

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
 Data File : VN062955.D
 Acq On : 15 Aug 2020 00:10
 Operator : JC/MD
 Sample : L3502-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-081320

Quant Time: Aug 17 09:32:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	182096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	328991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	355048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132934	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	152768	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	7.55	113	113399	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	10.06	98	441186	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.38	95	158734	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	

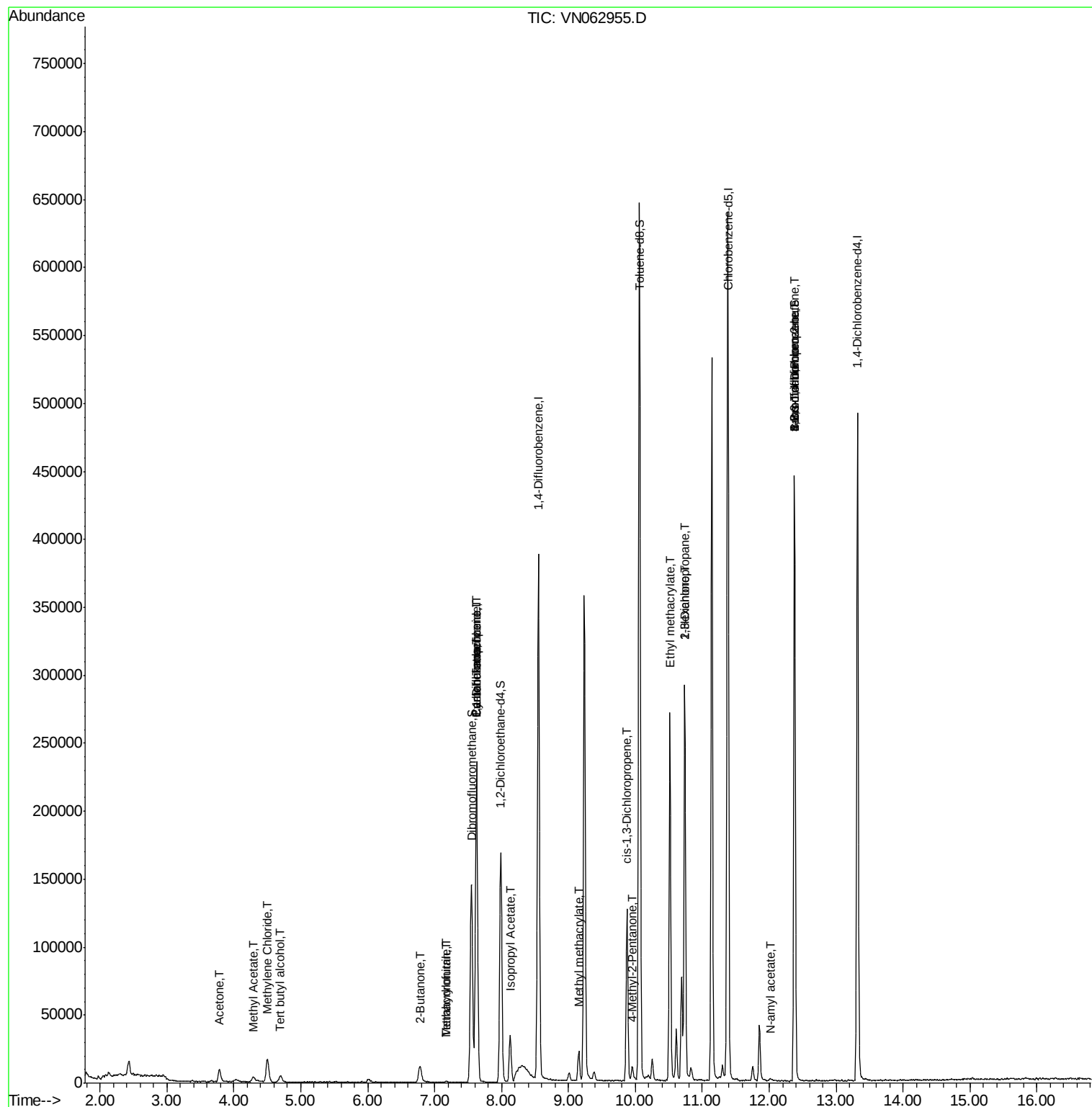
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	4815	9.756	ug/l #	72
16) Acetone	3.79	43	15803	14.524	ug/l #	87
17) Carbon Disulfide	4.00	76	411	Below Cal	#	74
18) Methyl Acetate	4.28	43	7831	1.958	ug/l #	74
20) Methylene Chloride	4.51	84	12402	5.552	ug/l	92
25) 2-Butanone	6.80	43	3610	2.343	ug/l #	49
29) Tetrahydrofuran	7.18	42	488	0.487	ug/l #	38
31) Cyclohexane	7.63	56	4103	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15819	4.938	ug/l #	48
38) Carbon Tetrachloride	7.63	117	17973	4.744	ug/l #	14
41) Methacrylonitrile	7.17	41	312	0.207	ug/l #	6
43) Isopropyl Acetate	8.13	43	39732	7.119	ug/l	98
48) Methyl methacrylate	9.15	41	3788	1.380	ug/l #	13
51) 4-Methyl-2-Pentanone	9.96	43	6953	1.925	ug/l	100
54) cis-1,3-Dichloropropene	9.88	75	21165	5.034	ug/l #	64
56) Ethyl methacrylate	10.52	69	1802	0.475	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2617	0.611	ug/l #	43
59) 2-Hexanone	10.74	43	43444	16.127	ug/l #	54
71) Bromoform	12.38	173	1110	0.455	ug/l #	1
74) N-amyl acetate	12.01	43	1280	0.316	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	81148	22.635	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	81148	69.098	ug/l #	10

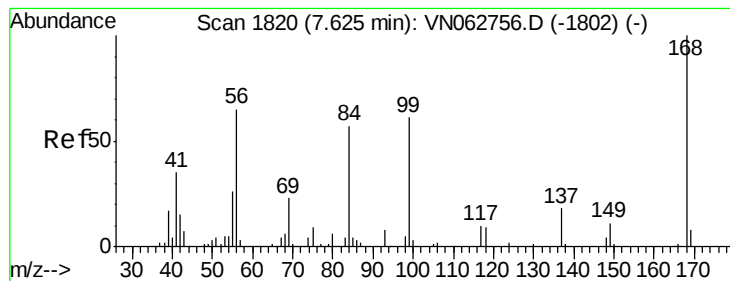
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062955.D

Acq: 15 Aug 2020 00:10

Instrument :

MSVOA_N

ClientSampleId :

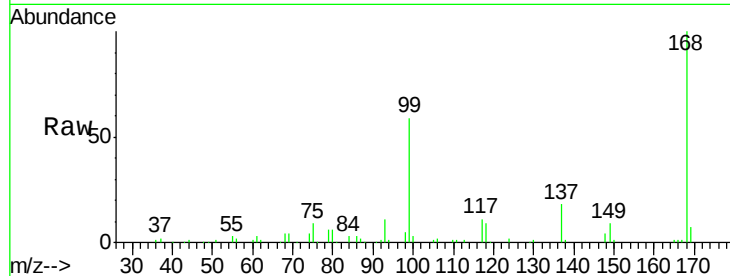
OK-01-081320

Tgt Ion:168 Resp: 182096

Ion Ratio Lower Upper

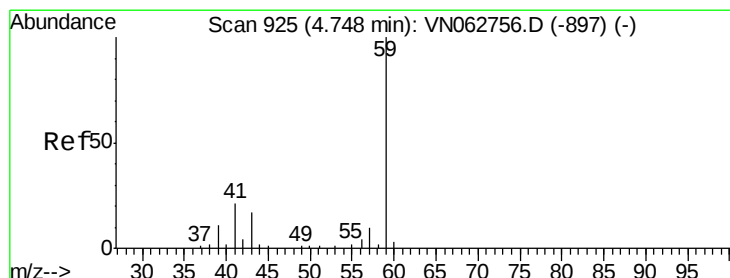
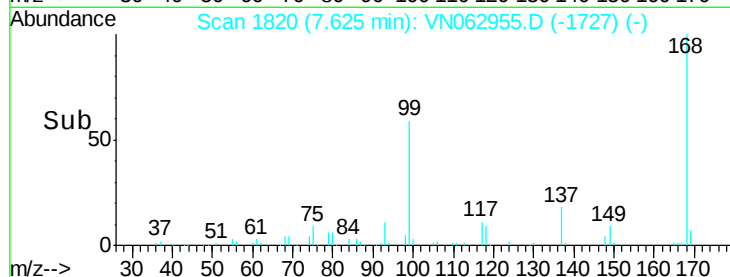
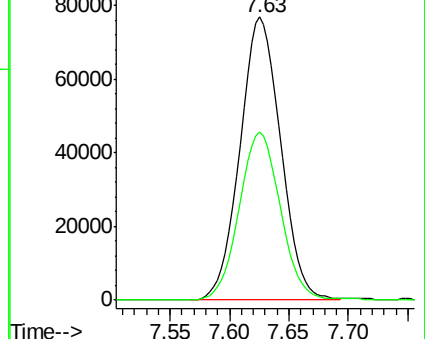
168 100

99 59.4 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 9.756 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.05 min

