

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060755.D
 Acq On : 27 Mar 2020 20:39
 Operator : JC/MD
 Sample : L2040-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RO-346

Quant Time: Mar 28 02:03:52 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	199477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145153	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	128012	46.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.50%	
35) Dibromofluoromethane	7.56	113	99220	49.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.28%	
50) Toluene-d8	10.08	98	411651	50.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.40	95	154074	51.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.98%	

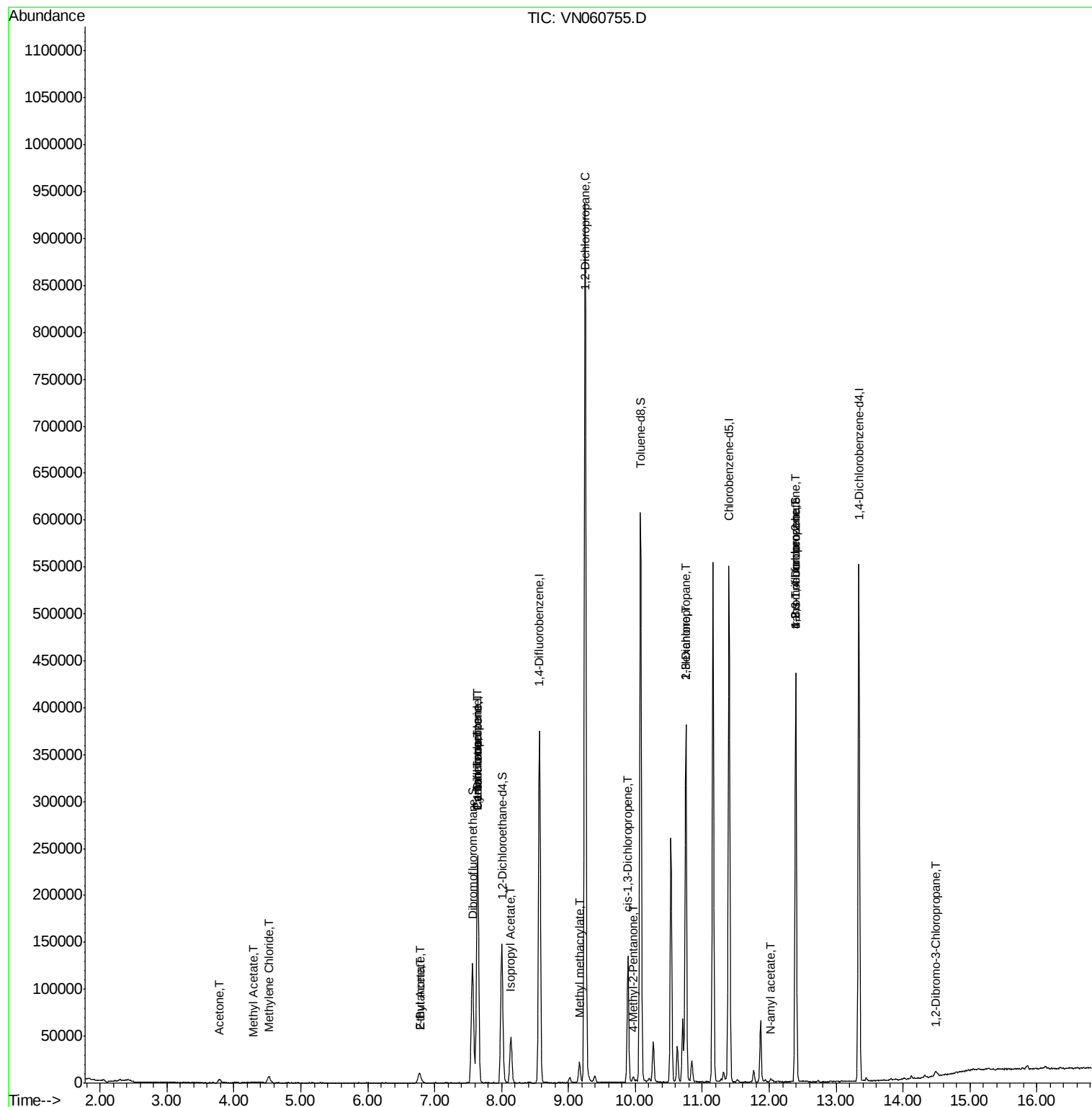
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	6682	6.889	ug/l	92
18) Methyl Acetate	4.28	43	1867	0.684	ug/l #	57
20) Methylene Chloride	4.53	84	5102	2.138	ug/l	97
25) 2-Butanone	6.79	43	2426	1.546	ug/l #	50
31) Cyclohexane	7.64	56	4293	0.973	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15545	4.856	ug/l #	50
37) Ethyl Acetate	6.79	43	2426	0.701	ug/l #	73
38) Carbon Tetrachloride	7.64	117	19533	6.809	ug/l #	16
43) Isopropyl Acetate	8.14	43	58184	10.200	ug/l #	91
45) 1,2-Dichloropropane	9.26	63	1090	0.427	ug/l #	43
48) Methyl methacrylate	9.16	41	3073	1.210	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4168	1.284	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	23578	5.841	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	3697	0.949	ug/l #	42
59) 2-Hexanone	10.75	43	56949	24.356	ug/l #	52
74) N-amyl acetate	12.02	43	3264	0.648	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	77791	24.837	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77791	63.788	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.50	75	547	0.528	ug/l #	9

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060755.D

Acq: 27 Mar 2020 20:39

Instrument :

MSVOA_N

ClientSampled :

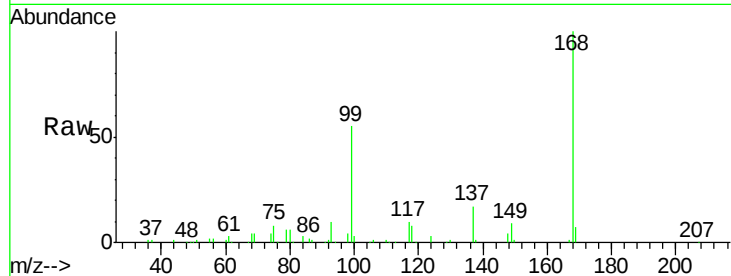
RO-346

Tgt Ion:168 Resp: 199477

Ion Ratio Lower Upper

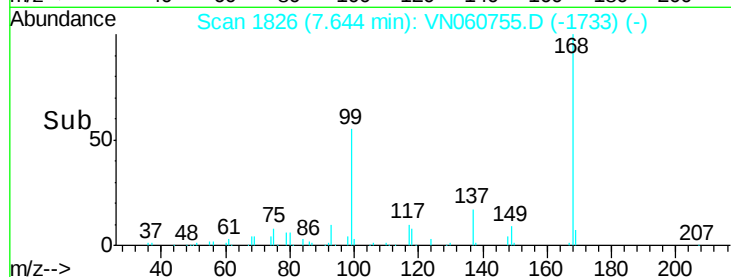
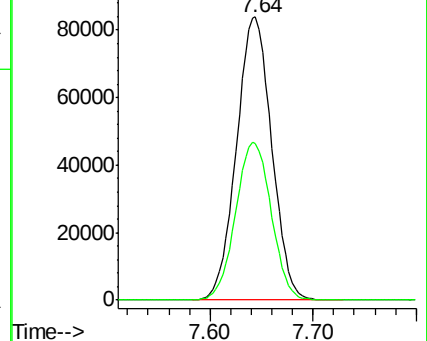
168 100

99 55.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.889 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060755.D

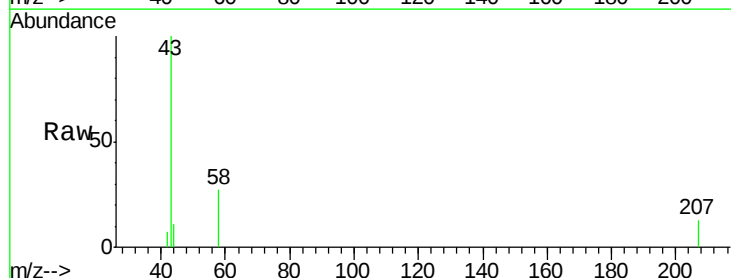
Acq: 27 Mar 2020 20:39

Tgt Ion: 43 Resp: 6682

Ion Ratio Lower Upper

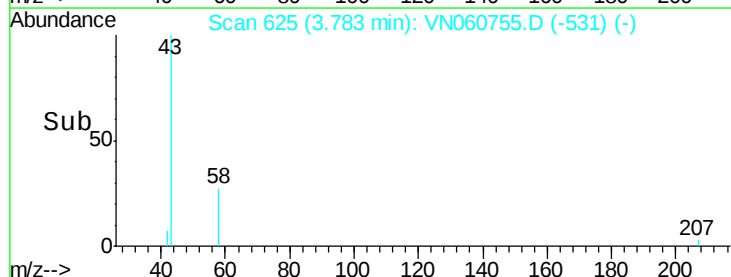
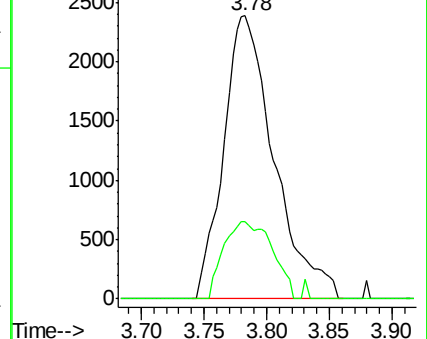
43 100

