

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060757.D
 Acq On : 27 Mar 2020 21:24
 Operator : JC/MD
 Sample : L1753-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-032520

Quant Time: Mar 28 02:05:03 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	199926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	332485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142493	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129968	47.36	ug/l	0.00
Spiked Amount						
Recovery						94.72%
35) Dibromofluoromethane	7.56	113	100484	49.98	ug/l	0.00
Spiked Amount						
Recovery						99.96%
50) Toluene-d8	10.08	98	415482	50.60	ug/l	0.00
Spiked Amount						
Recovery						101.20%
62) 4-Bromofluorobenzene	12.40	95	153340	50.95	ug/l	0.00
Spiked Amount						
Recovery						101.90%

Target Compounds

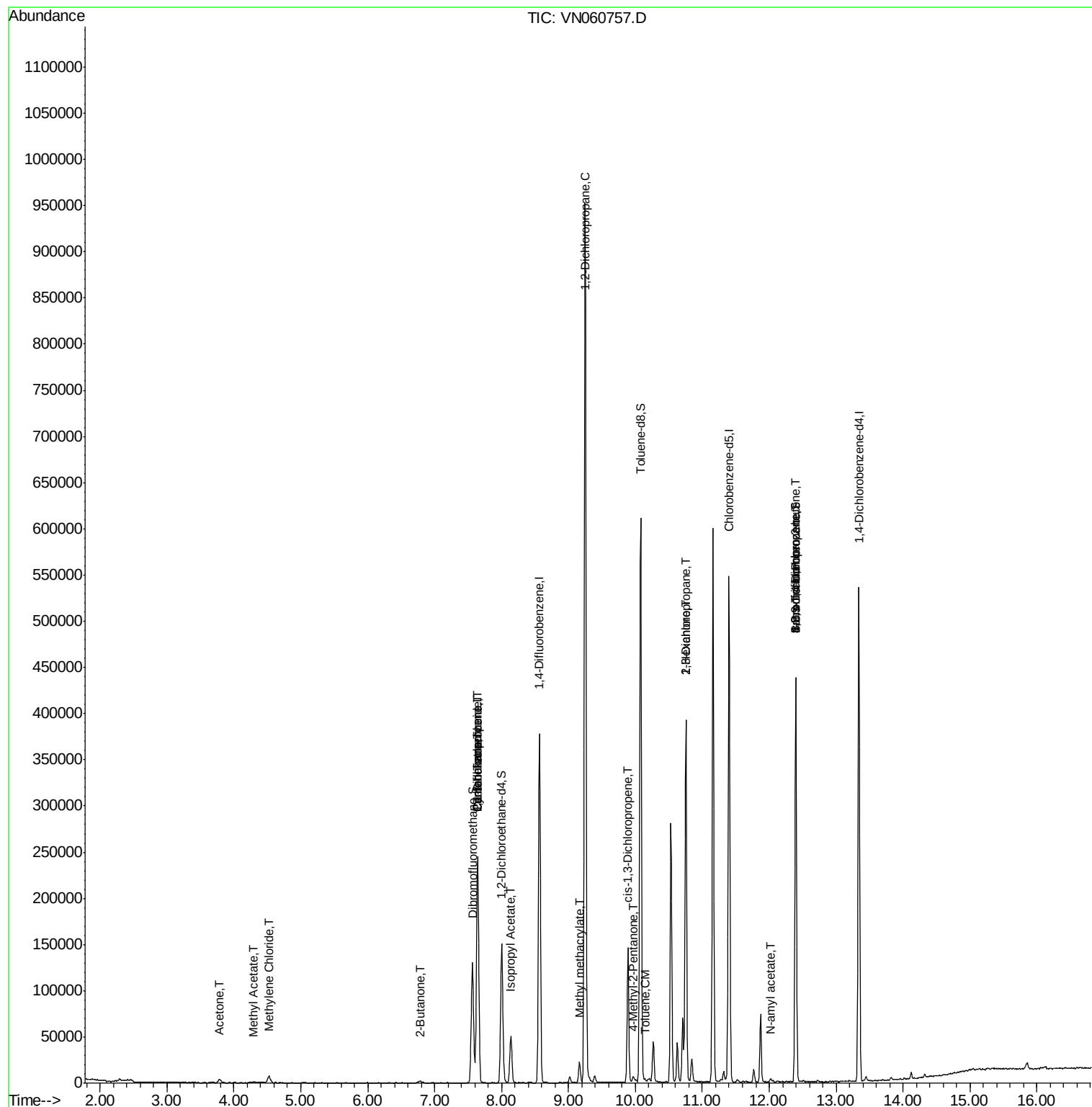
						Qvalue
16) Acetone	3.79	43	7278	7.486	ug/l	94
18) Methyl Acetate	4.29	43	987	0.361	ug/l #	60
20) Methylene Chloride	4.52	84	5591	2.338	ug/l	96
25) 2-Butanone	6.80	43	467	0.297	ug/l #	50
31) Cyclohexane	7.64	56	3962	0.896	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15882	4.933	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18757	6.500	ug/l #	17
43) Isopropyl Acetate	8.14	43	60624	10.567	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1247	0.486	ug/l #	43
48) Methyl methacrylate	9.16	41	3227	1.263	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4536	1.389	ug/l	94
52) Toluene	10.14	92	1456	0.248	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	25312	6.235	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	4045	1.032	ug/l #	42
59) 2-Hexanone	10.75	43	59526	25.312	ug/l #	52
71) Bromoform	12.39	173	308	1.840	ug/l #	1
74) N-amyl acetate	12.02	43	3571	0.723	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	77516	25.211	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77516	64.749	ug/l #	13

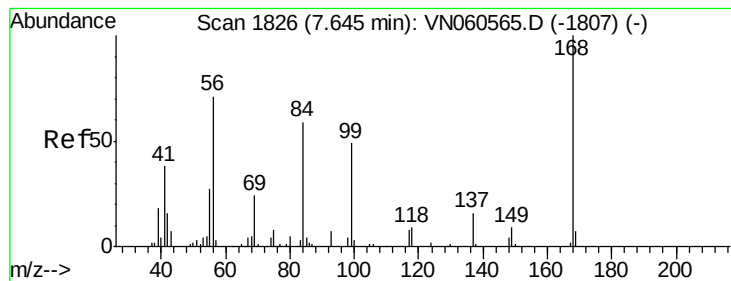
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

Instrument :

MSVOA_N

ClientSampleId :

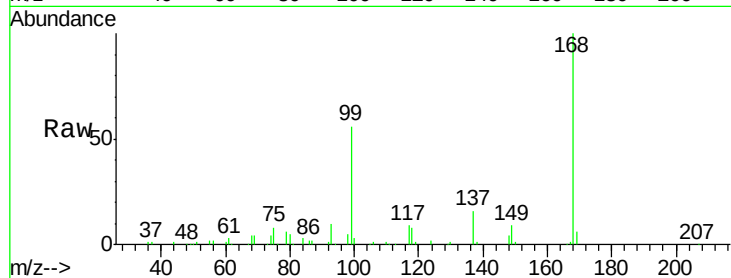
CL-02-032520

Tgt Ion:168 Resp: 199926

Ion Ratio Lower Upper

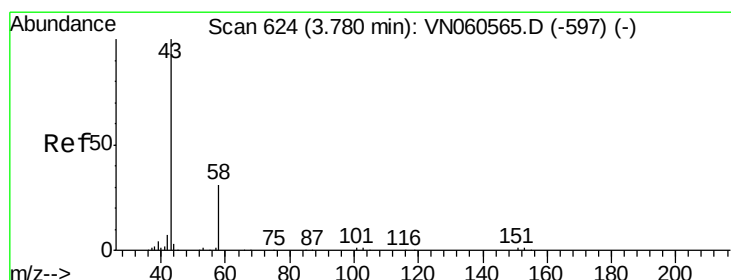
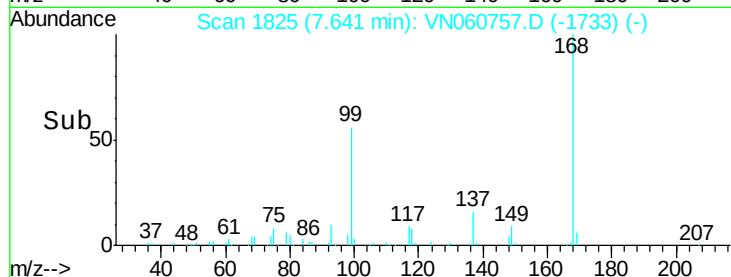
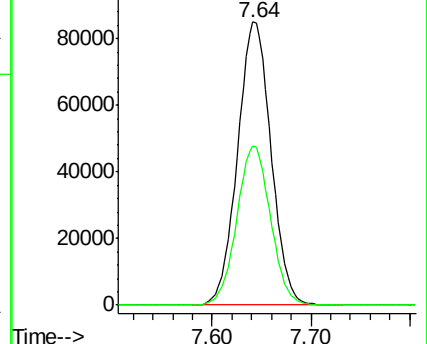
168 100

99 56.5 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: 7.486 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060757.D