Lab File: VN062955.D

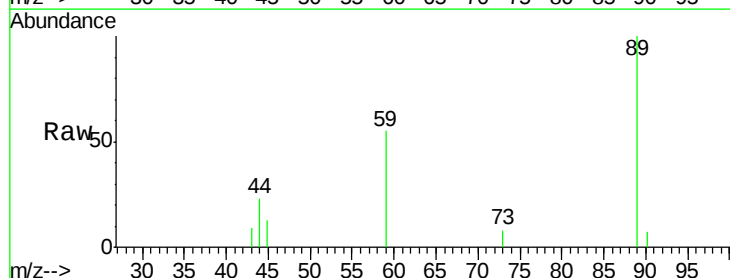
Acq: 15 Aug 2020 00:10

Tgt Ion: 59 Resp: 4815

Ion Ratio Lower Upper

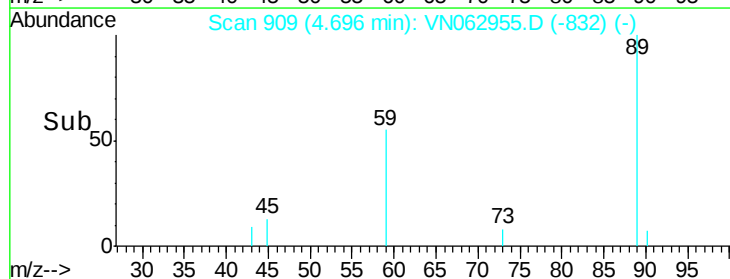
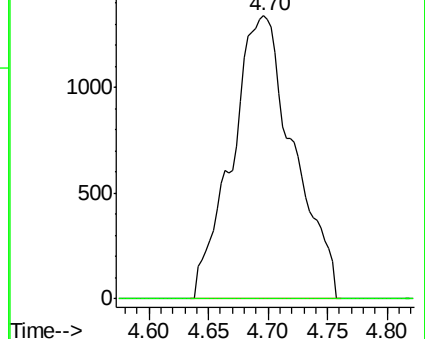
59 100

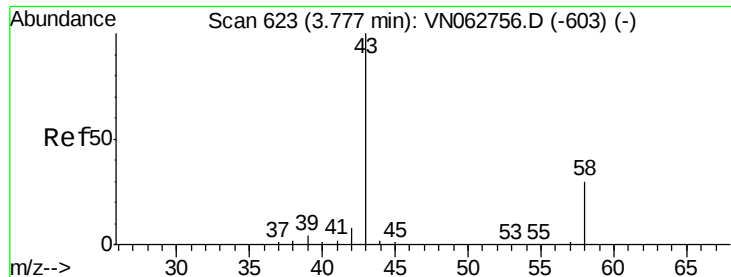
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 14.524 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062955.D

Acq: 15 Aug 2020 00:10

Instrument :

MSVOA_N

ClientSampleId :

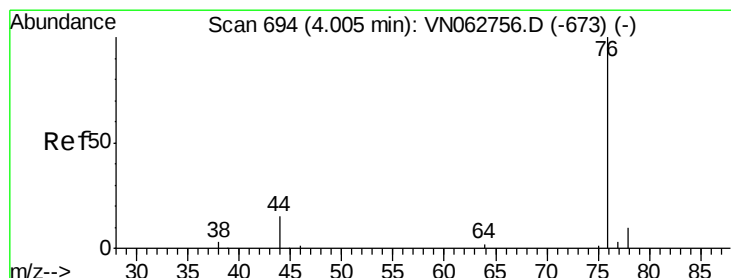
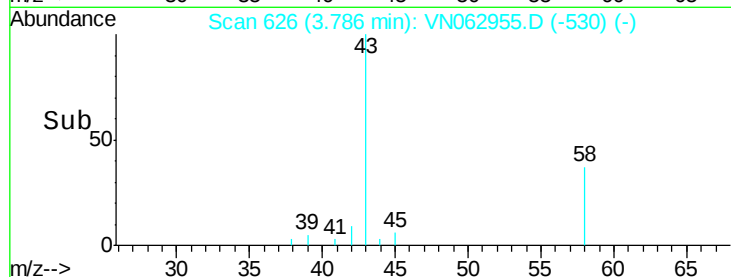
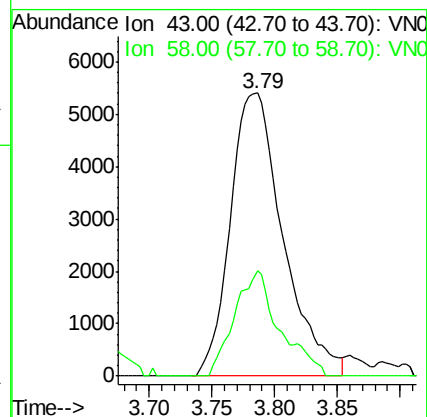
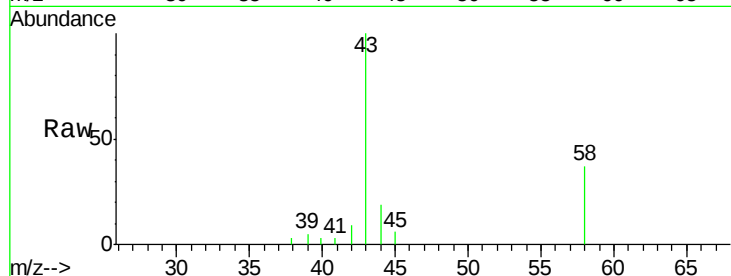
OK-01-081320

Tgt Ion: 43 Resp: 15803

Ion Ratio Lower Upper

43 100

58 37.3 24.1 36.1#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN062955.D

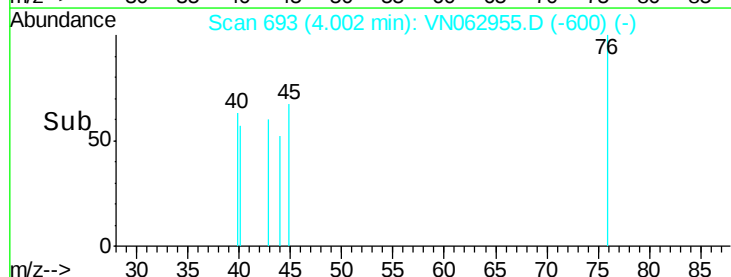
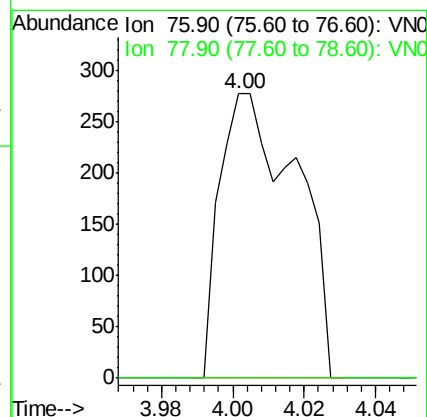
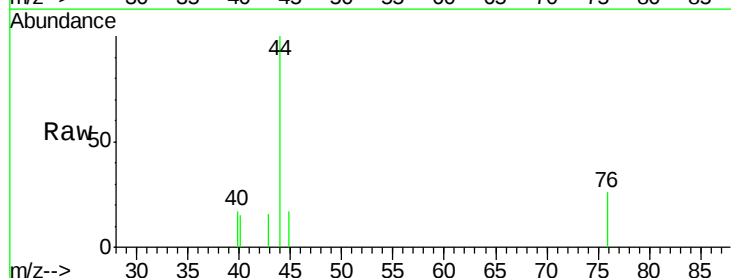
Acq: 15 Aug 2020 00:10

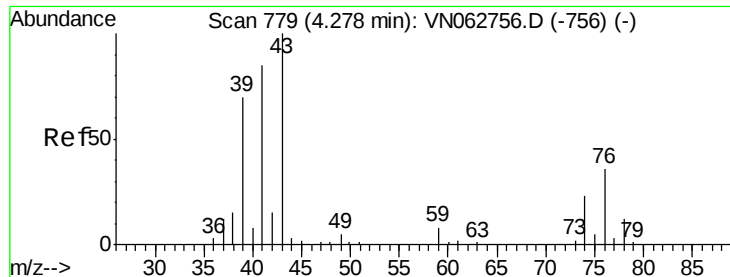
Tgt Ion: 76 Resp: 411

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#

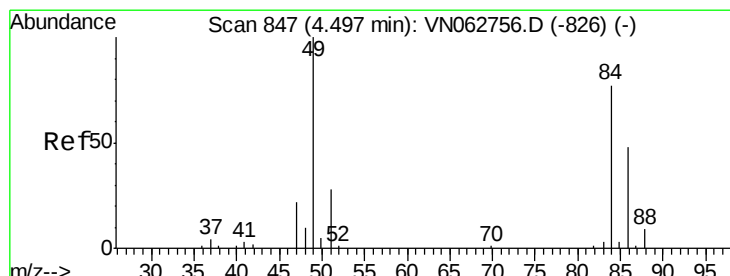
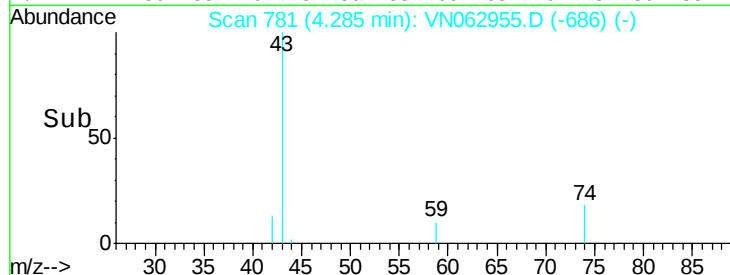
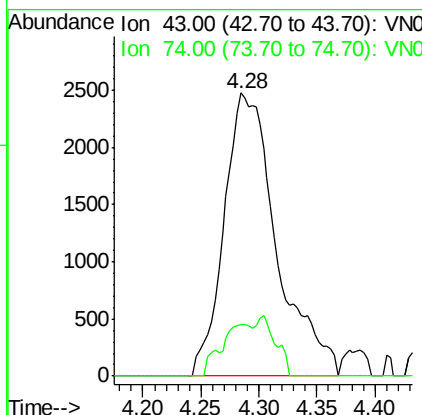
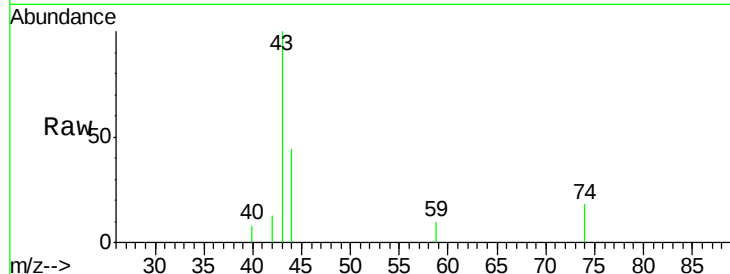