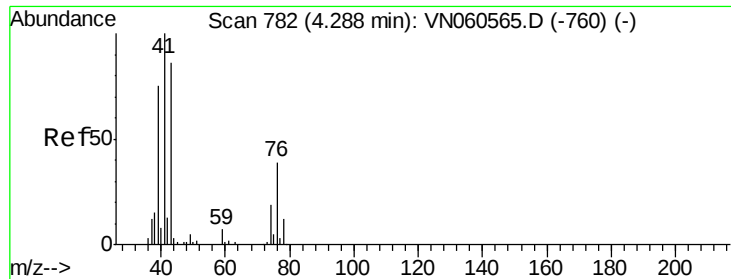
58 27.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

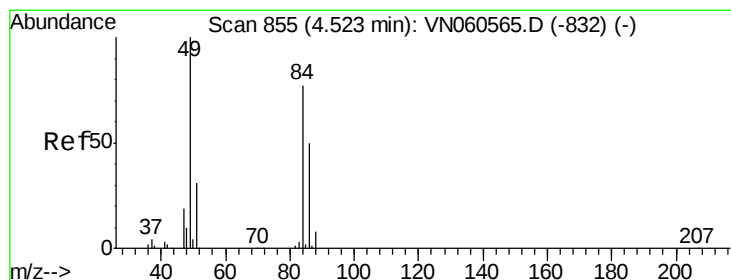
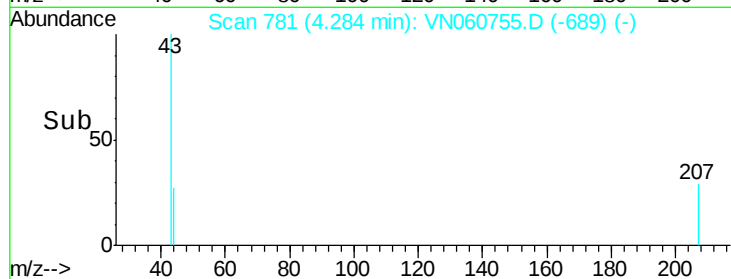
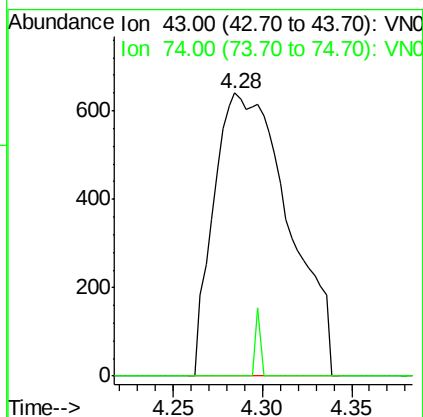
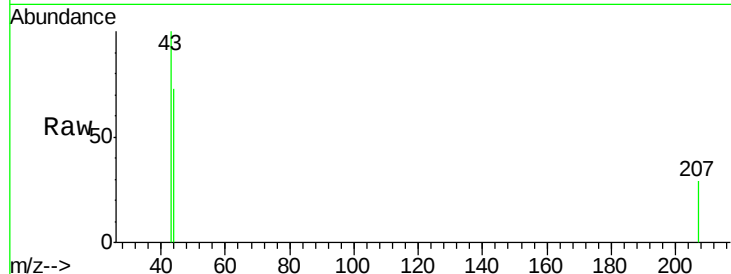




#18
Methyl Acetate
Concen: 0.684 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060755.D
Acq: 27 Mar 2020 20:39

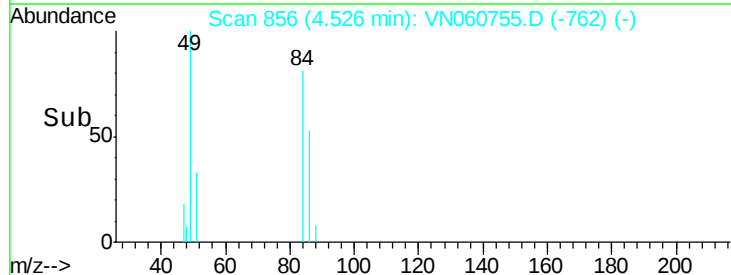
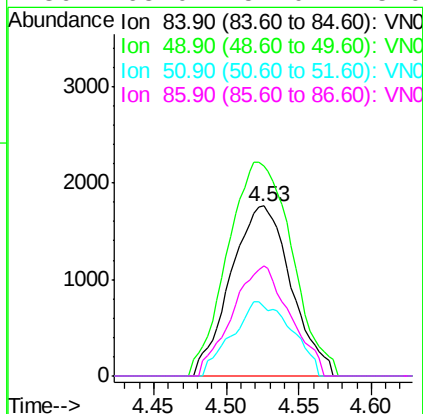
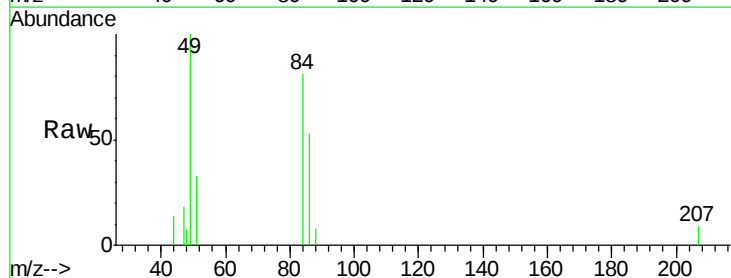
Instrument :
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RO-346

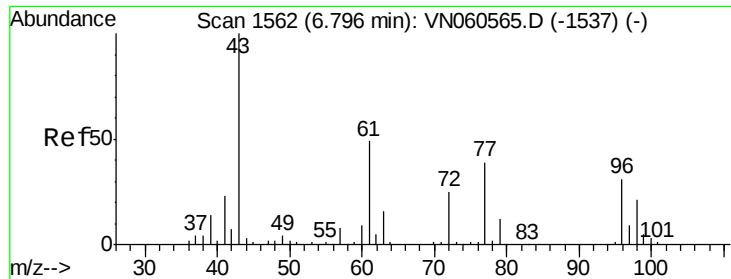
Tgt Ion: 43 Resp: 1867
Ion Ratio Lower Upper
43 100
74 1.6 17.5 26.3#



#20
Methylene Chloride
Concen: 2.138 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060755.D
Acq: 27 Mar 2020 20:39

Tgt Ion: 84 Resp: 5102
Ion Ratio Lower Upper
84 100
49 123.7 103.3 154.9
51 40.8 31.6 47.4
86 65.0 52.0 78.0

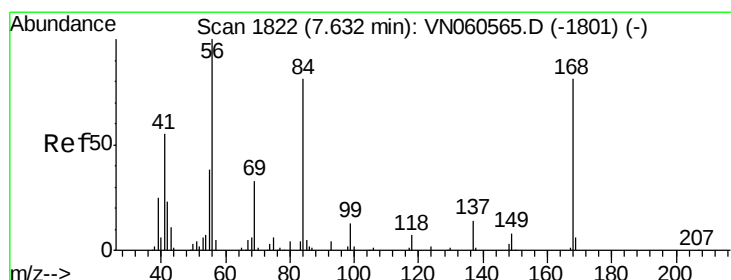
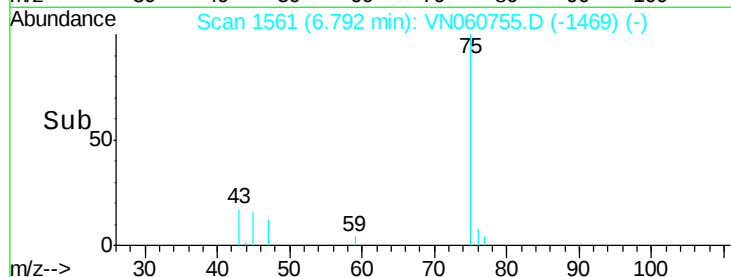
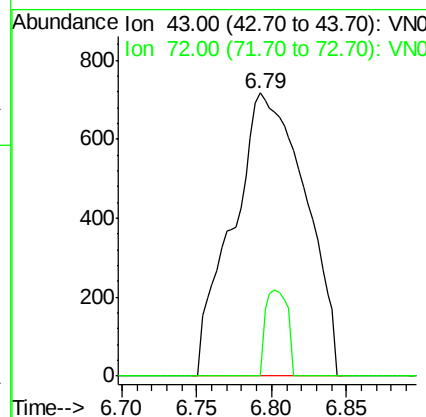
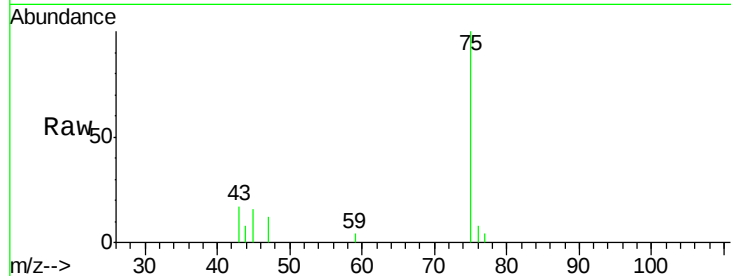




#25
2-Butanone
Concen: 1.546 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060755.D
Acq: 27 Mar 2020 20:39