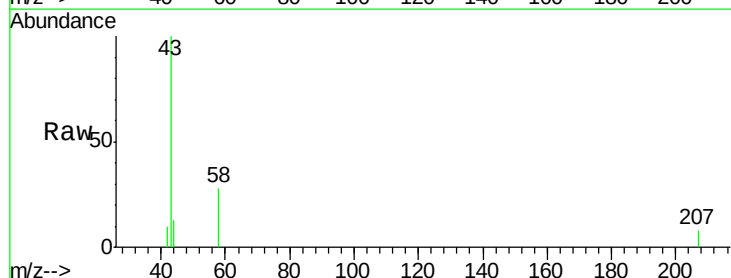
Acq: 27 Mar 2020 21:24

Tgt Ion: 43 Resp: 7278

Ion Ratio Lower Upper

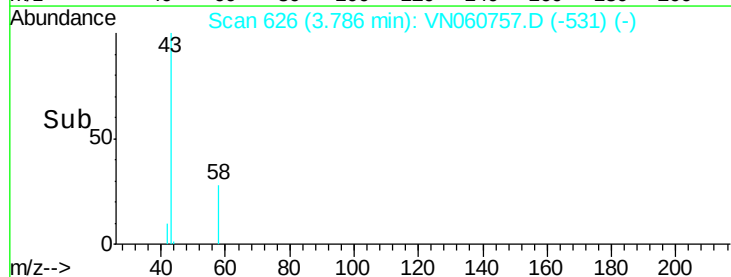
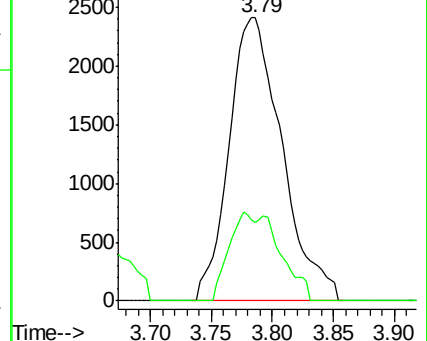
43 100

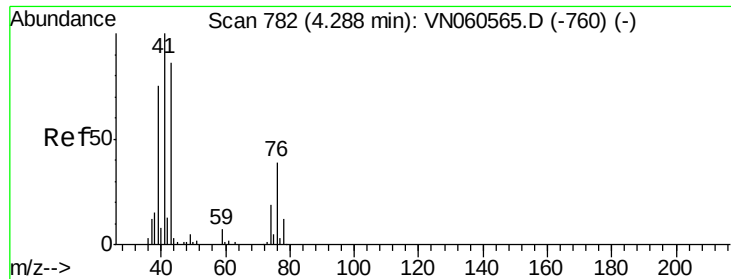
58 27.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

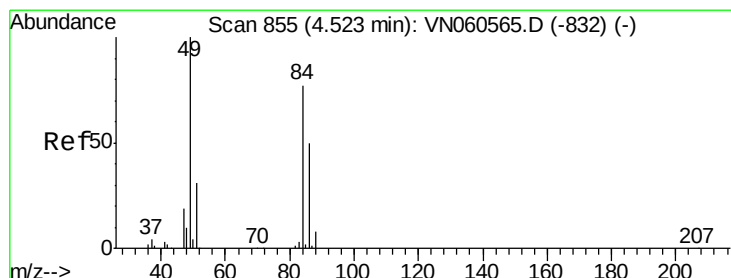
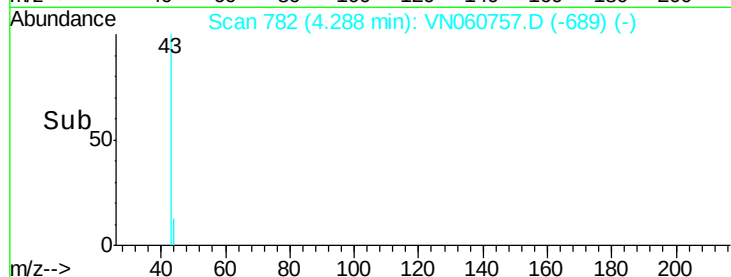
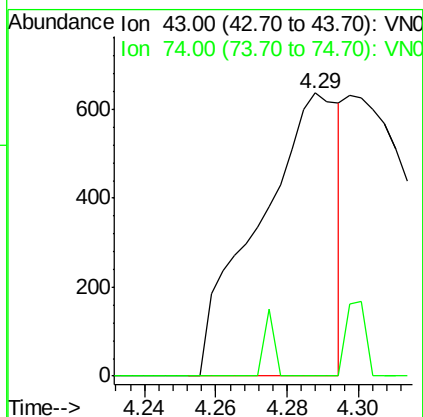
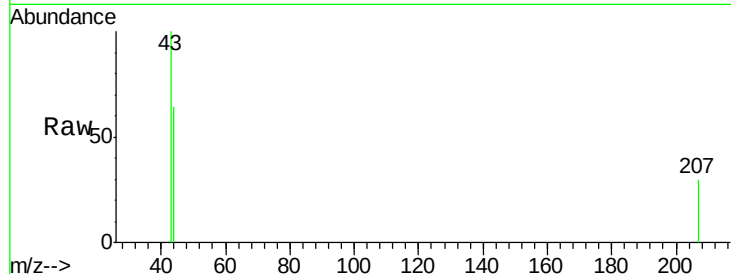




#18
Methyl Acetate
Concen: 0.361 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060757.D
Acq: 27 Mar 2020 21:24

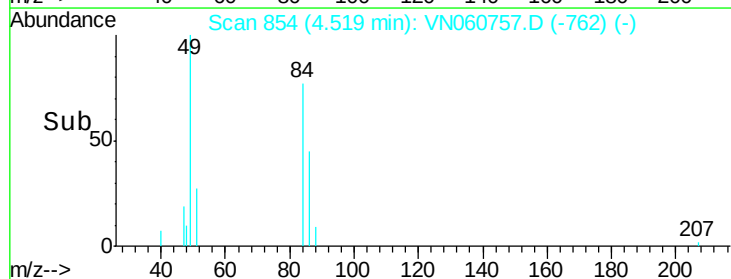
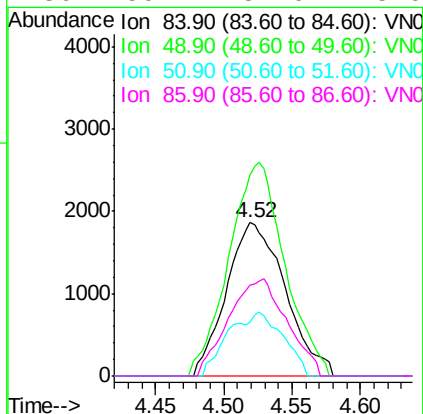
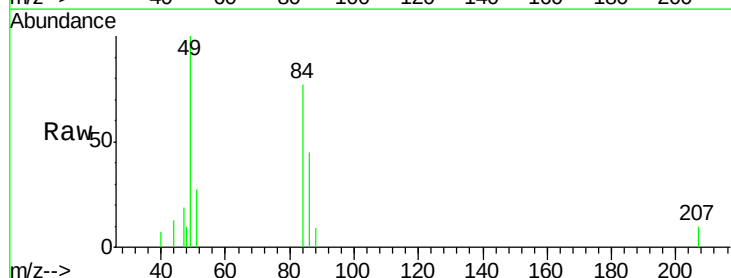
Instrument :
MSVOA_N
ClientSampleId :
CL-02-032520

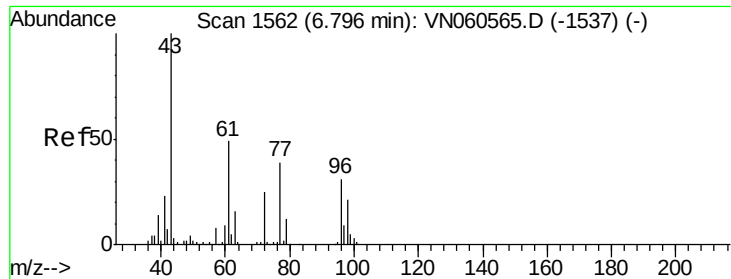
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
74 2.9 17.5 26.3#



#20
Methylene Chloride
Concen: 2.338 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060757.D
Acq: 27 Mar 2020 21:24

Tgt Ion: 84 Resp: 5591
Ion Ratio Lower Upper
84 100
49 130.7 103.3 154.9
51 35.3 31.6 47.4
86 59.2 52.0 78.0

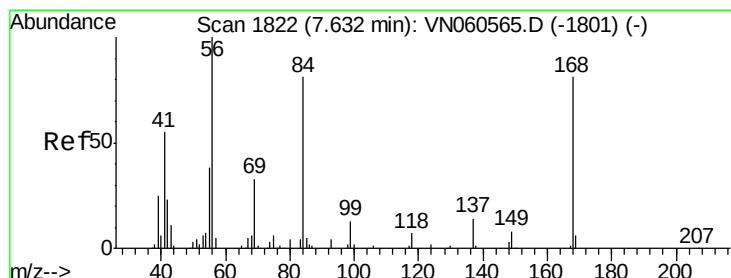
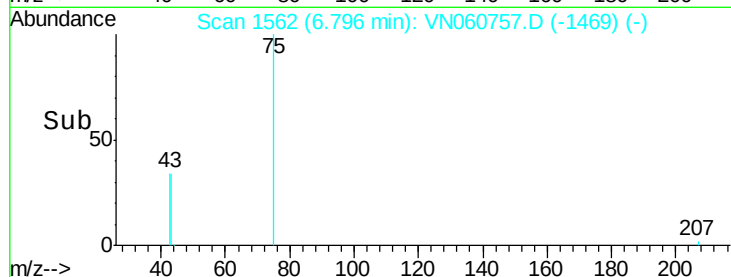
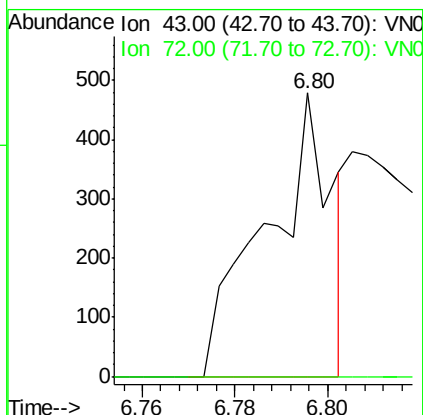
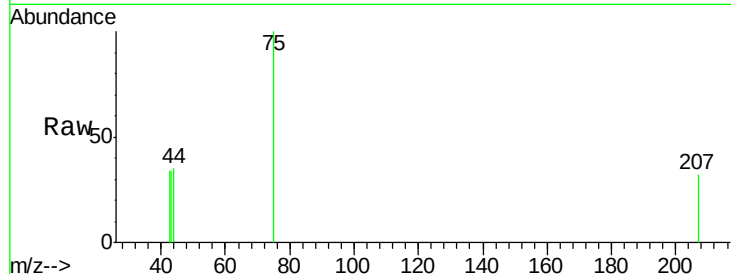




