

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
 Data File : VN060720.D
 Acq On : 26 Mar 2020 17:45
 Operator : JC/MD
 Sample : L1757-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-032420

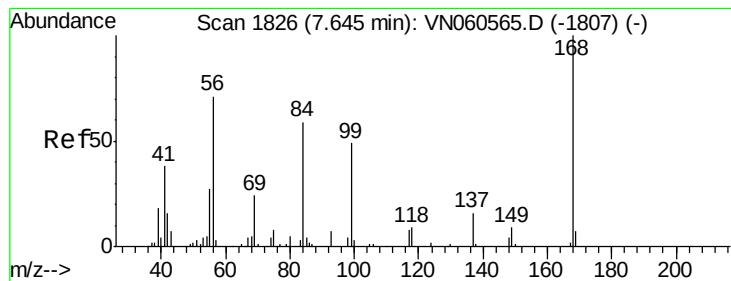
Quant Time: Mar 27 05:34:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	354688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	331189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154328	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	137068	47.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.70%	
35) Dibromofluoromethane	7.56	113	105112	49.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.02%	
50) Toluene-d8	10.08	98	438311	50.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.40	95	167184	52.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	7148	6.970	ug/l	90
18) Methyl Acetate	4.29	43	2077	0.720	ug/l #	54
20) Methylene Chloride	4.53	84	5805	2.301	ug/l	91
25) 2-Butanone	6.80	43	838	0.505	ug/l #	50
31) Cyclohexane	7.64	56	4315	0.925	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16401	4.775	ug/l #	50
37) Ethyl Acetate	6.80	43	838	0.226	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19469	6.325	ug/l #	16
43) Isopropyl Acetate	8.14	43	58568	9.570	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1075	0.393	ug/l #	43
48) Methyl methacrylate	9.16	41	3100	1.138	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4902	1.408	ug/l	95
54) cis-1,3-Dichloropropene	9.89	75	24052	5.553	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3817	0.913	ug/l #	42
59) 2-Hexanone	10.75	43	56619	22.569	ug/l #	51
71) Bromoform	12.40	173	510	1.930	ug/l #	1
74) N-amyl acetate	12.02	43	3740	0.699	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	84174	25.277	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	84174	64.919	ug/l #	13
95) Naphthalene	15.13	128	1999	0.230	ug/l #	76

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

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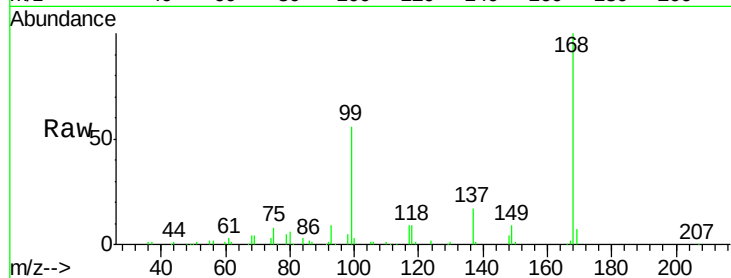
EO-01-032420

Tgt Ion: 168 Resp: 210889

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): VN0

7.64

80000

60000

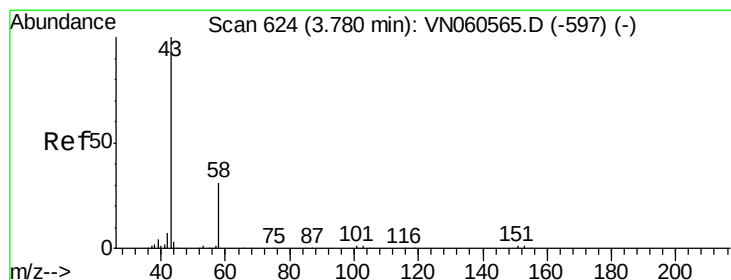
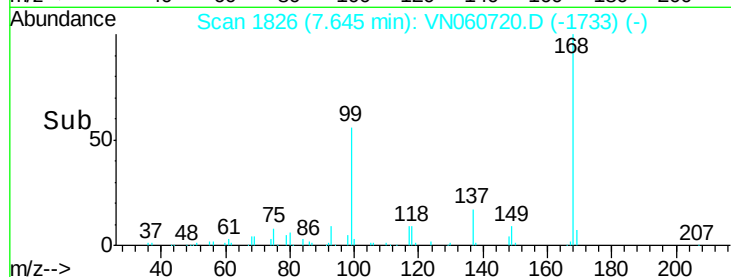
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.970 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060720.D

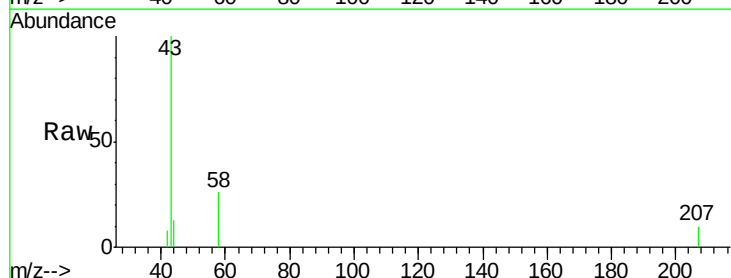
Acq: 26 Mar 2020 17:45

Tgt Ion: 43 Resp: 7148

Ion Ratio Lower Upper

43 100

58 26.0 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

3000

2500

2000

1500

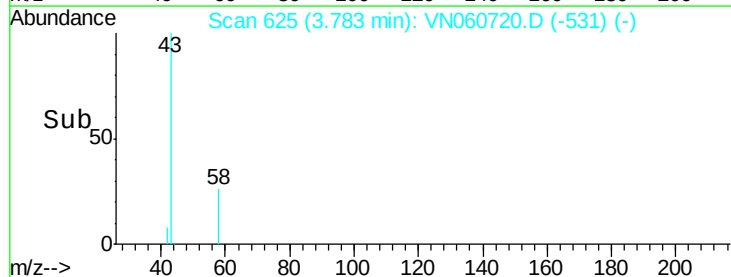
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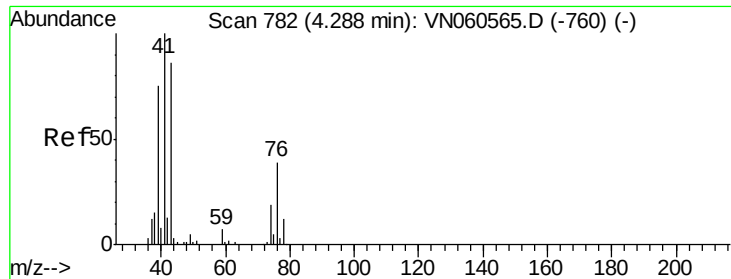
500

0

3.70 3.75 3.80 3.85 3.90

Time-->

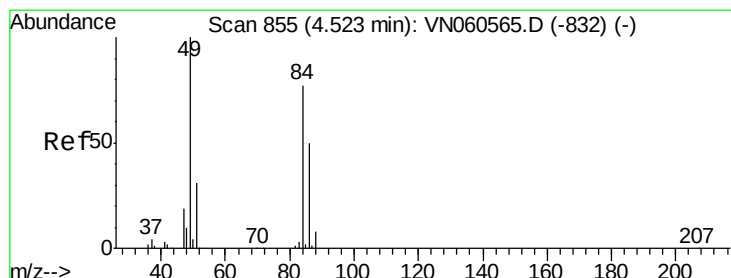
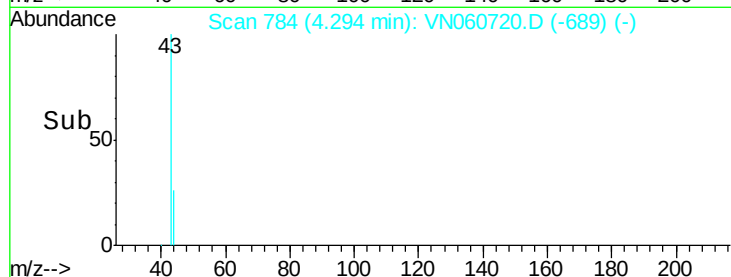
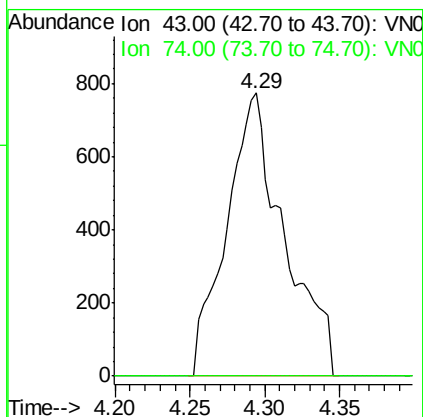
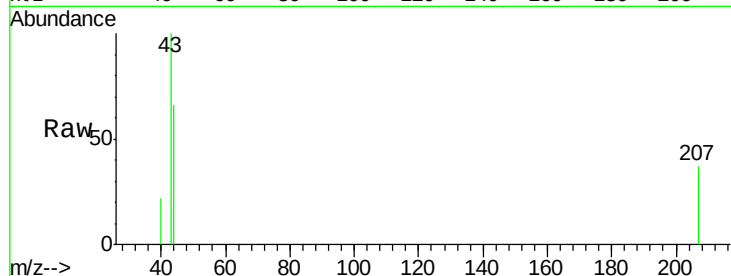




#18
Methyl Acetate
Concen: 0.720 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060720.D
Acq: 26 Mar 2020 17:45

