522	1.236	ug/l	92

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

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 14 04:53:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060083.D

Acq: 13 Feb 2020 10:28

Instrument :

MSVOA_N

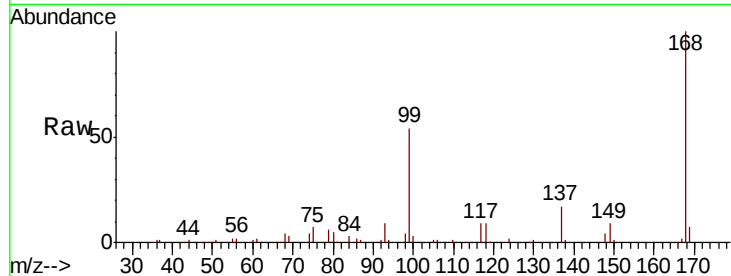
ClientSampled :

Tot Ion:168 Resp: 188169

Ion Ratio Lower Upper

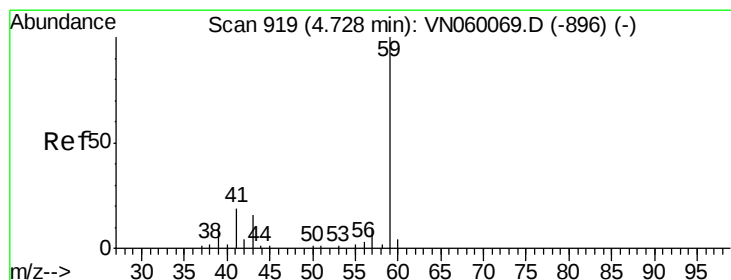
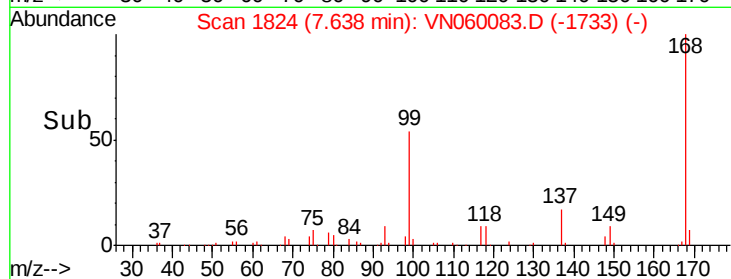
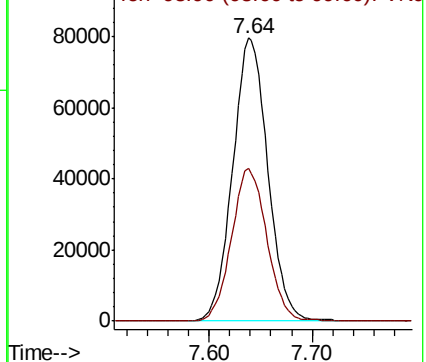
168 100

99 53.8 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.700 ug/l

RT: 4.71 min Scan# 914

Delta R.T. -0.02 min

Lab File: VN060083.D

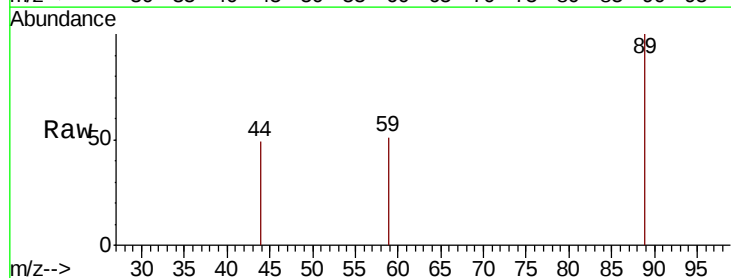
Acq: 13 Feb 2020 10:28

Tgt Ion: 59 Resp: 240

Ion Ratio Lower Upper

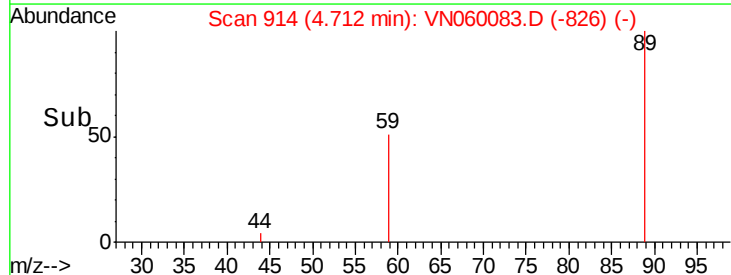
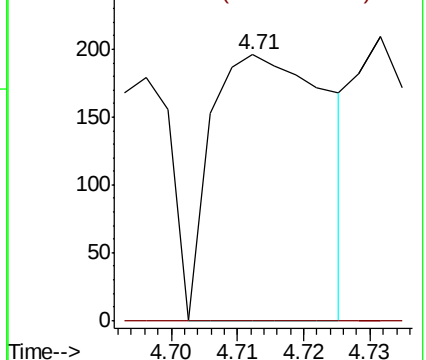
59 100

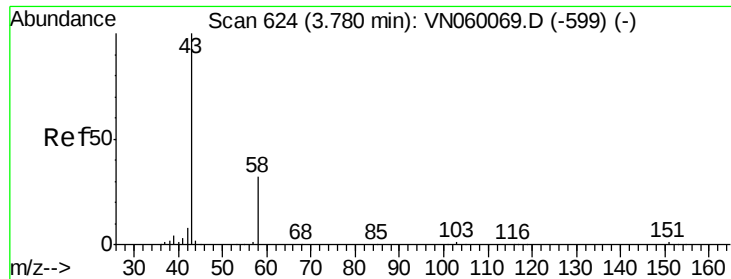
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

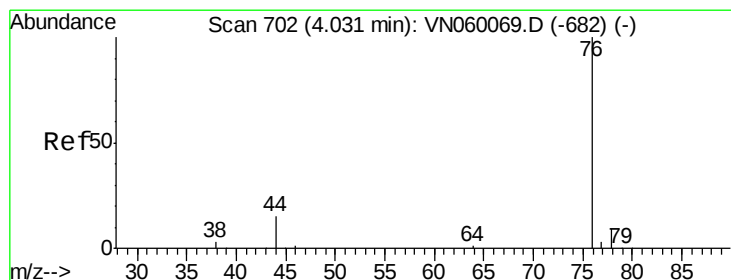
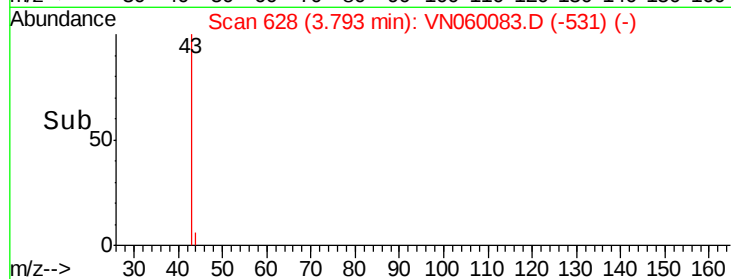
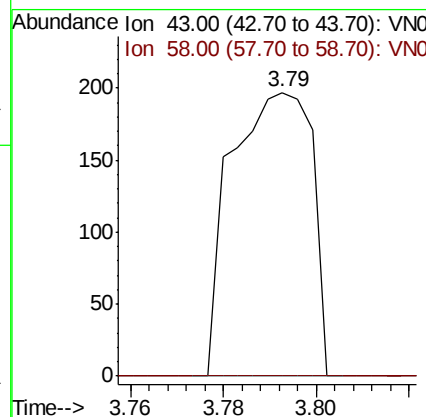
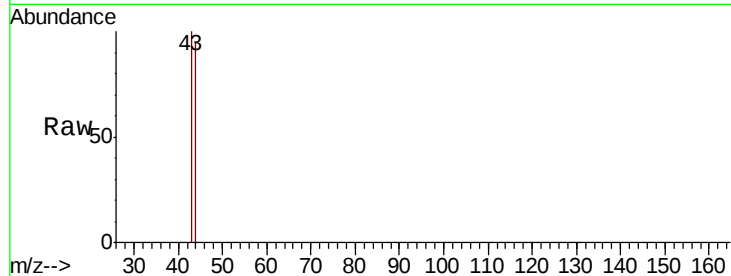




#16
Acetone
Concen: 0.238 ug/l
RT: 3.79 min Scan# 628
Delta R.T. 0.01 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