#25
2-Butanone
Concen: 0.297 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060757.D
Acq: 27 Mar 2020 21:24

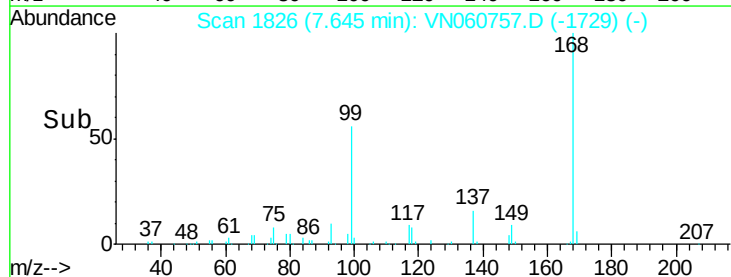
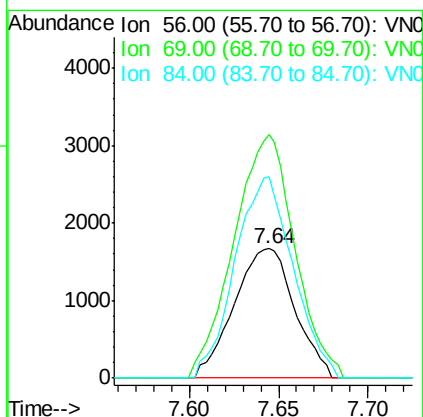
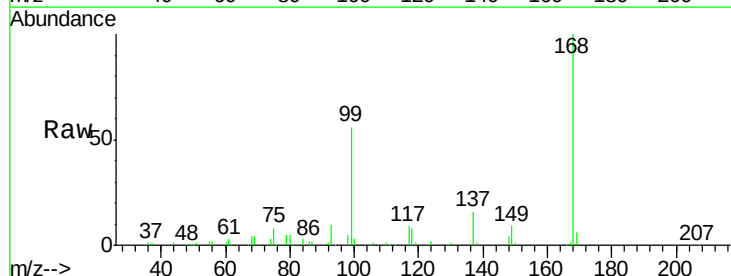
Instrument :
MSVOA_N
ClientSampled :
CL-02-032520

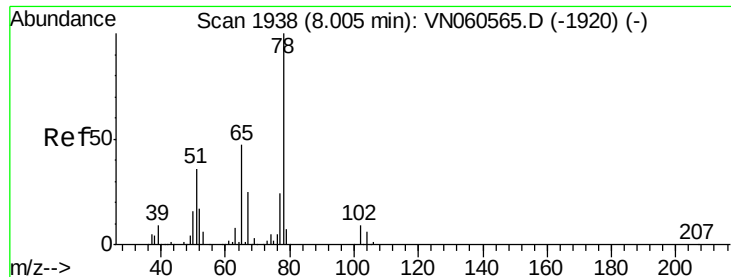
Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.896 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060757.D
Acq: 27 Mar 2020 21:24

Tgt Ion: 56 Resp: 3962
Ion Ratio Lower Upper
56 100
69 188.3 26.6 40.0#
84 156.0 64.3 96.5#

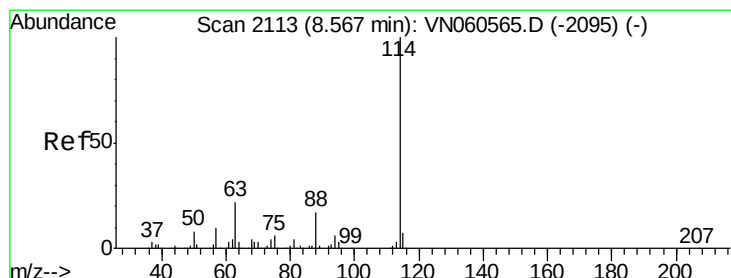
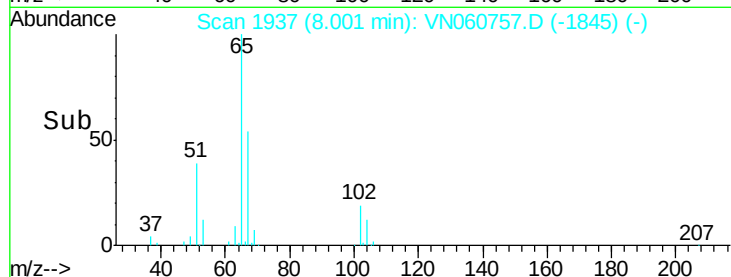
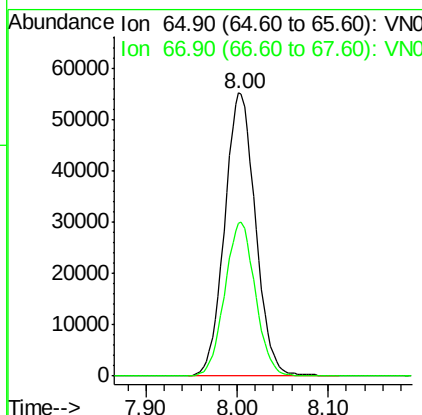
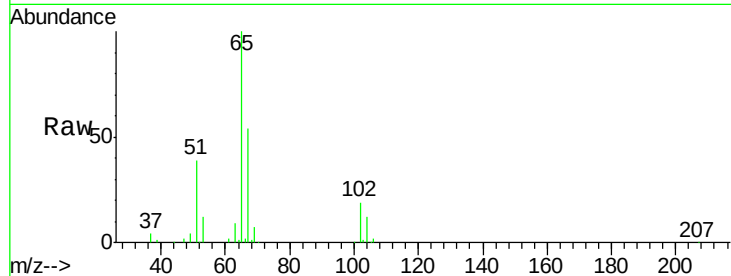




#33
 1,2-Dichloroethane-d4
 Concen: 47.355 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060757.D
 Acq: 27 Mar 2020 21:24

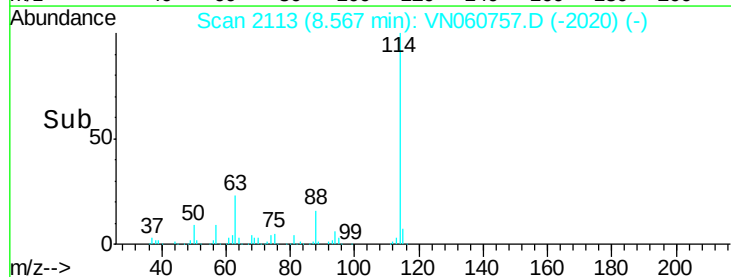
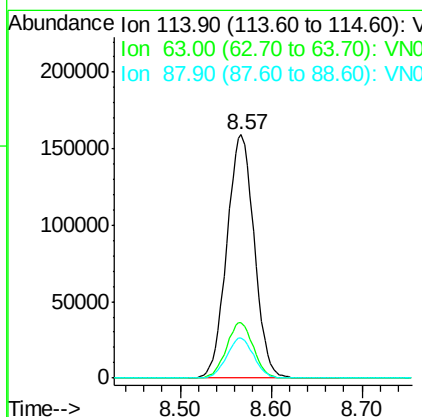
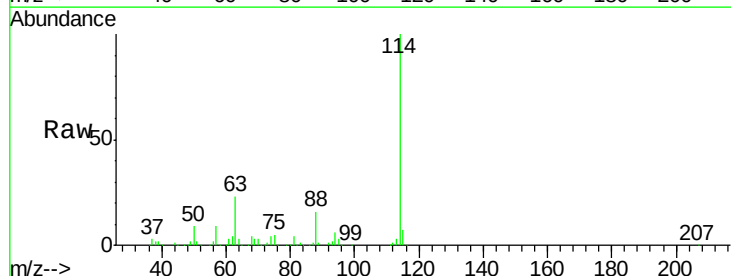
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-032520

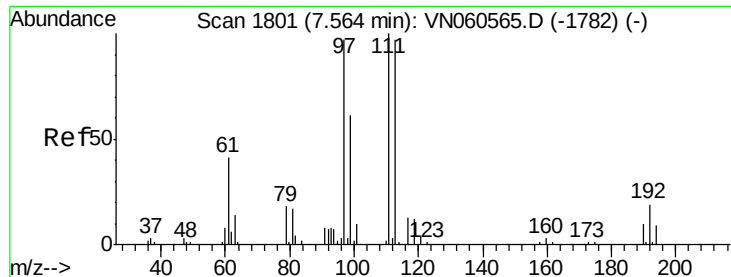
Tgt Ion: 65 Resp: 129968
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060757.D
 Acq: 27 Mar 2020 21:24

Tgt Ion: 114 Resp: 332485
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 16.3 0.0 33.0