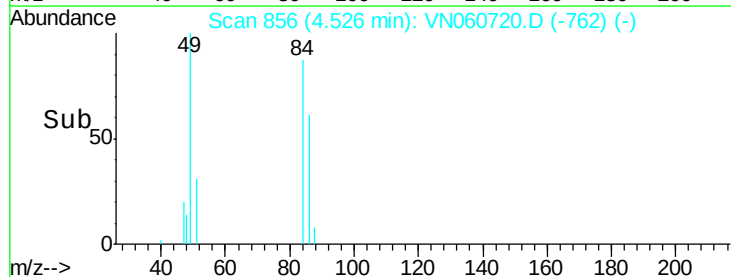
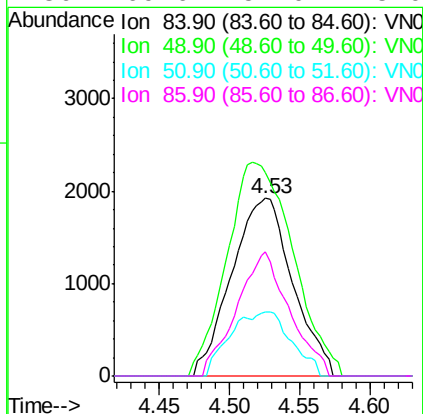
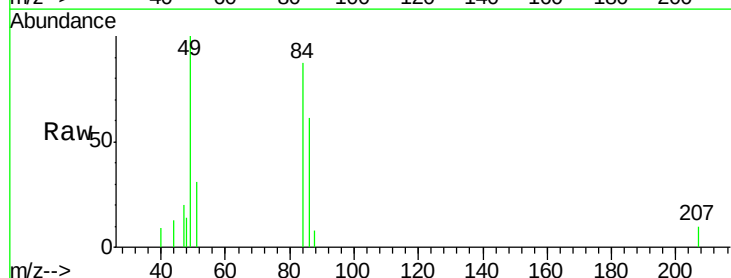
Instrument :
MSVOA_N
ClientSampleId :
EO-01-032420

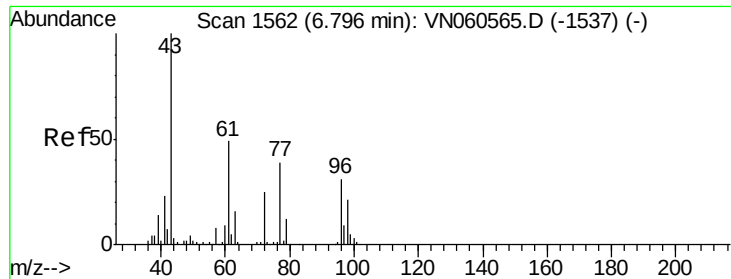
Tgt Ion: 43 Resp: 2077
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.301 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060720.D
Acq: 26 Mar 2020 17:45

Tgt Ion: 84 Resp: 5805
Ion Ratio Lower Upper
84 100
49 114.7 103.3 154.9
51 36.0 31.6 47.4
86 69.6 52.0 78.0

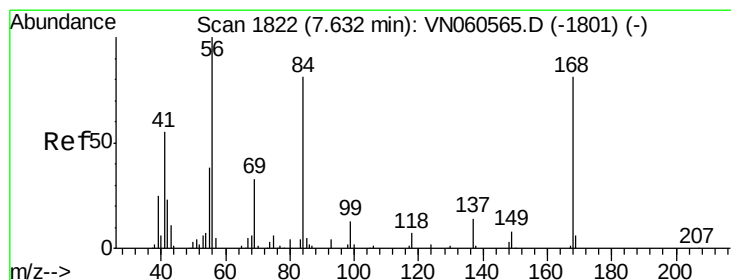
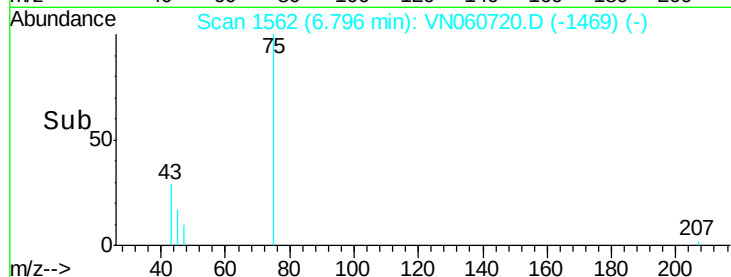
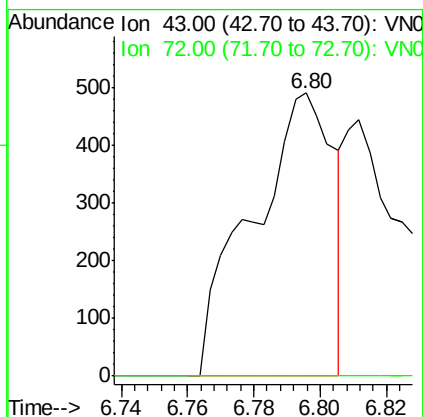
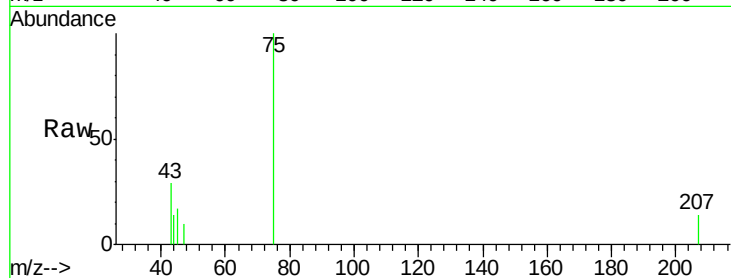




#25
2-Butanone
Concen: 0.505 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060720.D
Acq: 26 Mar 2020 17:45

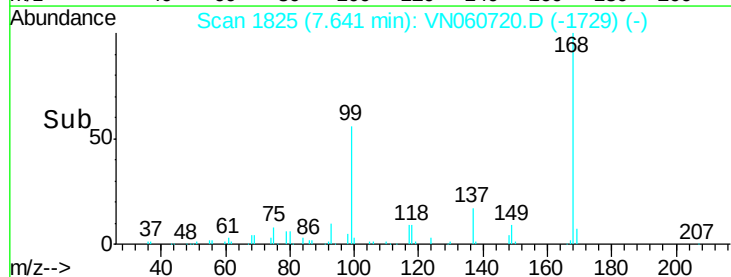
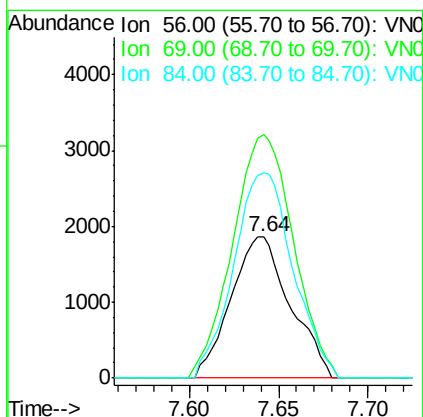
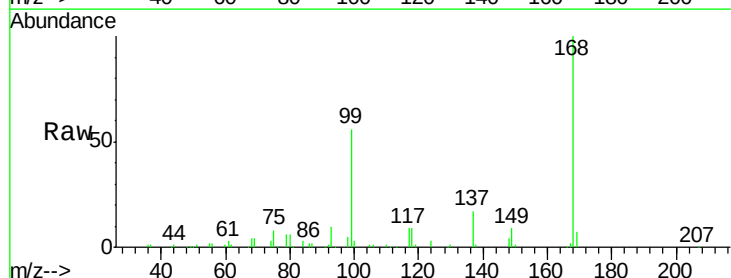
Instrument :
MSVOA_N
ClientSampled :
EO-01-032420

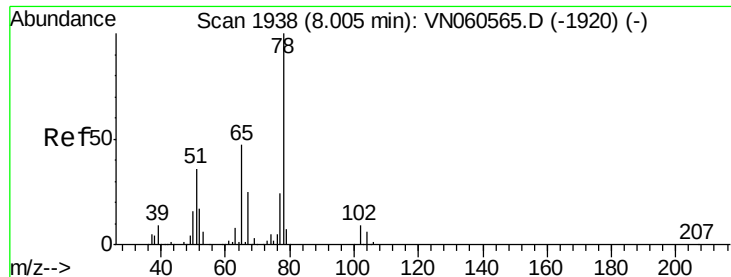
Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.925 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060720.D
Acq: 26 Mar 2020 17:45

Tgt Ion: 56 Resp: 4315
Ion Ratio Lower Upper
56 100
69 172.0 26.6 40.0#
84 145.2 64.3 96.5#