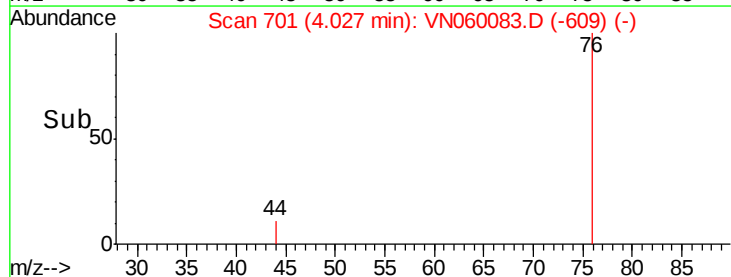
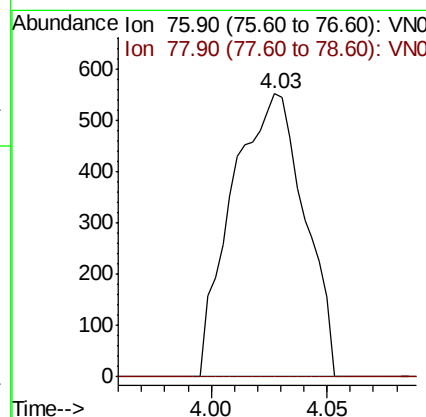
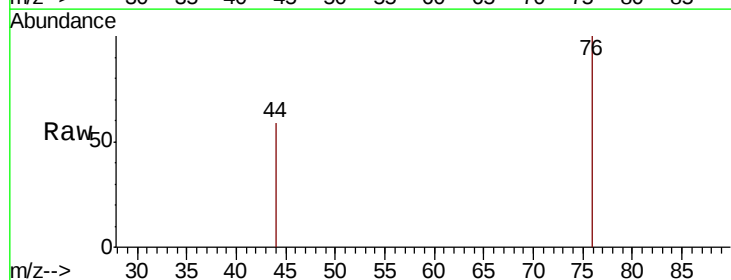
Instrument :
MSVOA_N
ClientSampled :

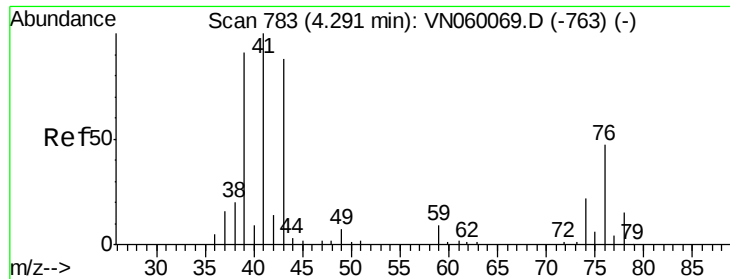
Tot Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



#17
Carbon Disulfide
Concen: 0.223 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

Tgt Ion: 76 Resp: 1194
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

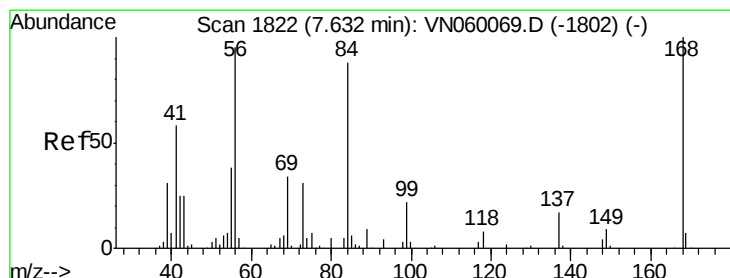
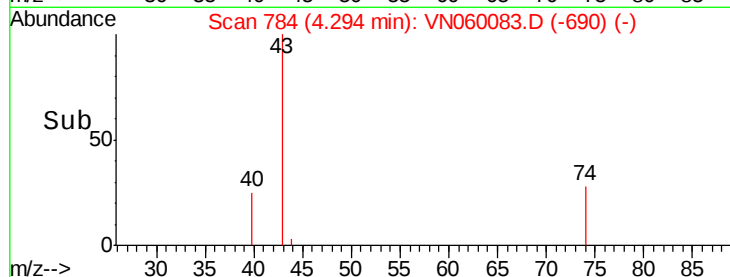
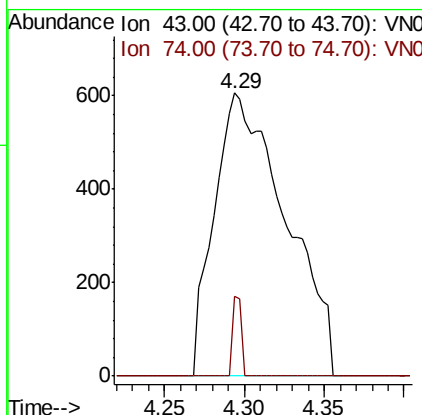
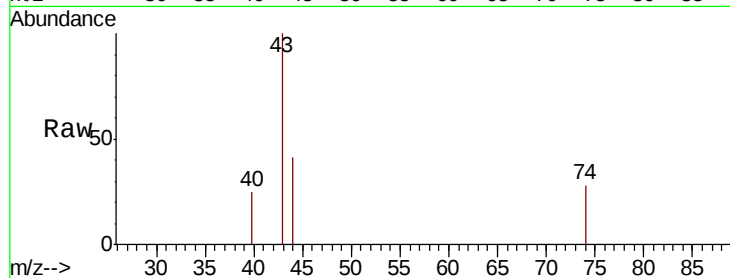




#18
Methyl Acetate
Concen: 0.994 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

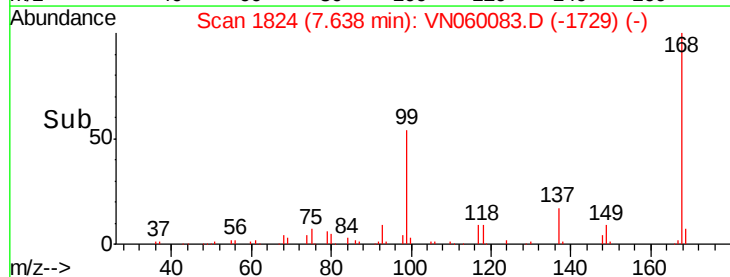
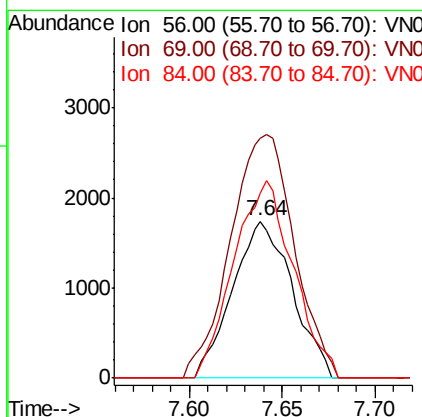
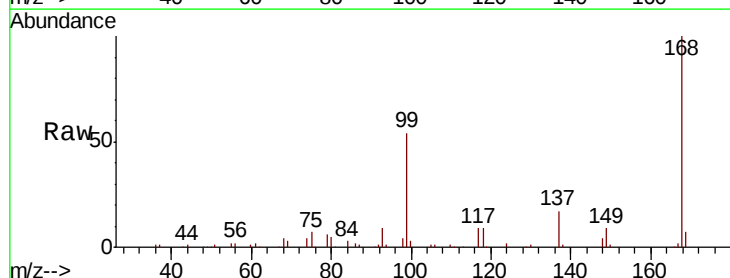
Instrument :
MSVOA_N
ClientSampleId :

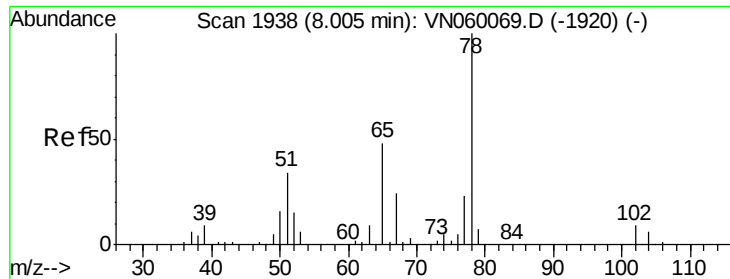
Tot Ion: 43 Resp: 1864
Ion Ratio Lower Upper
43 100
74 3.5 20.3 30.5#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