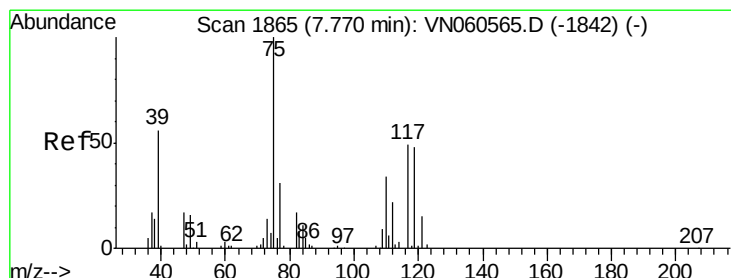
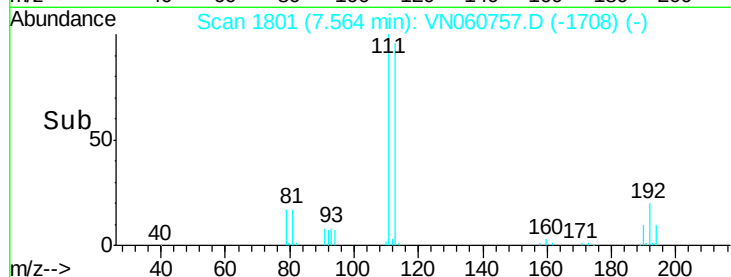
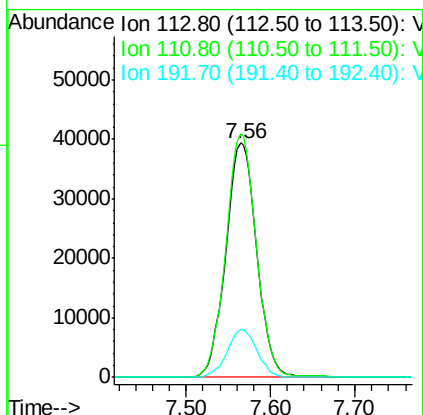
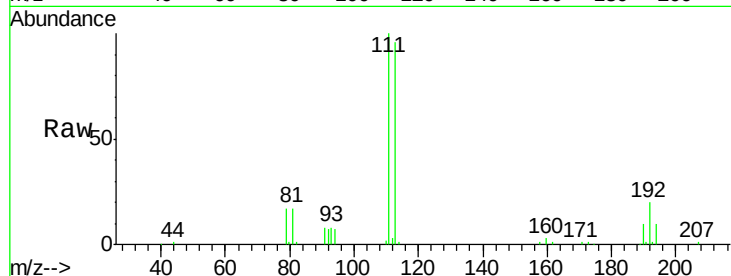




#35
Dibromofluoromethane
Concen: 49.981 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN060757.D
Acq: 27 Mar 2020 21:24

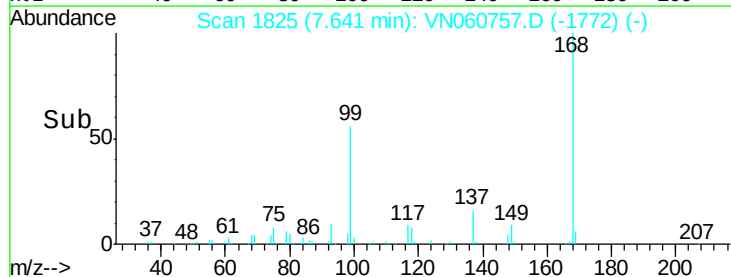
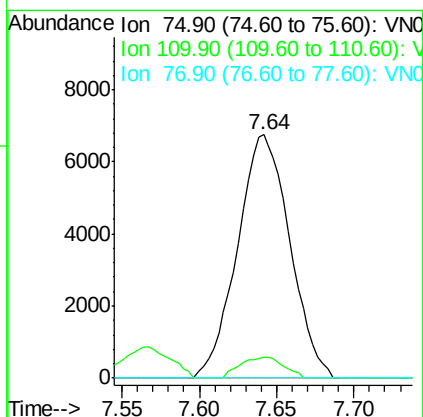
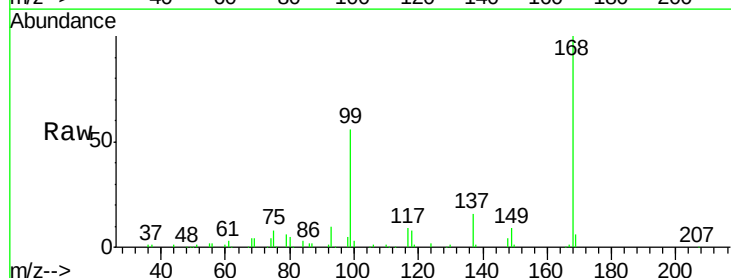
Instrument :
MSVOA_N
ClientSampled :
CL-02-032520

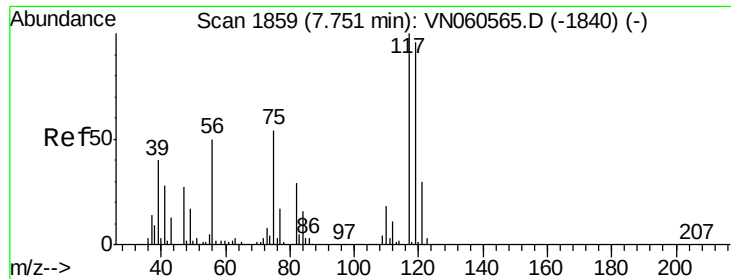
Tgt Ion:113 Resp: 100484
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 19.7 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.933 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN060757.D
Acq: 27 Mar 2020 21:24

Tgt Ion: 75 Resp: 15882
Ion Ratio Lower Upper
75 100
110 7.0 16.9 50.6#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.500 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

Instrument :

MSVOA_N

ClientSampled :

CL-02-032520

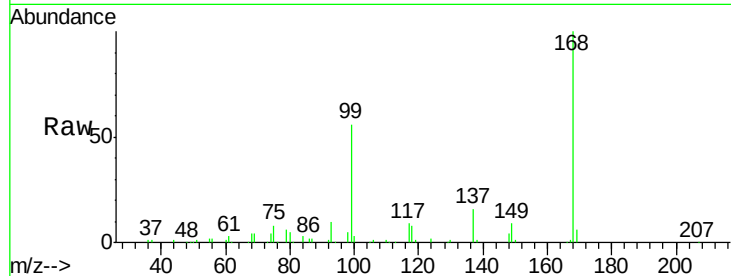
Tgt Ion:117 Resp: 18757

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

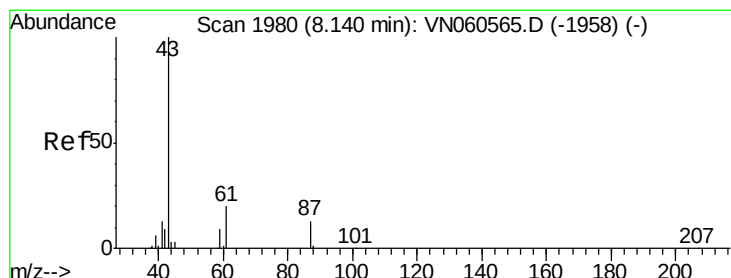
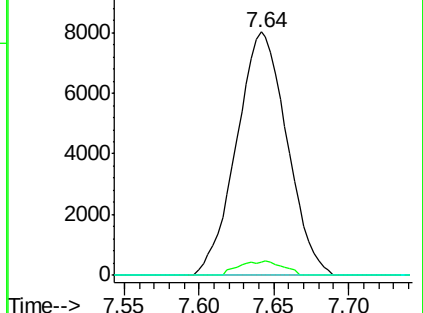
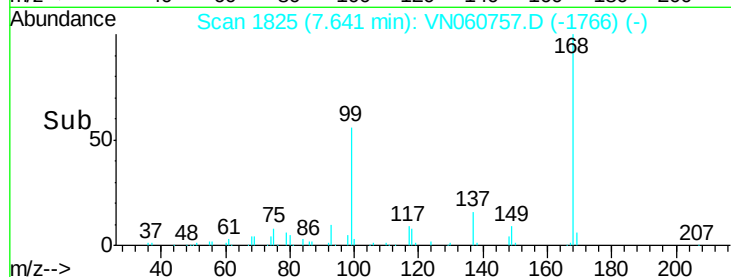
121 0.0 23.7 35.5#



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: 10.567 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

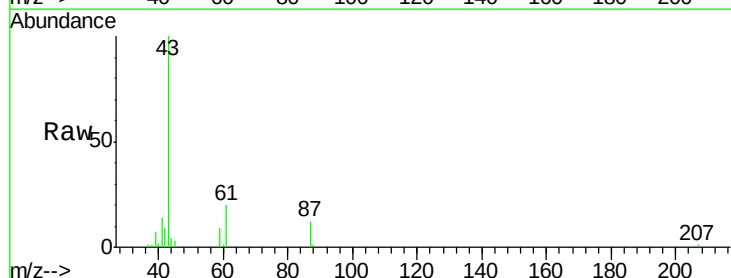
Tgt Ion: 43 Resp: 60624

Ion Ratio Lower Upper

43 100

61 19.7 20.7 31.1#

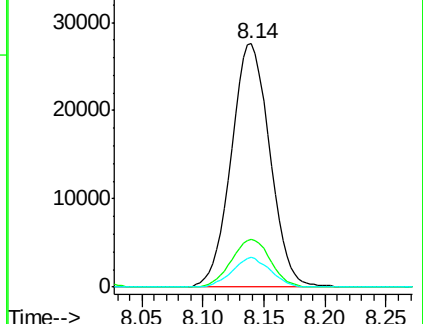
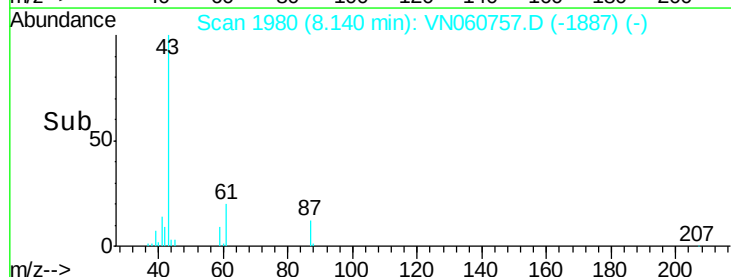
87 11.9 9.8 14.8