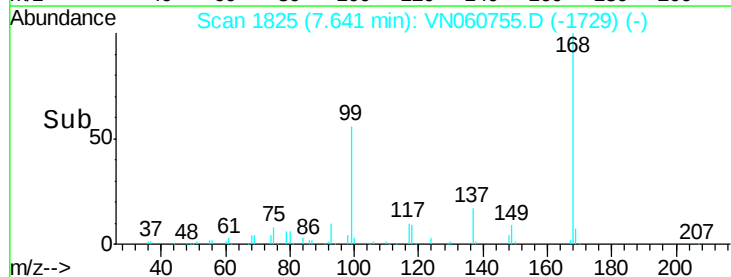
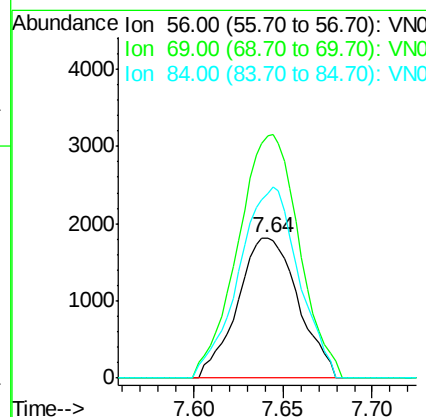
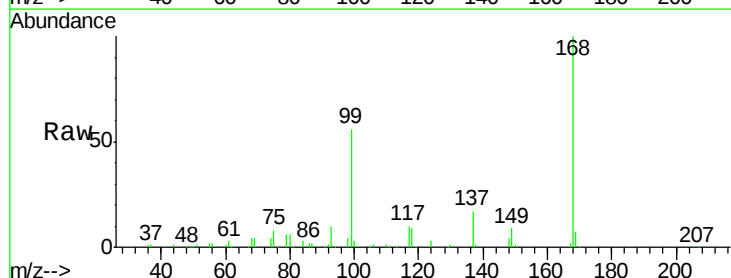
Instrument :
MSVOA_N
ClientSampleId :
RO-346

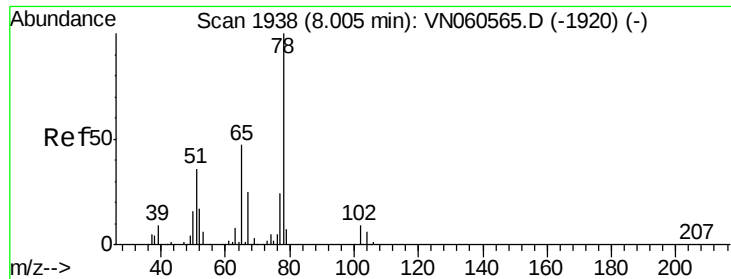
Tgt Ion: 43 Resp: 2426
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.973 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060755.D
Acq: 27 Mar 2020 20:39

Tgt Ion: 56 Resp: 4293
Ion Ratio Lower Upper
56 100
69 173.1 26.6 40.0#
84 132.0 64.3 96.5#

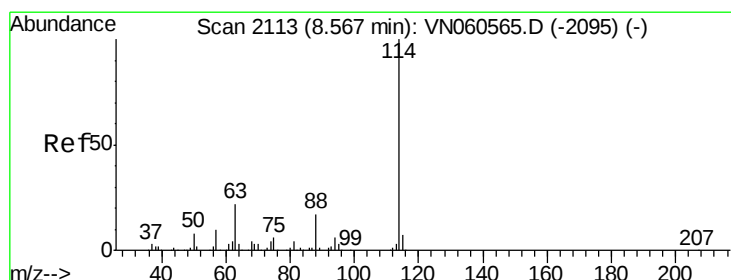
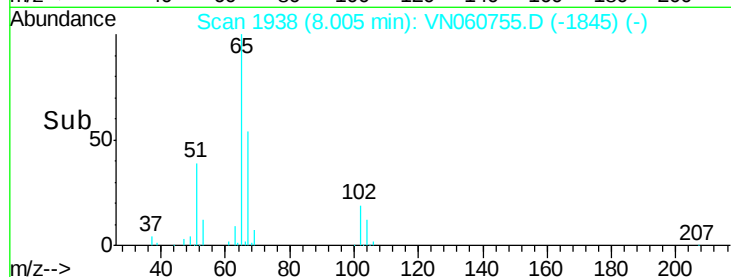
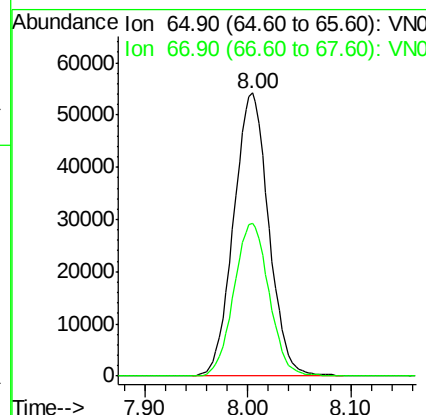
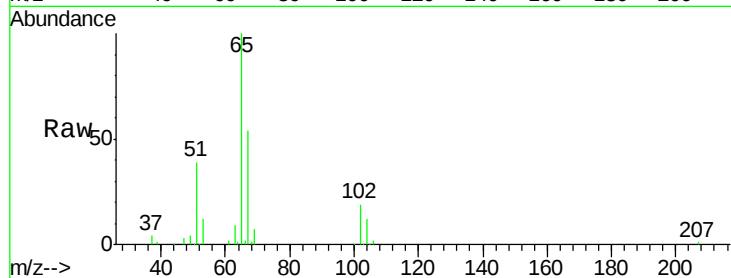




#33
 1,2-Dichloroethane-d4
 Concen: 46.748 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060755.D
 Acq: 27 Mar 2020 20:39

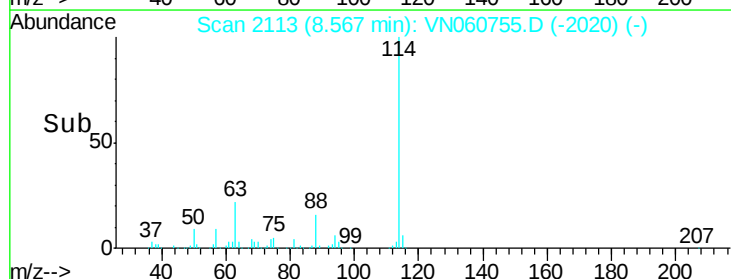
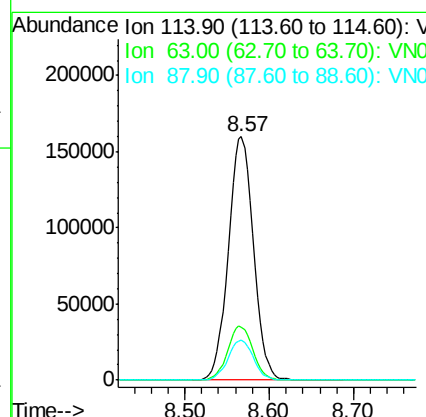
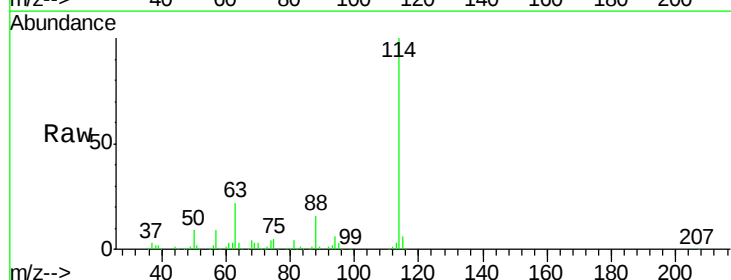
Instrument :
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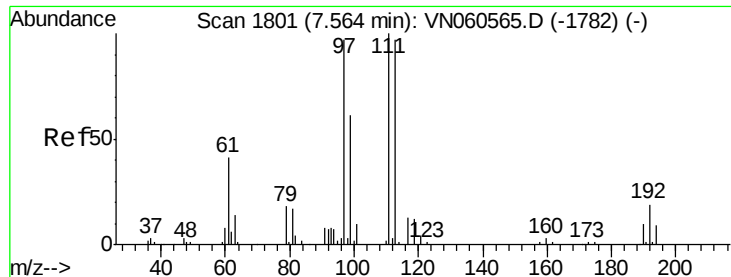
Tgt Ion: 65 Resp: 128012
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060755.D
 Acq: 27 Mar 2020 20:39

Tgt Ion: 114 Resp: 330572
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.2 0.0 33.0