Tgt Ion: 56 Resp: 3893
Ion Ratio Lower Upper
56 100
69 153.1 28.3 42.5#
84 117.9 72.6 108.8#

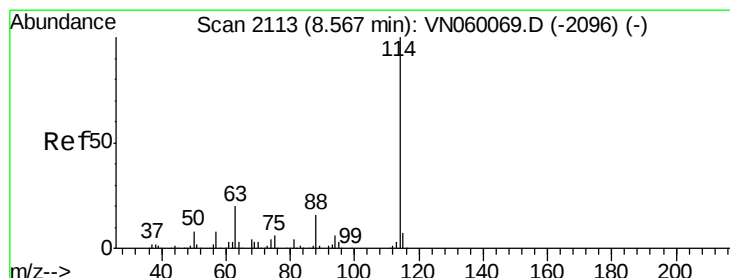
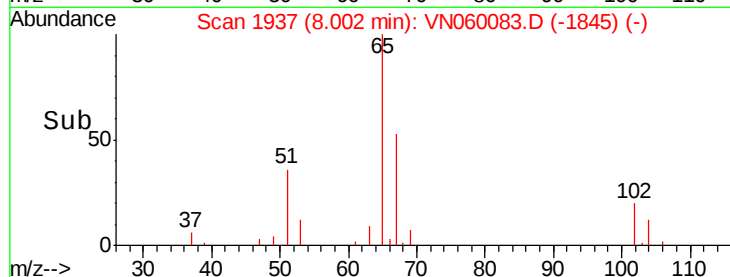
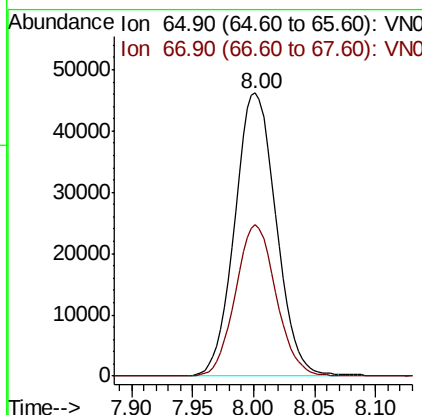
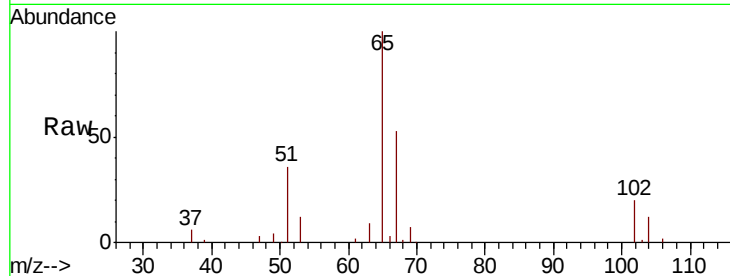




#33
 1,2-Dichloroethane-d4
 Concen: 47.371 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060083.D
 Acq: 13 Feb 2020 10:28

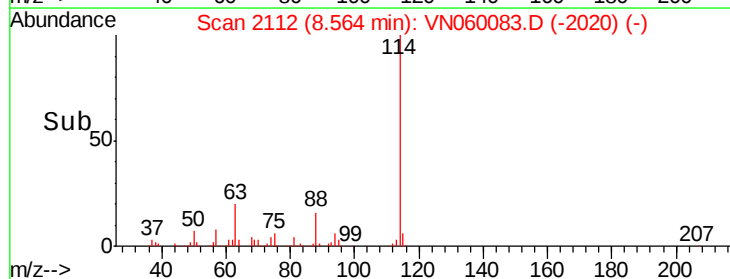
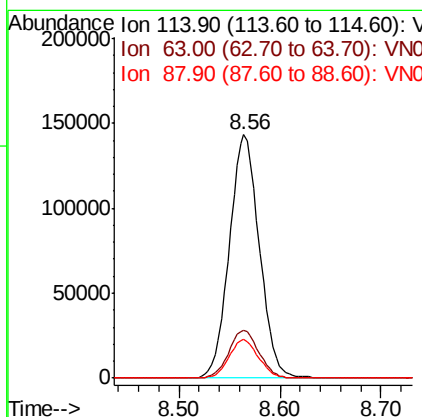
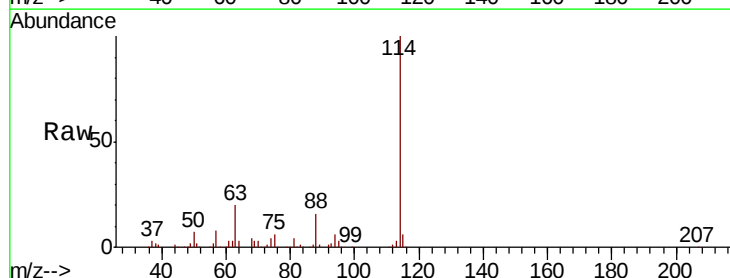
Instrument :
 MSVOA_N
 ClientSampleId :

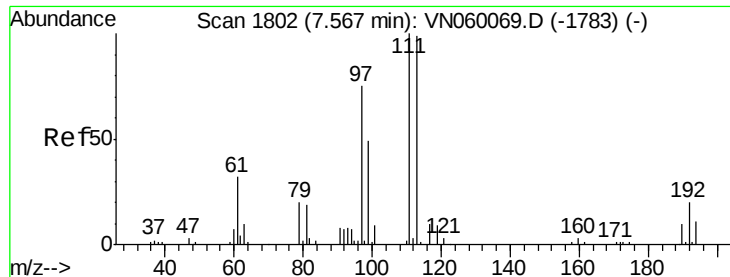
Tot Ion: 65 Resp: 108466
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060083.D
 Acq: 13 Feb 2020 10:28

Tgt Ion: 114 Resp: 296165
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.7 0.0 31.6

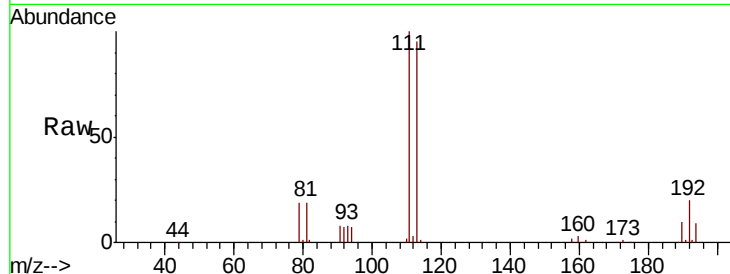




#35
 Dibromofluoromethane
 Concen: 48.396 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060083.D
 Acq: 13 Feb 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.2
192	20.2	16.2	24.2

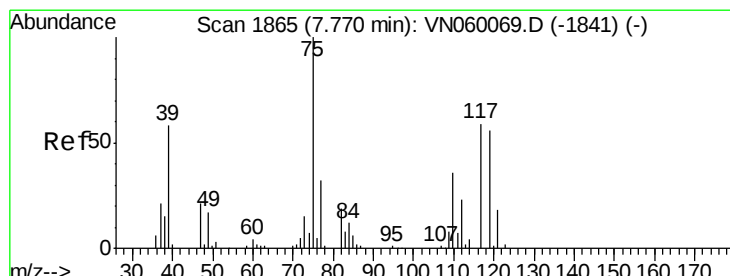
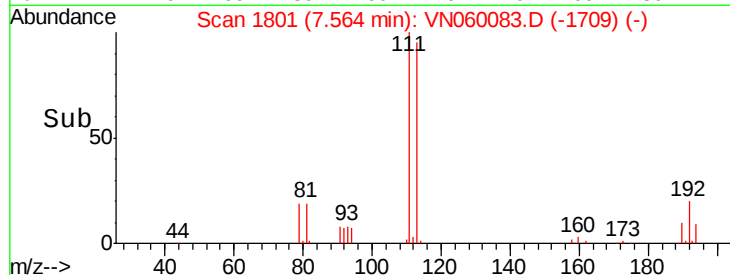
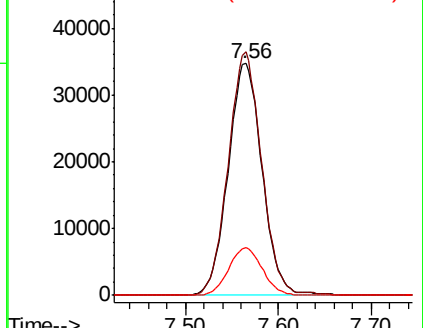


