

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060384.D
 Acq On : 6 Mar 2020 16:36
 Operator : JC/MD
 Sample : PB127296ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:57:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141075	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	125672	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	7.57	113	89732	59.83	ug/l	0.00
Spiked Amount			Recovery	=	119.66%	
50) Toluene-d8	10.08	98	397665	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.40	95	148299	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

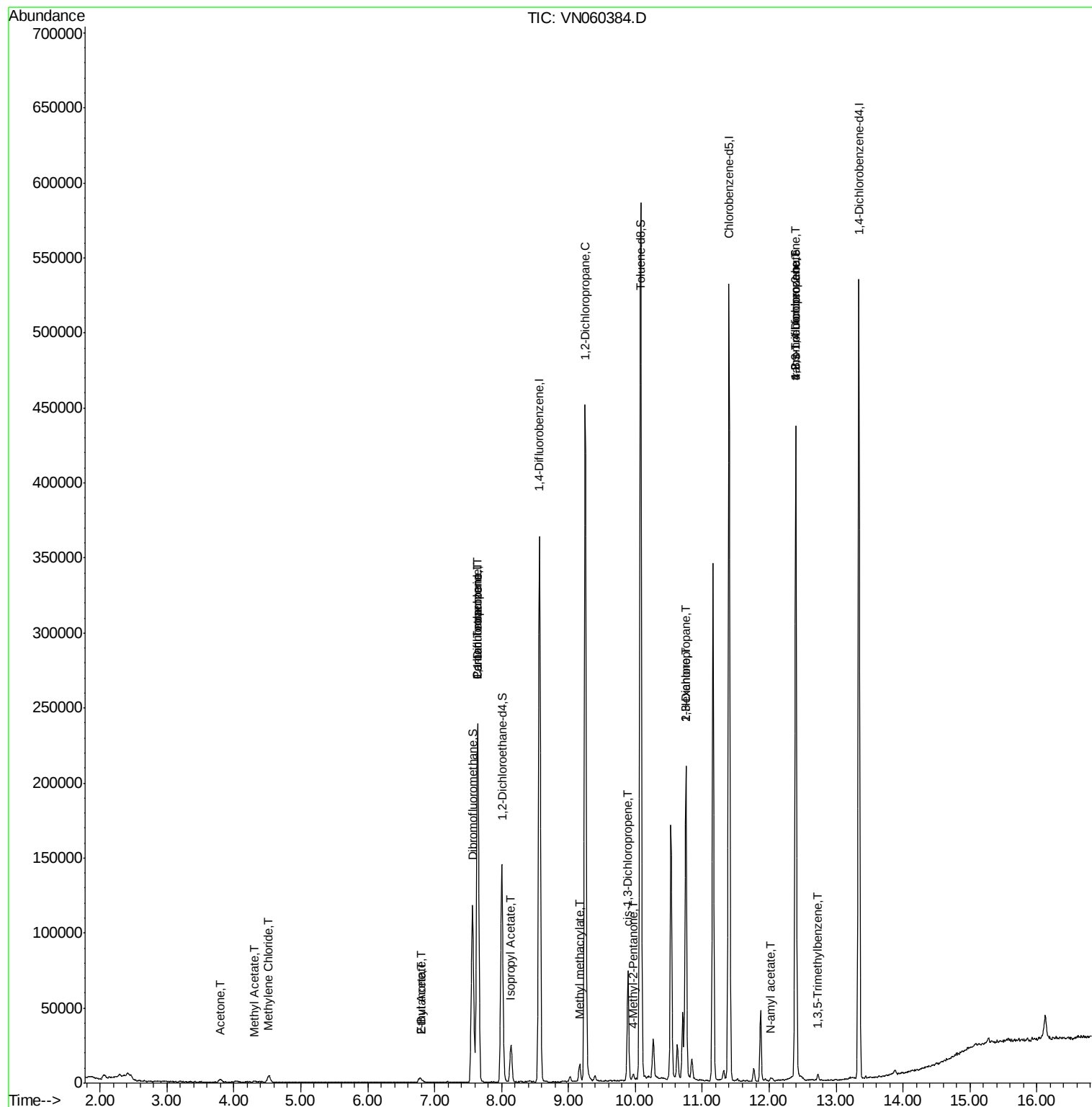
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3993	4.898	ug/l #	89
18) Methyl Acetate	4.30	43	733	0.269	ug/l #	52
20) Methylene Chloride	4.53	84	3635	1.623	ug/l	97
25) 2-Butanone	6.81	43	1770	1.344	ug/l #	49
31) Cyclohexane	7.64	56	4052	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15140	4.916	ug/l #	49
37) Ethyl Acetate	6.81	43	1770	0.607	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18237	6.083	ug/l #	16
43) Isopropyl Acetate	8.14	43	29341	5.748	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	484	0.207	ug/l #	44
48) Methyl methacrylate	9.16	41	2079	0.893	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3056	1.056	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	13106	3.338	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2050	0.555	ug/l #	42
59) 2-Hexanone	10.75	43	30741	14.466	ug/l #	52
74) N-amyl acetate	12.02	43	2463	0.539	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	77255	24.960	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2403	0.273	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	77255	68.900	ug/l #	8
95) Naphthalene	15.13	128	245	Below Cal	#	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030620\
Data File : VN060384.D
Acq On : 6 Mar 2020 16:36
Operator : JC/MD
Sample : PB127296ZHE#03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 07 00:57:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

Instrument :

MSVOA_N

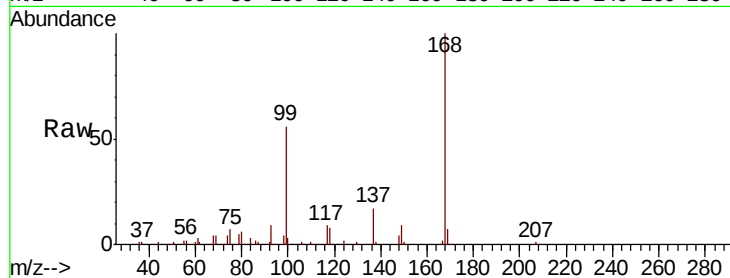
ClientSampled :

Tot Ion:168 Resp: 196781

Ion Ratio Lower Upper

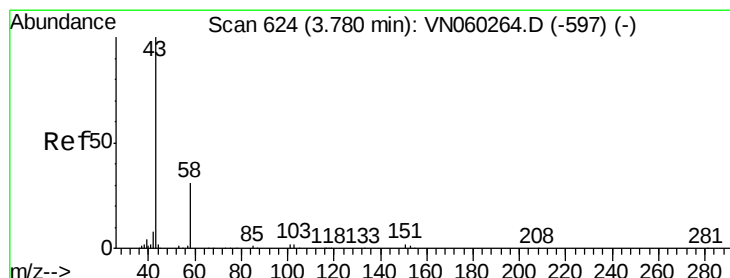
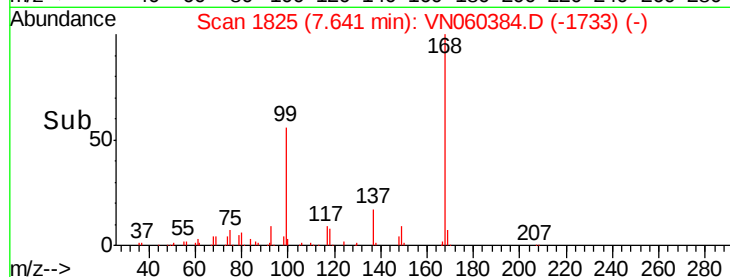
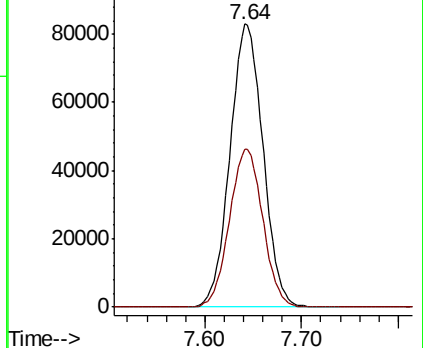
168 100

99 55.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 4.898 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060384.D

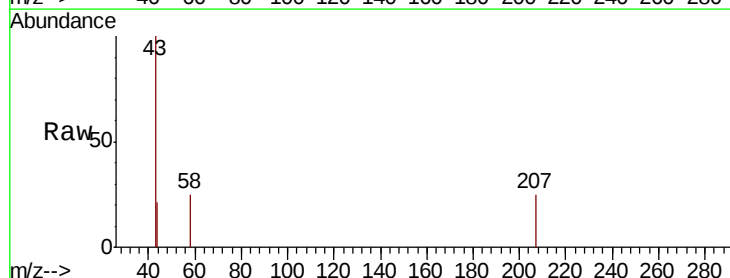
Acq: 6 Mar 2020 16:36

Tgt Ion: 43 Resp: 3993

Ion Ratio Lower Upper

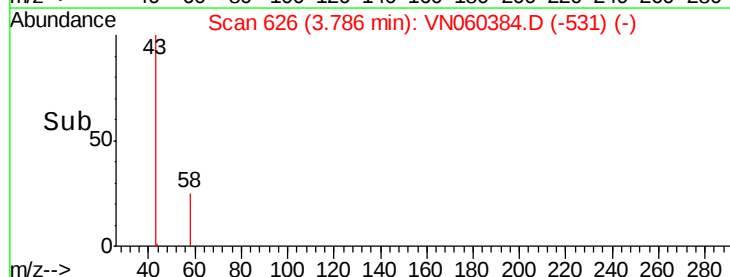
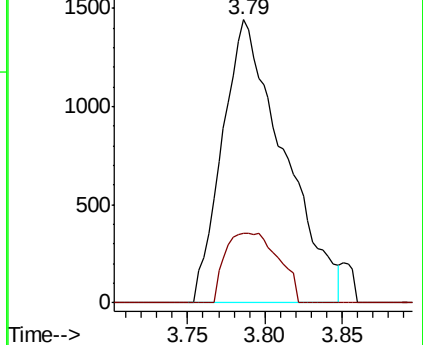
43 100