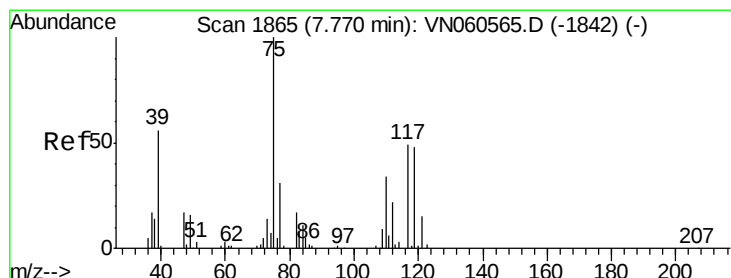
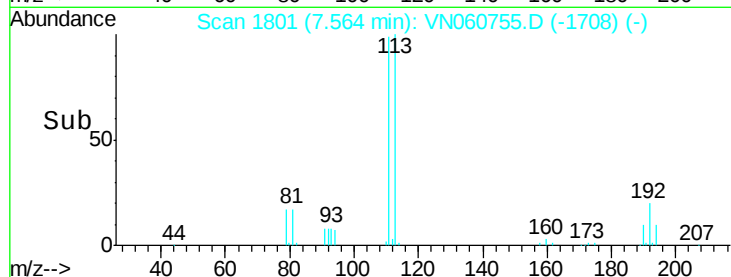
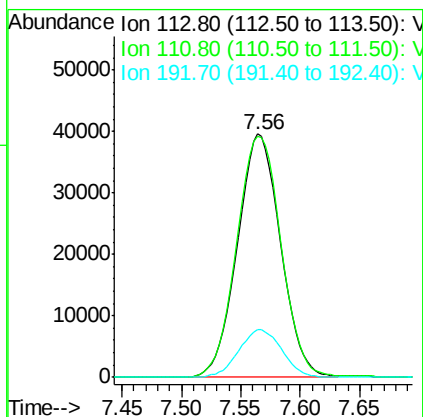
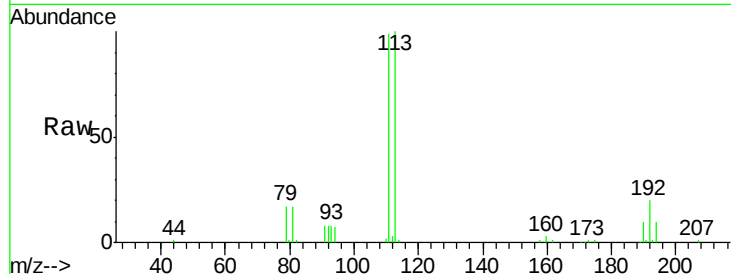




#35
 Dibromofluoromethane
 Concen: 49.638 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060755.D
 Acq: 27 Mar 2020 20:39

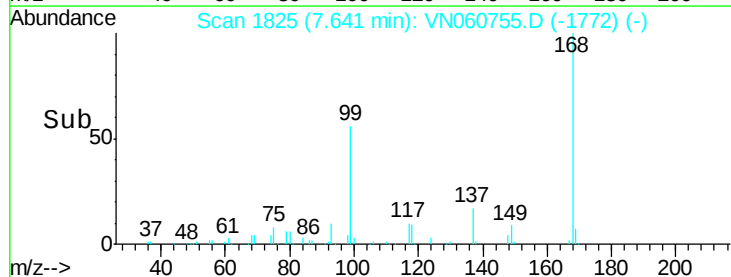
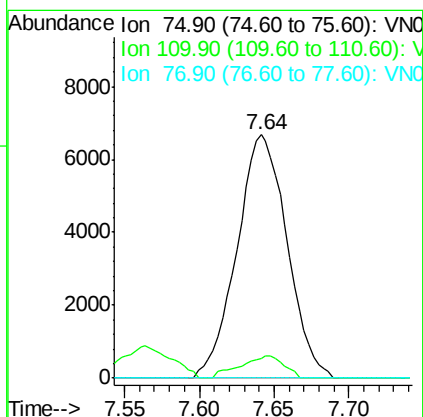
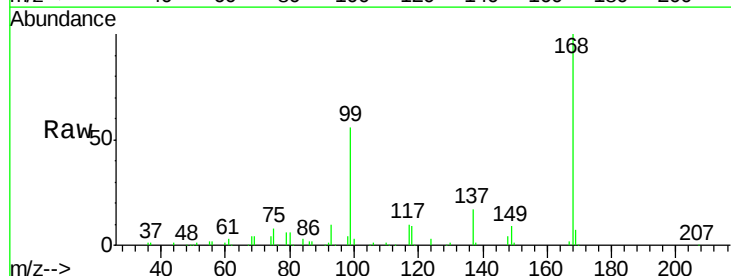
Instrument :
 MSVOA_N
 ClientSampled :
 RO-346

Tgt Ion:113 Resp: 99220
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.9 124.3
 192 19.7 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.856 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060755.D
 Acq: 27 Mar 2020 20:39

Tgt Ion: 75 Resp: 15545
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.9 50.6#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.701 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.10 min

Lab File: VN060755.D

Acq: 27 Mar 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

RO-346

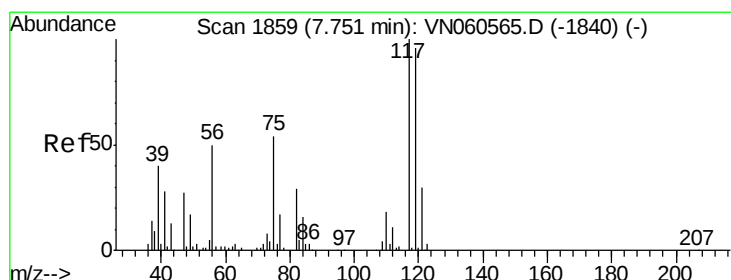
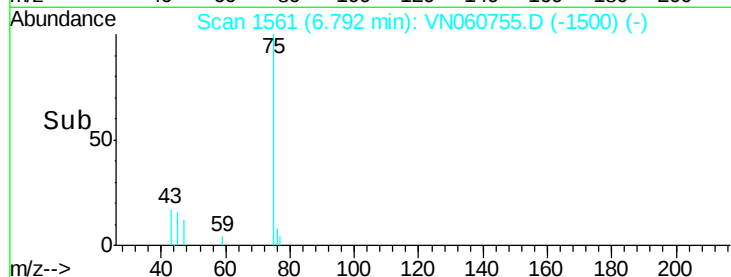
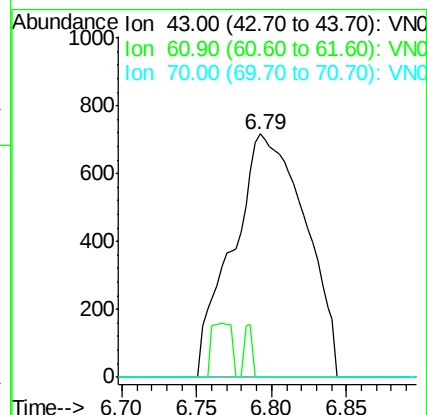
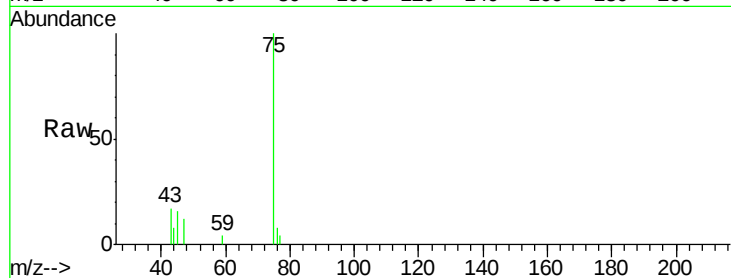
Tgt Ion: 43 Resp: 2426

Ion Ratio Lower Upper

43 100

61 2.5 10.6 15.8#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.809 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060755.D

Acq: 27 Mar 2020 20:39

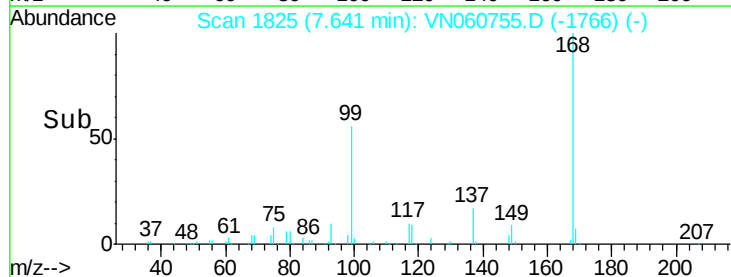
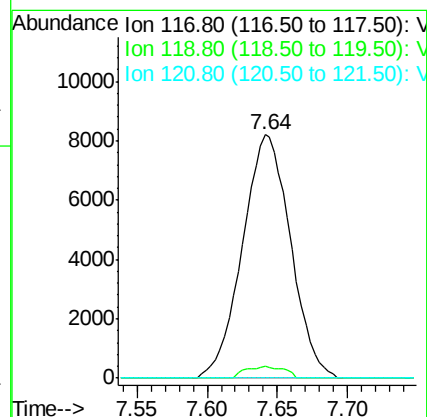
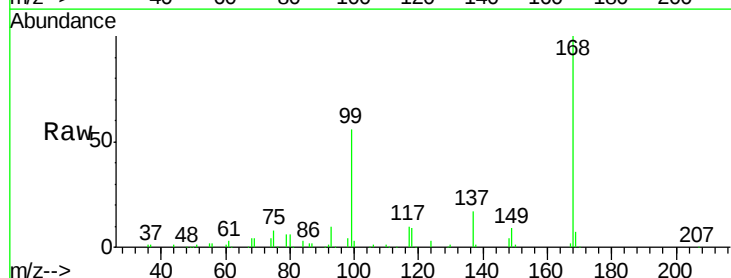
Tgt Ion: 117 Resp: 19533

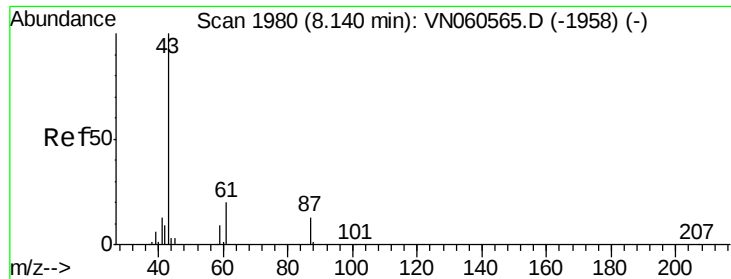
Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