Abundance

Ion 112.80 (112.50 to 113.50): V

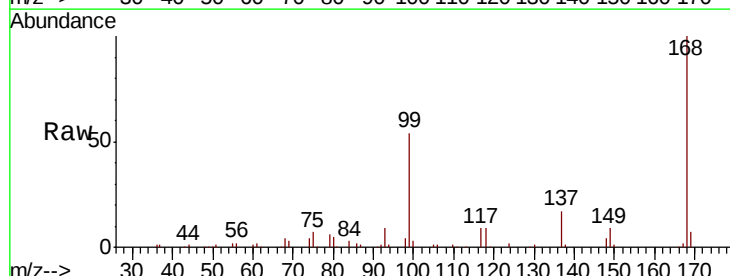
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.076 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060083.D
 Acq: 13 Feb 2020 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.1	54.3#
77	0.0	25.1	37.7#

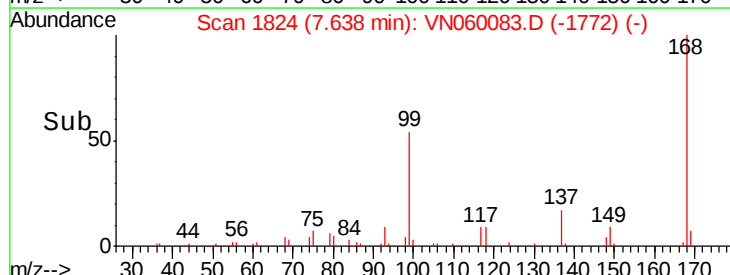
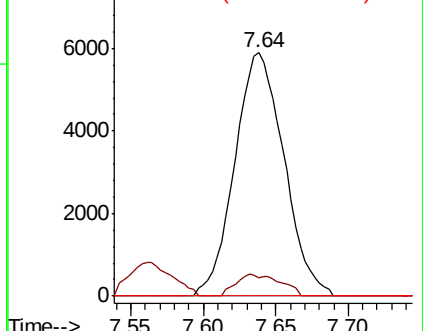


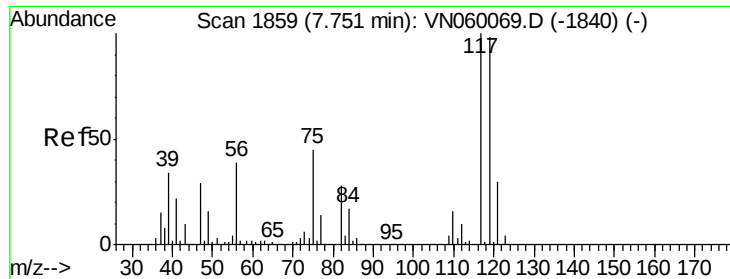
Abundance

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

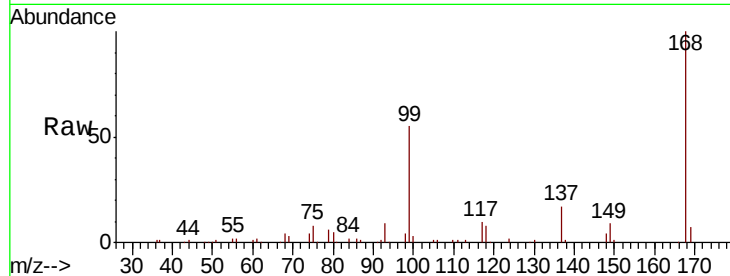




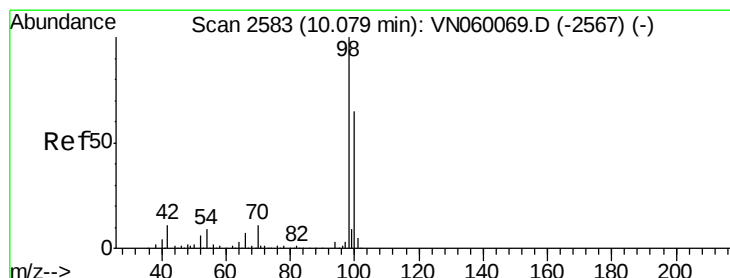
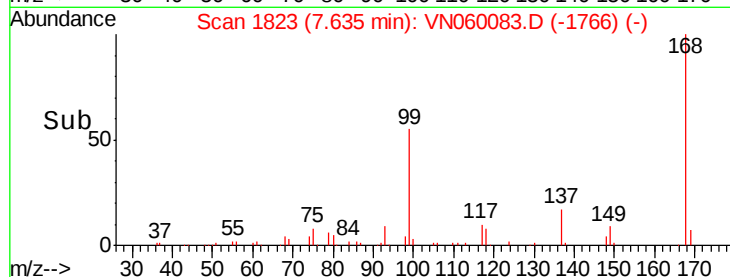
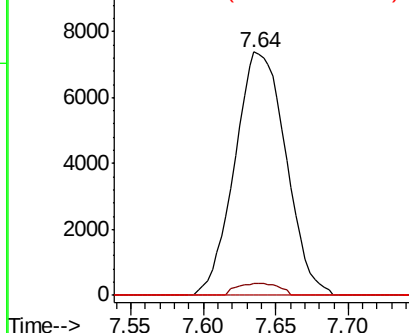
#38
Carbon Tetrachloride
Concen: 6.088 ug/l
RT: 7.64 min Scan# 1823
Delta R.T. -0.12 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 18138
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.4#
121 0.0 24.2 36.2#

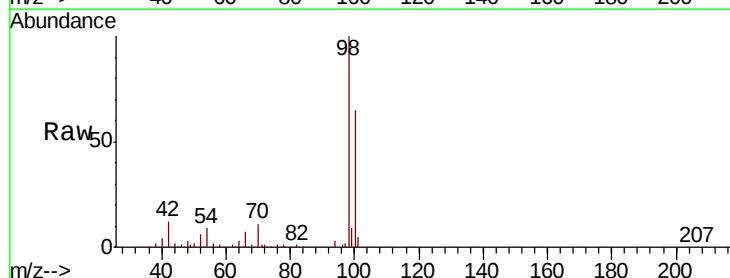


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

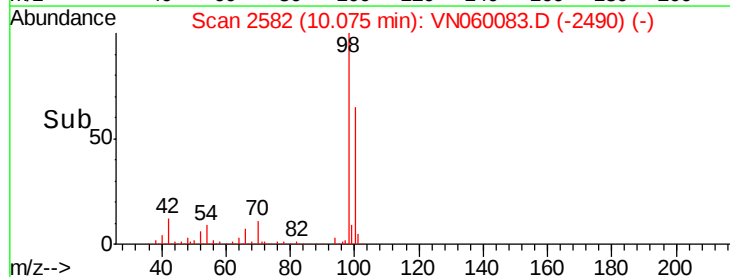
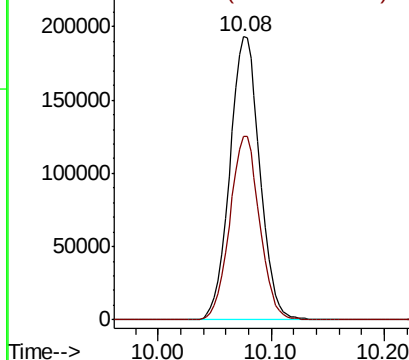


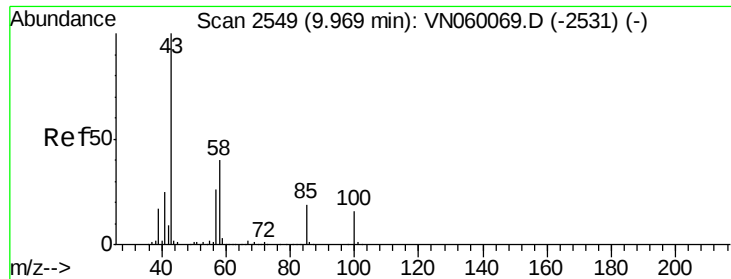
#50
Toluene-d8
Concen: 49.621 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