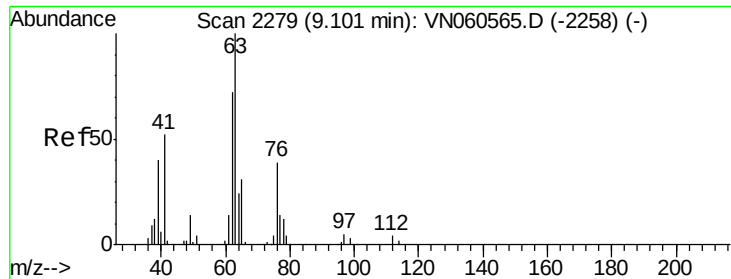


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

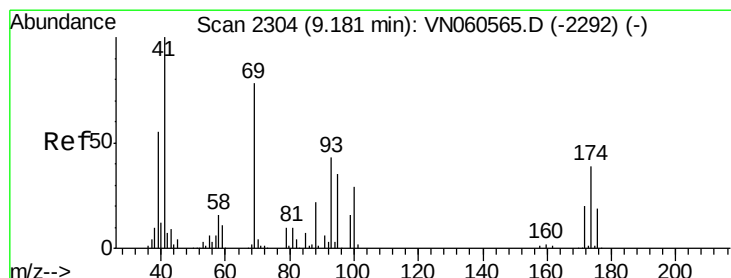
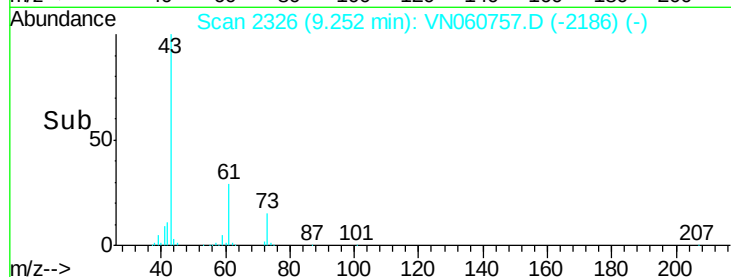
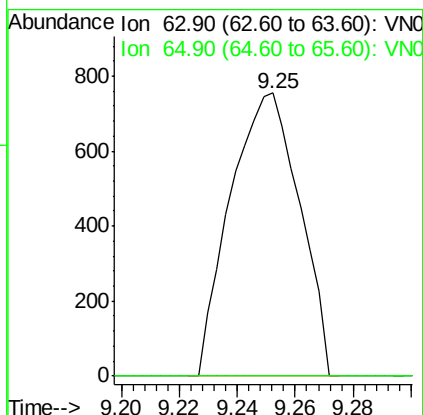
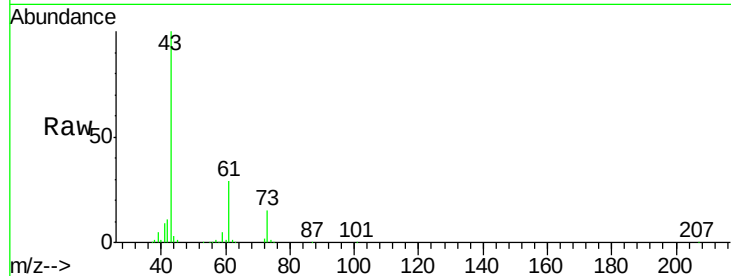




#45
 1,2-Dichloropropane
 Concen: 0.486 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060757.D
 Acq: 27 Mar 2020 21:24

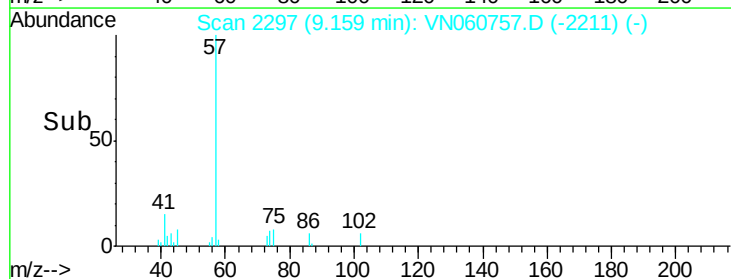
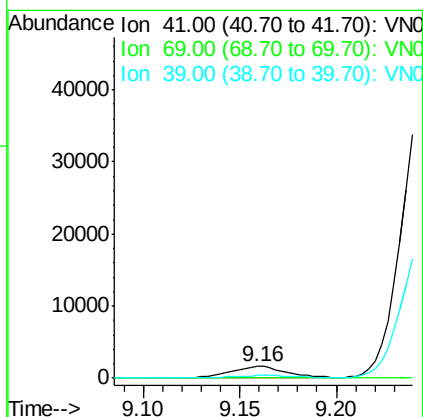
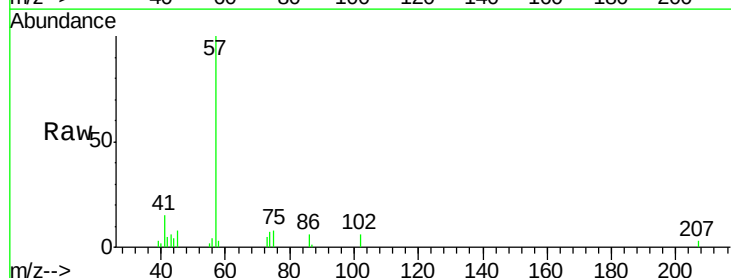
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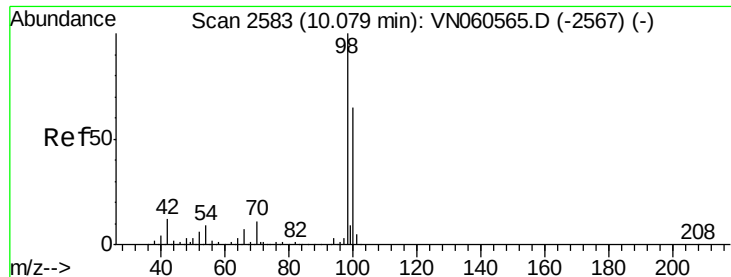
Tgt Ion: 63 Resp: 1247
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.263 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060757.D
 Acq: 27 Mar 2020 21:24

Tgt Ion: 41 Resp: 3227
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.596 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

Instrument :

MSVOA_N

ClientSampled :

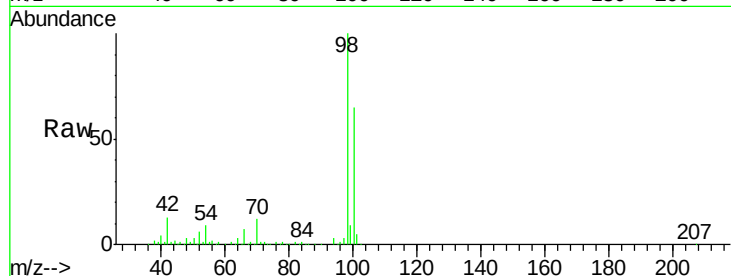
CL-02-032520

Tgt Ion: 98 Resp: 415482

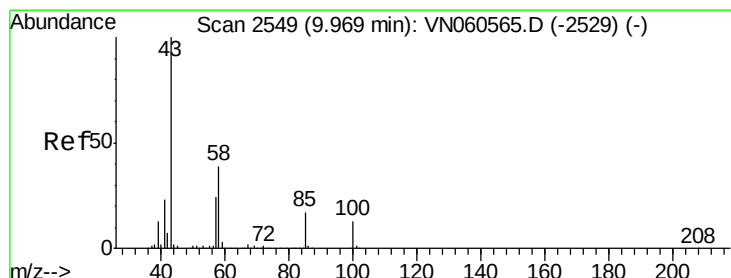
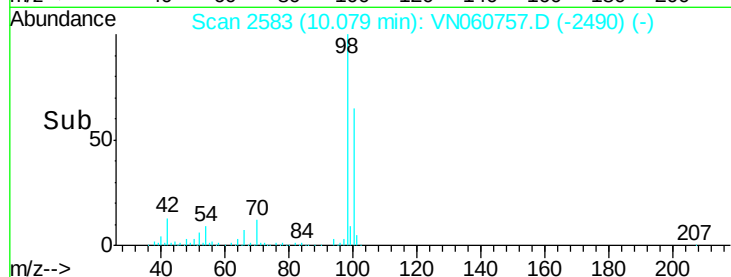
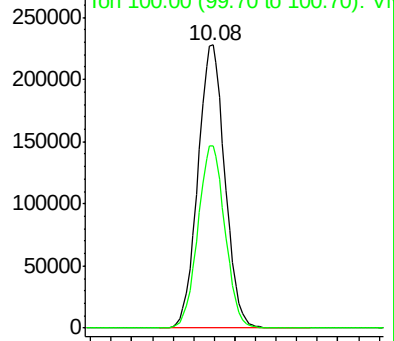
Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060565.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.389 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060757.D