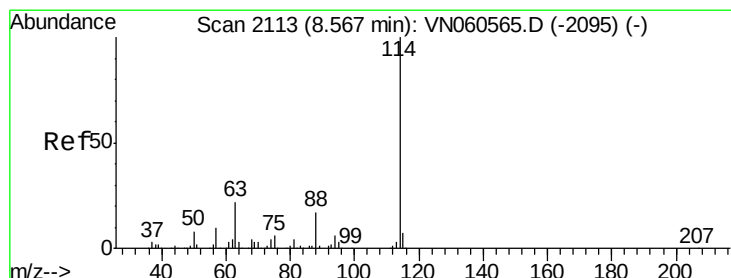
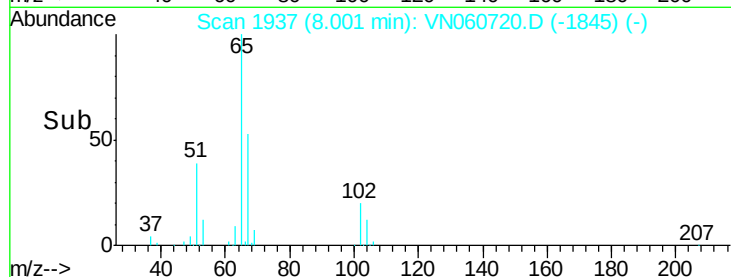
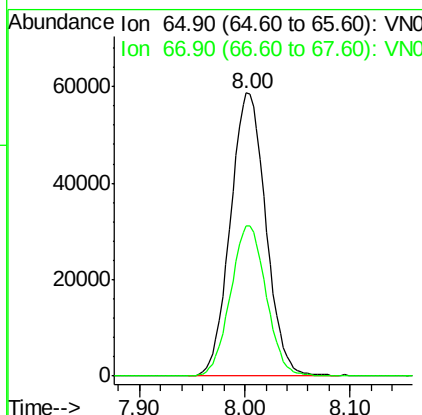
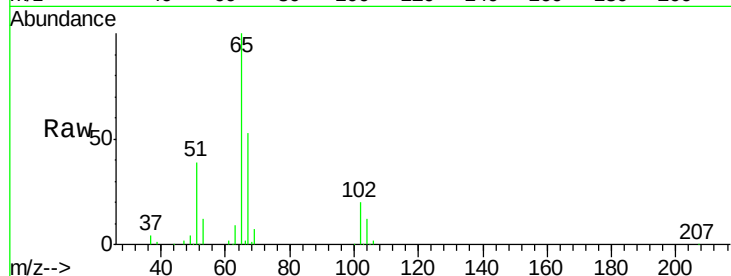




#33
 1,2-Dichloroethane-d4
 Concen: 47.346 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060720.D
 Acq: 26 Mar 2020 17:45

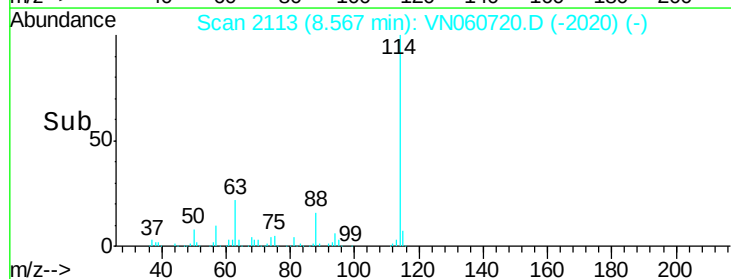
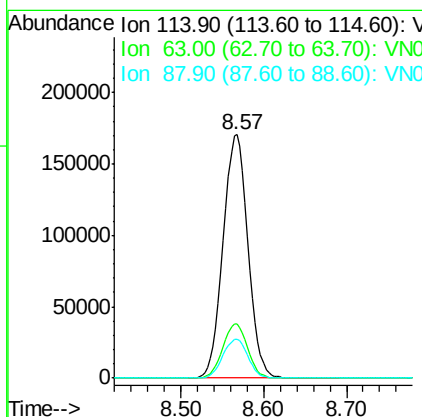
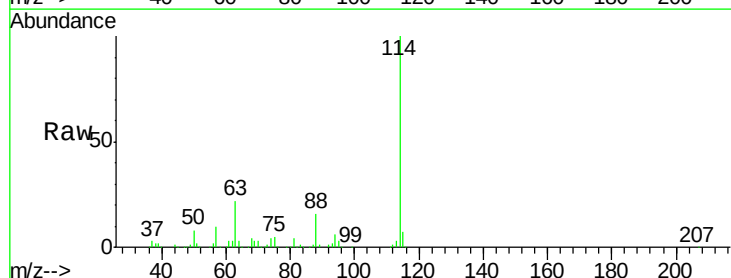
Instrument :
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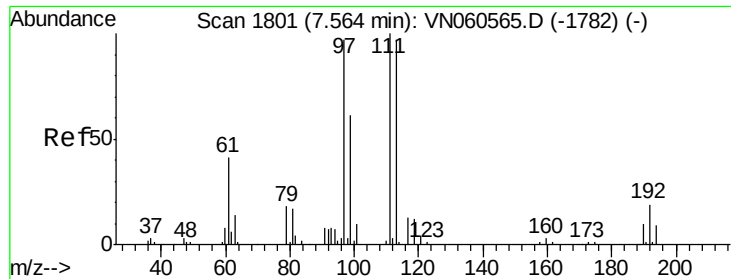
Tgt Ion: 65 Resp: 137068
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060720.D
 Acq: 26 Mar 2020 17:45

Tgt Ion: 114 Resp: 354688
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.1 0.0 33.0

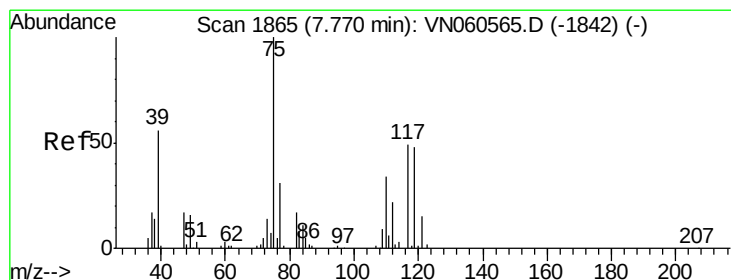
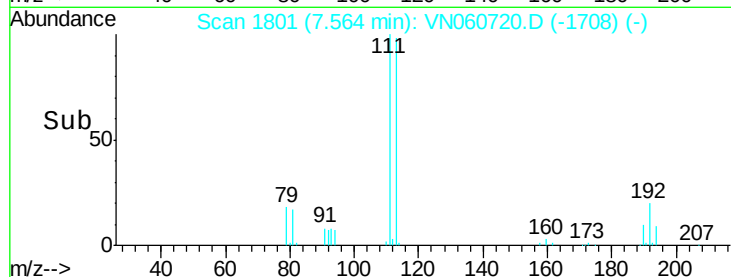
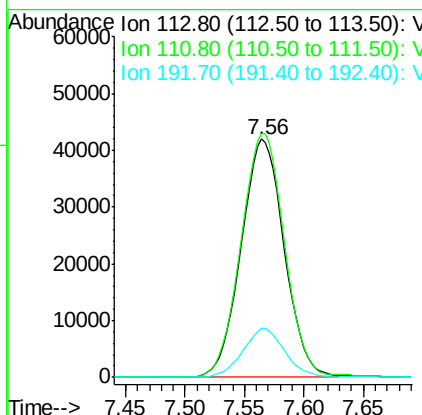
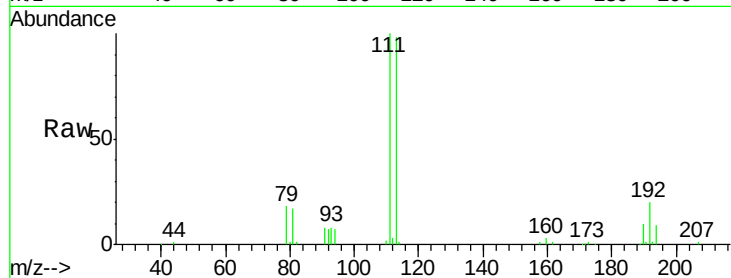




#35
 Dibromofluoromethane
 Concen: 49.010 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060720.D
 Acq: 26 Mar 2020 17:45

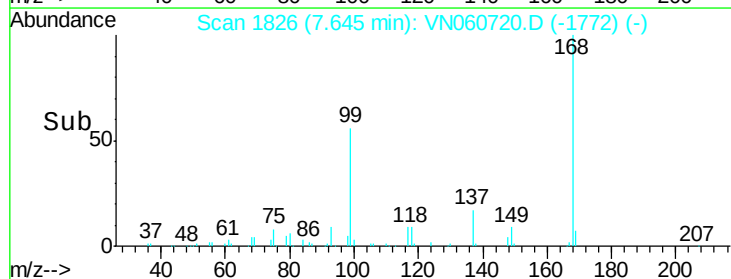
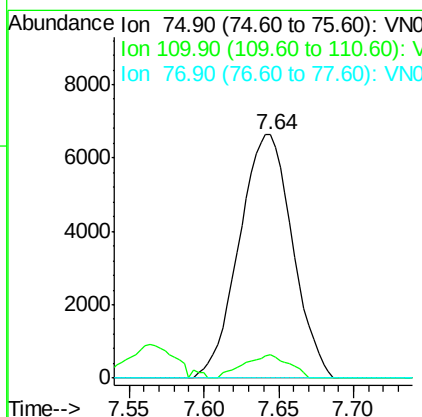
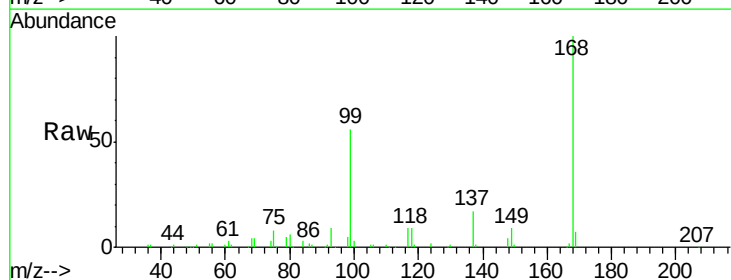
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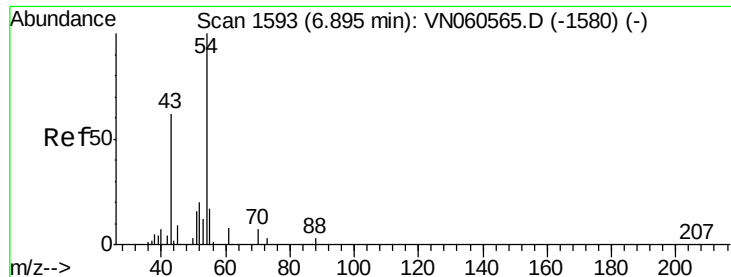
Tgt Ion:113 Resp: 105112
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.9 124.3
 192 19.8 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.775 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060720.D
 Acq: 26 Mar 2020 17:45