Tgt Ion: 98 Resp: 355738
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



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

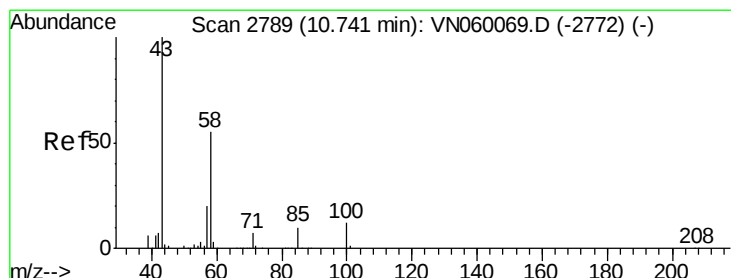
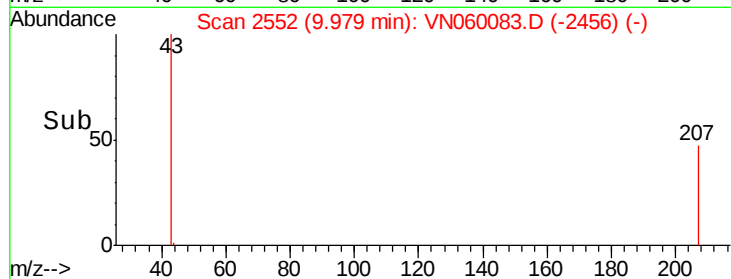
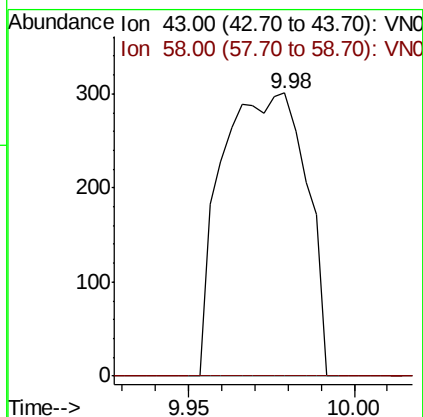
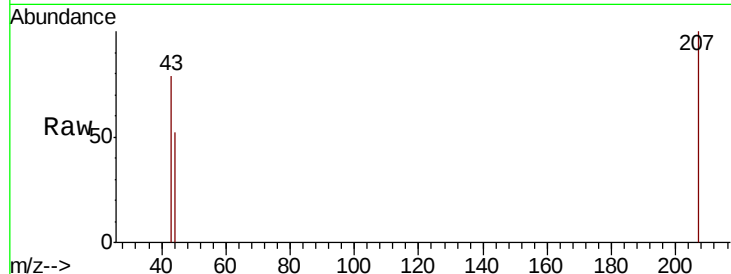




#51
4-Methyl-2-Pentanone
Concen: 0.218 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.01 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

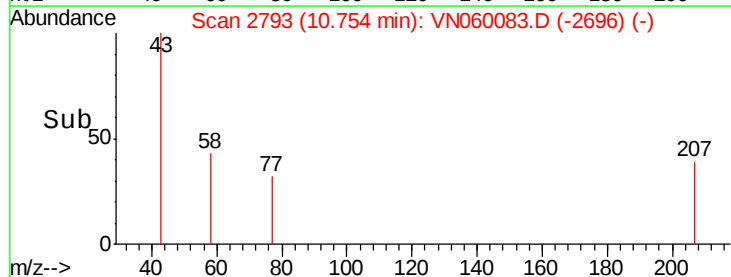
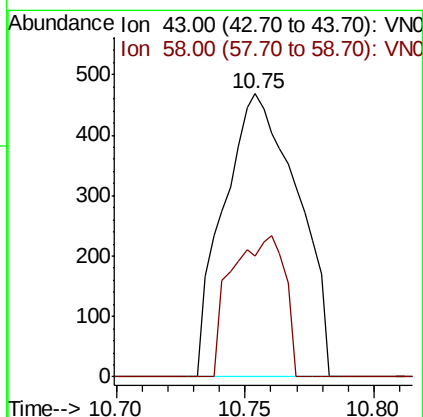
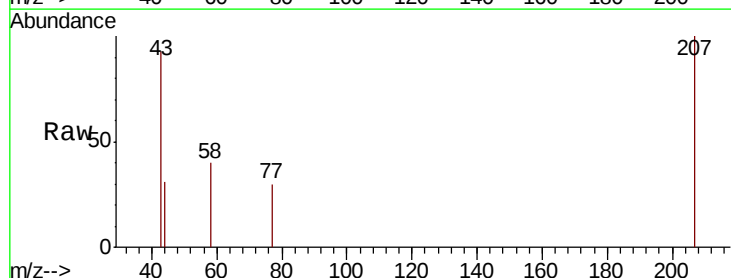
Instrument :
MSVOA_N
ClientSampled :

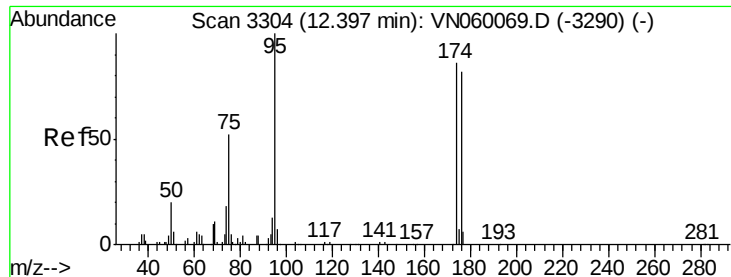
Tot Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#



#59
2-Hexanone
Concen: 0.493 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
58 36.1 27.5 82.4





#62

4-Bromofluorobenzene

Concen: 46.235 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060083.D

Acq: 13 Feb 2020 10:28

Instrument :

MSVOA_N

ClientSampled :

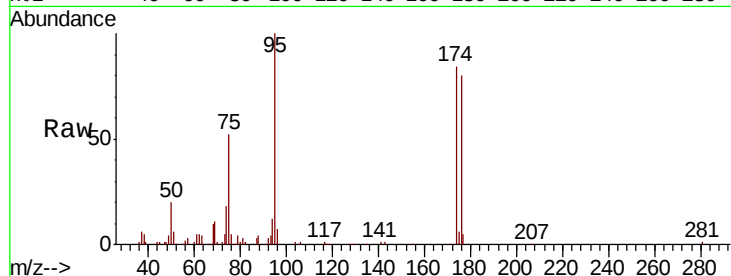
Tot Ion: 95 Resp: 121799

Ion Ratio Lower Upper

95 100

174 84.2 0.0 169.8

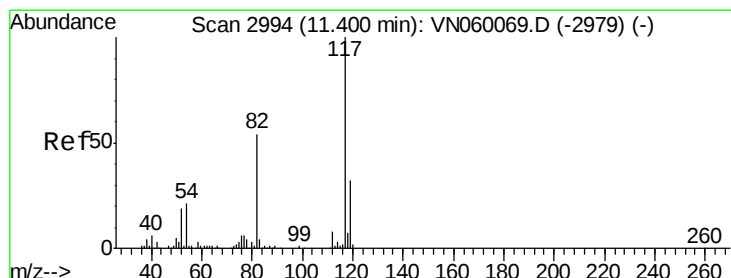
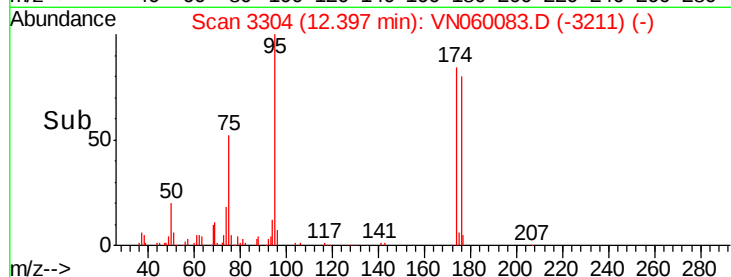
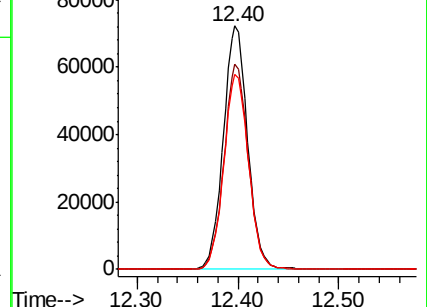
176 81.5 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060069.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060069.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060069.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060083.D