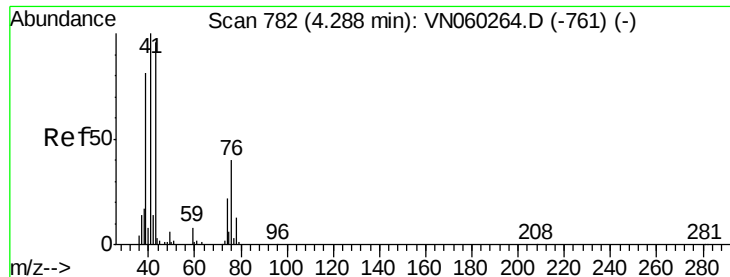
58 24.5 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

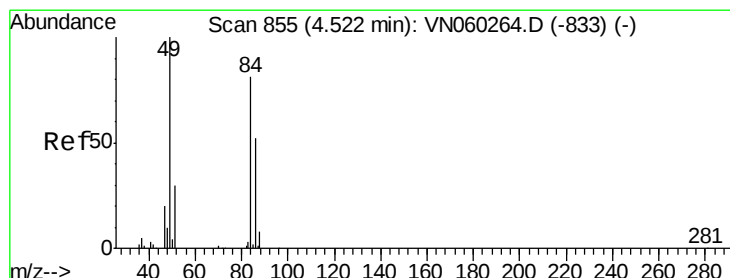
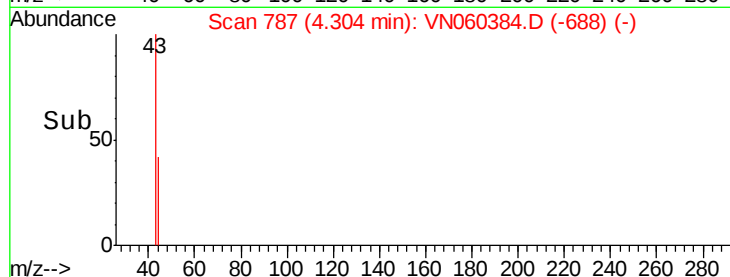
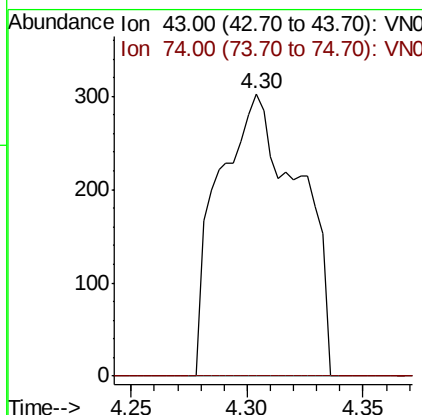
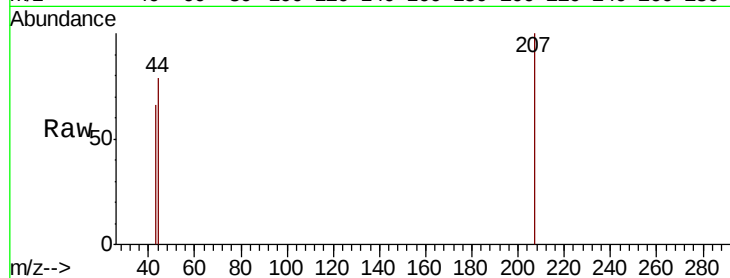




#18
Methvl Acetate
Concen: 0.269 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060384.D
Acq: 6 Mar 2020 16:36

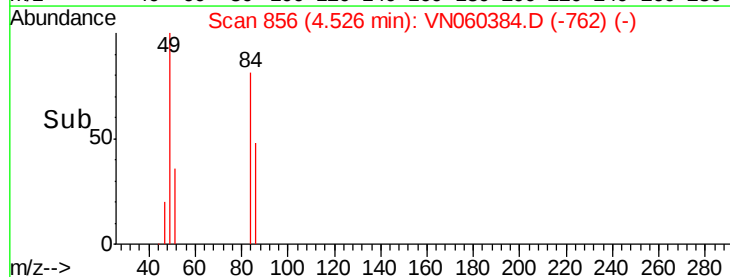
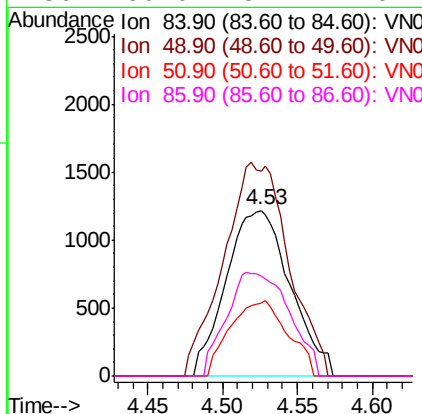
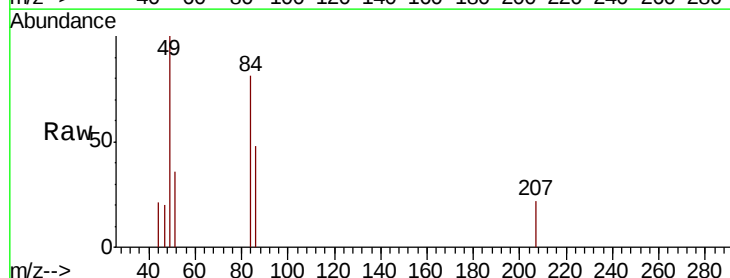
Instrument :
MSVOA_N
ClientSampled :

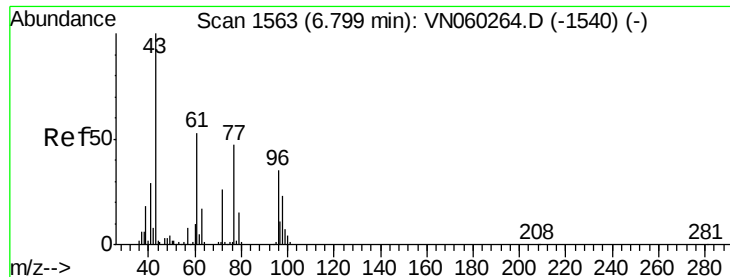
Tot Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 1.623 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060384.D
Acq: 6 Mar 2020 16:36

Tgt Ion: 84 Resp: 3635
Ion Ratio Lower Upper
84 100
49 123.9 99.3 148.9
51 44.4 30.1 45.1
86 60.0 51.1 76.7

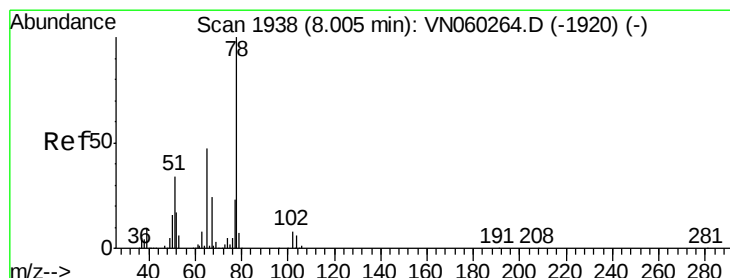
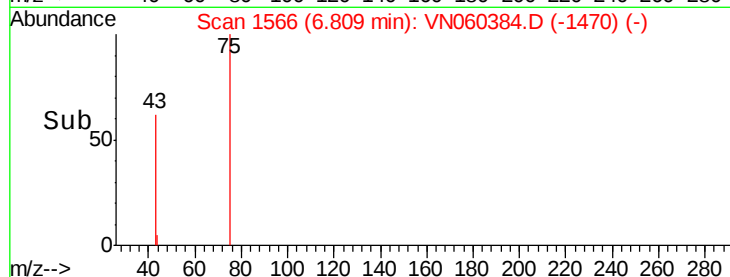
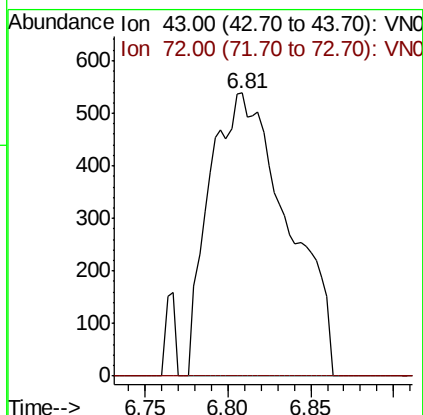
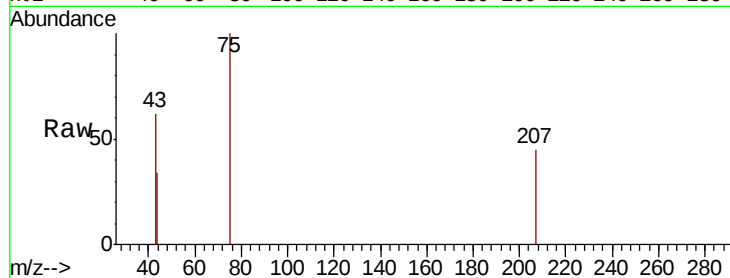