Tgt Ion: 75 Resp: 16401
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.9 50.6#
 77 0.0 24.6 36.8#

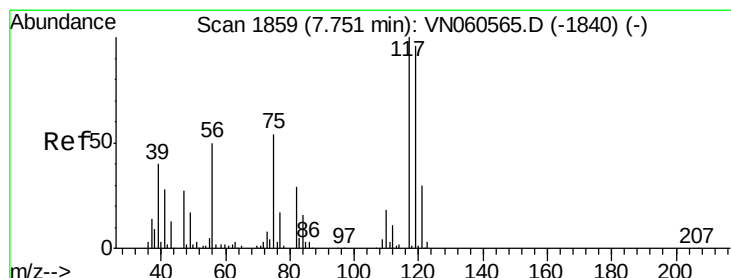
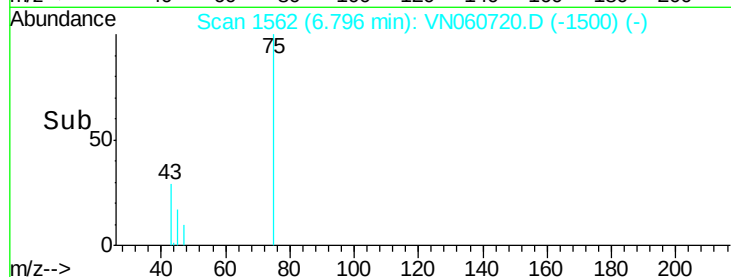
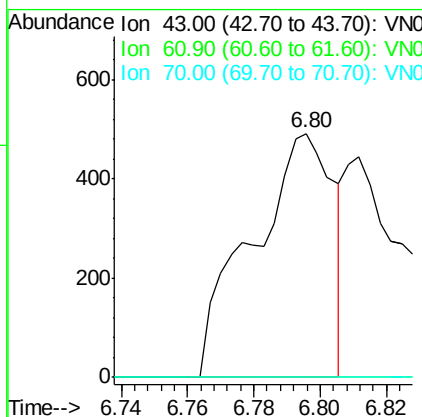
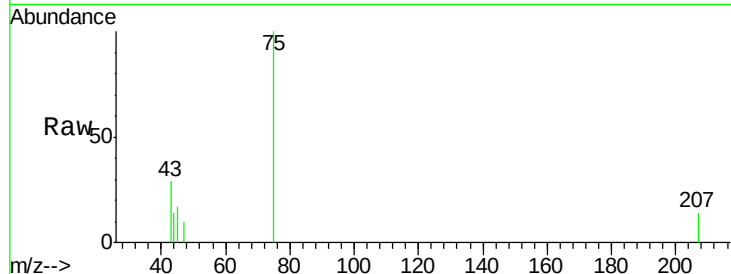




#37
Ethyl Acetate
 Concen: 0.226 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VN060720.D
 Acq: 26 Mar 2020 17:45

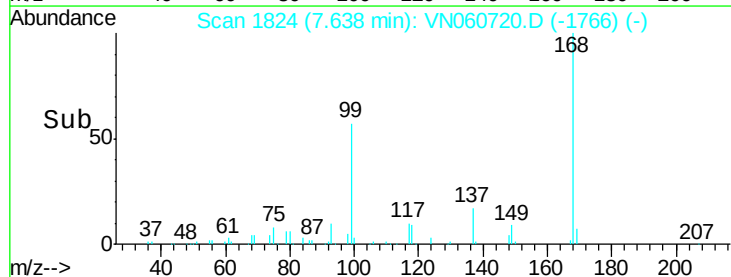
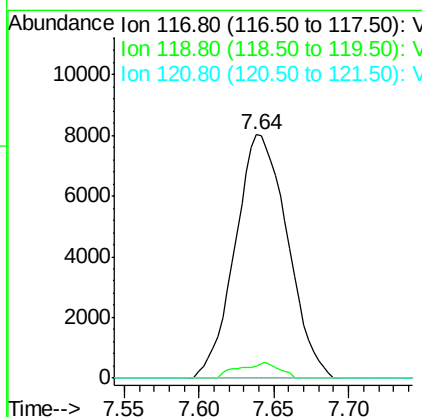
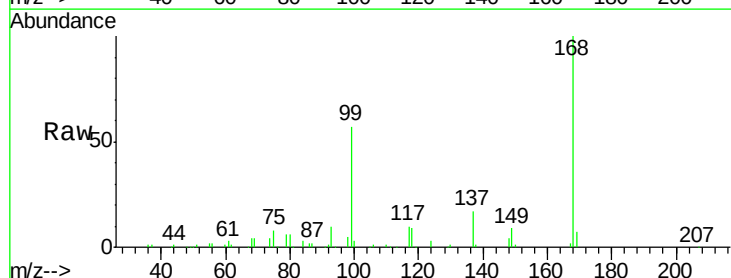
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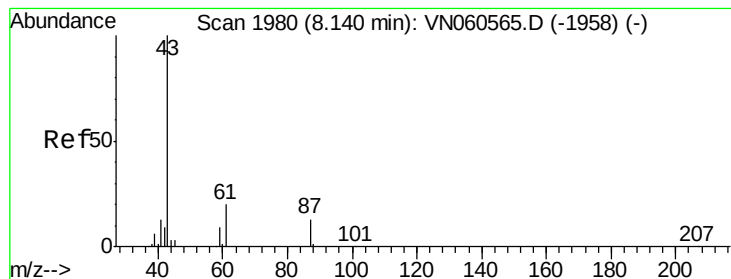
Tgt Ion: 43 Resp: 838
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
 Concen: 6.325 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN060720.D
 Acq: 26 Mar 2020 17:45

Tgt Ion: 117 Resp: 19469
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.2 114.2#
 121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 9.570 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060720.D

Acq: 26 Mar 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

EO-01-032420

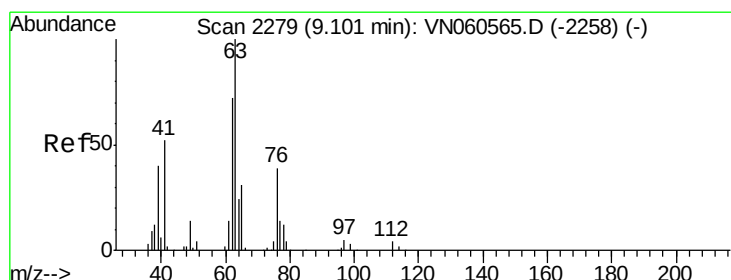
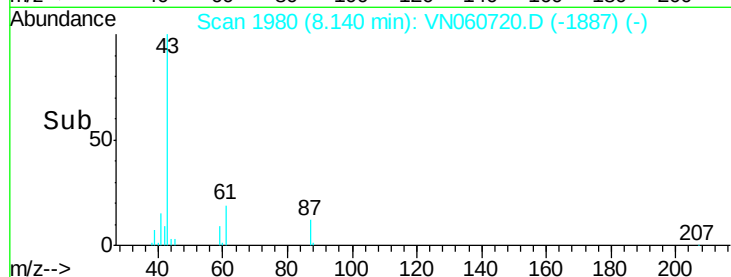
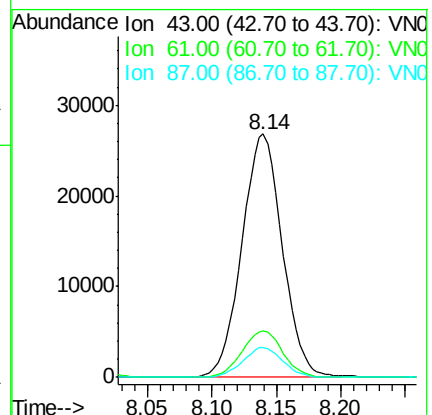
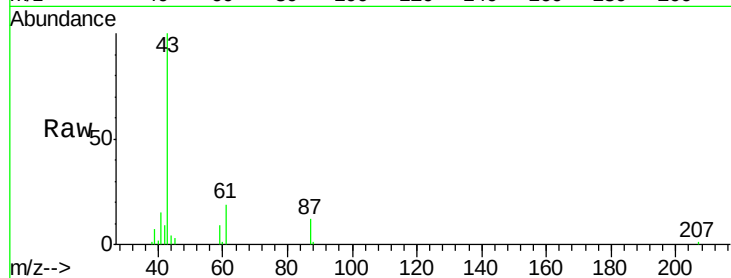
Tgt Ion: 43 Resp: 58568

Ion Ratio Lower Upper

43 100

61 19.0 20.7 31.1#

87 12.0 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.393 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060720.D