#18
Methyl Acetate
Concen: 1.958 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062955.D
Acq: 15 Aug 2020 00:10

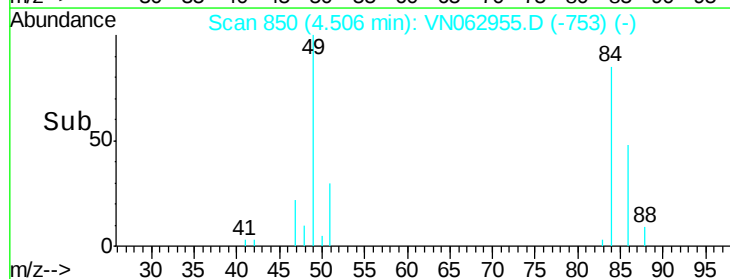
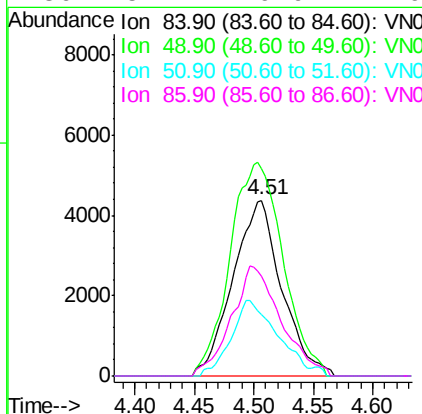
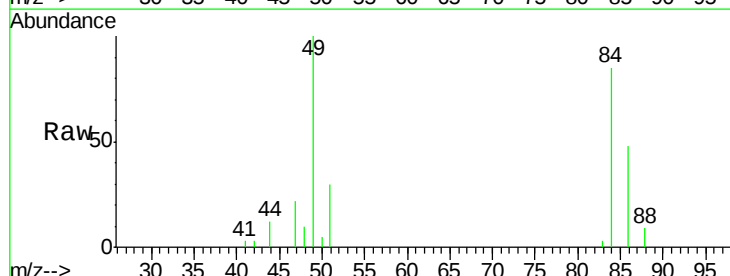
Instrument :
MSVOA_N
ClientSampled :
OK-01-081320

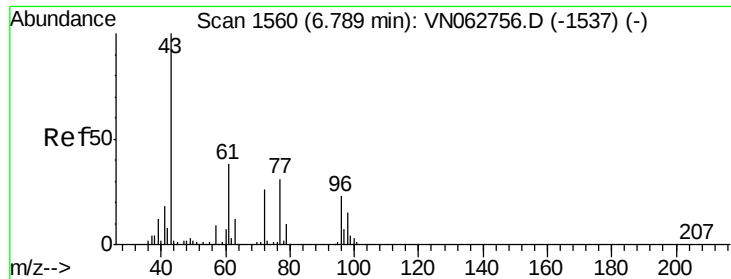
Tgt Ion: 43 Resp: 7831
Ion Ratio Lower Upper
43 100
74 10.8 18.6 28.0#



#20
Methylene Chloride
Concen: 5.552 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062955.D
Acq: 15 Aug 2020 00:10

Tgt Ion: 84 Resp: 12402
Ion Ratio Lower Upper
84 100
49 118.0 103.4 155.2
51 34.8 29.3 43.9
86 57.1 49.9 74.9

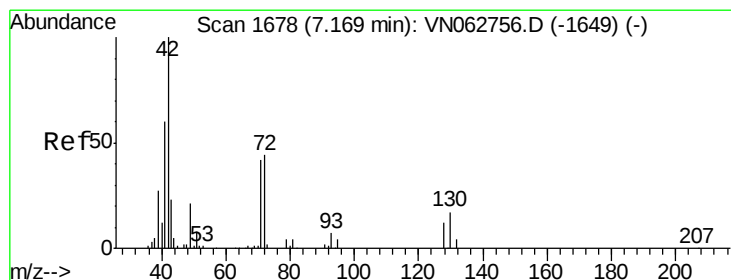
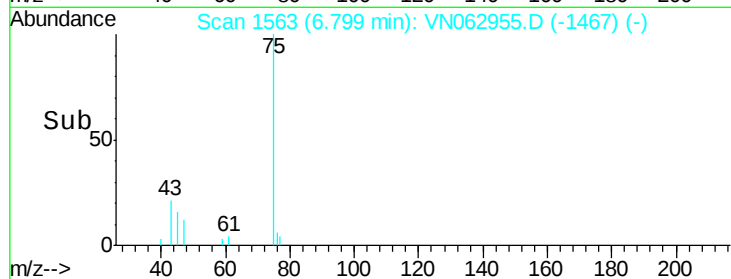
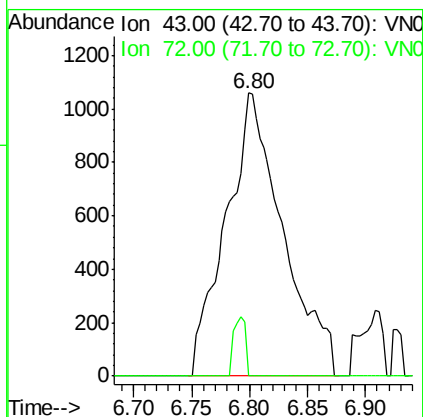
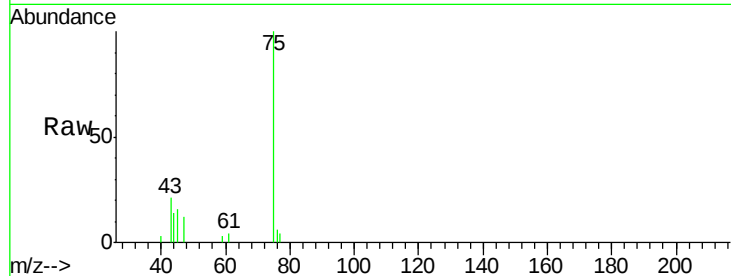




#25
2-Butanone
Concen: 2.343 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062955.D
Acq: 15 Aug 2020 00:10

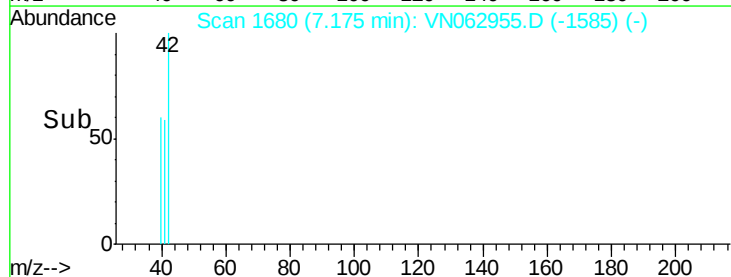
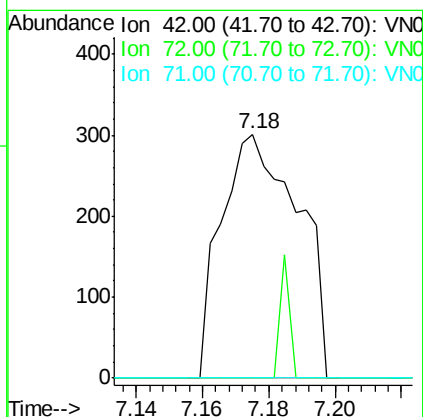
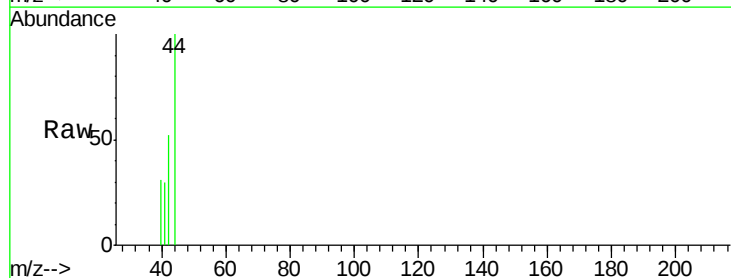
Instrument :
MSVOA_N
ClientSampleId :
OK-01-081320

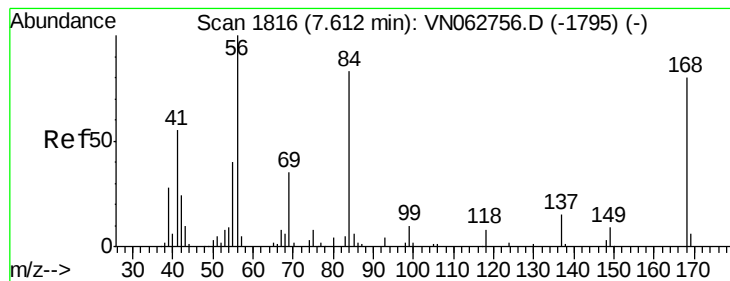
Tgt Ion: 43 Resp: 3610
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.487 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN062955.D
Acq: 15 Aug 2020 00:10