#25
 2-Butanone
 Concen: 1.344 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VN060384.D
 Acq: 6 Mar 2020 16:36

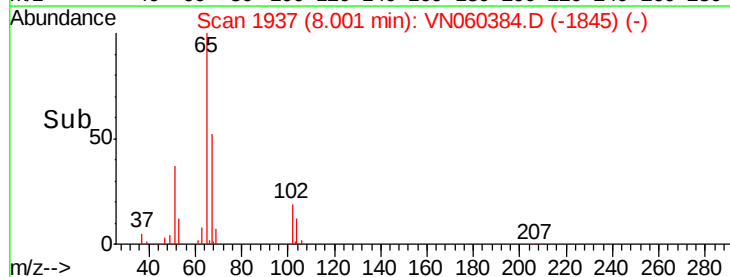
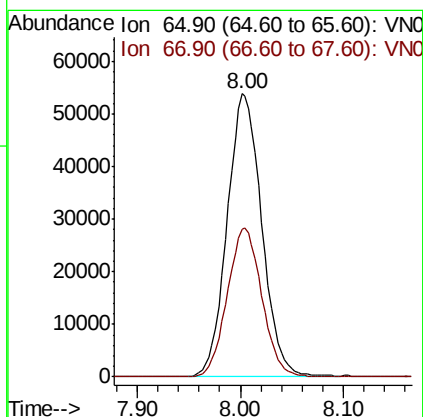
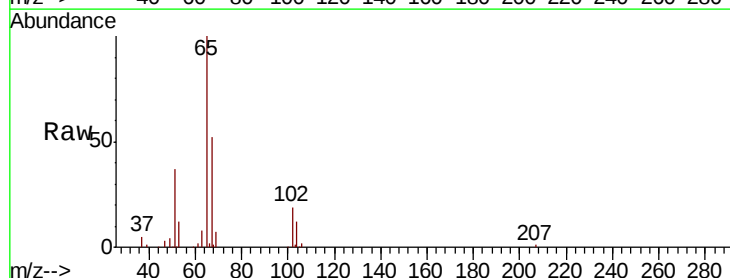
Instrument :
 MSVOA_N
 ClientSampled :

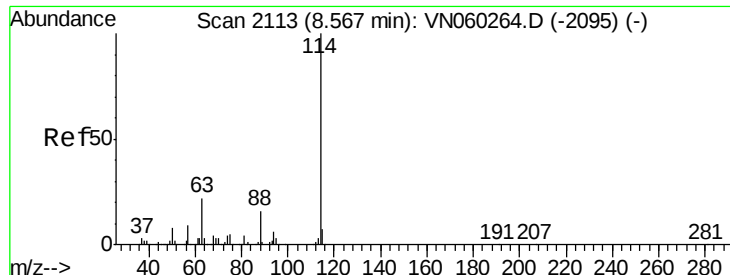
Tot Ion: 43 Resp: 1770
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 49.776 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060384.D
 Acq: 6 Mar 2020 16:36

Tgt Ion: 65 Resp: 125672
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8

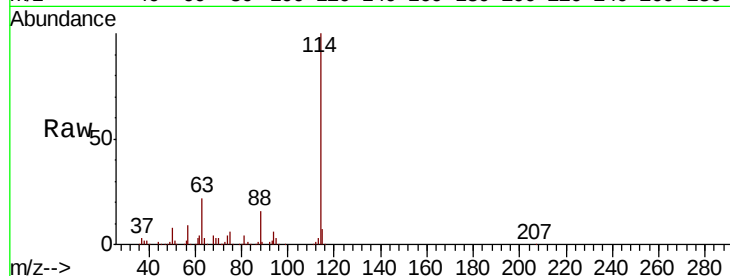




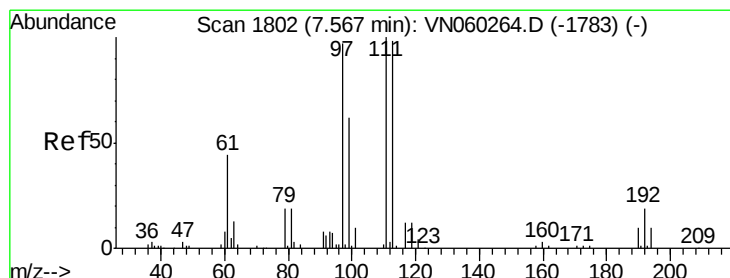
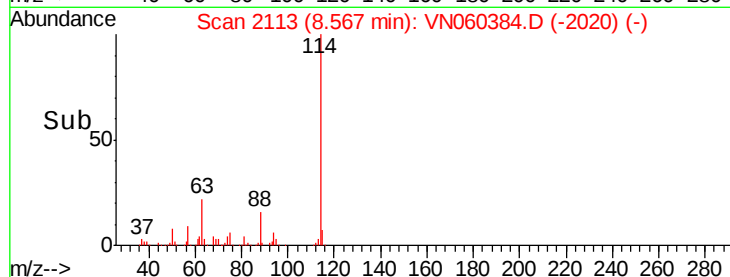
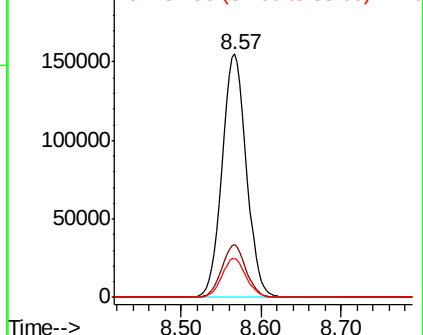
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060384.D
Acq: 6 Mar 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 323114
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.2
88 16.0 0.0 31.6

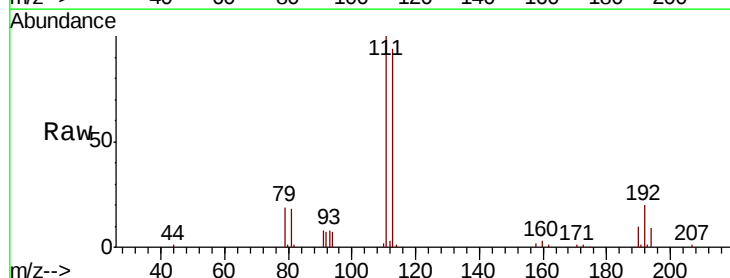


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

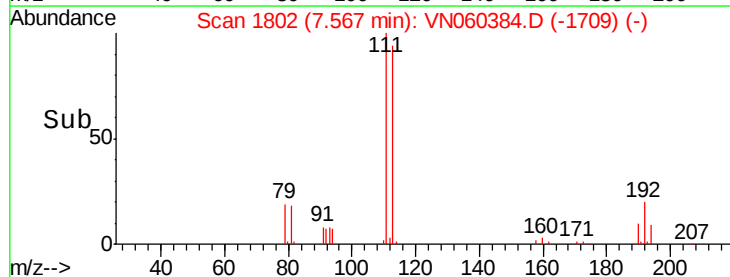
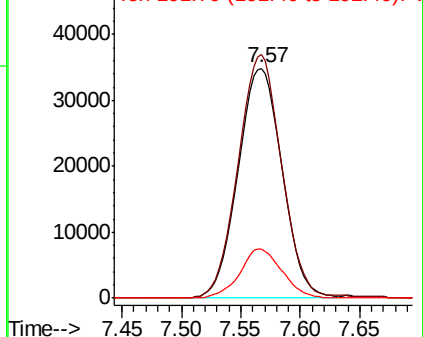


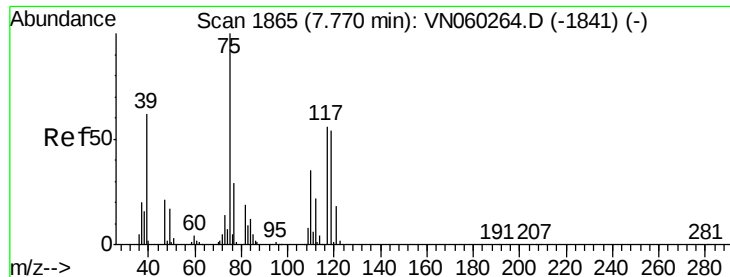
#35
Dibromofluoromethane
Concen: 59.830 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060384.D
Acq: 6 Mar 2020 16:36

Tgt Ion:113 Resp: 89732
Ion Ratio Lower Upper
113 100
111 104.0 82.4 123.6
192 20.3 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