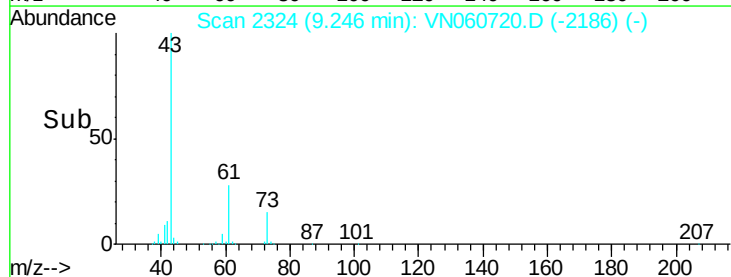
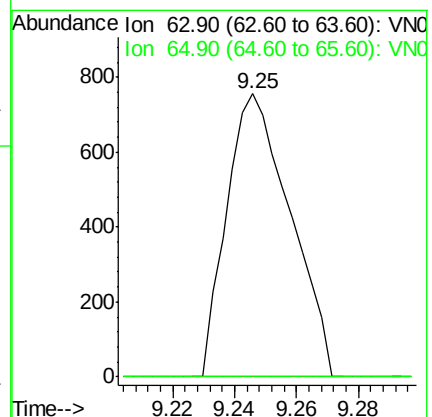
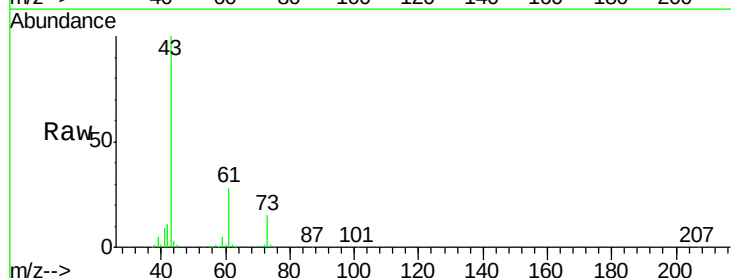
Acq: 26 Mar 2020 17:45

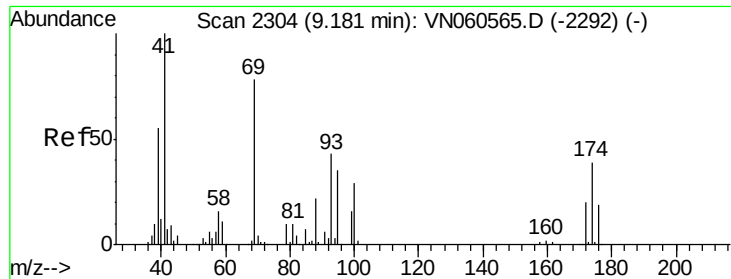
Tgt Ion: 63 Resp: 1075

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

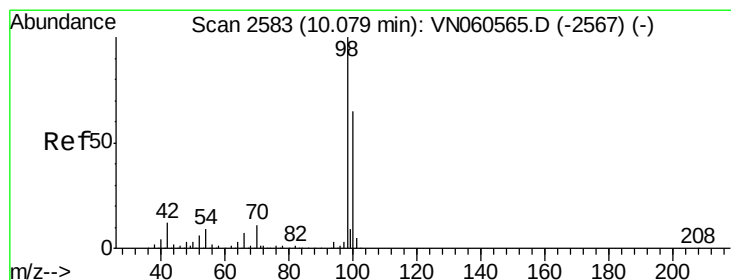
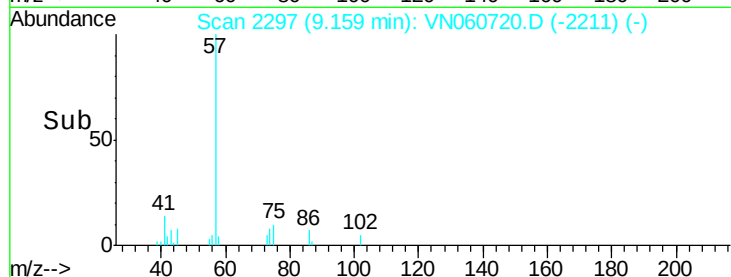
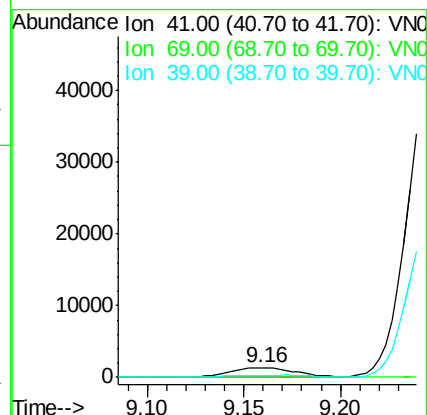
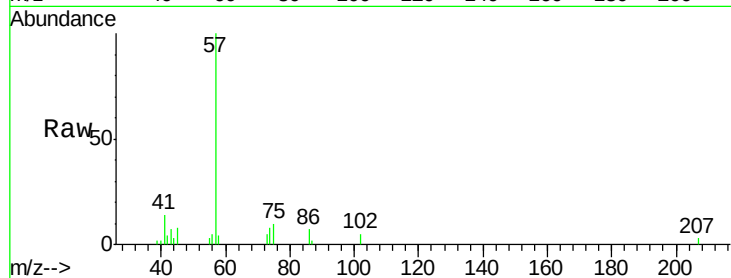




#48
Methyl methacrylate
Concen: 1.138 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060720.D
Acq: 26 Mar 2020 17:45

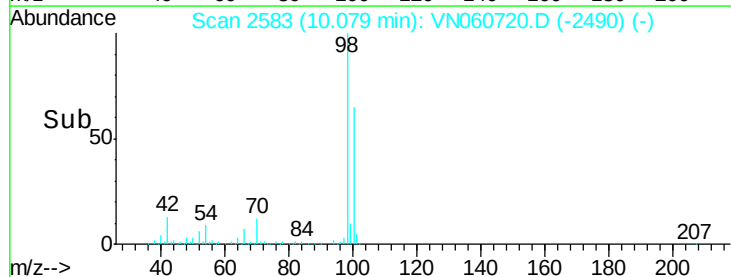
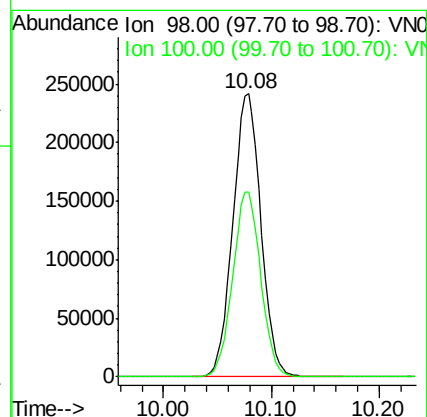
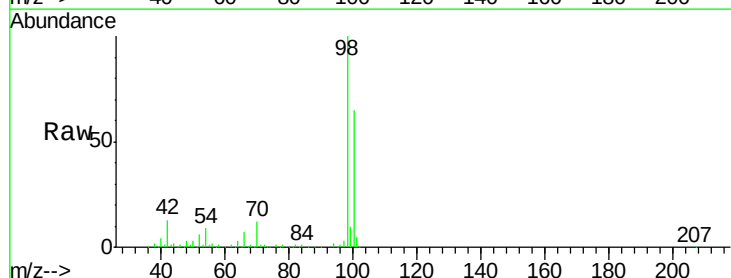
Instrument :
MSVOA_N
ClientSampleId :
EO-01-032420

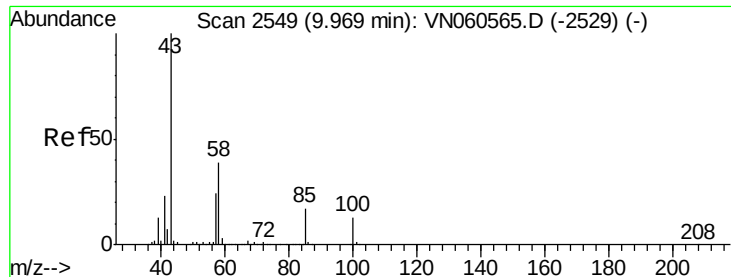
Tgt Ion: 41 Resp: 3100
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.034 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060720.D
Acq: 26 Mar 2020 17:45