Tgt Ion: 42 Resp: 488
Ion Ratio Lower Upper
42 100
72 6.1 35.0 52.4#
71 0.0 33.2 49.8#





#31

Cyclohexane

Concen: 1.124 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062955.D

Acq: 15 Aug 2020 00:10

Instrument :

MSVOA_N

ClientSampleId :

OK-01-081320

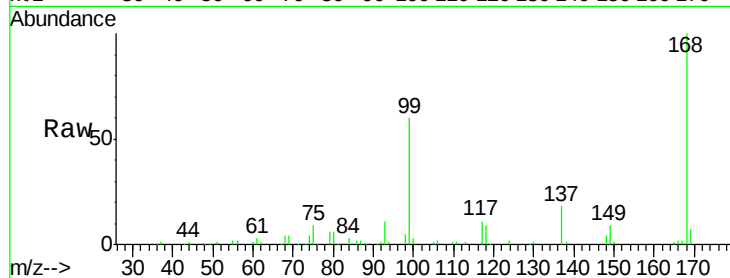
Tgt Ion: 56 Resp: 4103

Ion Ratio Lower Upper

56 100

69 178.4 28.1 42.1#

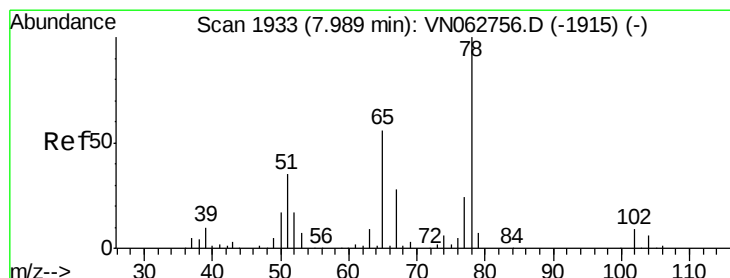
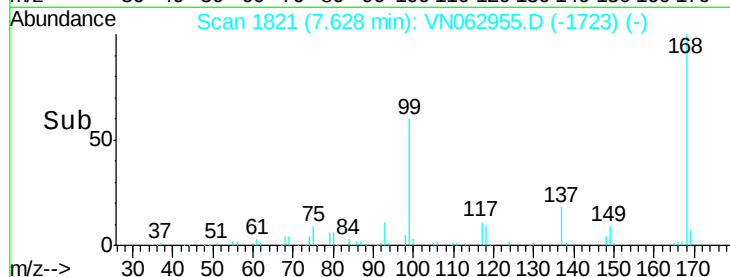
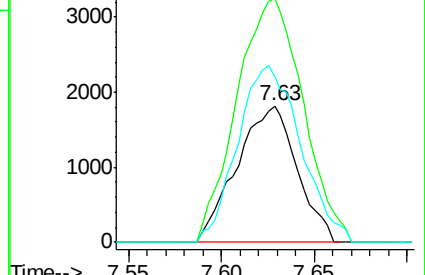
84 121.7 66.8 100.2#



Abundance Ion 56.00 (55.70 to 56.70): VN062756.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN062756.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN062756.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.732 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062955.D

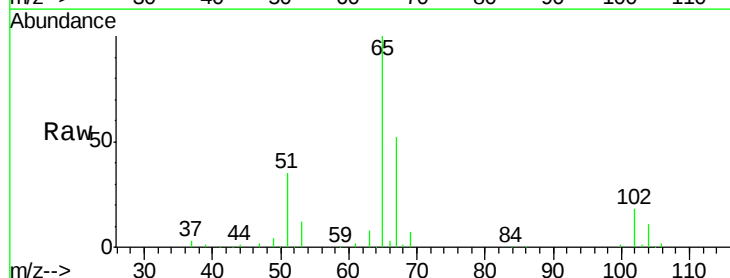
Acq: 15 Aug 2020 00:10

Tgt Ion: 65 Resp: 152768

Ion Ratio Lower Upper

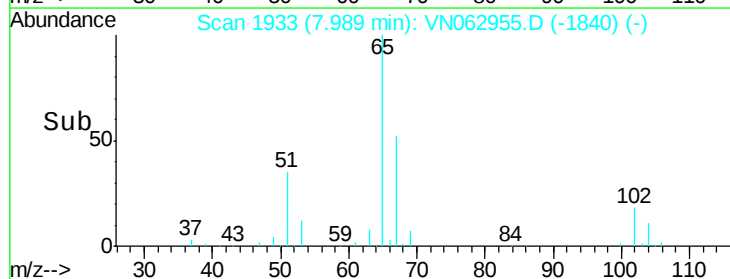
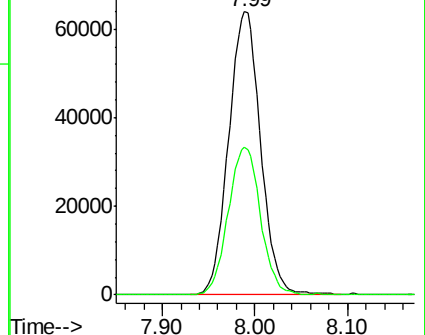
65 100

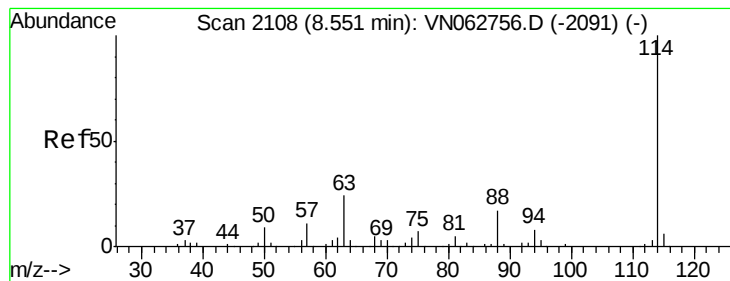
67 52.6 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062756.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062756.D (-1915) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062955.D

Acq: 15 Aug 2020 00:10

Instrument :

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ClientSampleId :

OK-01-081320

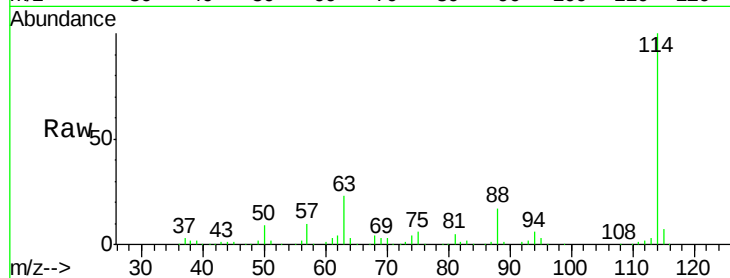
Tgt Ion:114 Resp: 328991

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.6

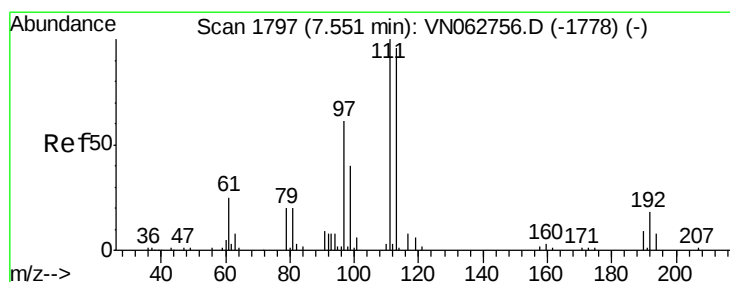
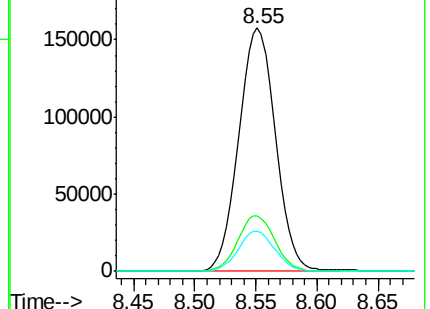
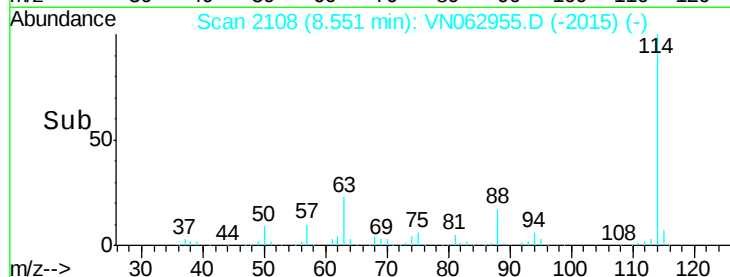
88 16.6 0.0 34.4



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: 50.389 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062955.D