121 0.0 23.7 35.5#

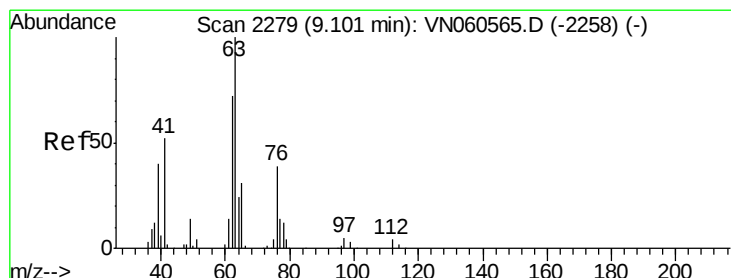
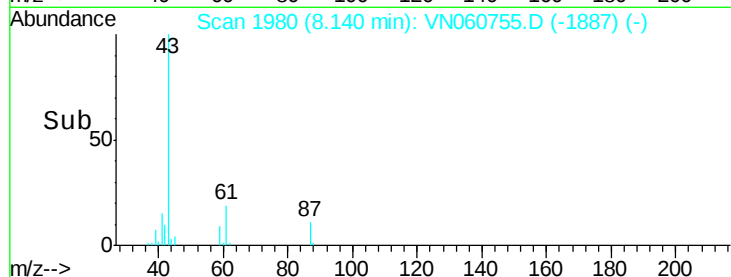
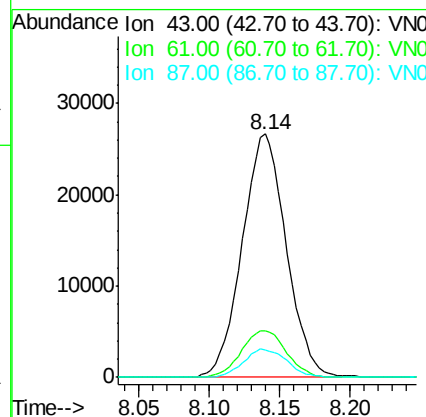
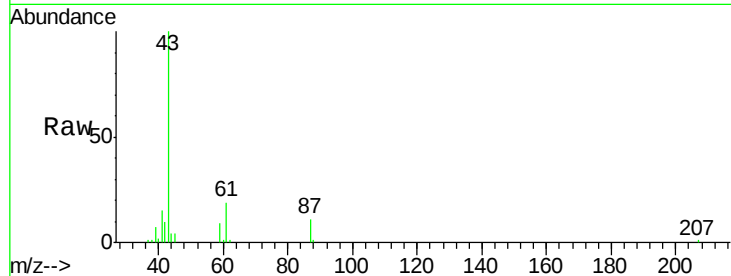




#43
Isopropyl Acetate
Concen: 10.200 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060755.D
Acq: 27 Mar 2020 20:39

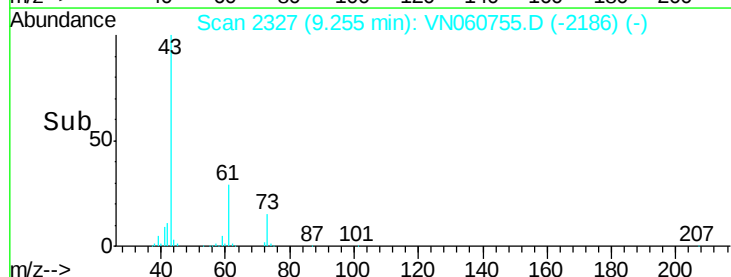
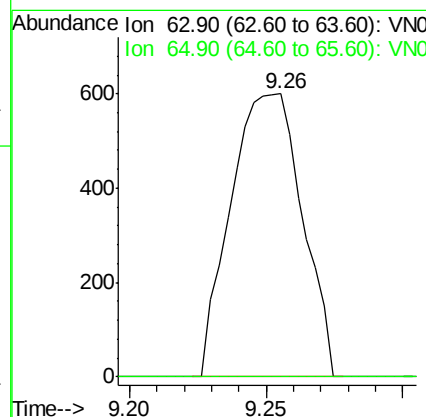
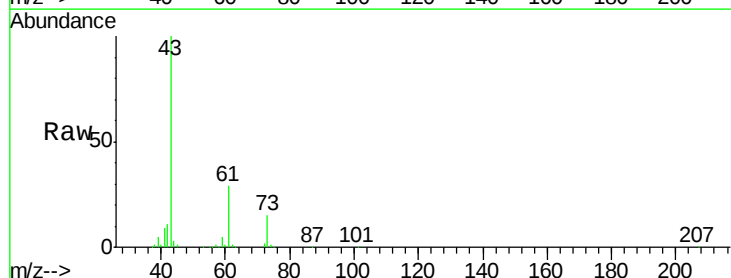
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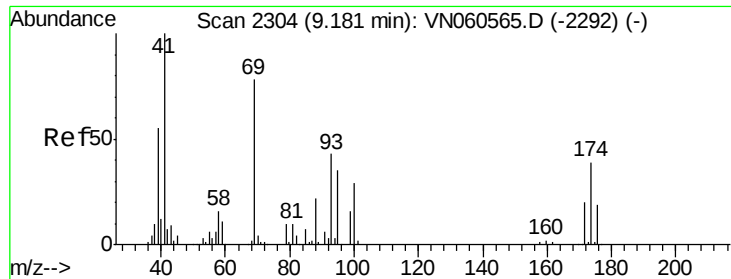
Tgt Ion: 43 Resp: 58184
Ion Ratio Lower Upper
43 100
61 19.5 20.7 31.1#
87 11.5 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.427 ug/l
RT: 9.26 min Scan# 2327
Delta R.T. 0.15 min
Lab File: VN060755.D
Acq: 27 Mar 2020 20:39

Tgt Ion: 63 Resp: 1090
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.0#

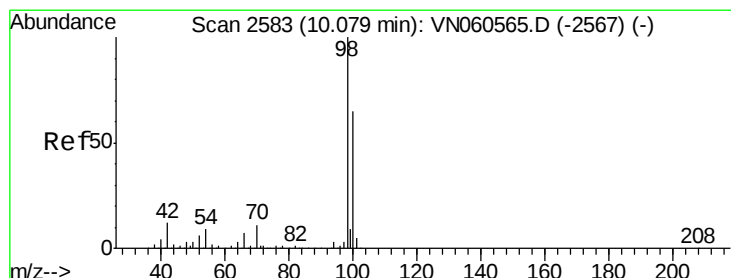
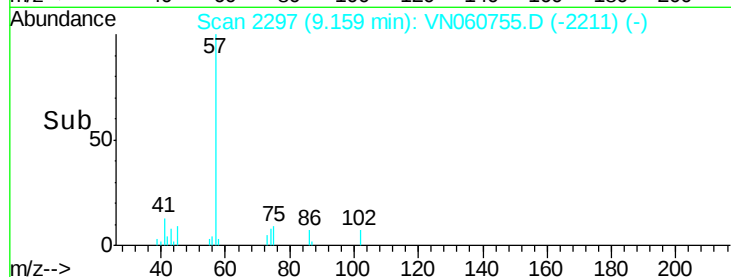
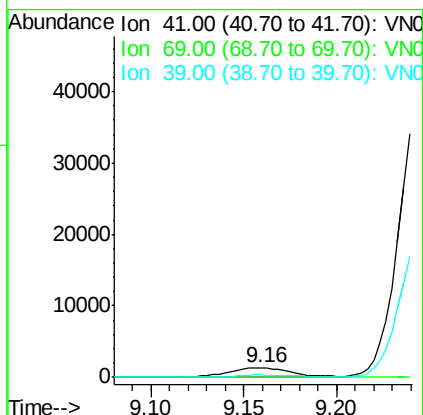
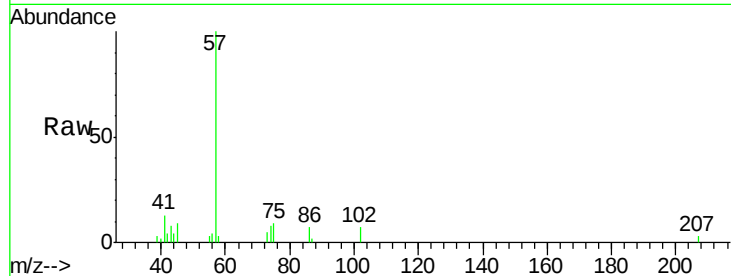




#48
Methyl methacrylate
Concen: 1.210 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060755.D
Acq: 27 Mar 2020 20:39

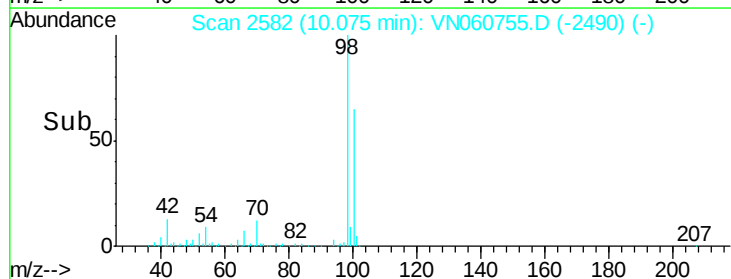
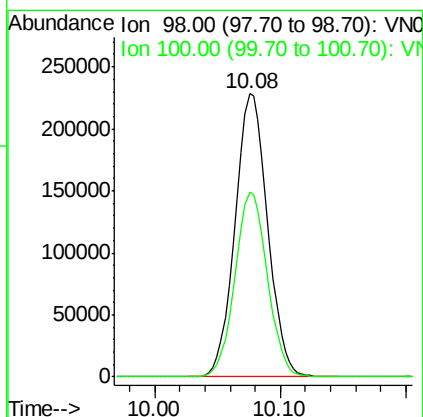
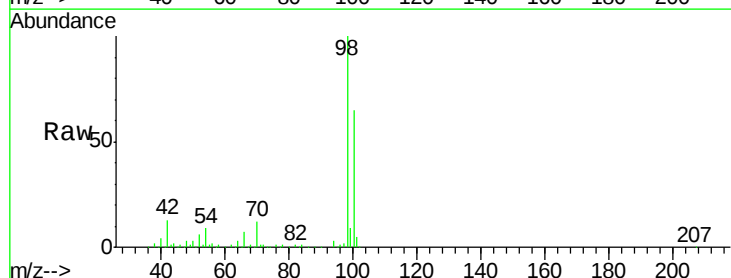
Instrument :
MSVOA_N
ClientSampled :
RO-346