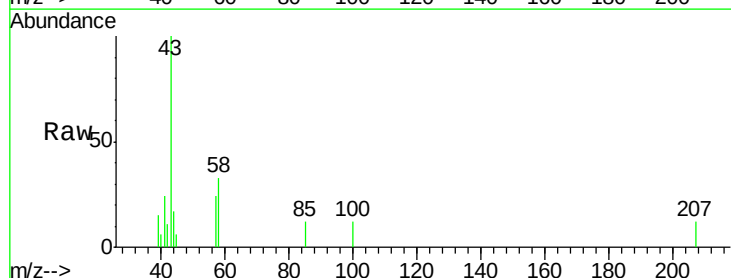
Acq: 27 Mar 2020 21:24

Tgt Ion: 43 Resp: 4536

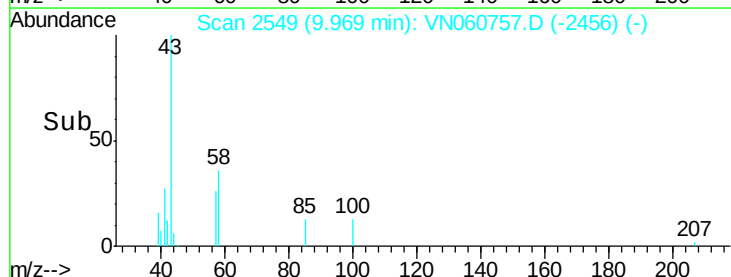
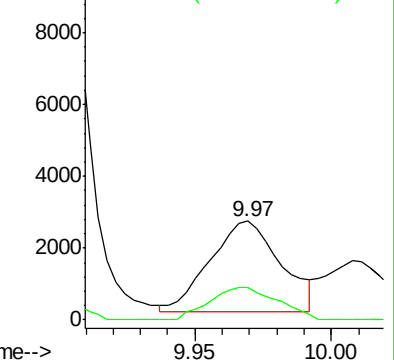
Ion Ratio Lower Upper

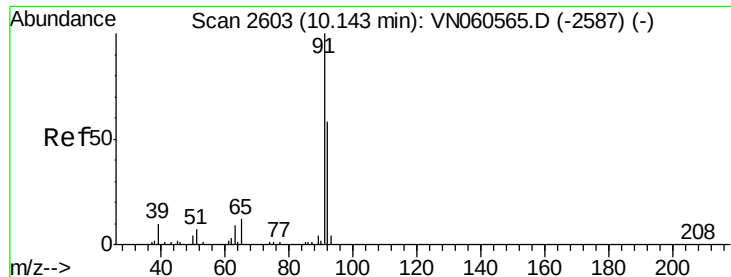
43 100

58 34.7 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)





#52

Toluene

Concen: 0.248 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

Instrument :

MSVOA_N

ClientSampled :

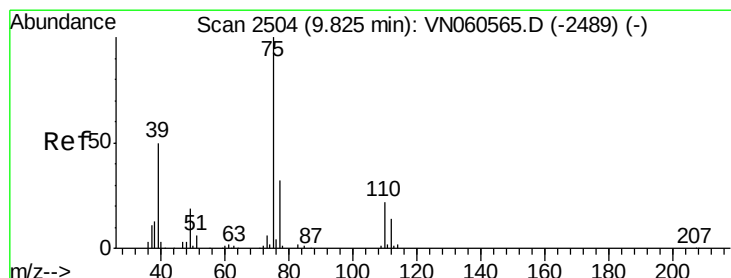
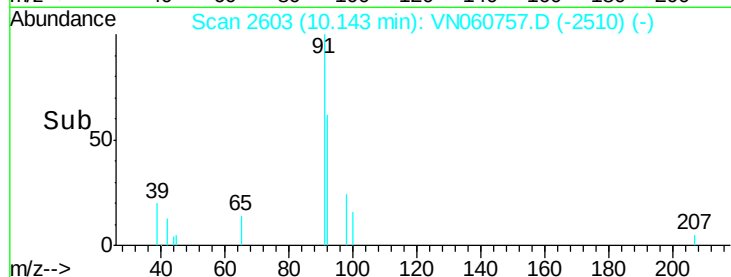
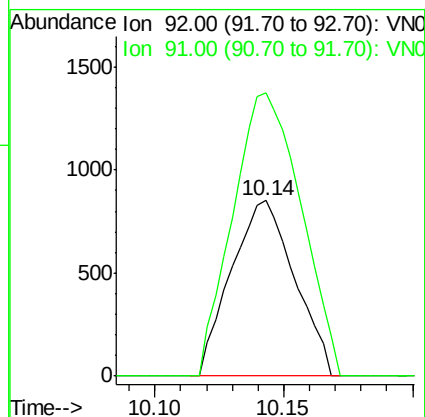
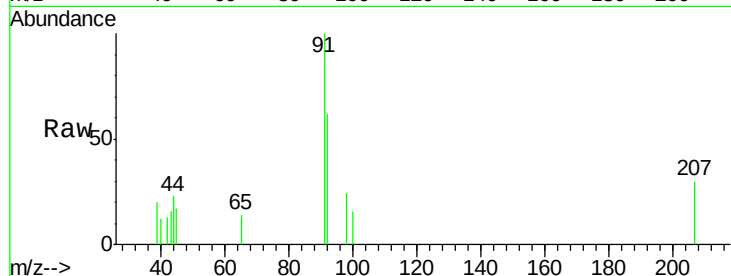
CL-02-032520

Tgt Ion: 92 Resp: 1456

Ion Ratio Lower Upper

92 100

91 174.0 137.6 206.4



#54

cis-1,3-Dichloropropene

Concen: 6.235 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

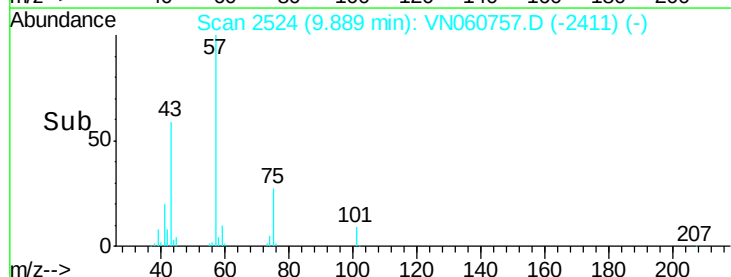
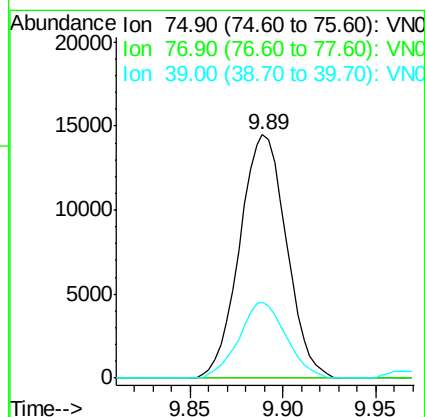
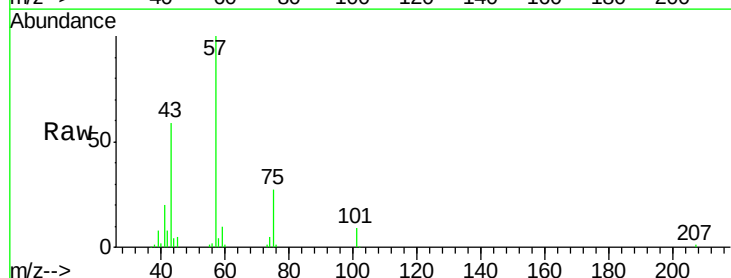
Tgt Ion: 75 Resp: 25312

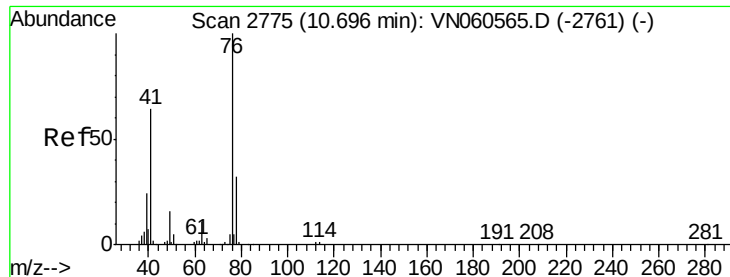
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 31.4 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 1.032 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

Instrument :

MSVOA_N

ClientSampled :

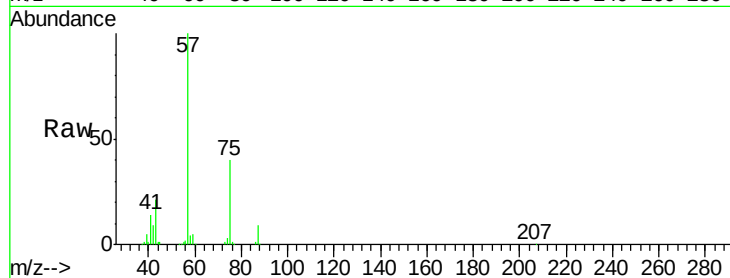
CL-02-032520

Tgt Ion: 76 Resp: 4045

Ion Ratio Lower Upper

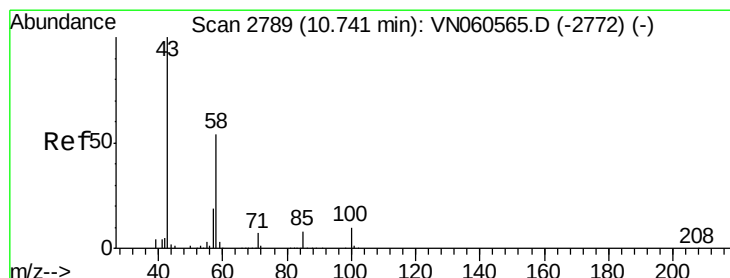
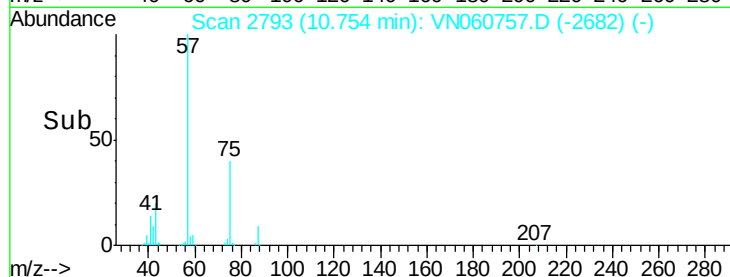
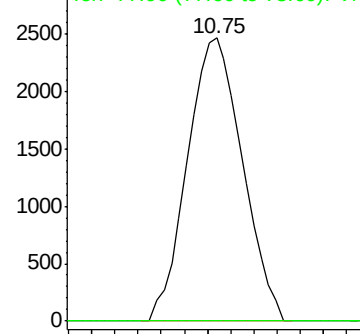
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 25.312 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060757.D