Tgt Ion: 98 Resp: 438311
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8

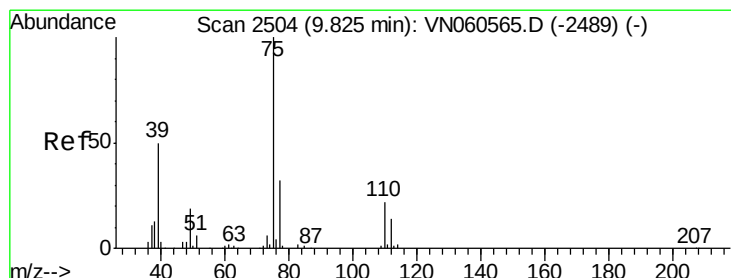
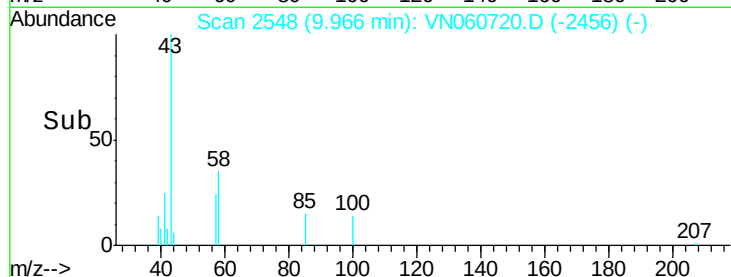
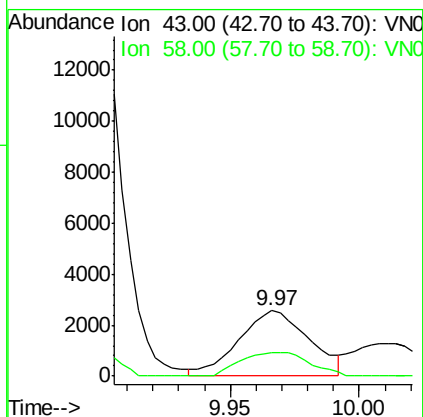
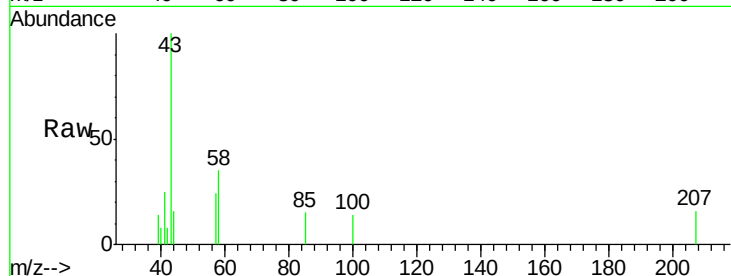




#51
 4-Methyl-2-Pentanone
 Concen: 1.408 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060720.D
 Acq: 26 Mar 2020 17:45

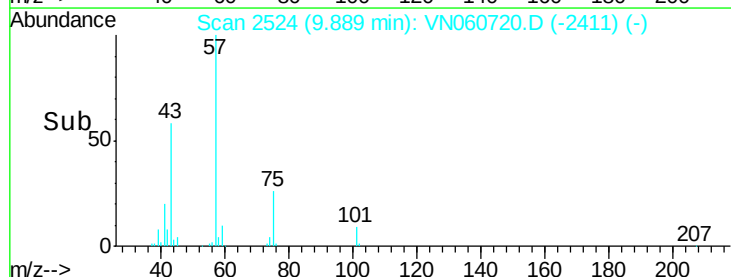
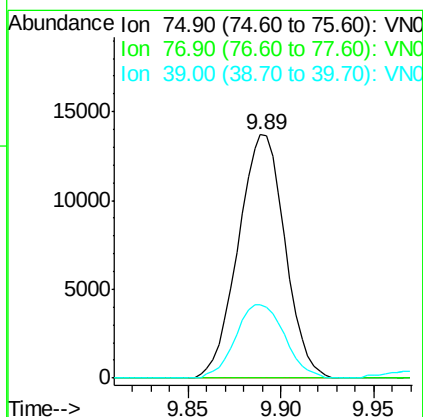
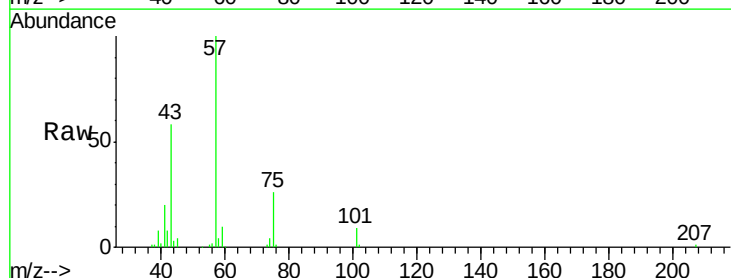
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-032420

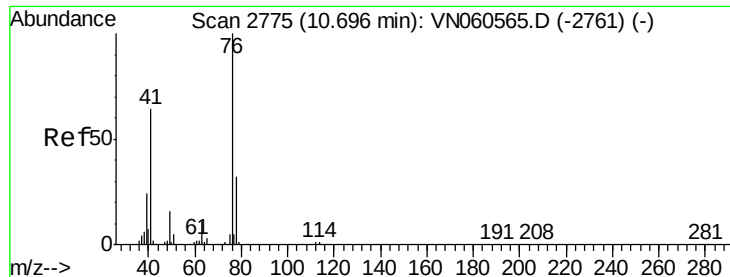
Tgt Ion: 43 Resp: 4902
 Ion Ratio Lower Upper
 43 100
 58 35.4 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 5.553 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060720.D
 Acq: 26 Mar 2020 17:45

Tgt Ion: 75 Resp: 24052
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.2 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 0.913 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060720.D

Acq: 26 Mar 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

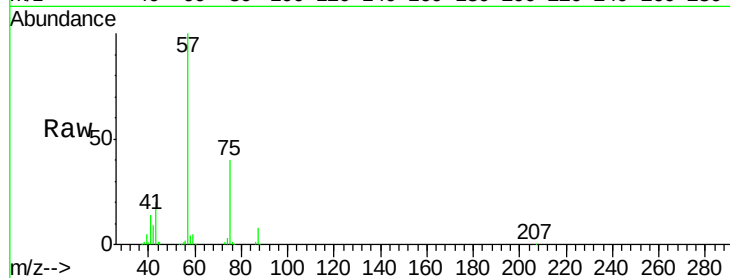
EO-01-032420

Tgt Ion: 76 Resp: 3817

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

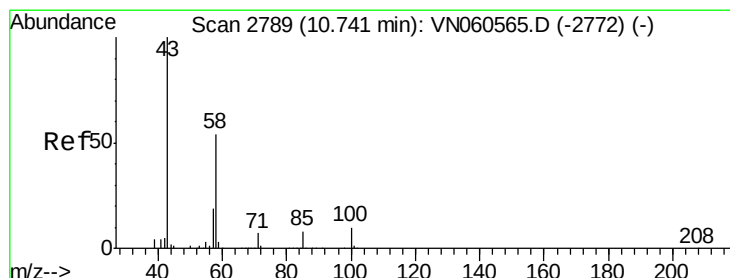
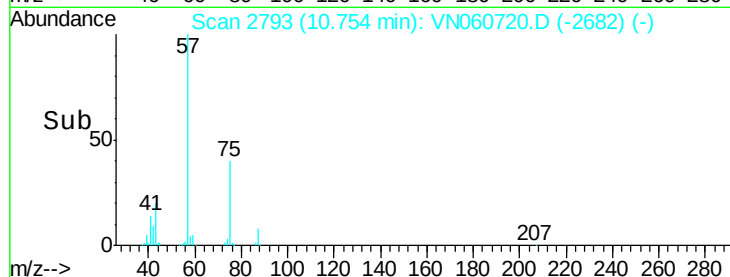
1500

1000

500

0

Time-->



#59

2-Hexanone

Concen: 22.569 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060720.D

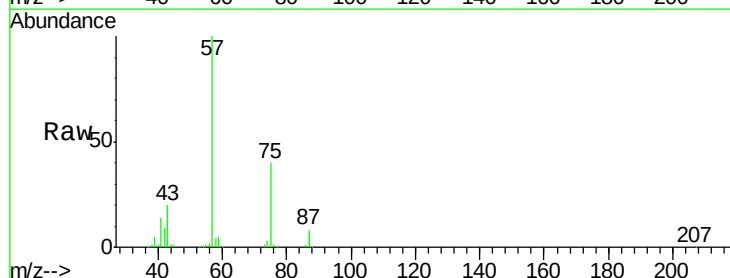
Acq: 26 Mar 2020 17:45

Tgt Ion: 43 Resp: 56619

Ion Ratio Lower Upper

43 100

58 18.5 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

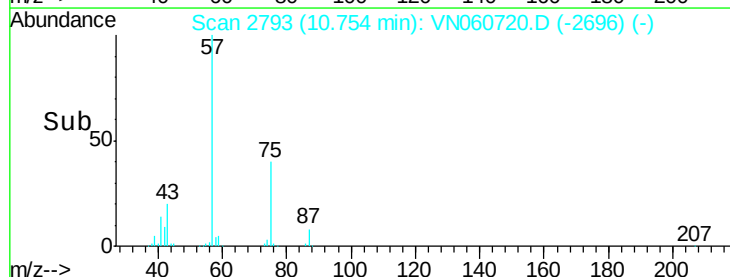
30000

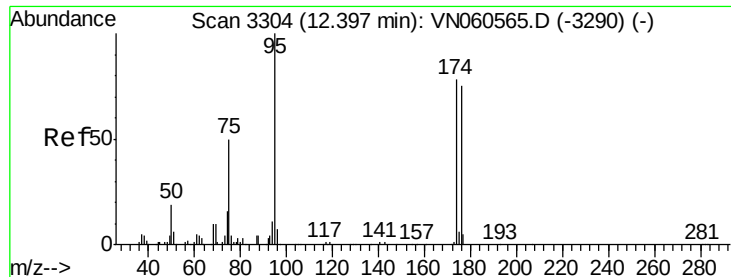
20000

10000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.074 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060720.D

Acq: 26 Mar 2020 17:45

Instrument :

MSVOA_N

ClientSampled :