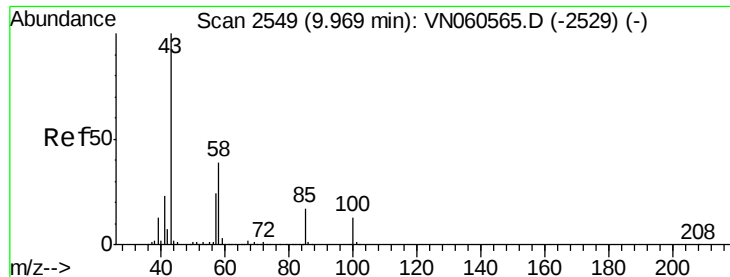
Tgt Ion: 41 Resp: 3073
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.419 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060755.D
Acq: 27 Mar 2020 20:39

Tgt Ion: 98 Resp: 411651
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8

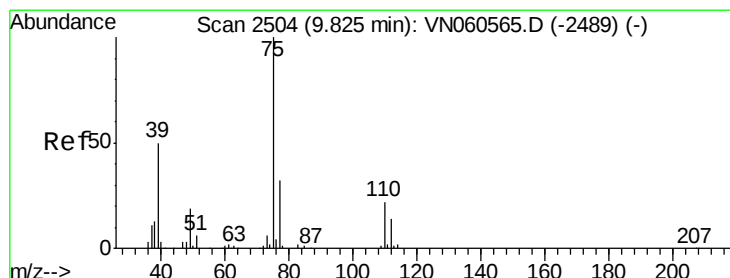
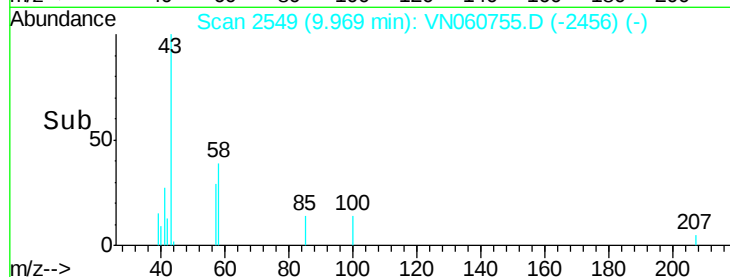
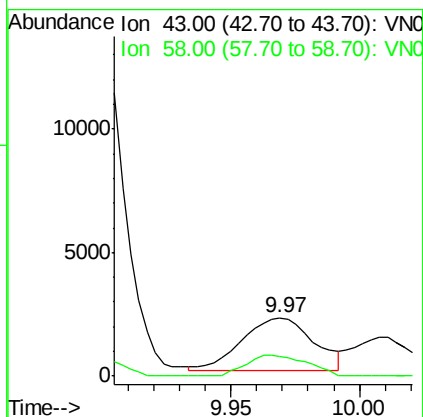
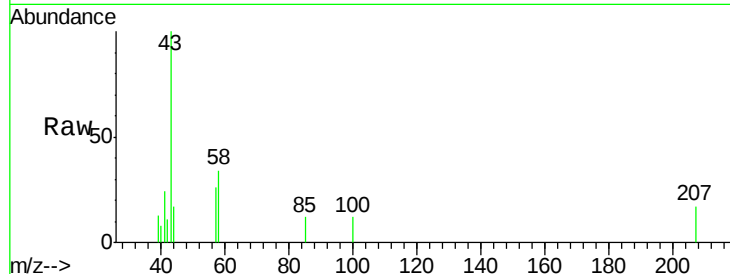




#51
 4-Methyl-2-Pentanone
 Concen: 1.284 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060755.D
 Acq: 27 Mar 2020 20:39

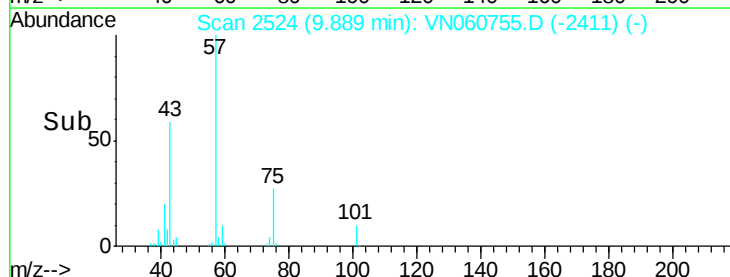
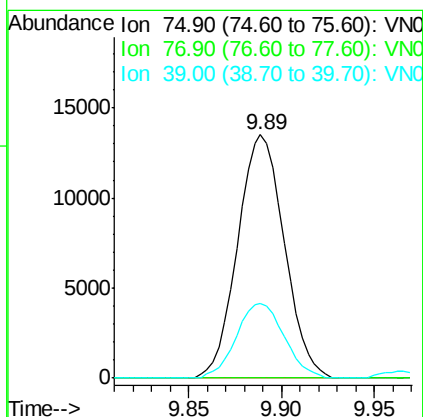
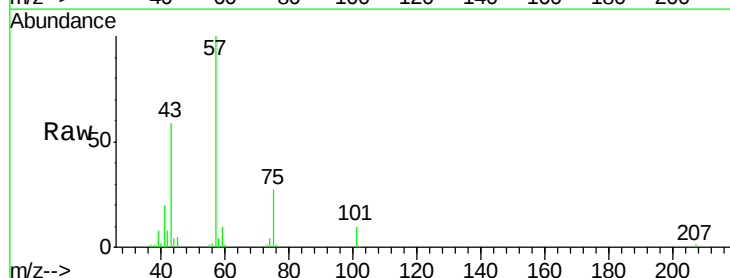
Instrument :
 MSVOA_N
 ClientSampled :
 RO-346

Tgt Ion: 43 Resp: 4168
 Ion Ratio Lower Upper
 43 100
 58 33.3 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 5.841 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060755.D
 Acq: 27 Mar 2020 20:39

Tgt Ion: 75 Resp: 23578
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.7 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 0.949 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060755.D

Acq: 27 Mar 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

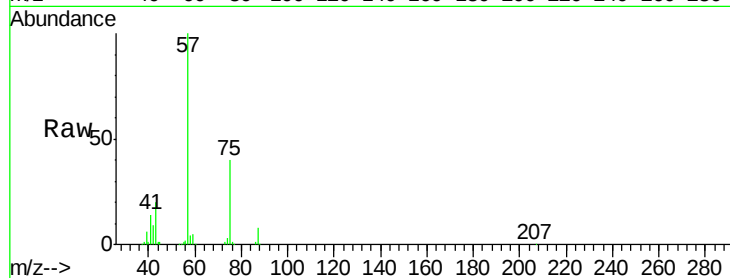
RO-346

Tgt Ion: 76 Resp: 3697

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

10.75

2500

2000

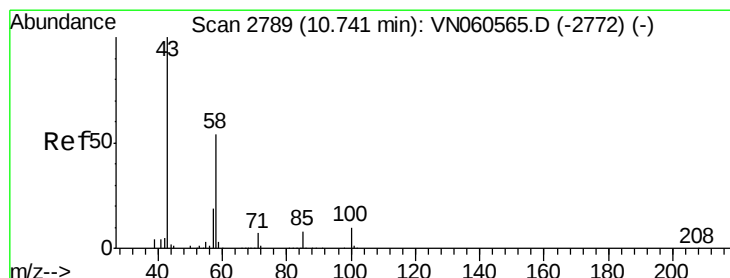
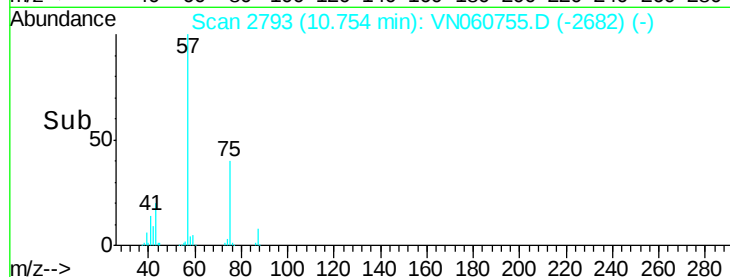
1500

1000

500

0

Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 24.356 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060755.D