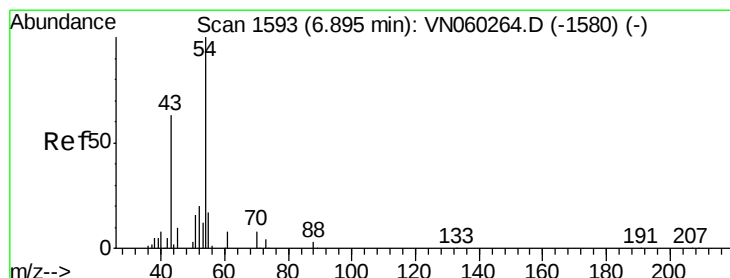
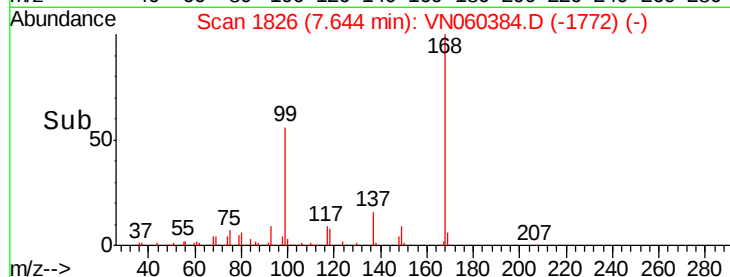
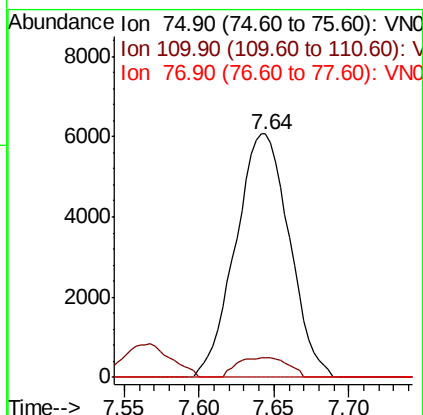
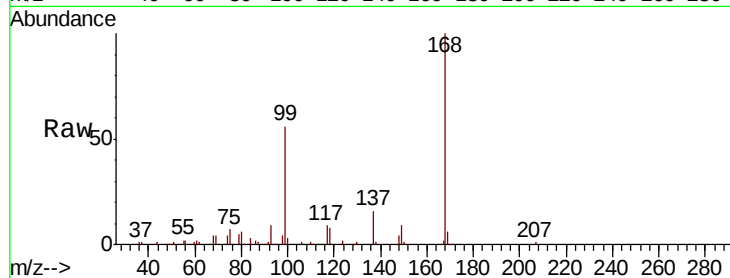




#36
 1,1-Dichloropropene
 Concen: 4.916 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060384.D
 Acq: 6 Mar 2020 16:36

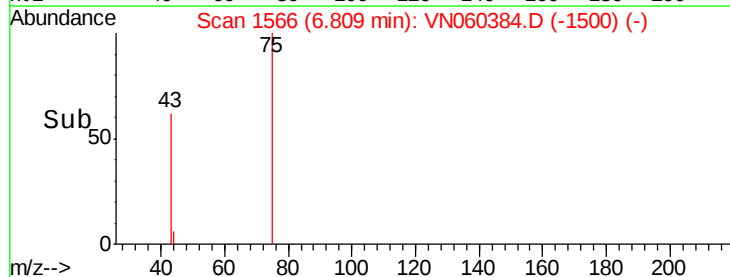
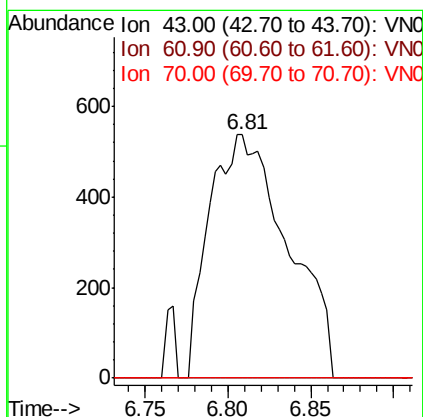
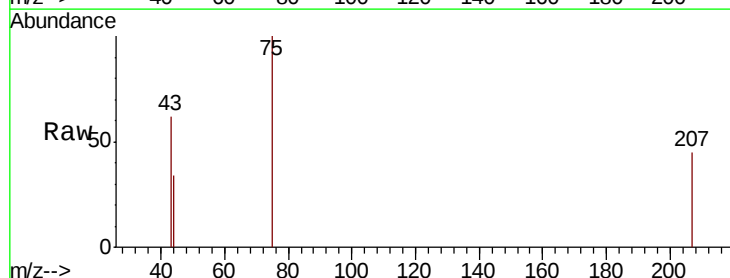
Instrument :
 MSVOA_N
 ClientSampled :

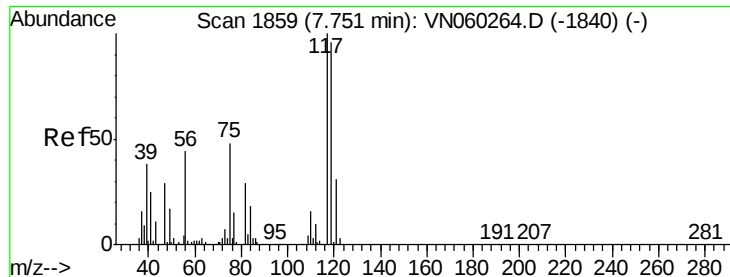
Tot Ion	75	Resp	15140
Ion Ratio	100	Lower	Upper
75	100		
110	7.7	17.3	52.0#
77	0.0	24.2	36.2#



#37
 Ethyl Acetate
 Concen: 0.607 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN060384.D
 Acq: 6 Mar 2020 16:36

Tgt Ion	43	Resp	1770
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 6.083 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

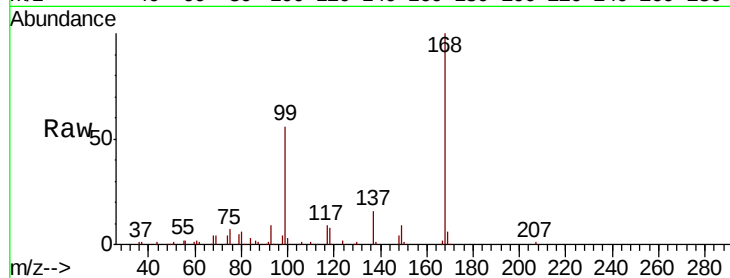
Tot Ion:117 Resp: 18237

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

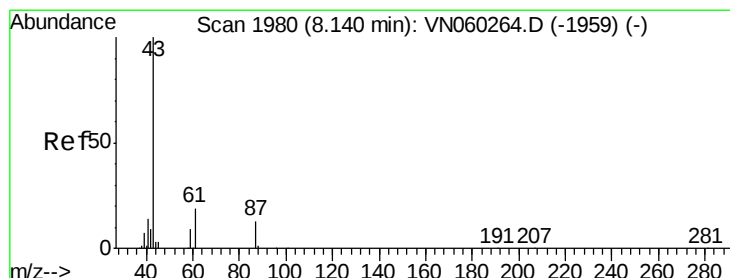
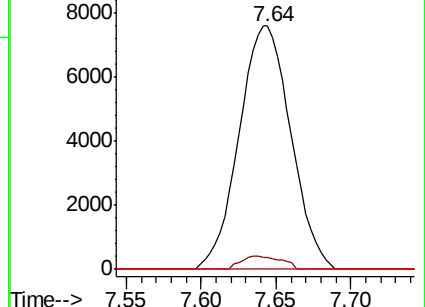
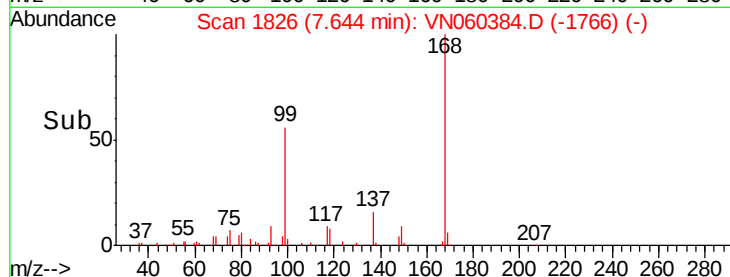
121 0.0 24.5 36.7#



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: 5.748 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

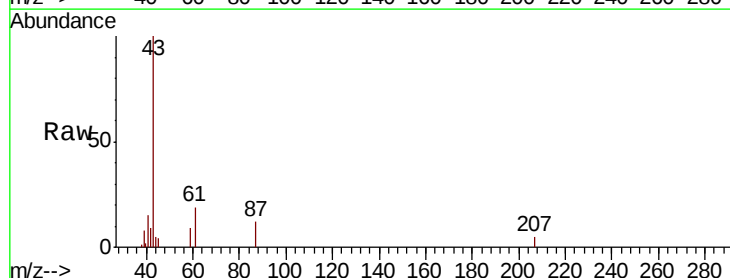
Tgt Ion: 43 Resp: 29341

Ion Ratio Lower Upper

43 100

61 19.3 20.9 31.3#

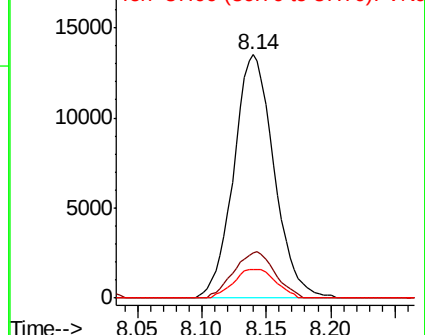
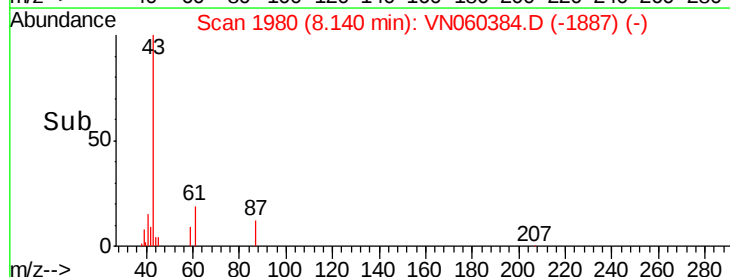
87 12.3 10.6 16.0