Acq: 13 Feb 2020 10:28

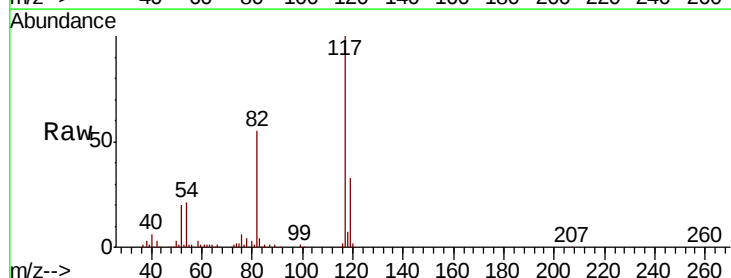
Tgt Ion: 117 Resp: 265583

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

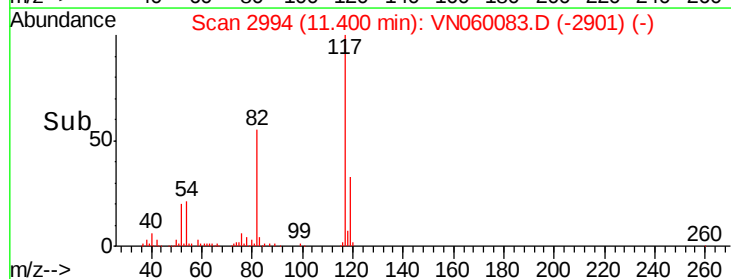
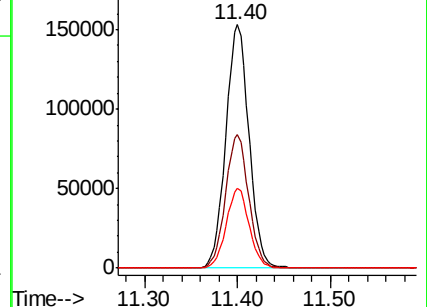
119 32.7 25.8 38.6

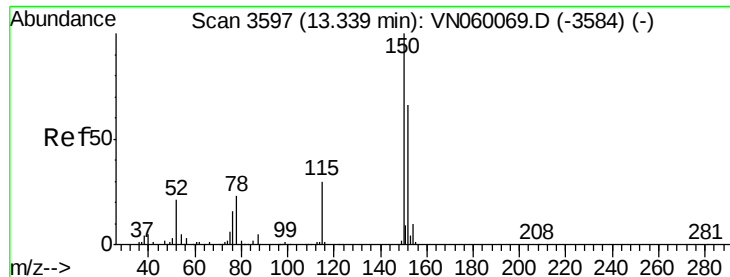


Abundance Ion 116.90 (116.60 to 117.60): VN060069.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060069.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060069.D (-2979) (-)



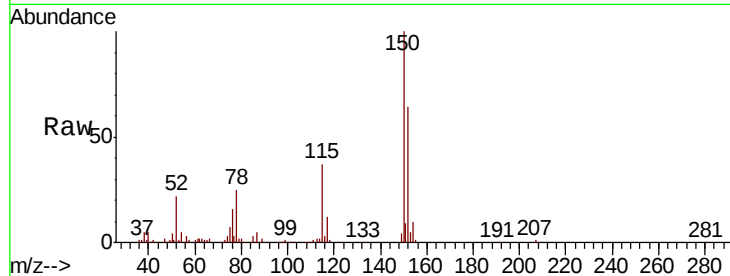


#72

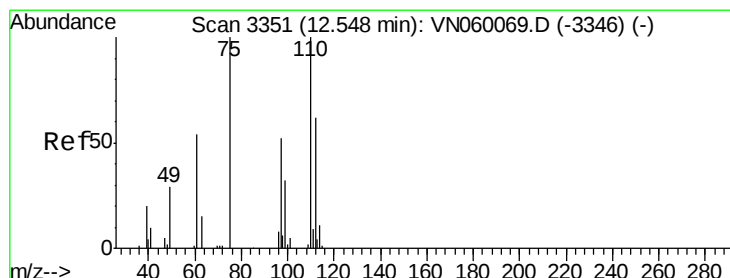
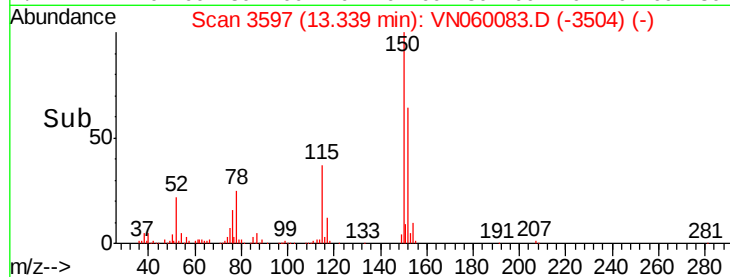
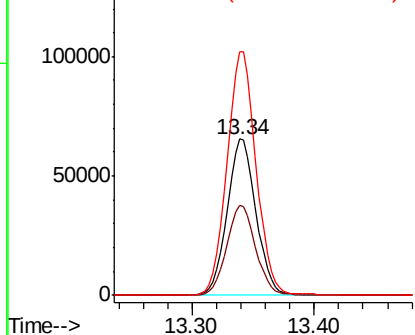
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.8
150	157.4	0.0	342.4



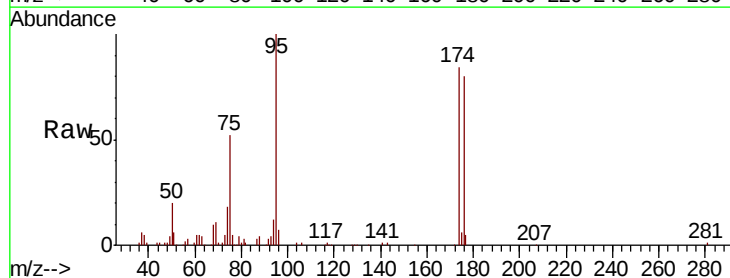
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



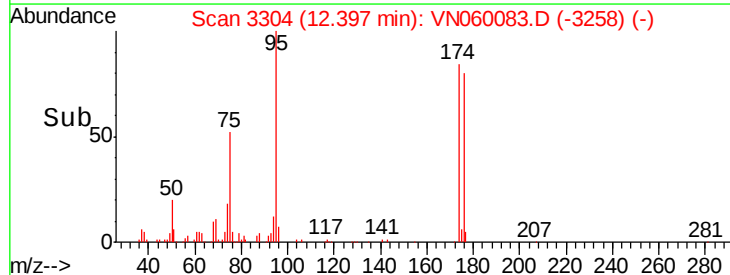
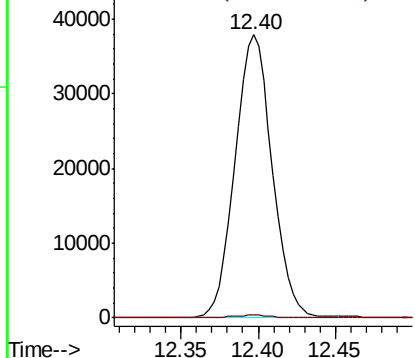
#76

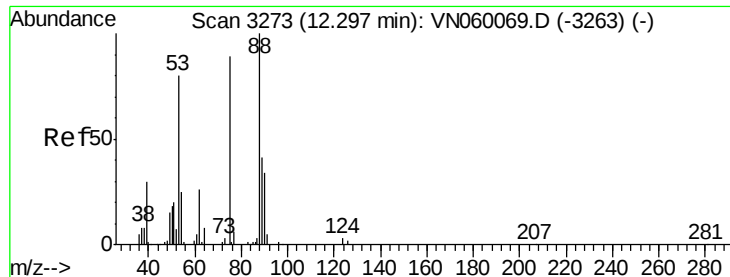
1,2,3-Trichloropropane
Concen: 30.434 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0