Acq: 15 Aug 2020 00:10

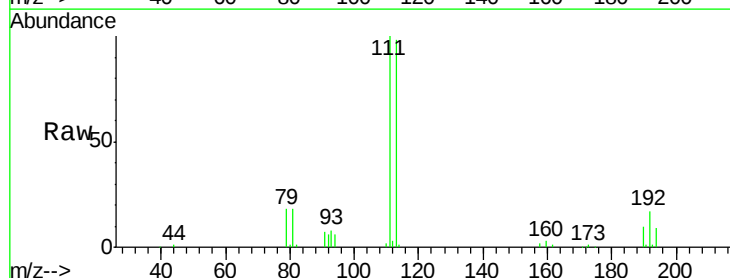
Tgt Ion:113 Resp: 113399

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

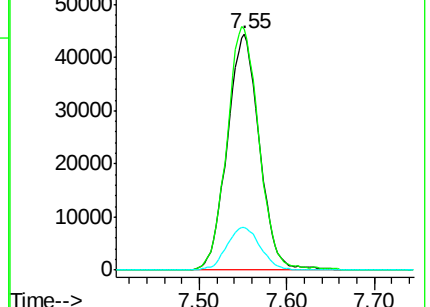
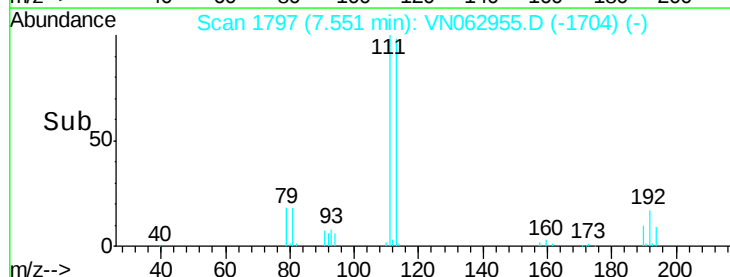
192 18.8 15.0 22.4

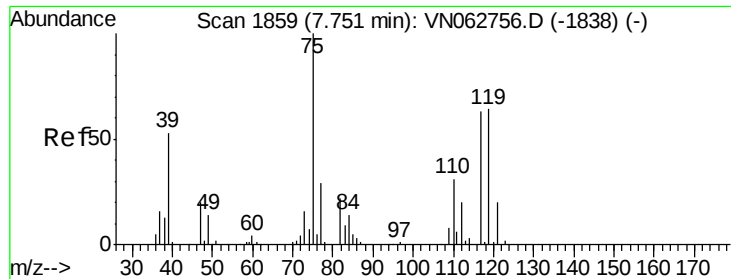


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

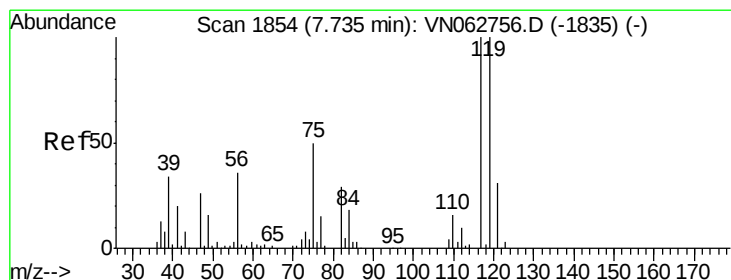
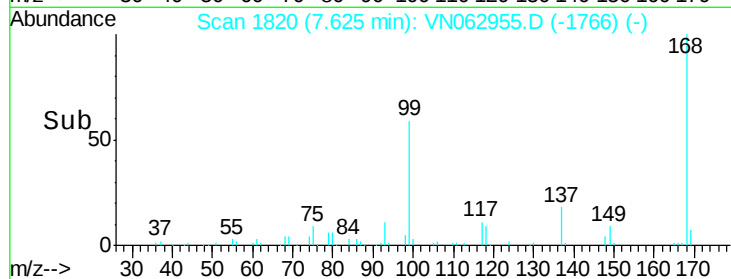
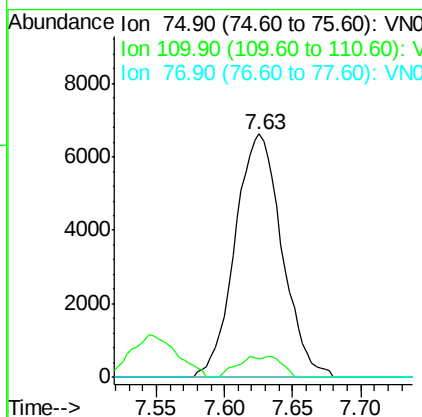
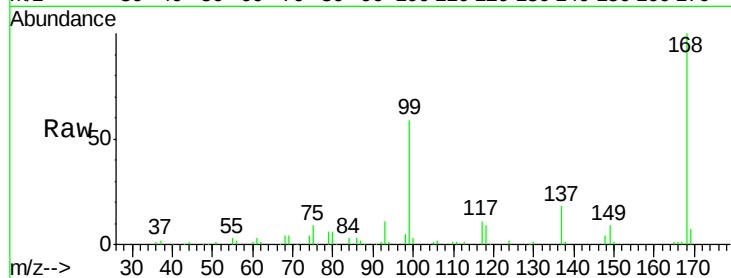




#36
 1,1-Dichloropropene
 Concen: 4.938 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062955.D
 Acq: 15 Aug 2020 00:10

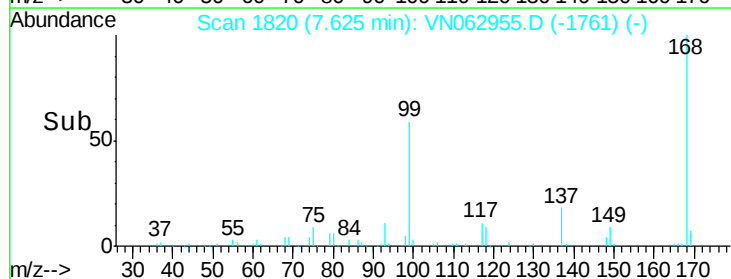
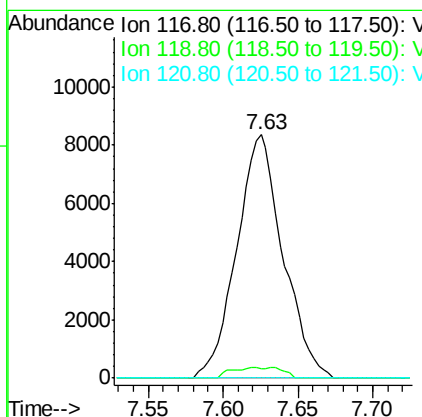
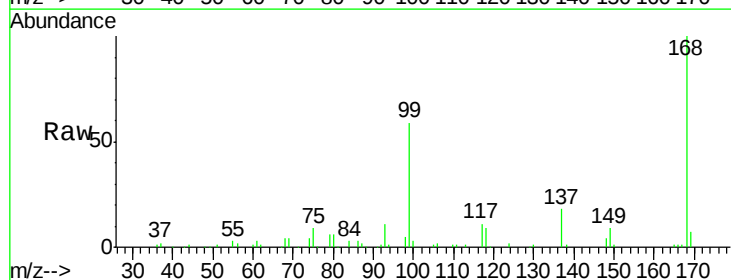
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-081320

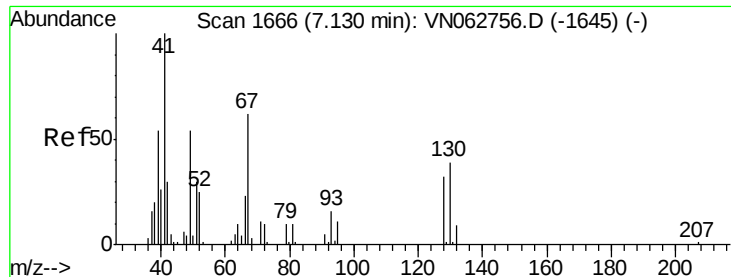
Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.2	15.6	46.7#
77	0.0	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 4.744 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062955.D
 Acq: 15 Aug 2020 00:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	79.4	119.2#
121	0.0	24.9	37.3#

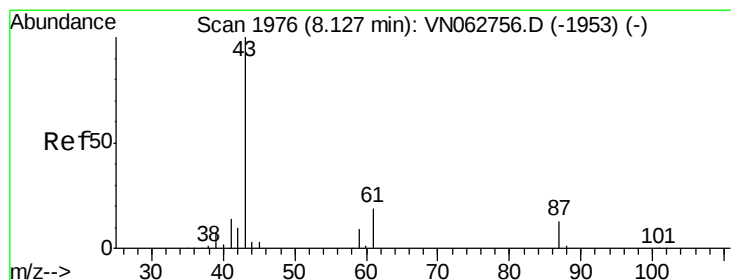
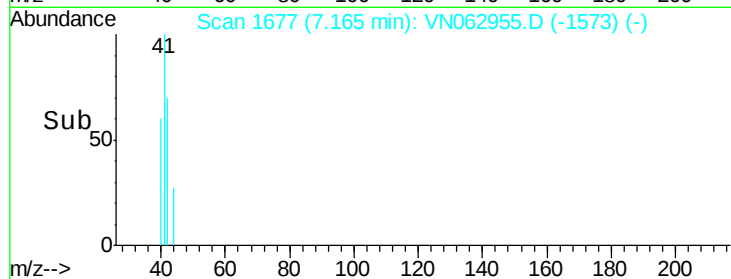
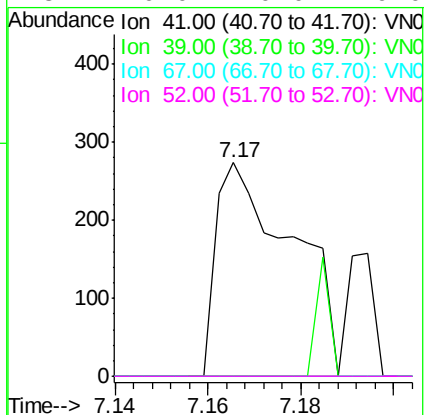
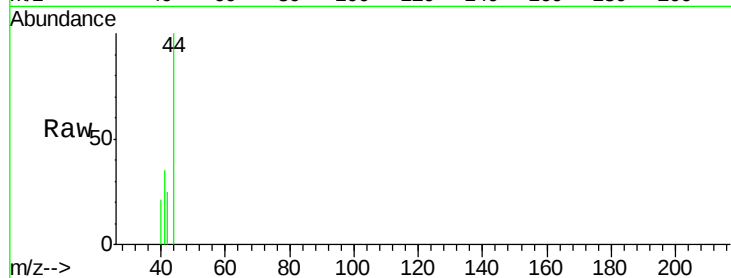