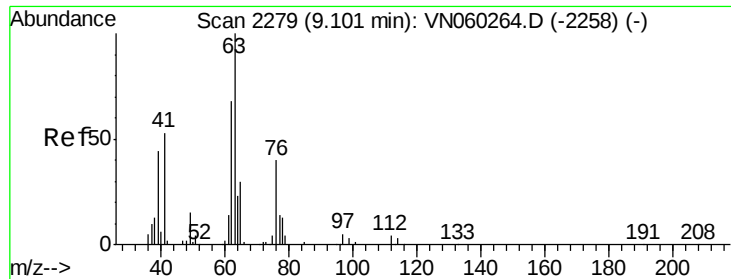


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.207 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

Instrument :

MSVOA_N

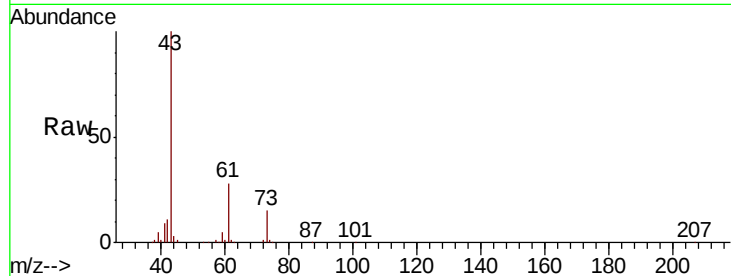
ClientSampleId :

Tot Ion: 63 Resp: 484

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

400

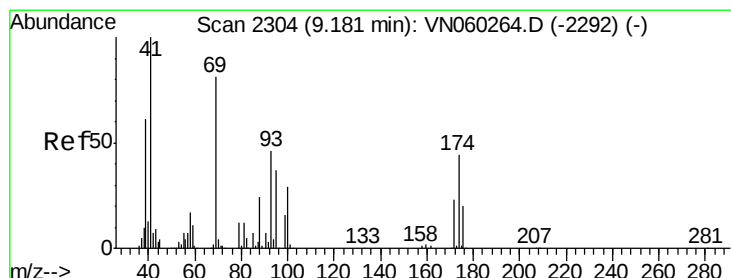
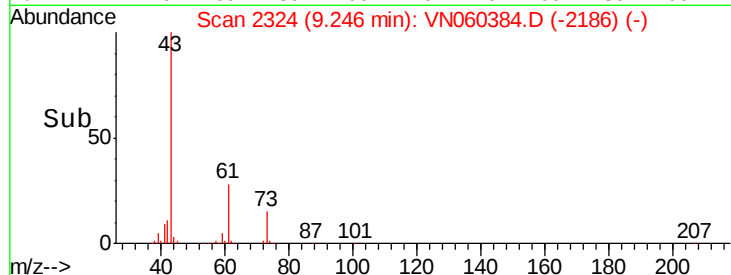
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 0.893 ug/l

RT: 9.16 min Scan# 2297

Delta R.T. -0.02 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

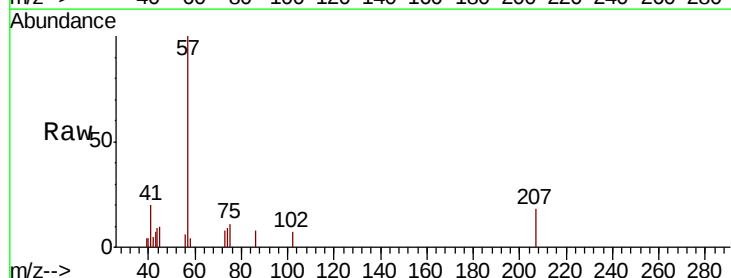
Tgt Ion: 41 Resp: 2079

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

39 0.0 50.1 75.1#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

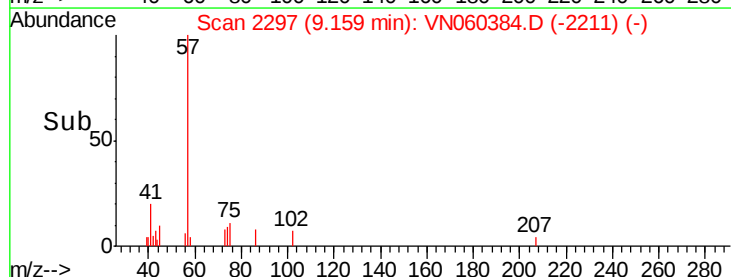
15000

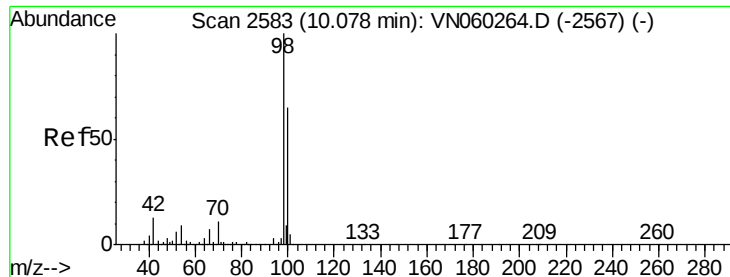
10000

5000

0

Time-->





#50

Toluene-d8

Concen: 52.389 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

Instrument :

MSVOA_N

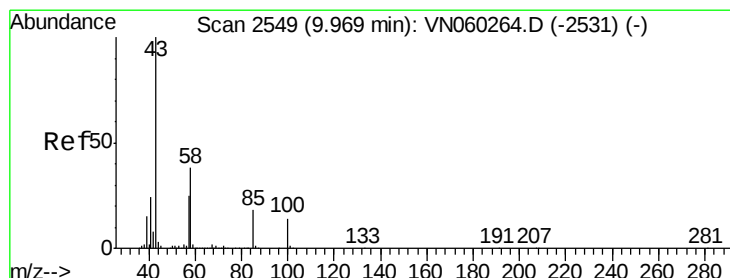
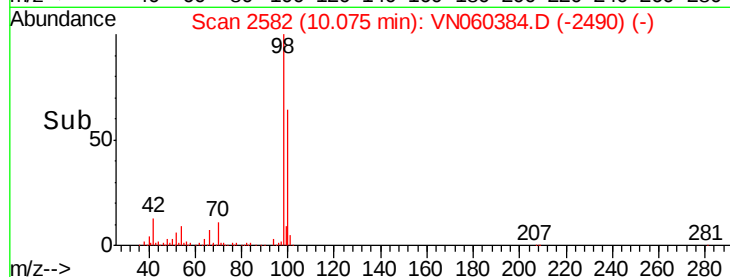
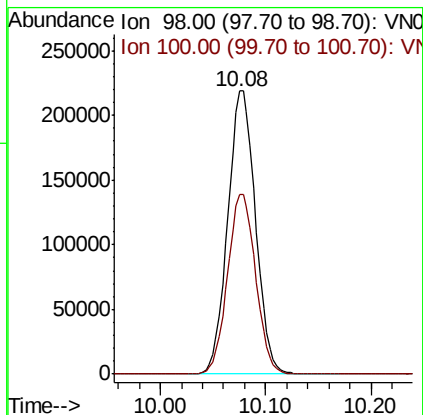
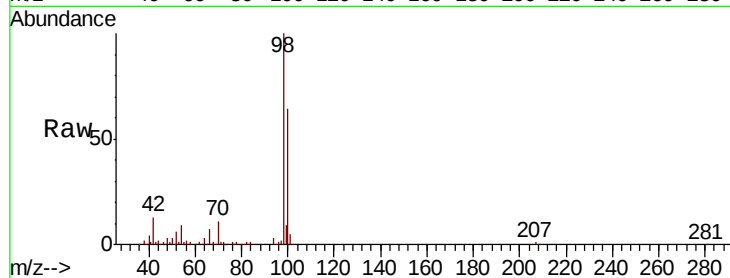
ClientSampled :

Tot Ion: 98 Resp: 397665

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.056 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060384.D

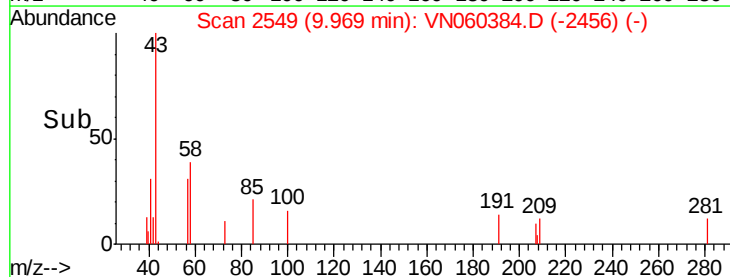
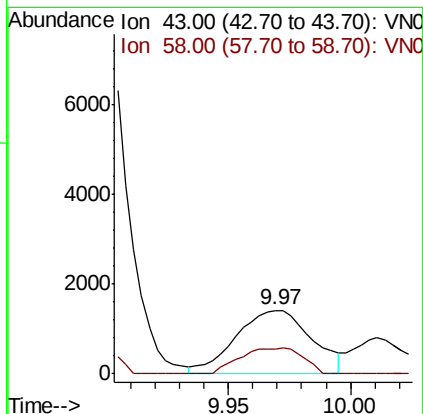
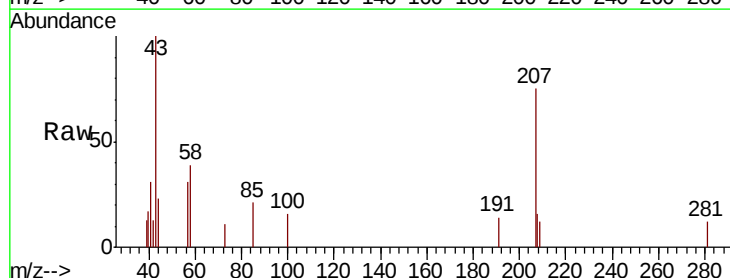
Acq: 6 Mar 2020 16:36