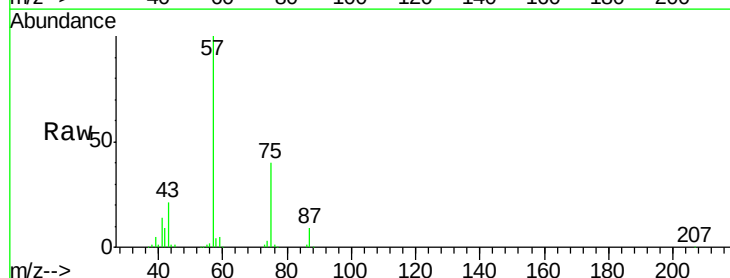
Acq: 27 Mar 2020 21:24

Tgt Ion: 43 Resp: 59526

Ion Ratio Lower Upper

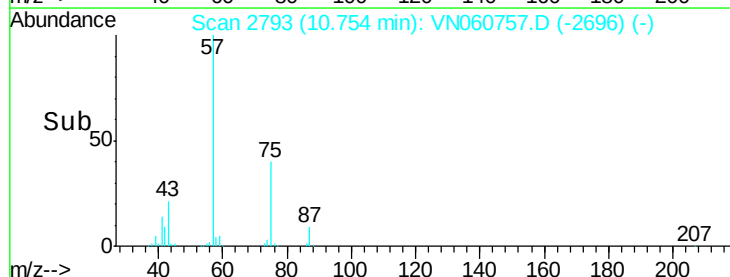
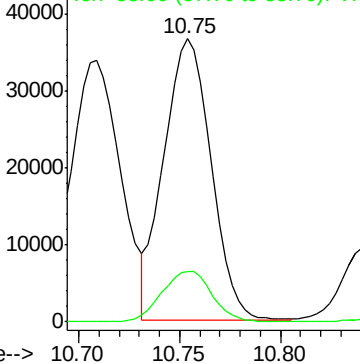
43 100

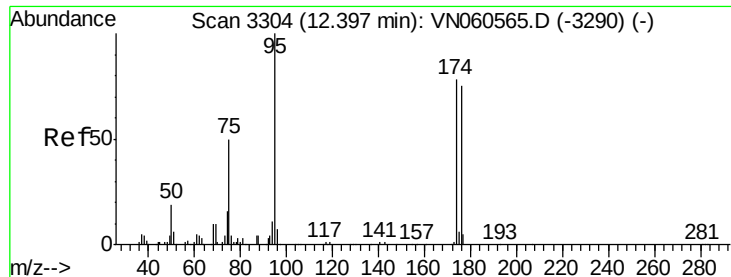
58 18.9 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.952 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

Instrument :

MSVOA_N

ClientSampleId :

CL-02-032520

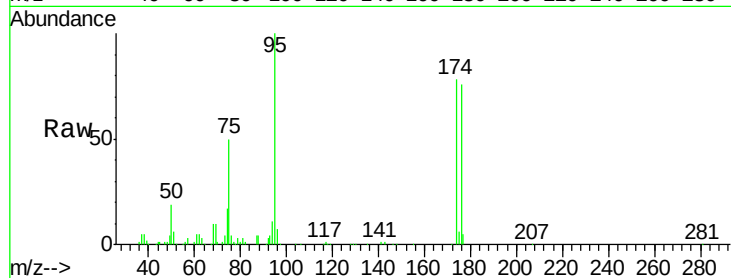
Tgt Ion: 95 Resp: 153340

Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.6

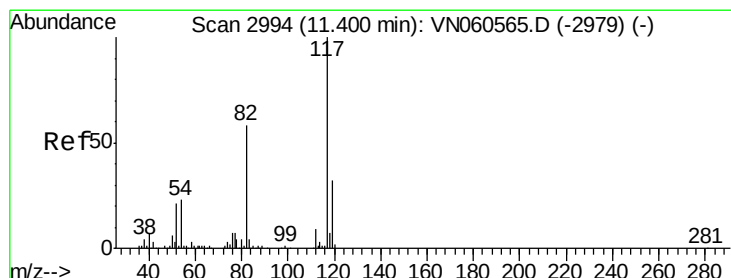
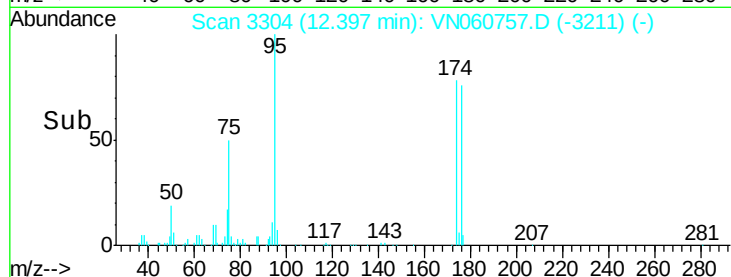
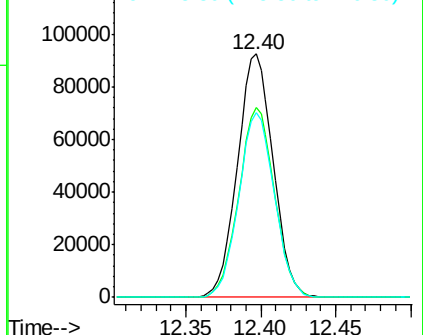
176 75.8 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060757.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060757.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060757.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

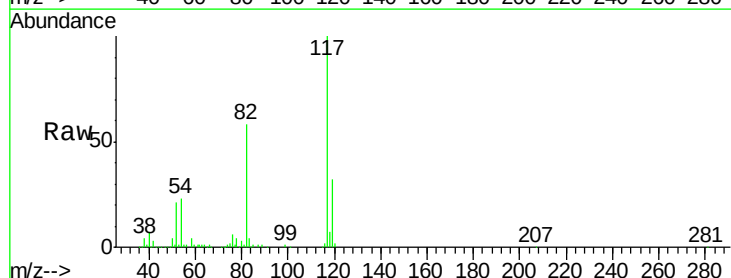
Tgt Ion: 117 Resp: 313723

Ion Ratio Lower Upper

117 100

82 58.5 46.7 70.1

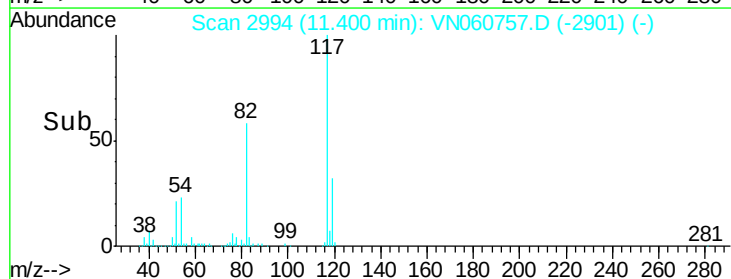
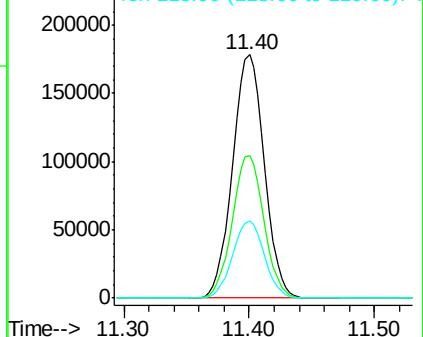
119 31.8 25.5 38.3

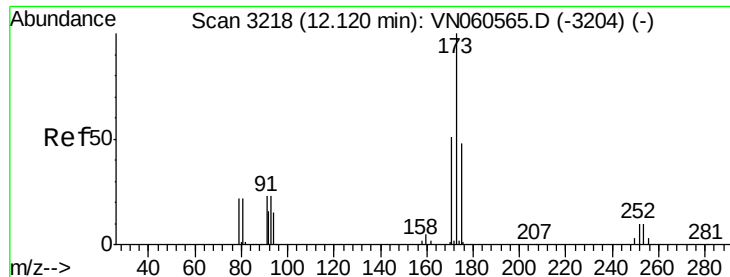


Abundance Ion 116.90 (116.60 to 117.60): VN060757.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060757.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060757.D (-2979) (-)





#71

Bromoform

Concen: 1.840 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.27 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

Instrument :

MSVOA_N

ClientSampleId :