#41
Methacrylonitrile
Concen: 0.207 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN062955.D
Acq: 15 Aug 2020 00:10

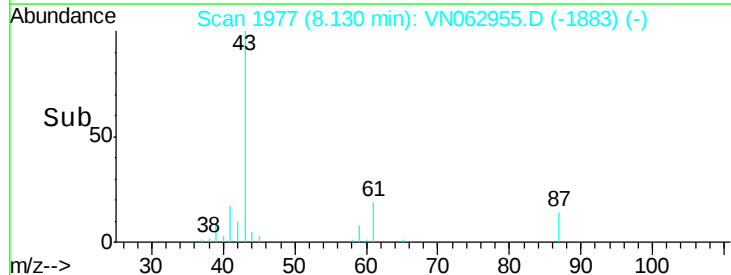
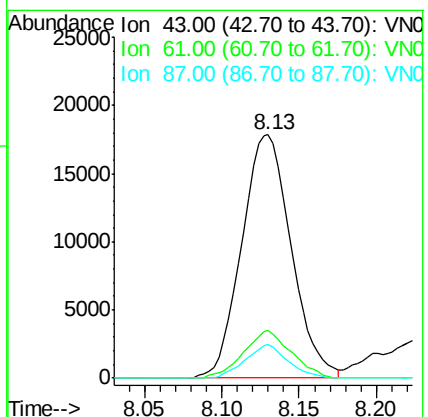
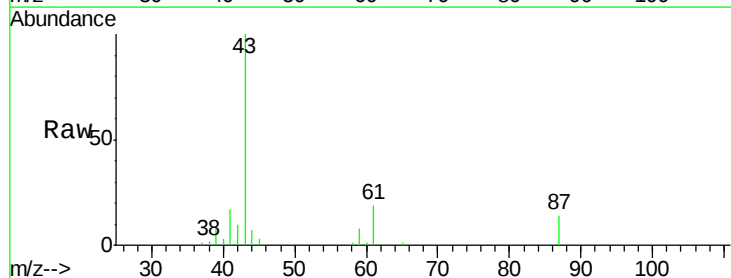
Instrument :
MSVOA_N
ClientSampleId :
OK-01-081320

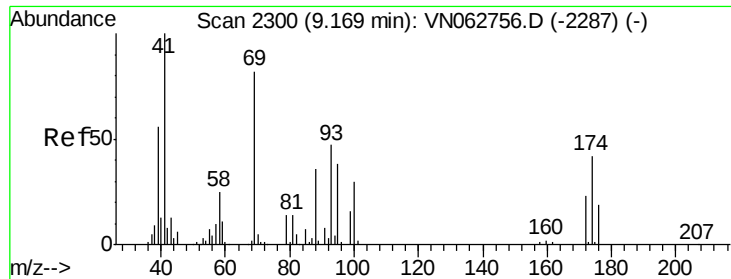
Tgt Ion:	41	Resp:	312
Ion	Ratio	Lower	Upper
41	100		
39	0.0	69.4	104.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 7.119 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN062955.D
Acq: 15 Aug 2020 00:10

Tgt Ion:	43	Resp:	39732
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.8	23.6
87	11.9	9.9	14.9

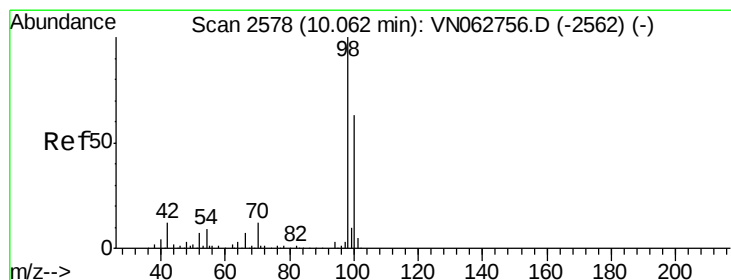
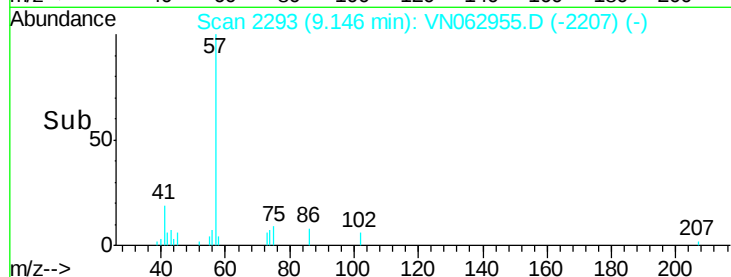
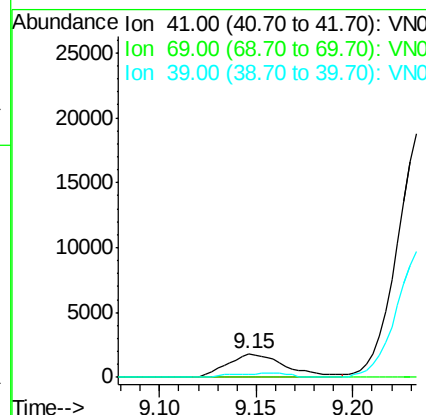
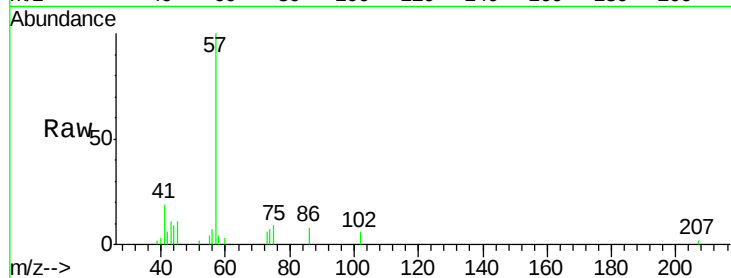




#48
Methyl methacrylate
Concen: 1.380 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062955.D
Acq: 15 Aug 2020 00:10

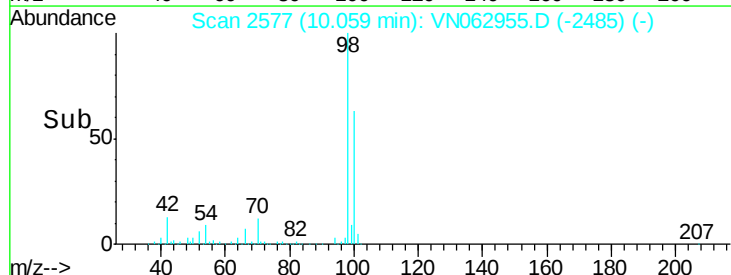
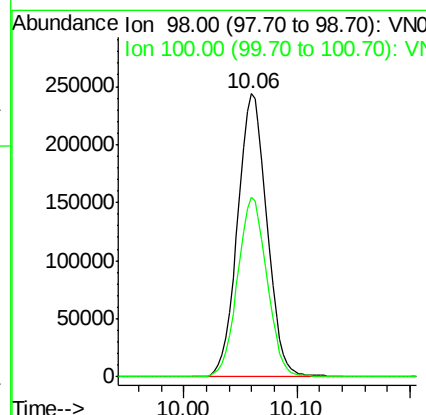
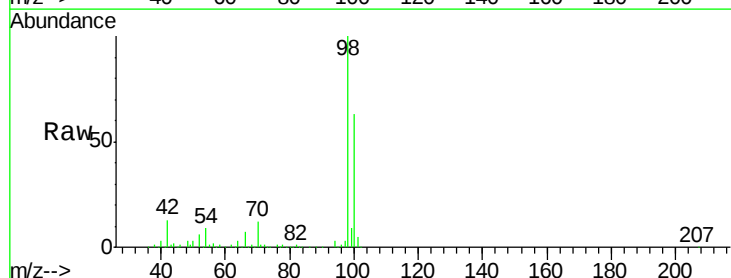
Instrument :
MSVOA_N
ClientSampleId :
OK-01-081320

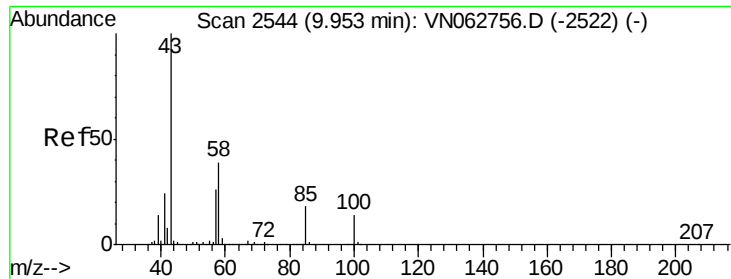
Tgt Ion: 41 Resp: 3788
Ion Ratio Lower Upper
41 100
69 0.0 67.4 101.2#
39 0.0 47.6 71.4#



#50
Toluene-d8
Concen: 50.214 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062955.D
Acq: 15 Aug 2020 00:10