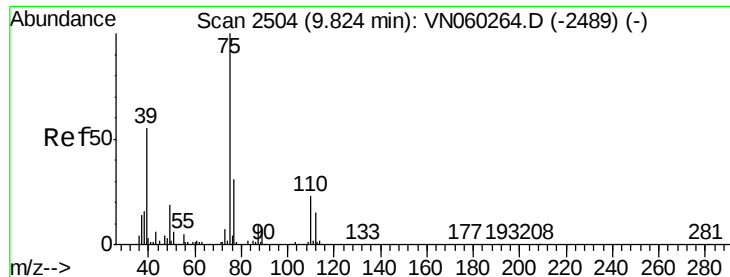
Tgt Ion: 43 Resp: 3056

Ion Ratio Lower Upper

43 100

58 33.7 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 3.338 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

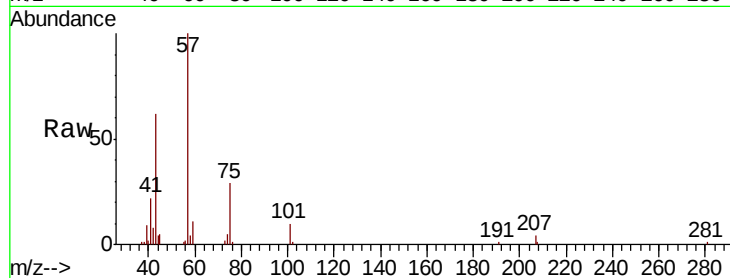
Tot Ion: 75 Resp: 13106

Ion Ratio Lower Upper

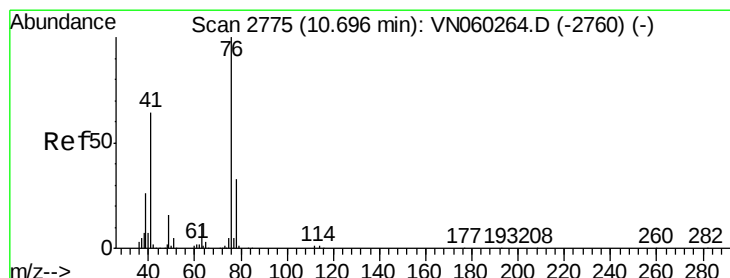
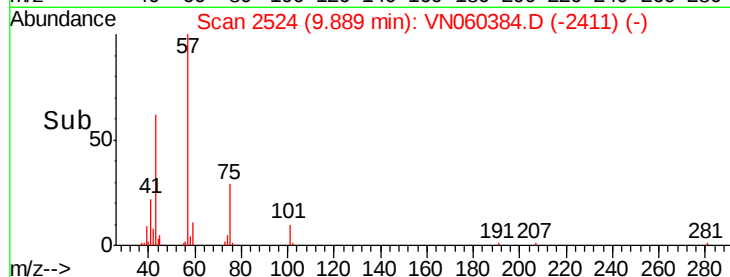
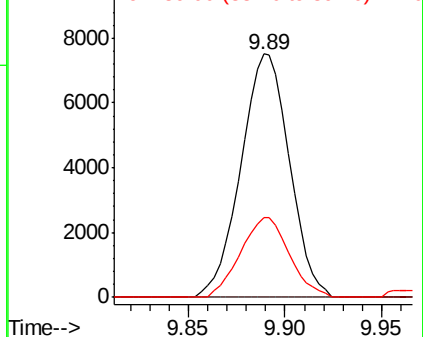
75 100

77 0.0 24.8 37.2#

39 33.0 43.8 65.8#



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



#57

1,3-Dichloropropane

Concen: 0.555 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060384.D

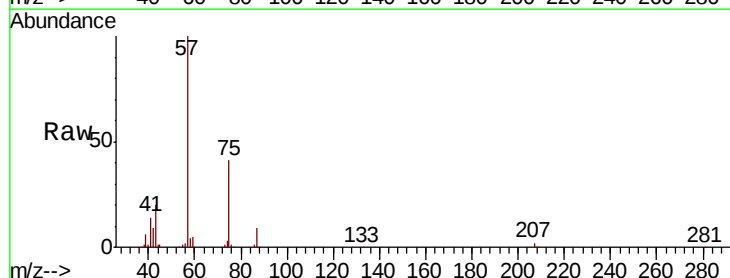
Acq: 6 Mar 2020 16:36

Tgt Ion: 76 Resp: 2050

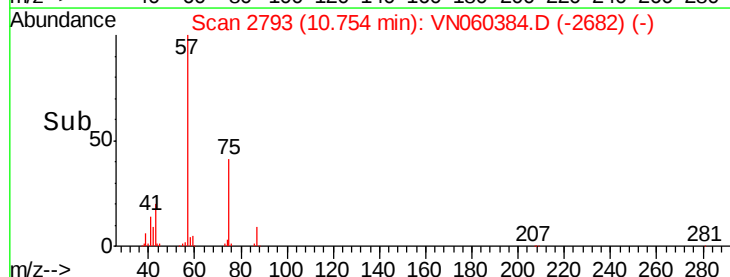
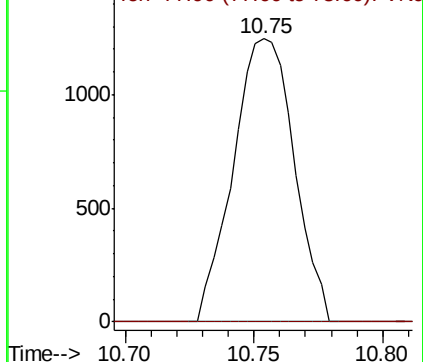
Ion Ratio Lower Upper

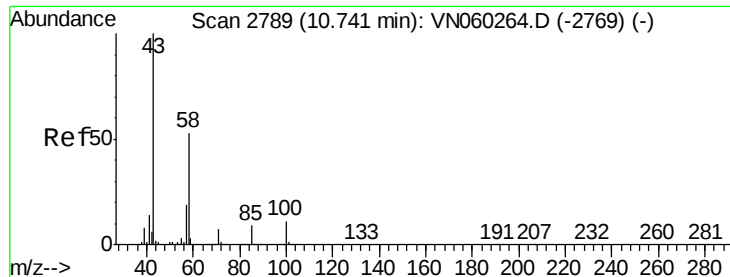
76 100

78 0.0 26.2 39.2#



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

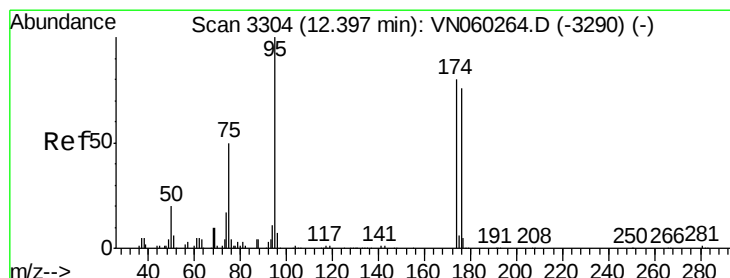
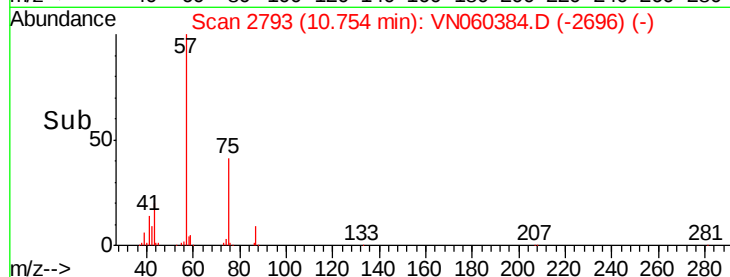
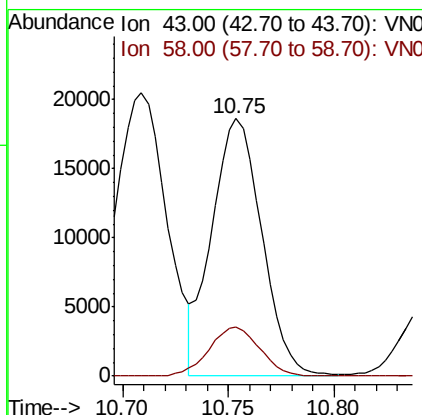
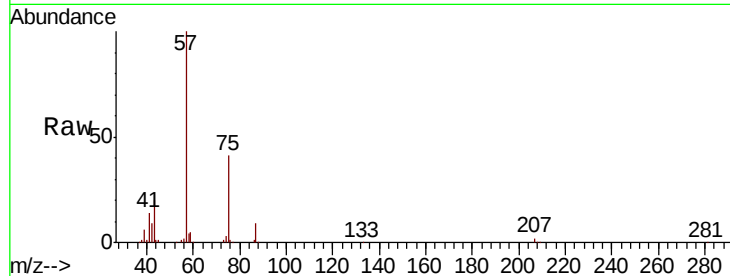




#59
2-Hexanone
Concen: 14.466 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060384.D
Acq: 6 Mar 2020 16:36