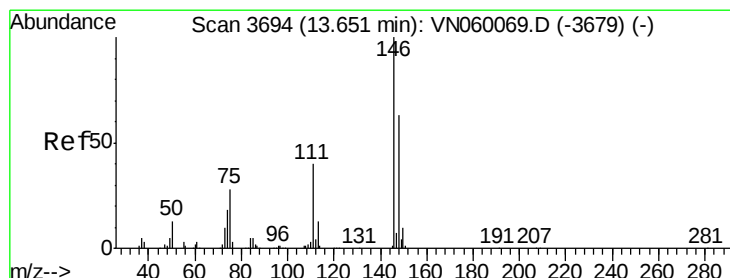
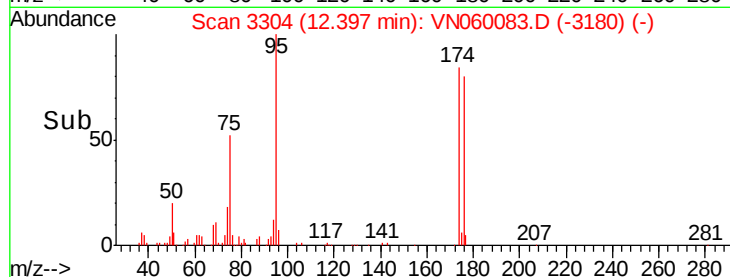
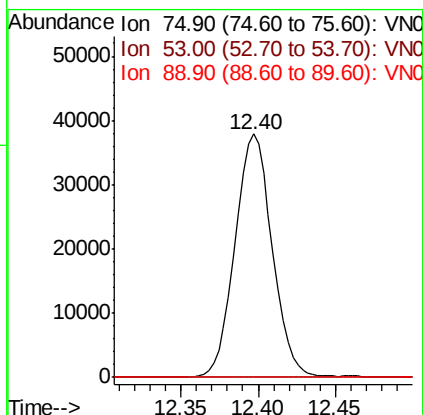
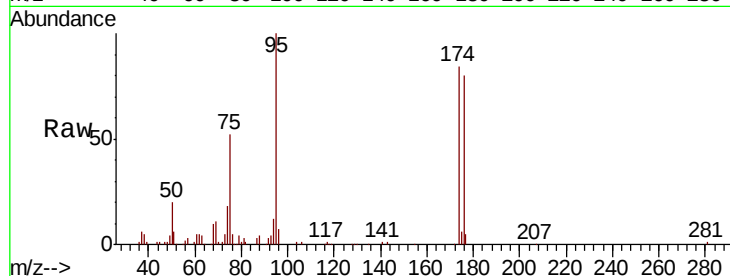




#81
trans-1,4-Dichloro-2-butene
Concen: 74.517 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

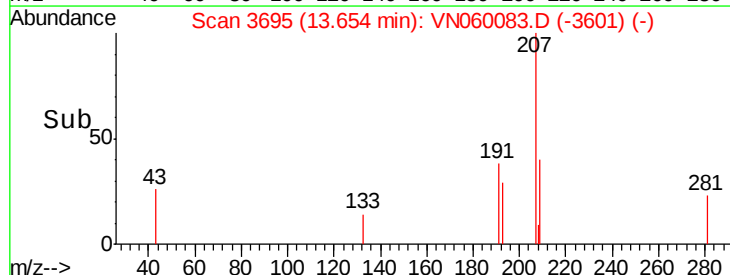
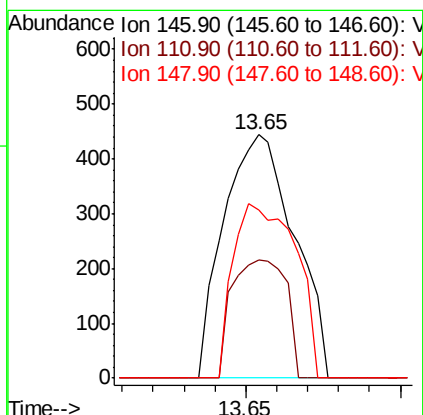
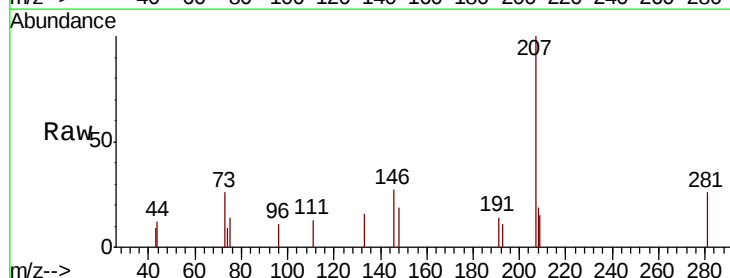
Instrument :
MSVOA_N
ClientSampled :

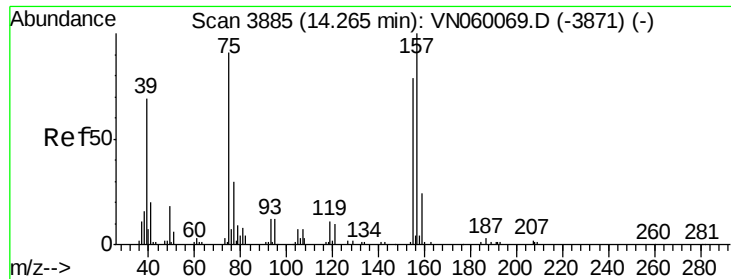
Tot Ion: 75 Resp: 63224
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.0 55.4#



#91
1,2-Dichlorobenzene
Concen: 0.203 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN060083.D
Acq: 13 Feb 2020 10:28

Tgt Ion: 146 Resp: 706
Ion Ratio Lower Upper
146 100
111 37.0 20.1 60.2
148 63.5 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VN060083.D

Acq: 13 Feb 2020 10:28

Instrument :

MSVOA_N

ClientSampled :

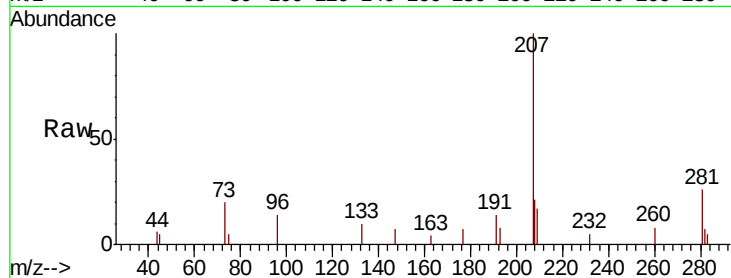
Tot Ion: 75 Resp: 233

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

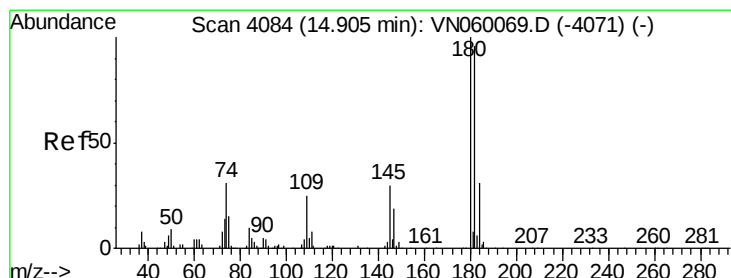
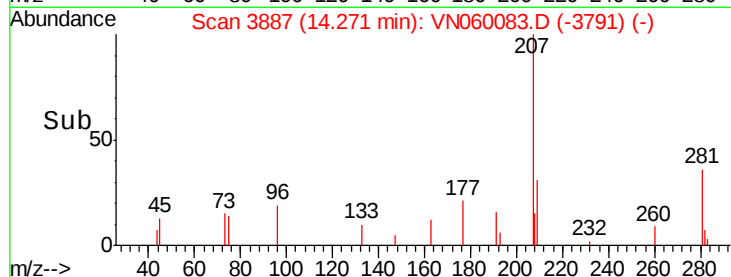
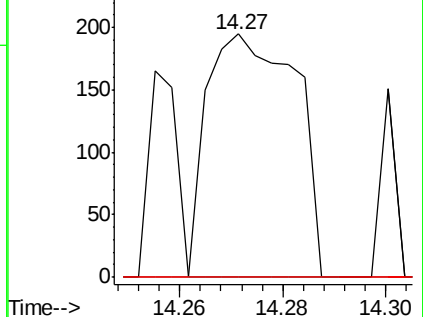
157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3871) (-)

Ion 154.80 (154.50 to 155.50): VN060069.D (-3871) (-)

Ion 156.80 (156.50 to 157.50): VN060069.D (-3871) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.846 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN060083.D