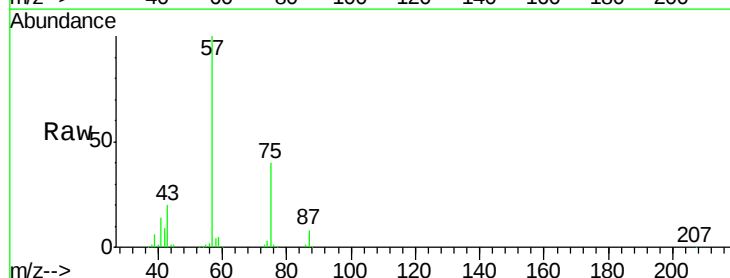
Acq: 27 Mar 2020 20:39

Tgt Ion: 43 Resp: 56949

Ion Ratio Lower Upper

43 100

58 18.9 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

40000

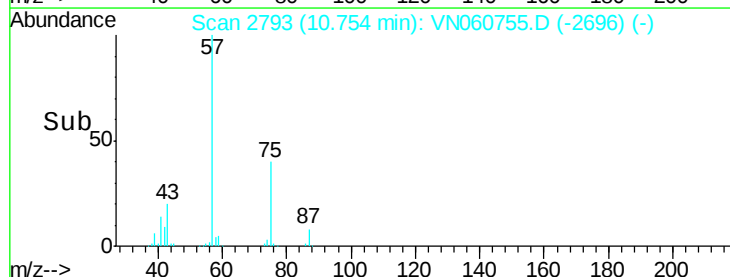
30000

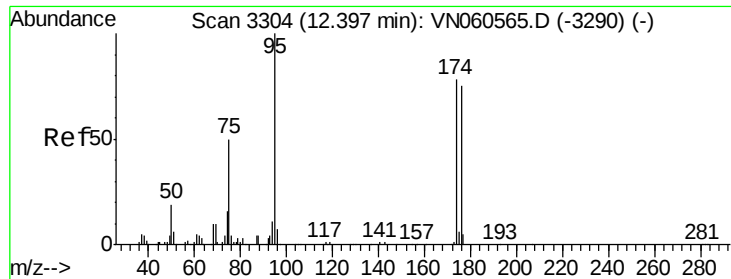
20000

10000

0

Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 51.492 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060755.D

Acq: 27 Mar 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

RO-346

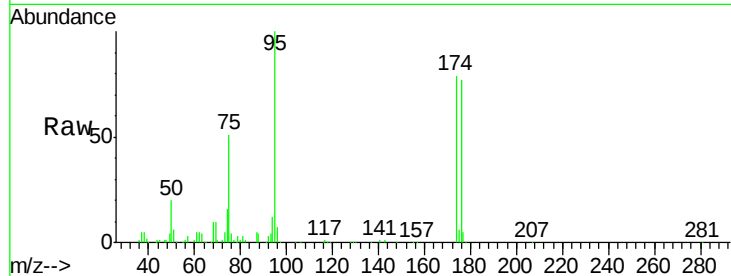
Tgt Ion: 95 Resp: 154074

Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.6

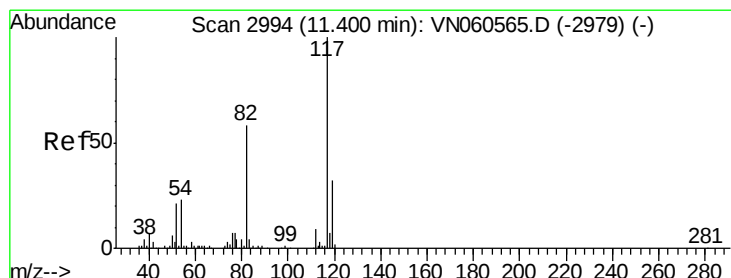
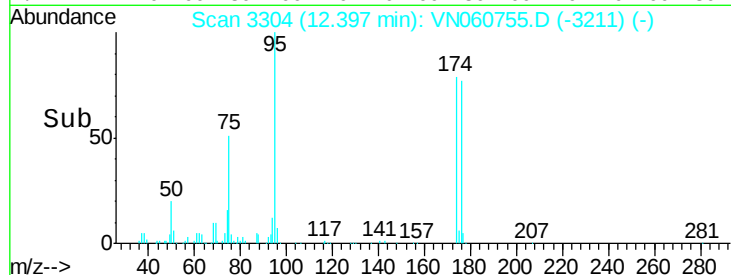
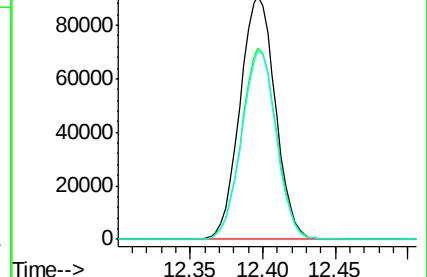
176 75.7 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060755.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060755.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060755.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060755.D

Acq: 27 Mar 2020 20:39

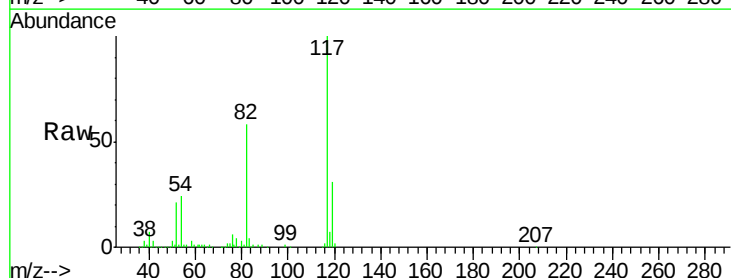
Tgt Ion: 117 Resp: 311702

Ion Ratio Lower Upper

117 100

82 58.5 46.7 70.1

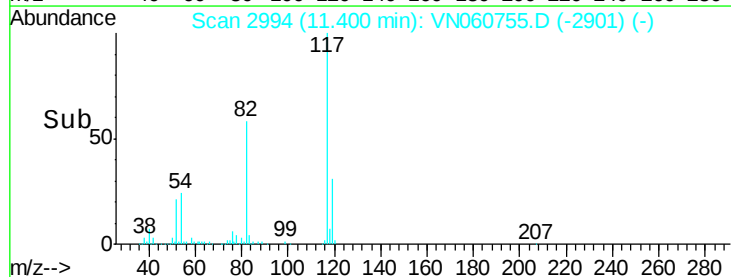
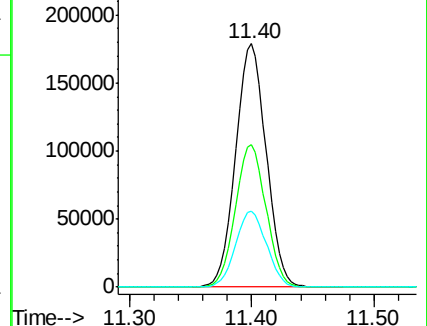
119 31.4 25.5 38.3

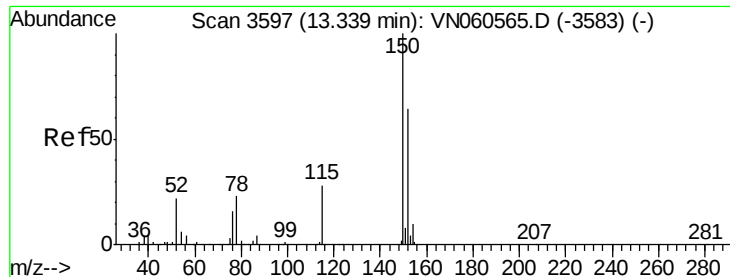


Abundance Ion 116.90 (116.60 to 117.60): VN060755.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060755.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060755.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: VN060755.D

Acq: 27 Mar 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

RO-346

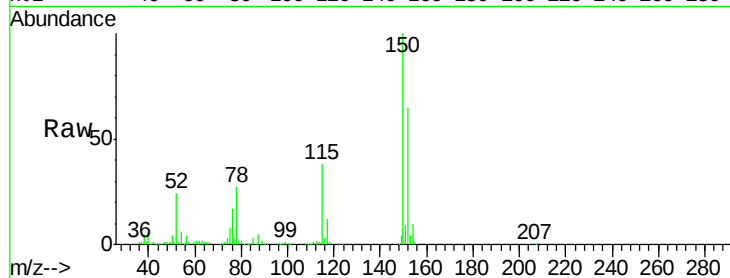
Tgt Ion: 152 Resp: 145153

Ion Ratio Lower Upper

152 100

115 59.3 30.2 90.6

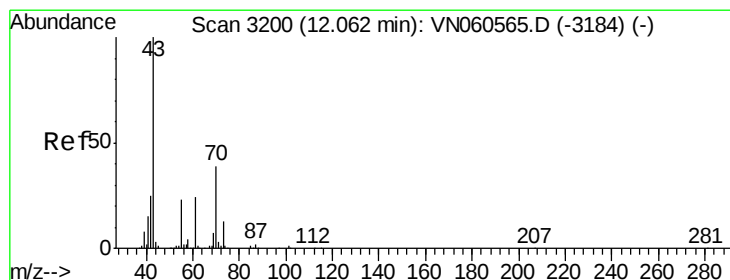
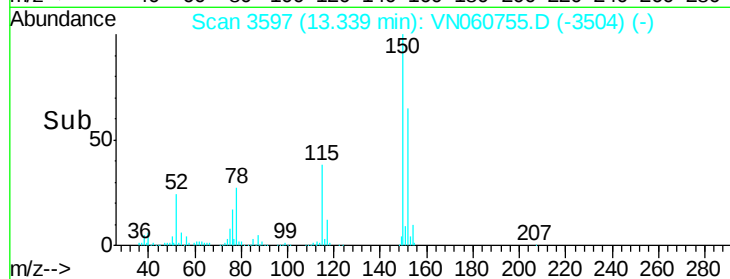
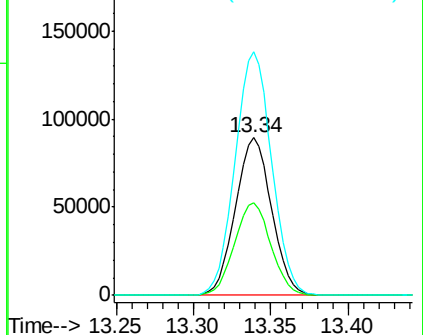
150 156.3 0.0 350.2