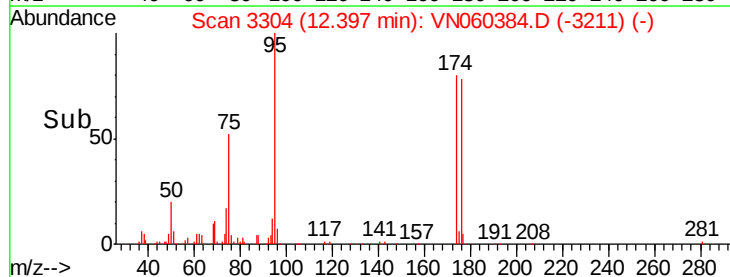
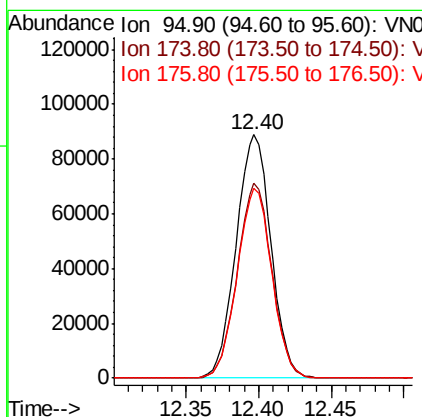
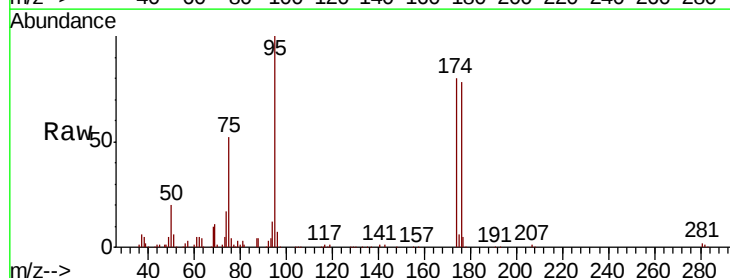
Instrument :
MSVOA_N
ClientSampleId :

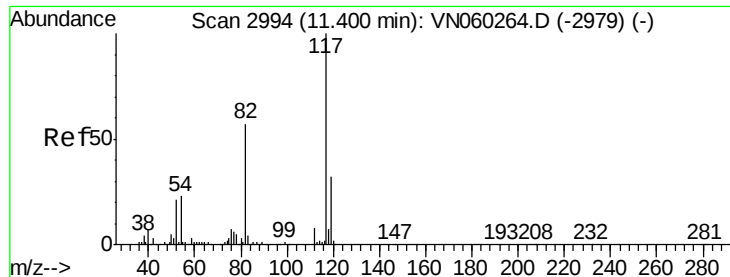
Tot Ion: 43 Resp: 30741
Ion Ratio Lower Upper
43 100
58 19.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.539 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060384.D
Acq: 6 Mar 2020 16:36

Tgt Ion: 95 Resp: 148299
Ion Ratio Lower Upper
95 100
174 79.3 0.0 159.2
176 77.6 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

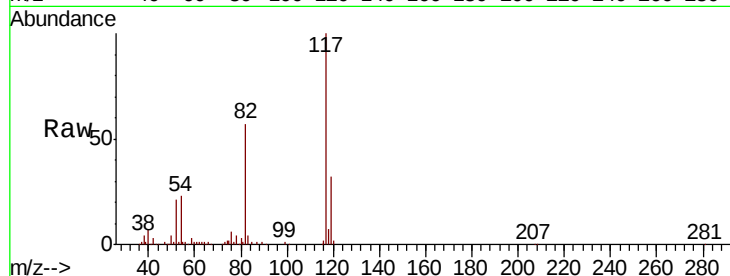
Tot Ion:117 Resp: 302400

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.6

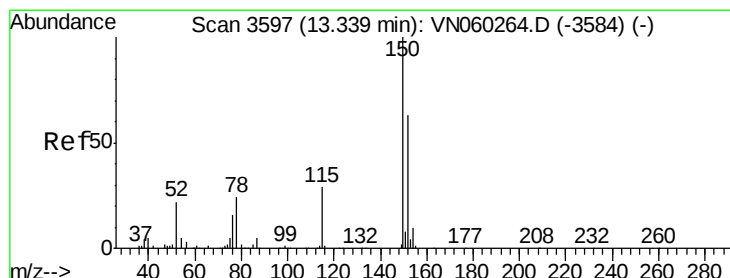
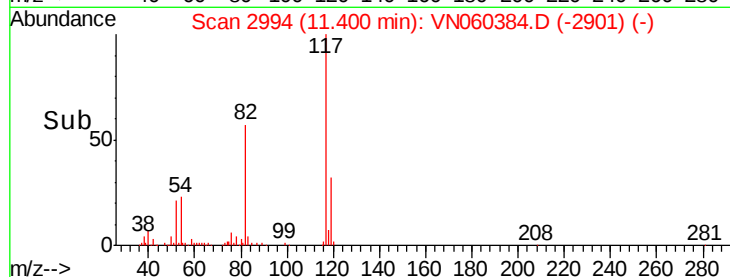
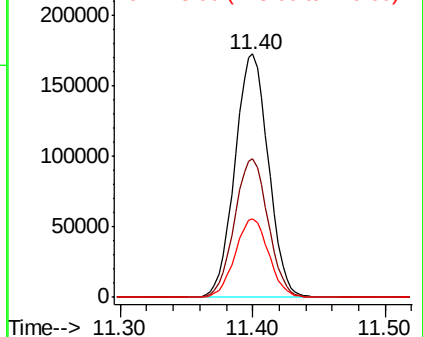
119 32.2 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

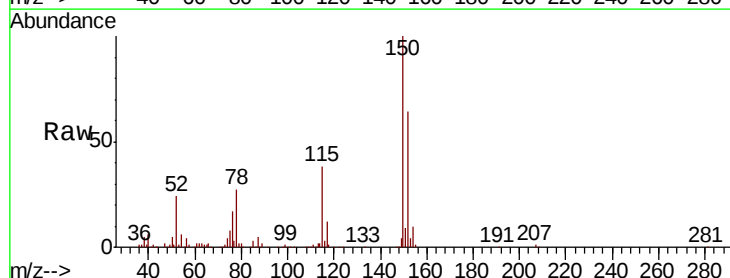
Tgt Ion:152 Resp: 141075

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

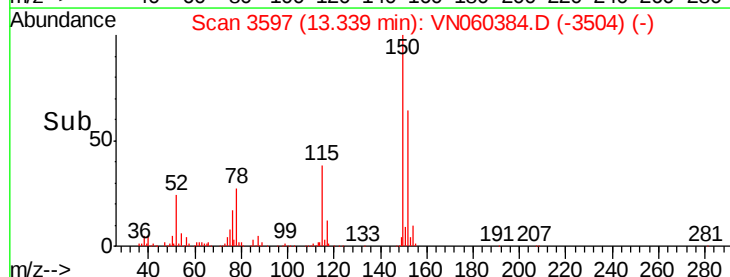
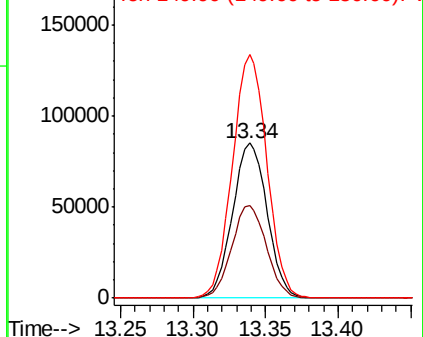
150 156.7 0.0 349.6

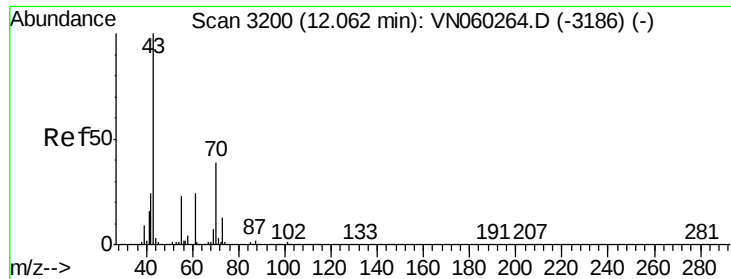


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.539 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2463

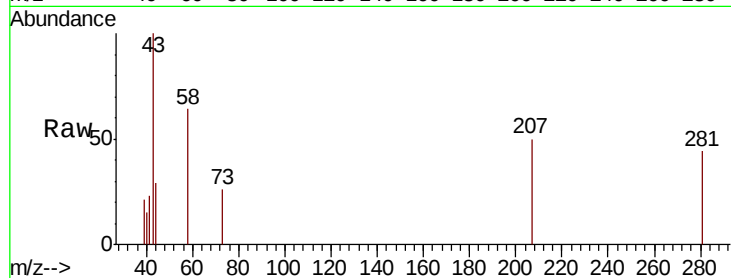
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