Tgt Ion: 98 Resp: 441186
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

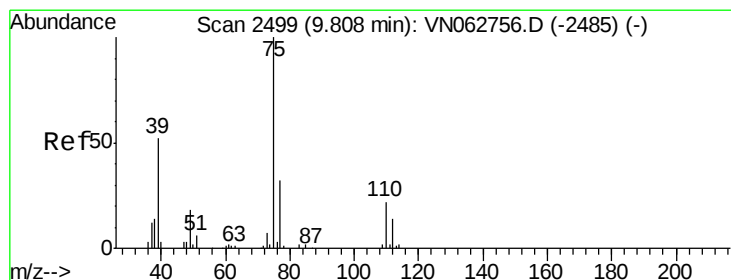
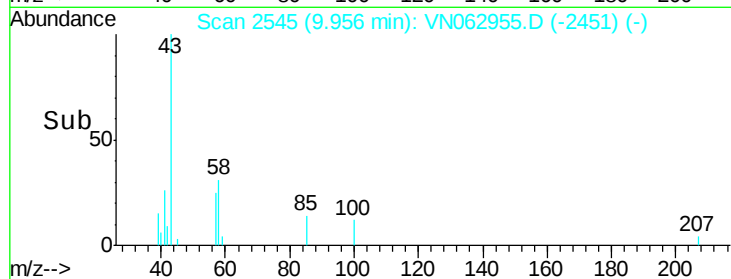
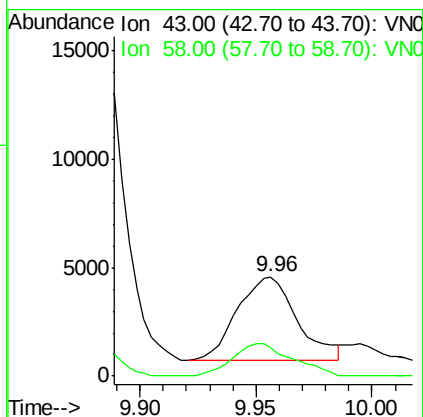
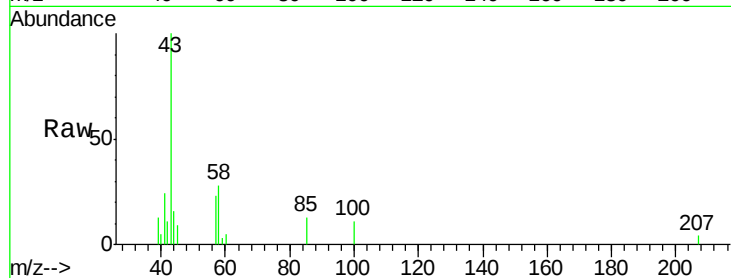




#51
 4-Methyl-2-Pentanone
 Concen: 1.925 ug/l
 RT: 9.96 min Scan# 2545
 Delta R.T. 0.00 min
 Lab File: VN062955.D
 Acq: 15 Aug 2020 00:10

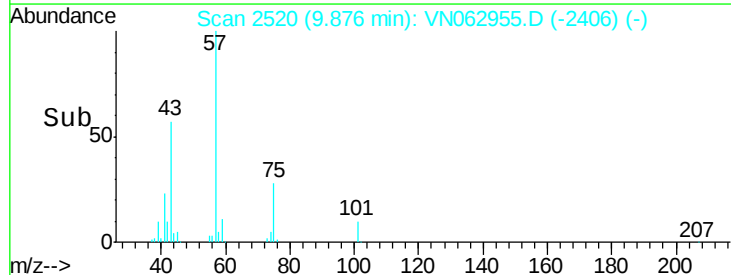
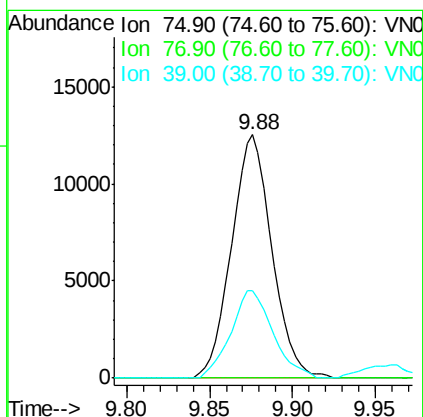
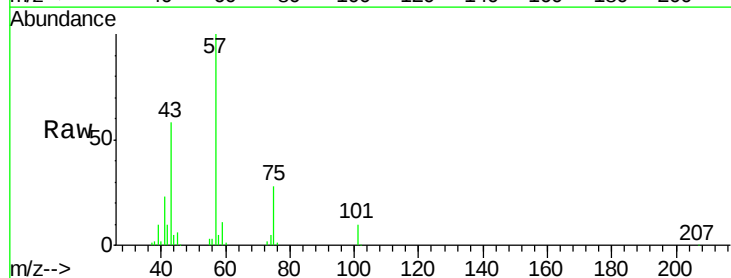
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-01-081320

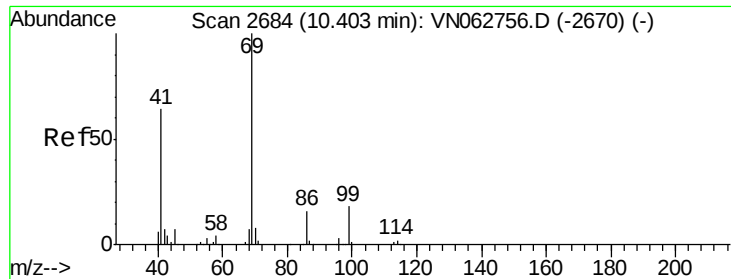
Tgt Ion: 43 Resp: 6953
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.1 46.7



#54
 cis-1,3-Dichloropropene
 Concen: 5.034 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062955.D
 Acq: 15 Aug 2020 00:10

Tgt Ion: 75 Resp: 21165
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 36.2 41.9 62.9#





#56

Ethyl methacrylate

Concen: 0.475 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN062955.D

Acq: 15 Aug 2020 00:10

Instrument :

MSVOA_N

ClientSampleId :

OK-01-081320

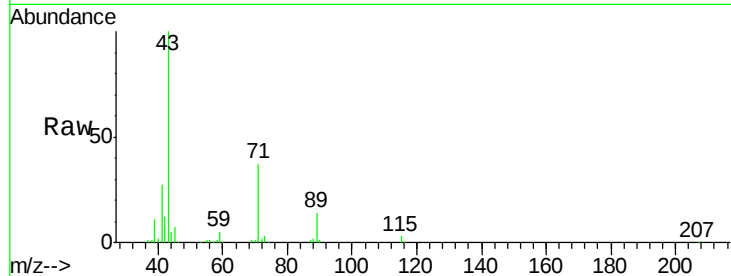
Tgt Ion: 69 Resp: 1802

Ion Ratio Lower Upper

69 100

41 2911.3 52.2 78.2#

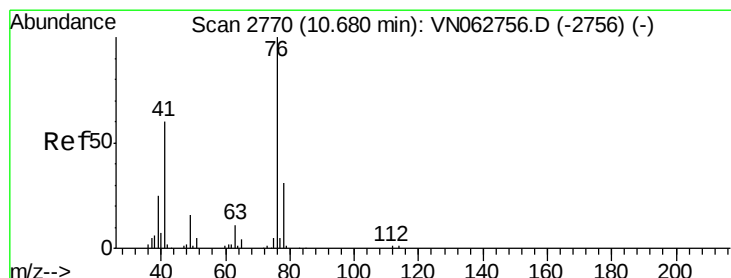
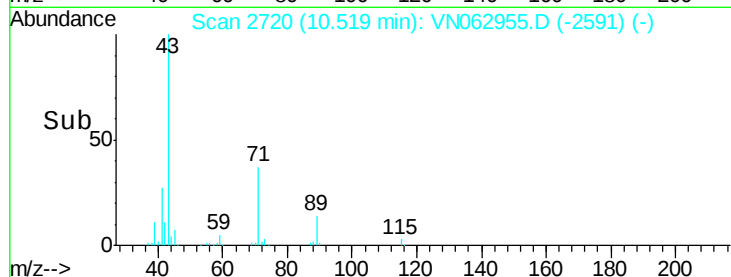
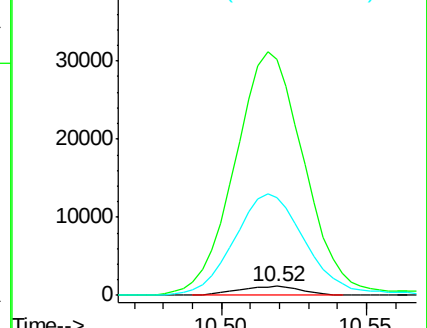
39 1243.1 30.9 46.3#



Abundance Ion 69.00 (68.70 to 69.70): VN062756.D (-2670) (-)

Ion 41.00 (40.70 to 41.70): VN062756.D (-2670) (-)

Ion 39.00 (38.70 to 39.70): VN062756.D (-2670) (-)



#57

1,3-Dichloropropane

Concen: 0.611 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062955.D

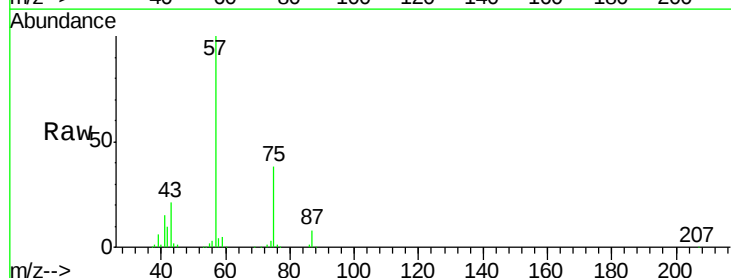
Acq: 15 Aug 2020 00:10

Tgt Ion: 76 Resp: 2617

Ion Ratio Lower Upper

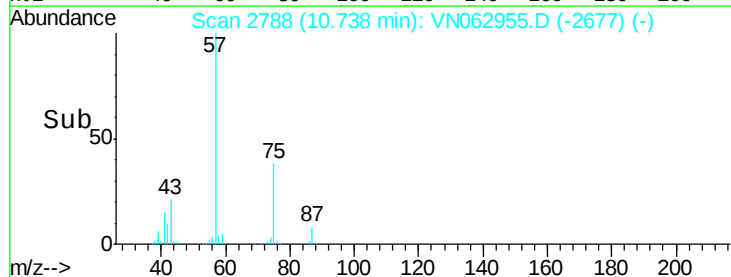
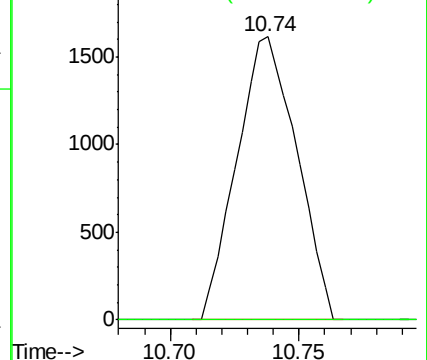
76 100