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-ethyl acetate

Concen: 0.648 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060755.D

Acq: 27 Mar 2020 20:39

Tgt Ion: 43 Resp: 3264

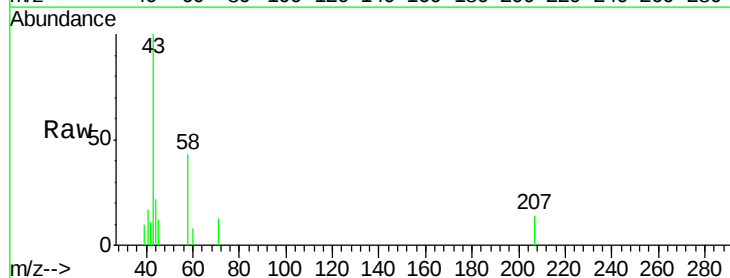
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

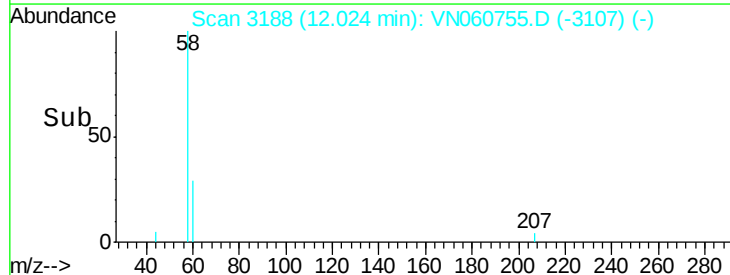
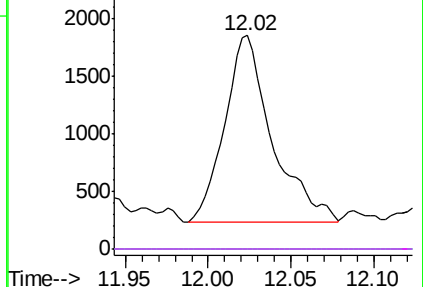


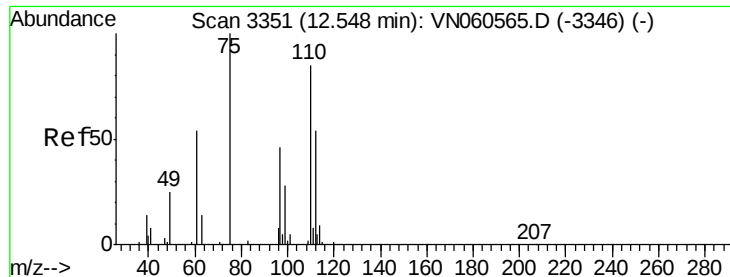
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 24.837 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060755.D

Acq: 27 Mar 2020 20:39

Instrument :

MSVOA_N

ClientSampled :

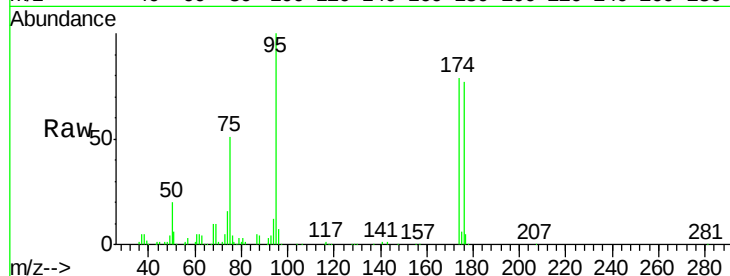
RO-346

Tgt Ion: 75 Resp: 77791

Ion Ratio Lower Upper

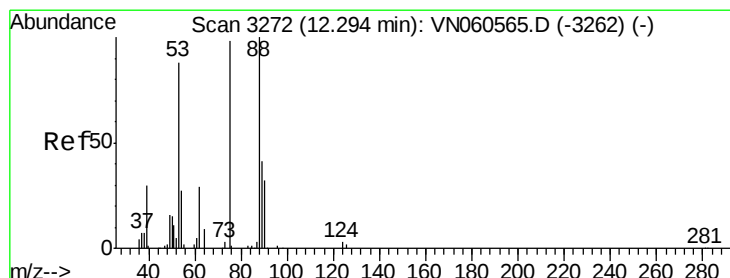
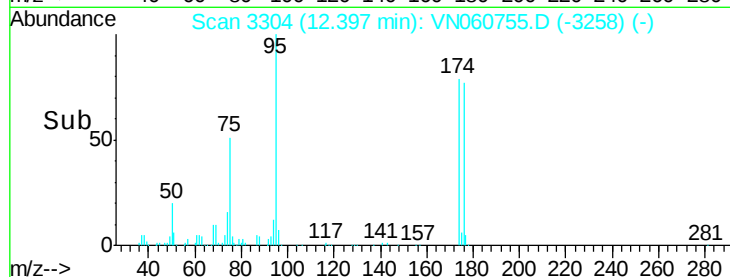
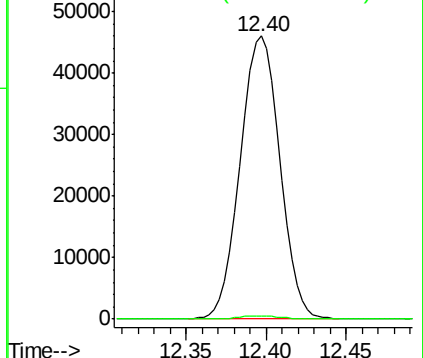
75 100

77 1.1 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: 63.788 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060755.D

Acq: 27 Mar 2020 20:39

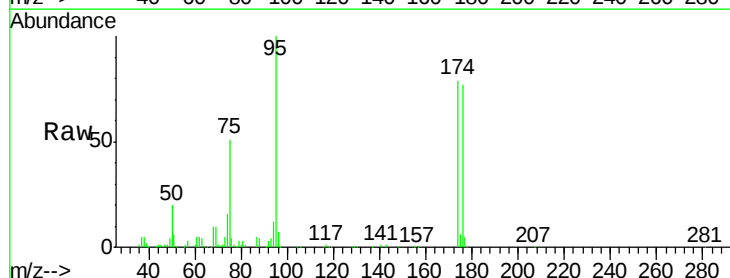
Tgt Ion: 75 Resp: 77791

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

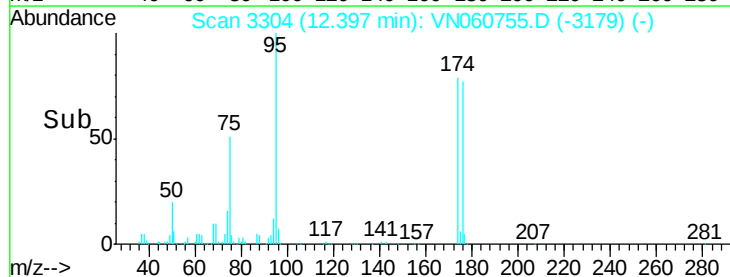
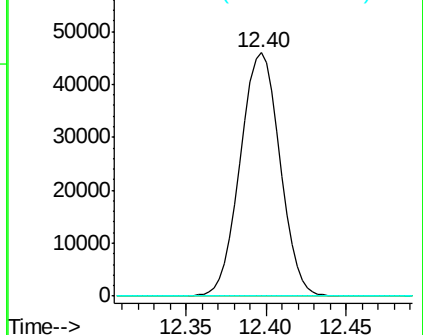
89 0.0 34.8 52.2#

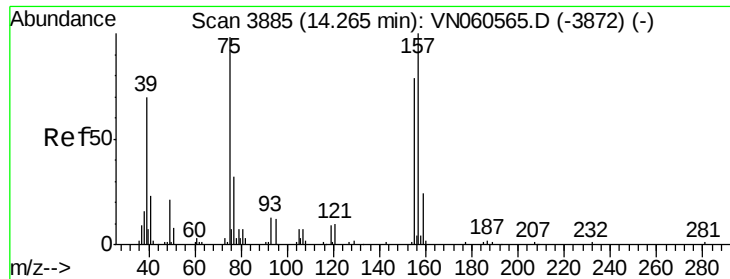


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.528 ug/l

RT: 14.50 min Scan# 3957

Delta R.T. 0.23 min

Lab File: VN060755.D

Acq: 27 Mar 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

RO-346

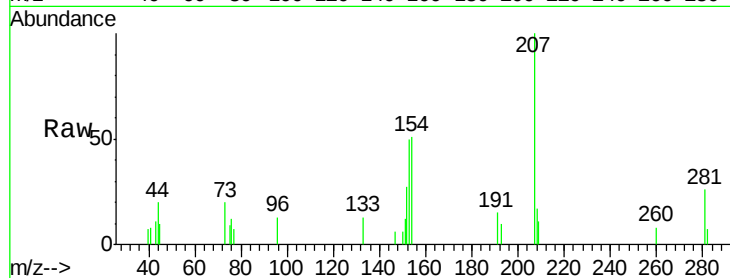
Tgt Ion: 75 Resp: 547

Ion Ratio Lower Upper

75 100

155 11.2 40.7 122.1#

157 0.0 51.5 154.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060755.D (-3957) (-)

Ion 154.80 (154.50 to 155.50): VN060755.D (-3957) (-)

Ion 156.80 (156.50 to 157.50): VN060755.D (-3957) (-)