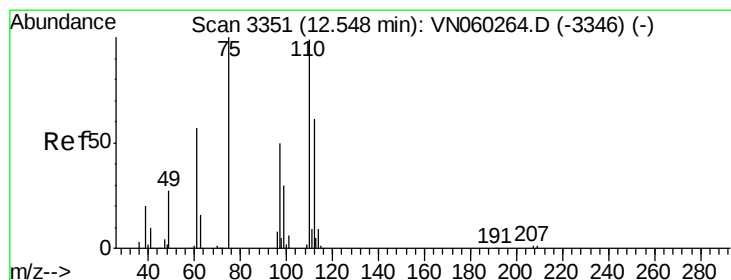
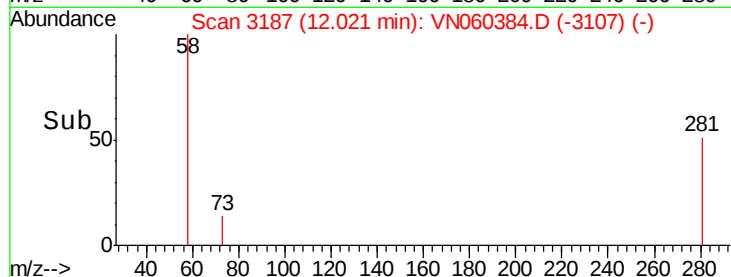
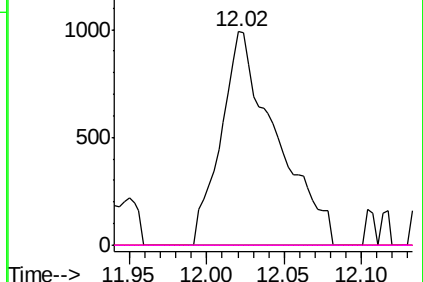


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-3186) (-)

Ion 70.00 (69.70 to 70.70): VN060264.D (-3186) (-)

Ion 55.00 (54.70 to 55.70): VN060264.D (-3186) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-3186) (-)



#76

1,2,3-Trichloropropane

Concen: 24.960 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060384.D

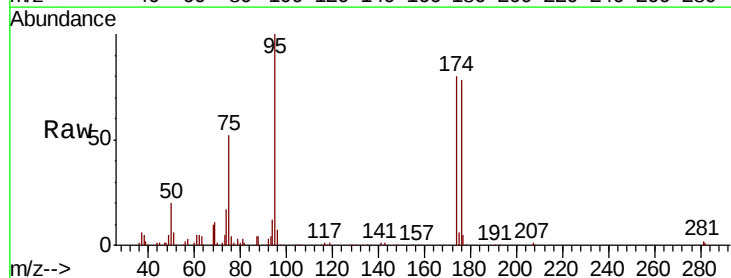
Acq: 6 Mar 2020 16:36

Tgt Ion: 75 Resp: 77255

Ion Ratio Lower Upper

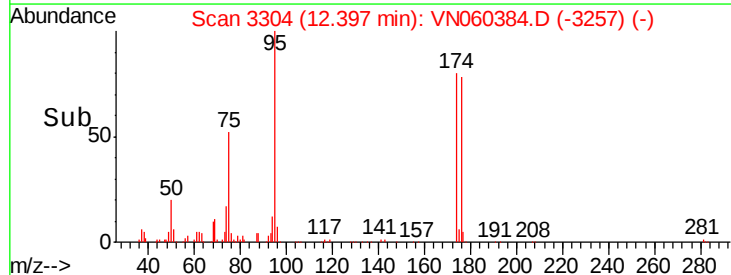
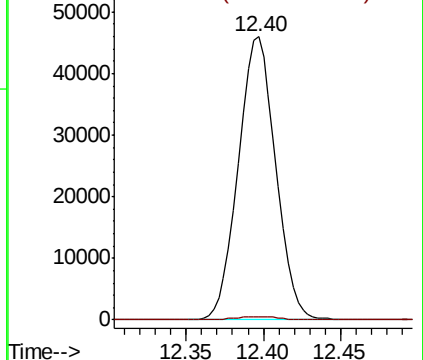
75 100

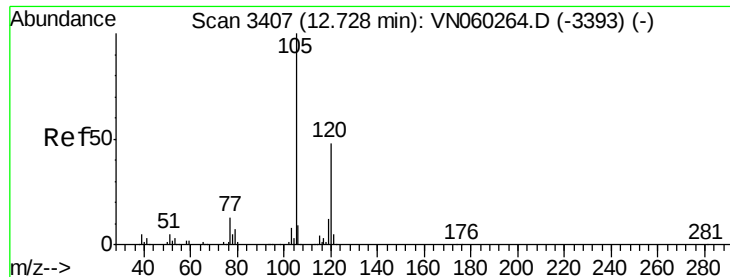
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060264.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060264.D (-3346) (-)





#80

1,3,5-Trimethylbenzene

Concen: 0.273 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

Instrument :

MSVOA_N

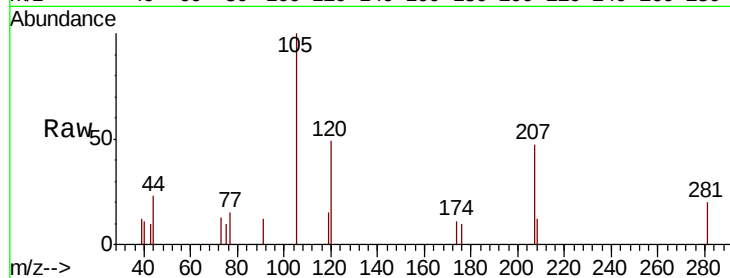
ClientSampleId :

Tot Ion:105 Resp: 2403

Ion Ratio Lower Upper

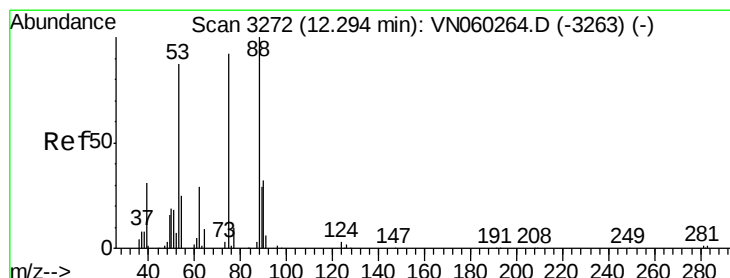
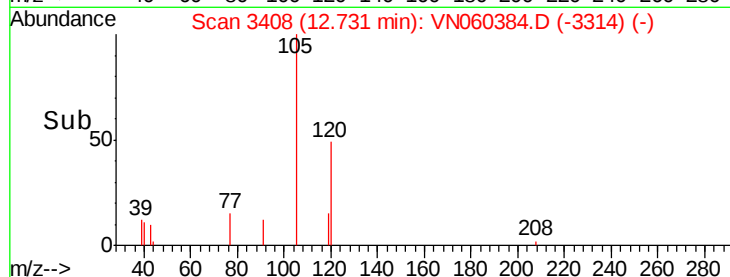
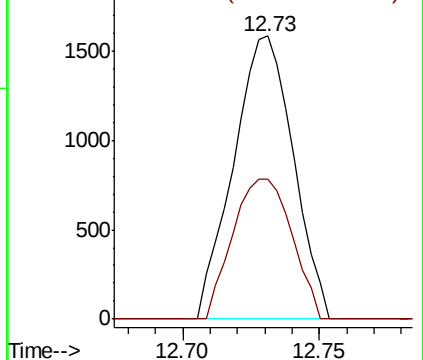
105 100

120 49.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 68.900 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060384.D

Acq: 6 Mar 2020 16:36

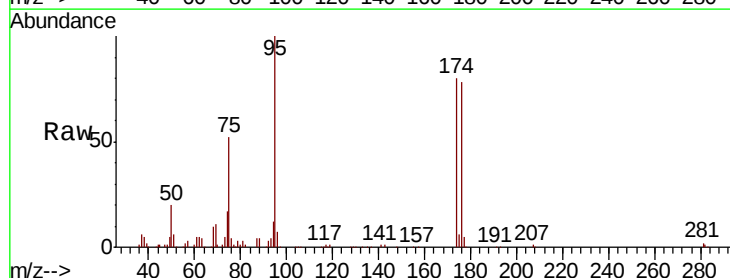
Tgt Ion: 75 Resp: 77255

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

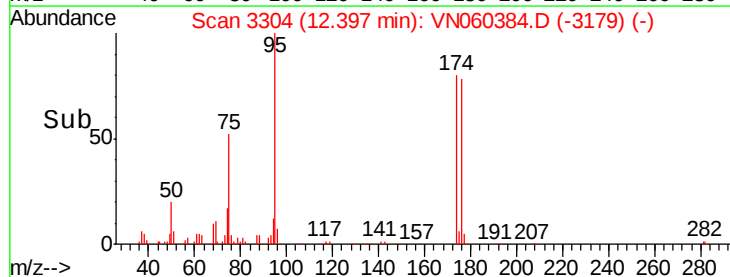
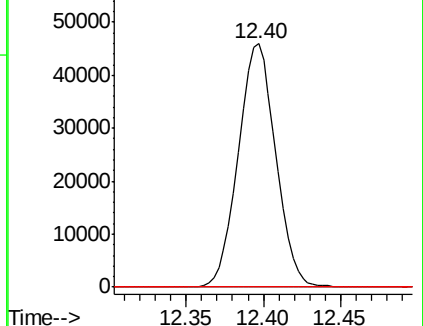
89 0.0 57.1 85.7#

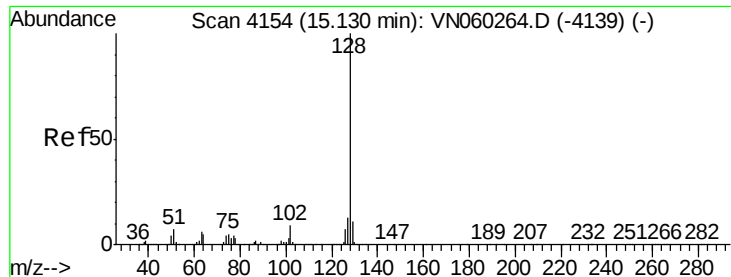


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060384.D
Acq: 6 Mar 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