Acq: 13 Feb 2020 10:28

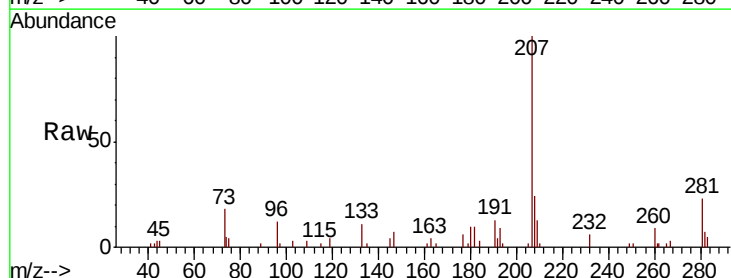
Tgt Ion: 180 Resp: 1733

Ion Ratio Lower Upper

180 100

182 90.8 47.9 143.8

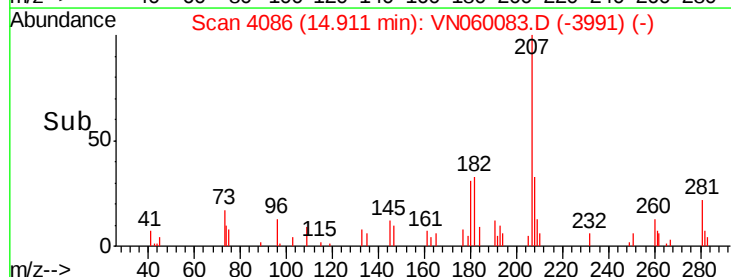
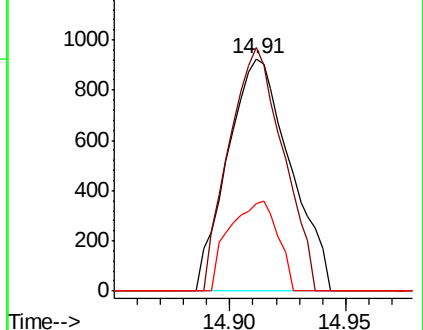
145 30.1 15.2 45.5

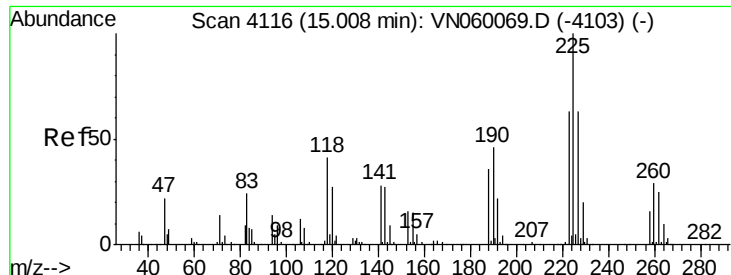


Abundance Ion 179.80 (179.50 to 180.50): VN060069.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN060069.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN060069.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 0.394 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN060083.D

Acq: 13 Feb 2020 10:28

Instrument :

MSVOA_N

ClientSampled :

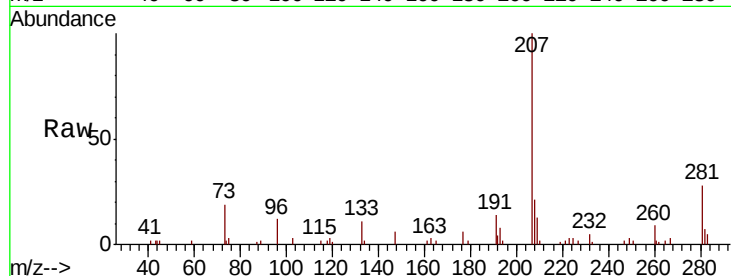
Tot Ion:225 Resp: 472

Ion Ratio Lower Upper

225 100

223 82.6 31.5 94.5

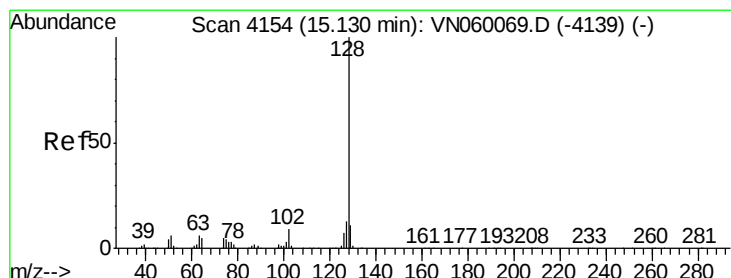
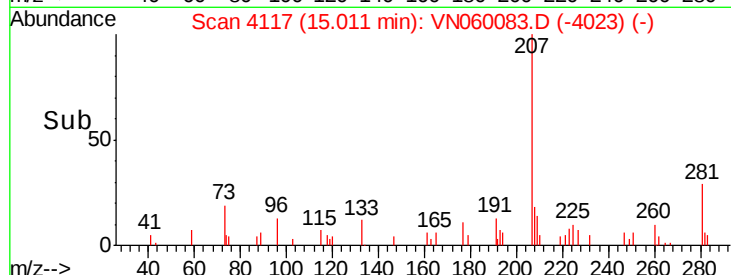
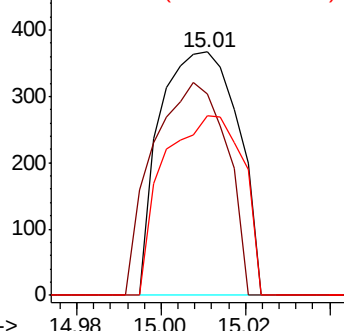
227 74.6 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.162 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060083.D

Acq: 13 Feb 2020 10:28

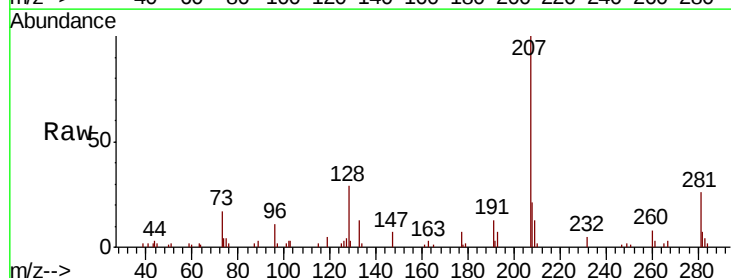
Tgt Ion:128 Resp: 6431

Ion Ratio Lower Upper

128 100

127 11.8 10.3 15.5

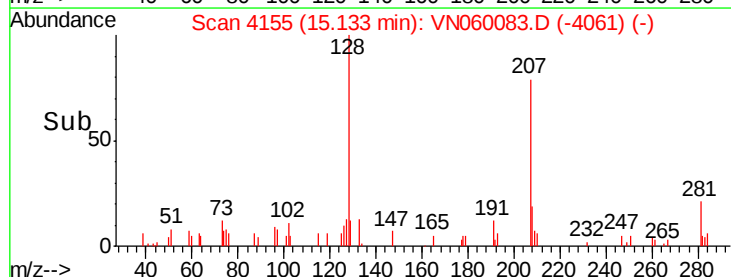
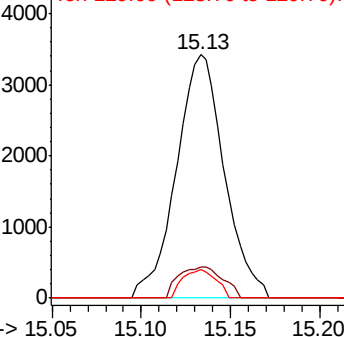
129 8.2 8.6 13.0#

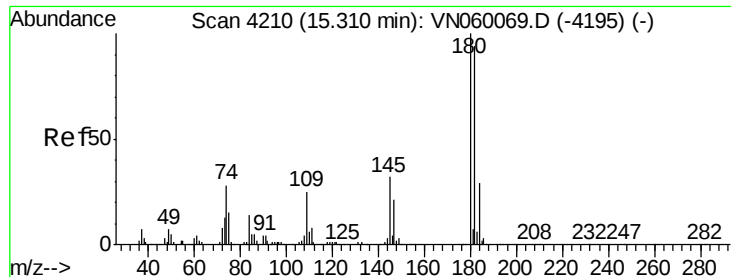


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

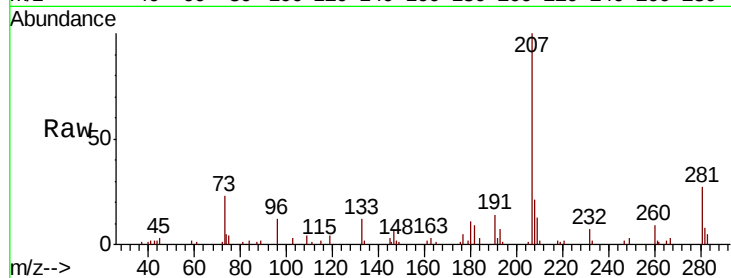




#96
 1,2,3-Trichlorobenzene
 Concen: 1.236 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060083.D
 Acq: 13 Feb 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.0	47.5	142.5
145	34.4	16.1	48.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