EO-01-032420

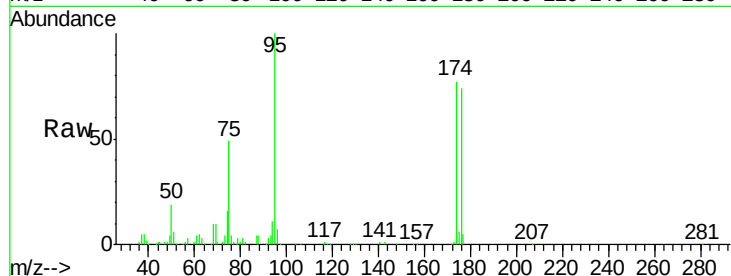
Tgt Ion: 95 Resp: 167184

Ion Ratio Lower Upper

95 100

174 77.1 0.0 157.6

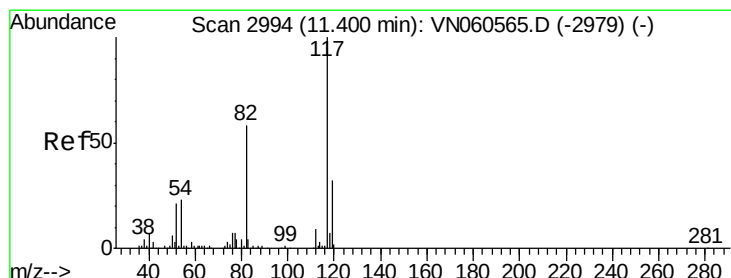
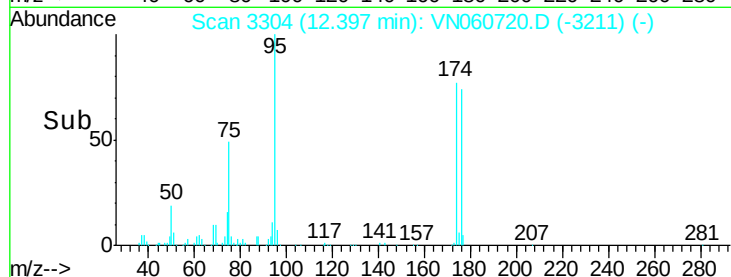
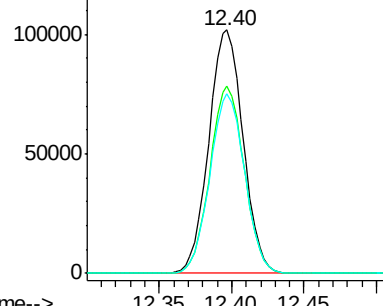
176 74.8 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060720.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060720.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060720.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060720.D

Acq: 26 Mar 2020 17:45

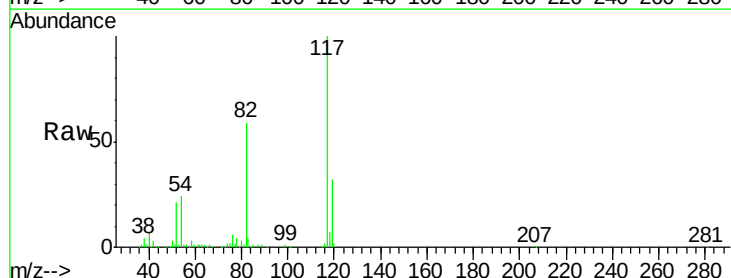
Tgt Ion: 117 Resp: 331189

Ion Ratio Lower Upper

117 100

82 58.8 46.7 70.1

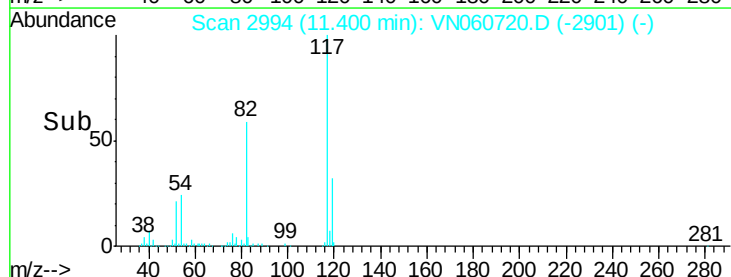
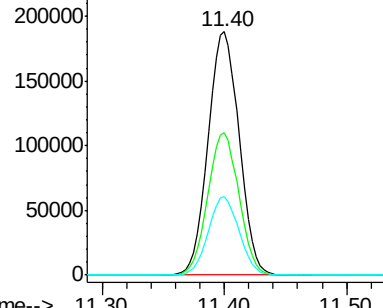
119 32.4 25.5 38.3

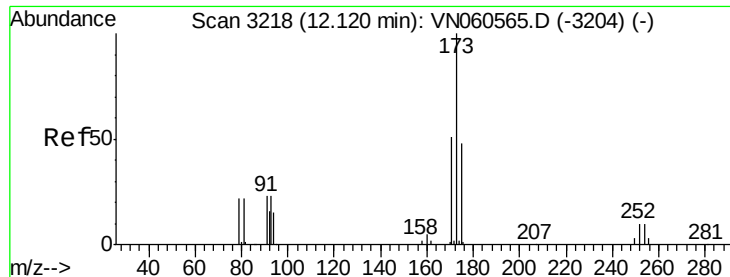


Abundance Ion 116.90 (116.60 to 117.60): VN060720.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060720.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060720.D (-2979) (-)

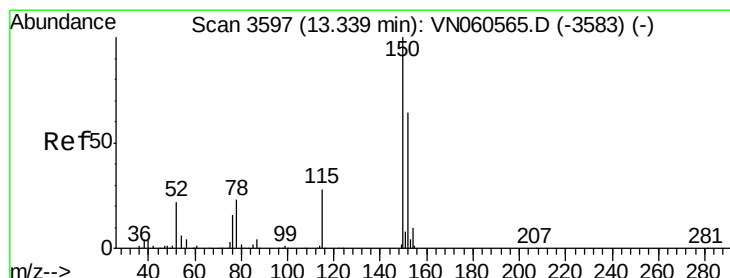
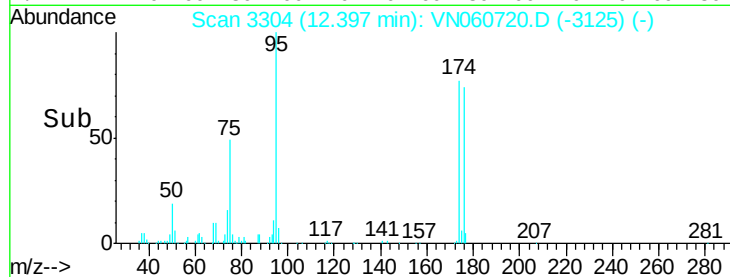
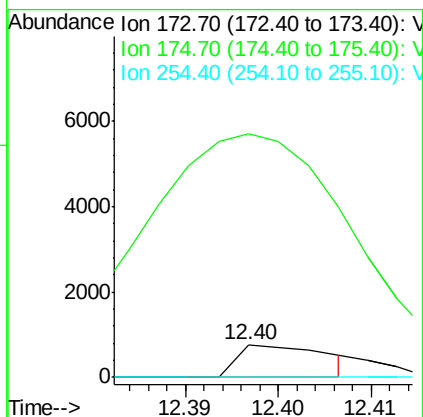
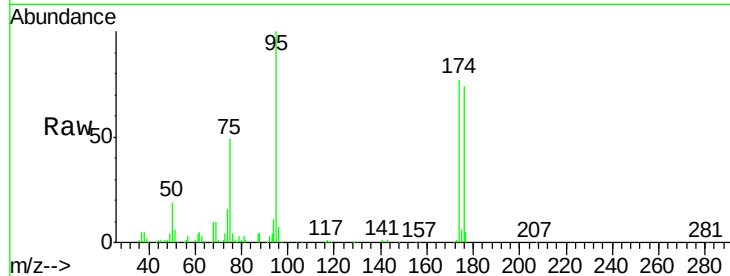




#71
Bromoform
Concen: 1.930 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060720.D
Acq: 26 Mar 2020 17:45

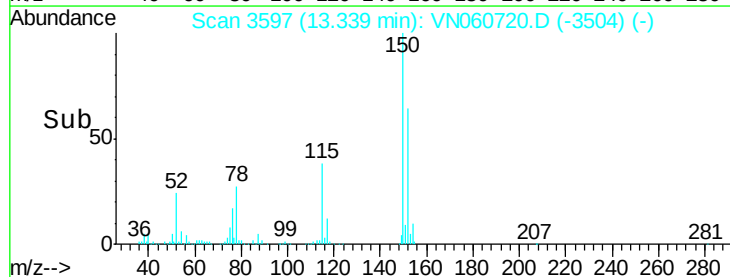
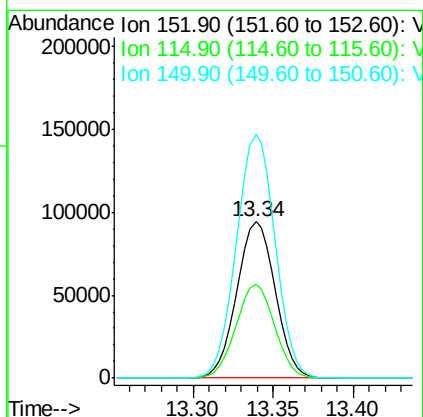
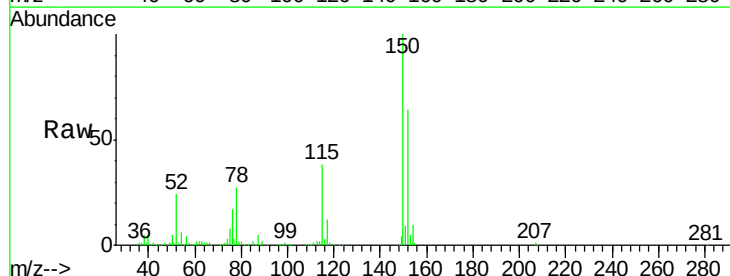
Instrument :
MSVOA_N
ClientSampleId :
EO-01-032420