CL-02-032520

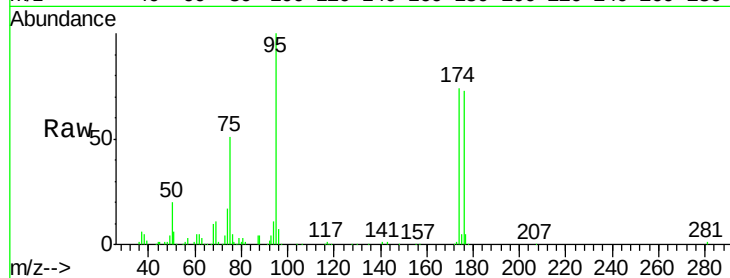
Tgt Ion:173 Resp: 308

Ion Ratio Lower Upper

173 100

175 2443.2 24.1 72.4#

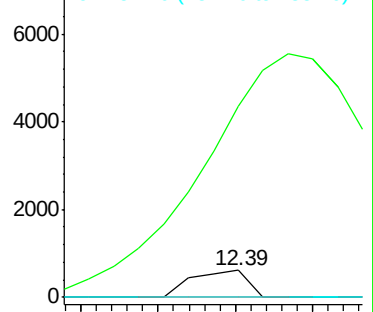
254 0.0 0.0 0.0



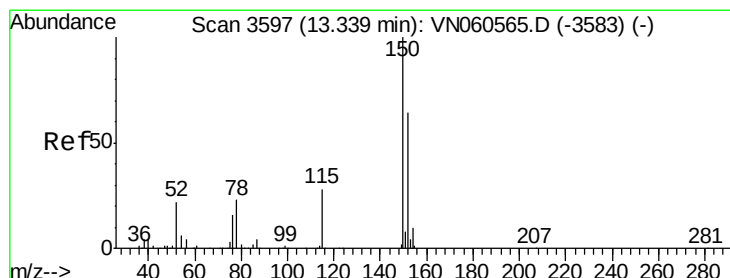
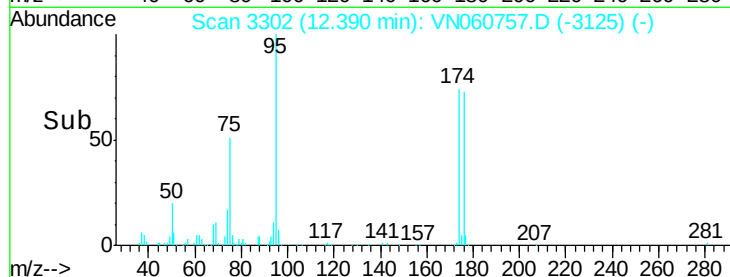
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time--> 12.37 12.38 12.39 12.40



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

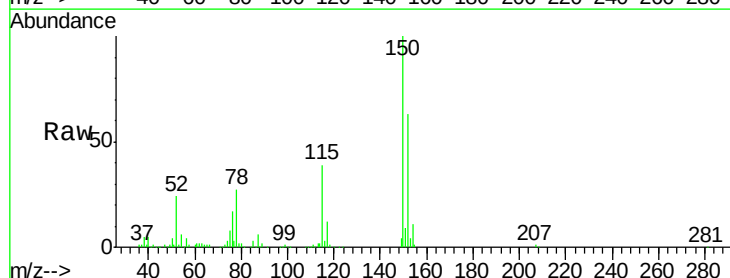
Tgt Ion:152 Resp: 142493

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

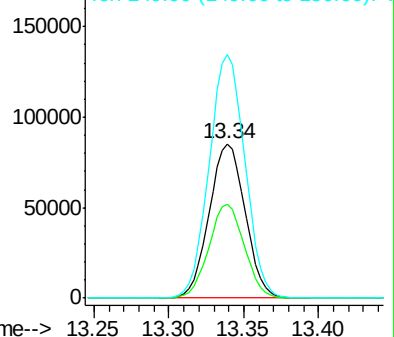
150 157.5 0.0 350.2



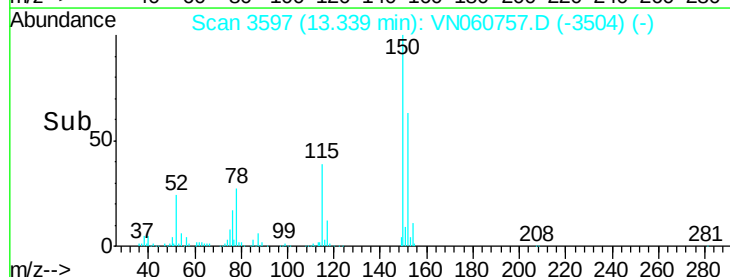
Abundance Ion 151.90 (151.60 to 152.60): V

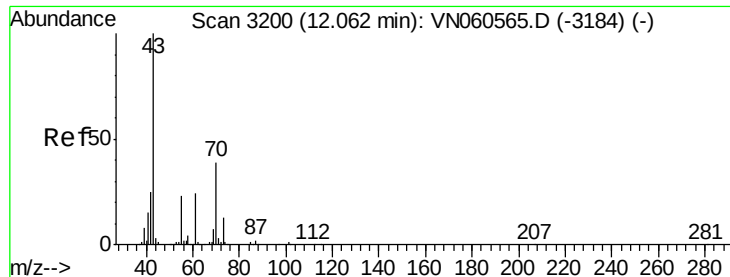
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 13.25 13.30 13.35 13.40





#74

N-ethyl acetate

Concen: 0.723 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

Instrument :

MSVOA_N

ClientSampleId :

CL-02-032520

Tgt Ion: 43 Resp: 3571

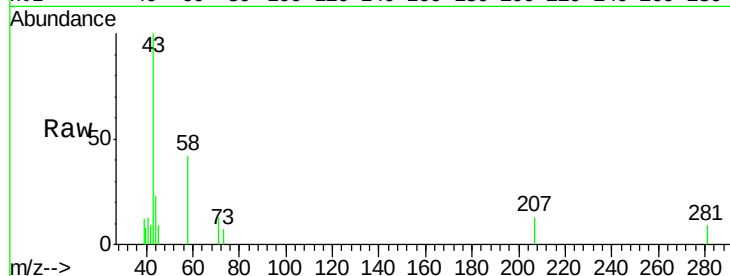
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

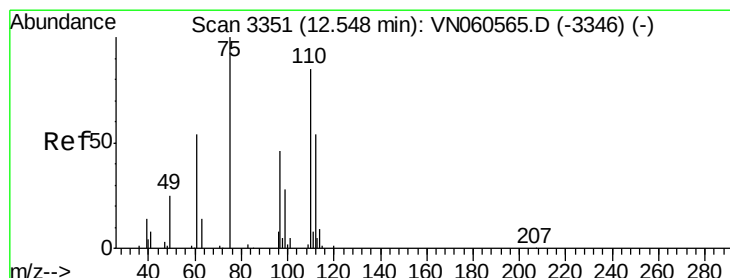
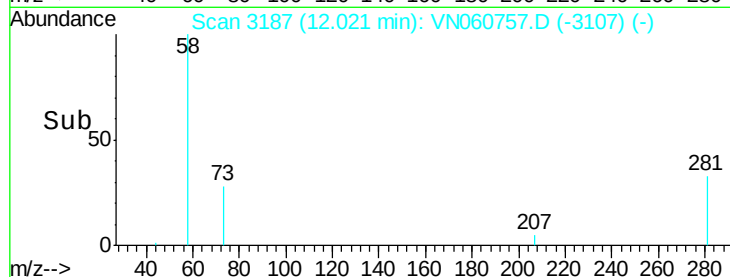
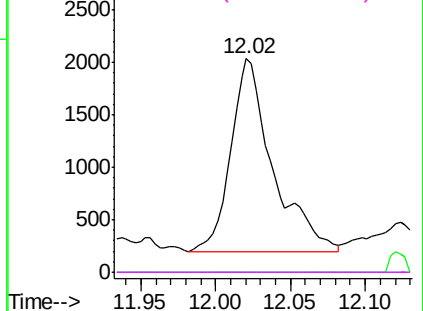


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.211 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060757.D

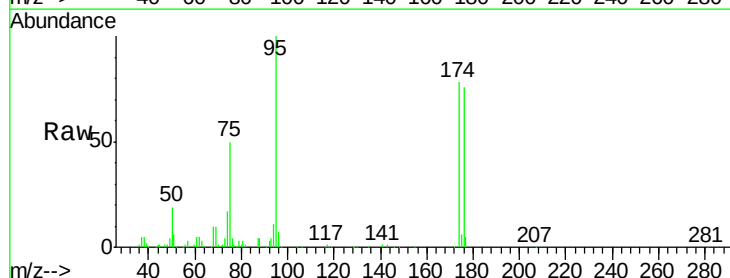
Acq: 27 Mar 2020 21:24

Tgt Ion: 75 Resp: 77516

Ion Ratio Lower Upper

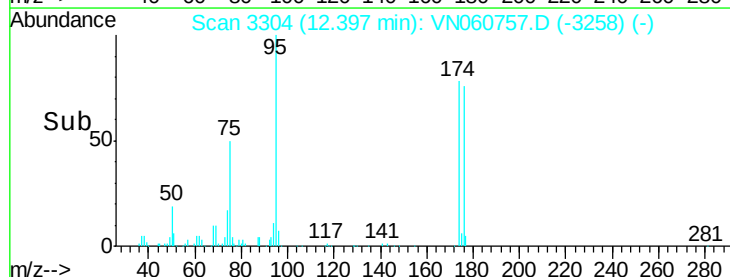
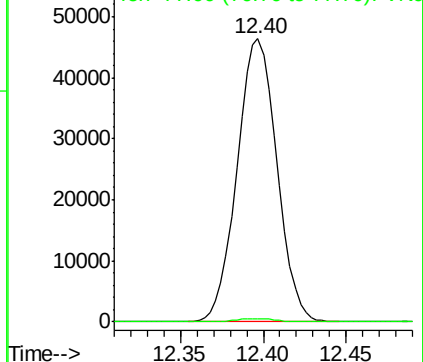
75 100

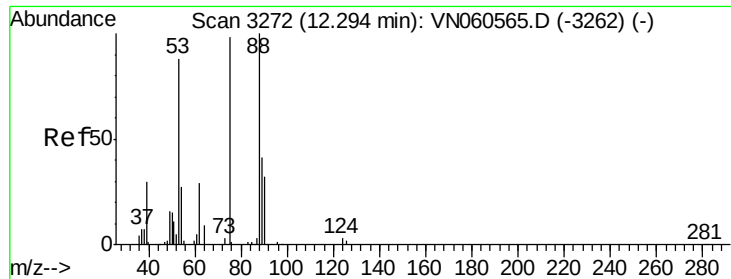
77 1.1 0.0 0.0#



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: 64.749 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060757.D

Acq: 27 Mar 2020 21:24

Instrument :

MSVOA_N

ClientSampleId :

CL-02-032520

Tgt Ion: 75 Resp: 77516

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