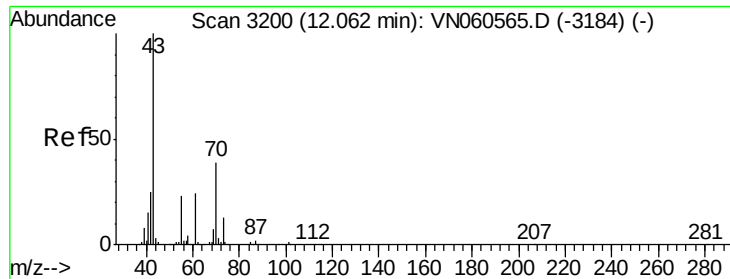
Tgt Ion:173 Resp: 510
Ion Ratio Lower Upper
173 100
175 1587.6 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060720.D
Acq: 26 Mar 2020 17:45

Tgt Ion:152 Resp: 154328
Ion Ratio Lower Upper
152 100
115 60.1 30.2 90.6
150 156.9 0.0 350.2





#74

N-amyI acetate

Concen: 0.699 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060720.D

Acq: 26 Mar 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

EO-01-032420

Tgt Ion: 43 Resp: 3740

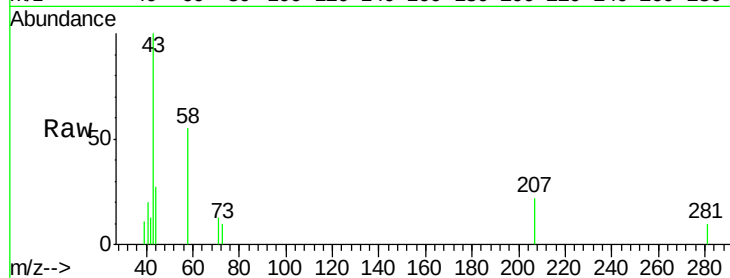
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

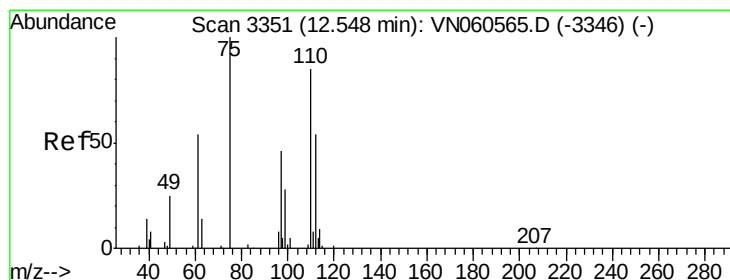
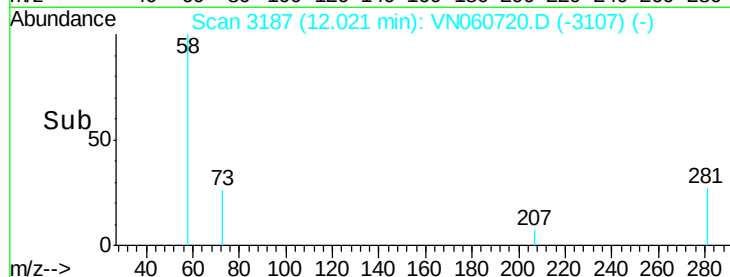
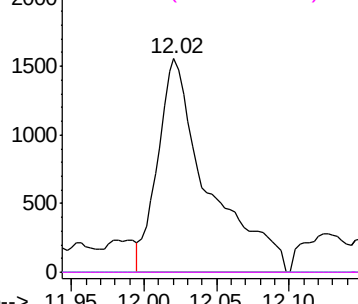


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.277 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060720.D

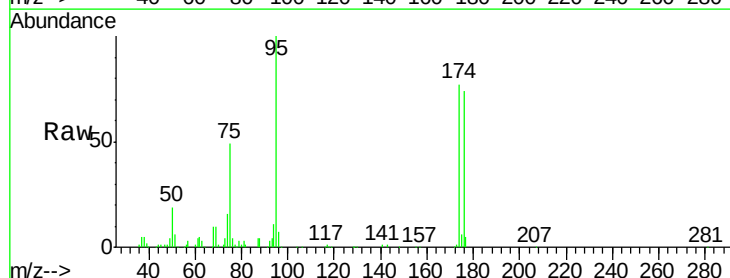
Acq: 26 Mar 2020 17:45

Tgt Ion: 75 Resp: 84174

Ion Ratio Lower Upper

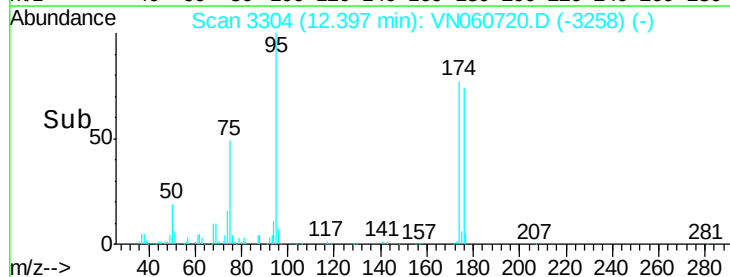
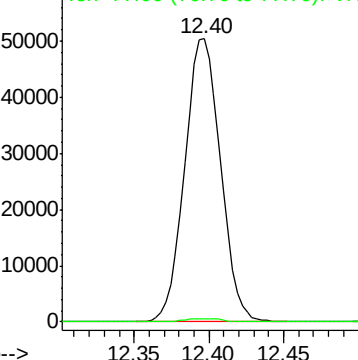
75 100

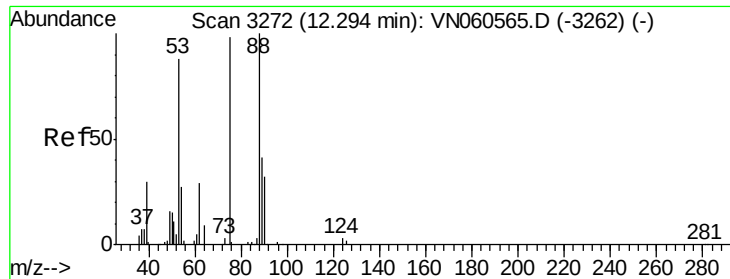
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

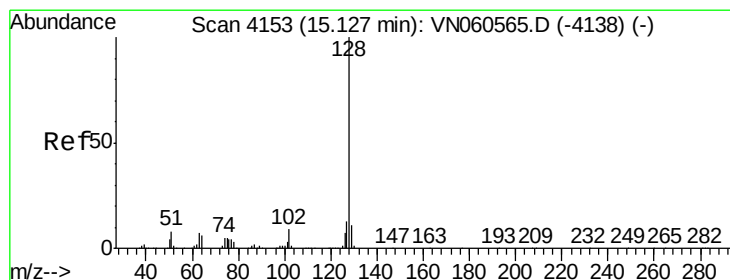
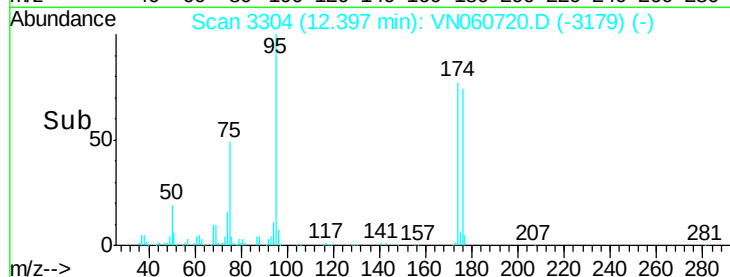
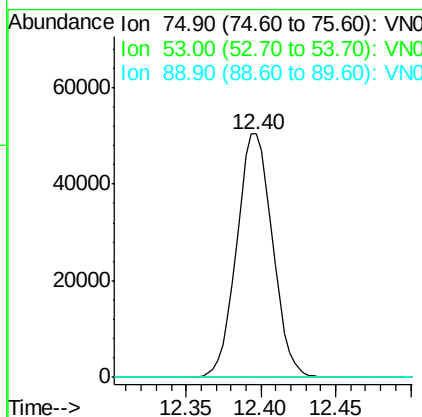
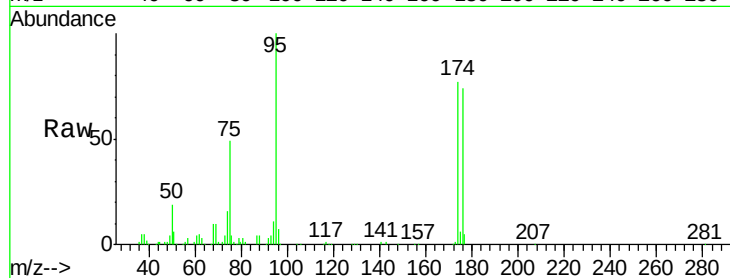




#81
trans-1,4-Dichloro-2-butene
Concen: 64.919 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060720.D
Acq: 26 Mar 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
EO-01-032420

Tgt Ion: 75 Resp: 84174
Ion Ratio Lower Upper
75 100
53 0.0 73.0 109.4#
89 0.0 34.8 52.2#



#95
Naphthalene
Concen: 0.230 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060720.D
Acq: 26 Mar 2020 17:45

Tgt Ion: 128 Resp: 1999
Ion Ratio Lower Upper
128 100
127 4.7 10.2 15.2#
129 0.0 8.8 13.2#