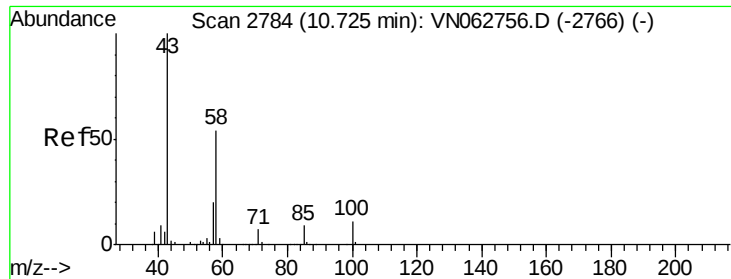
78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VN062756.D (-2756) (-)

Ion 77.90 (77.60 to 78.60): VN062756.D (-2756) (-)





#59

2-Hexanone

Concen: 16.127 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.01 min

Lab File: VN062955.D

Acq: 15 Aug 2020 00:10

Instrument :

MSVOA_N

ClientSampleId :

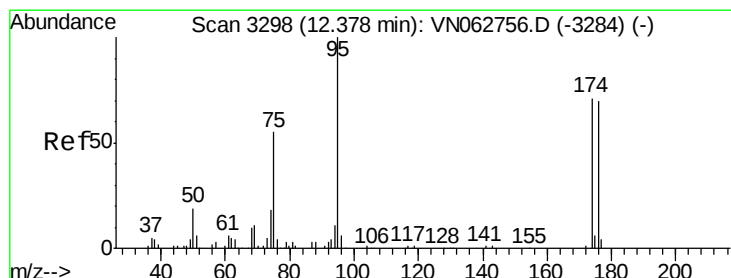
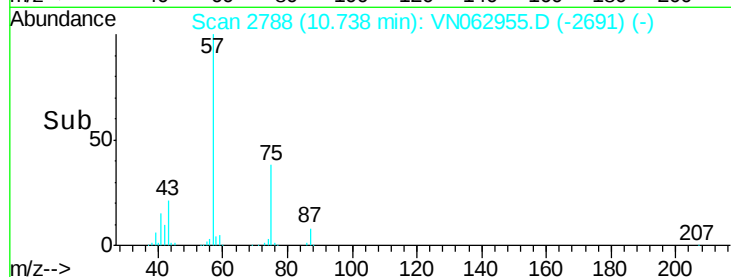
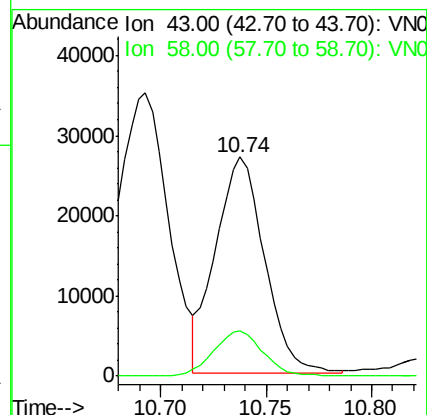
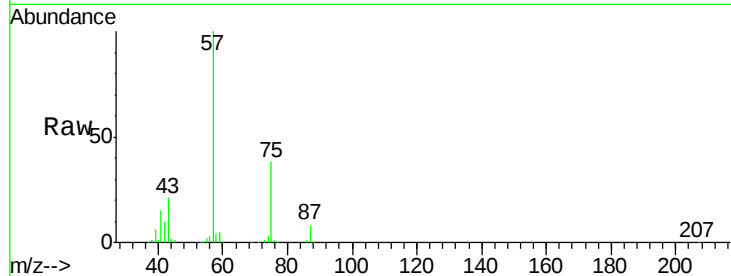
OK-01-081320

Tgt Ion: 43 Resp: 43444

Ion Ratio Lower Upper

43 100

58 21.0 26.7 80.1#



#62

4-Bromofluorobenzene

Concen: 47.808 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062955.D

Acq: 15 Aug 2020 00:10

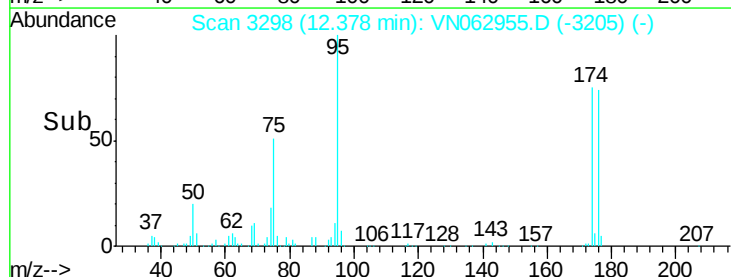
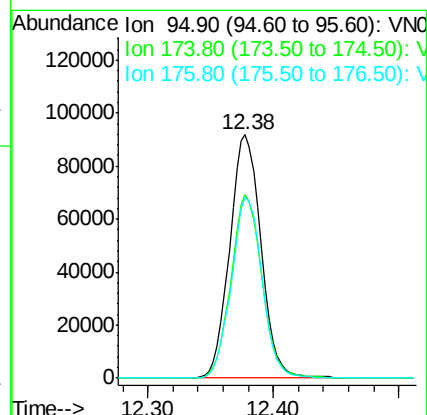
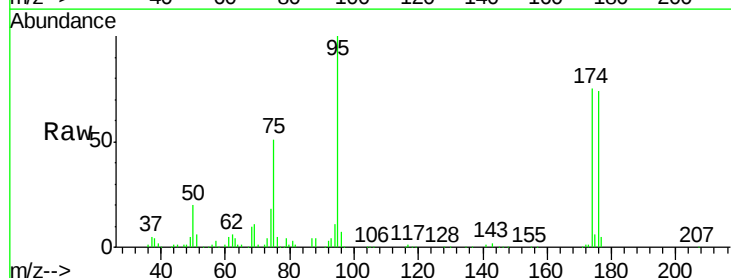
Tgt Ion: 95 Resp: 158734

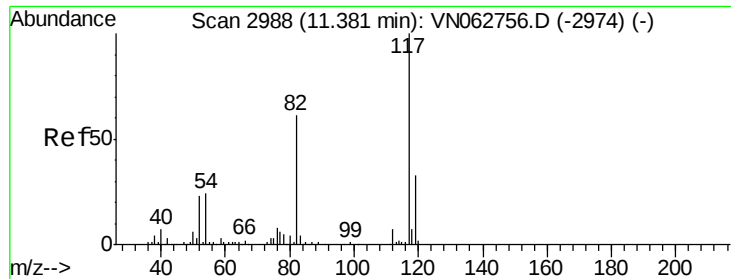
Ion Ratio Lower Upper

95 100

174 74.9 0.0 144.8

176 73.1 0.0 142.2

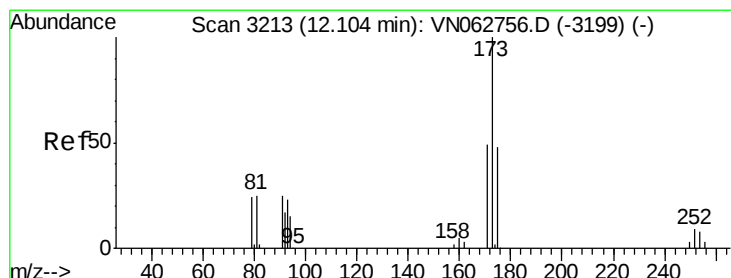
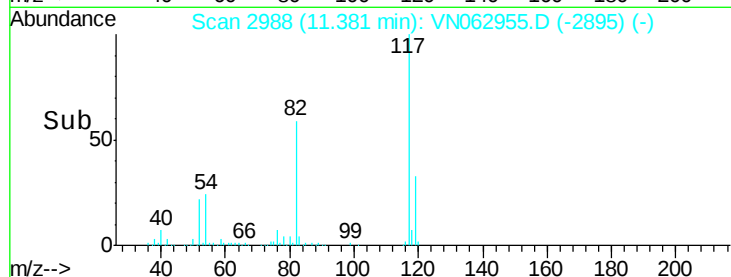
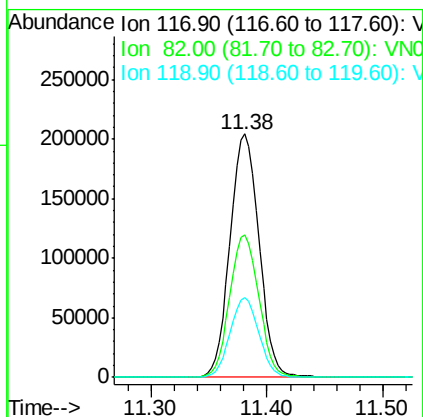
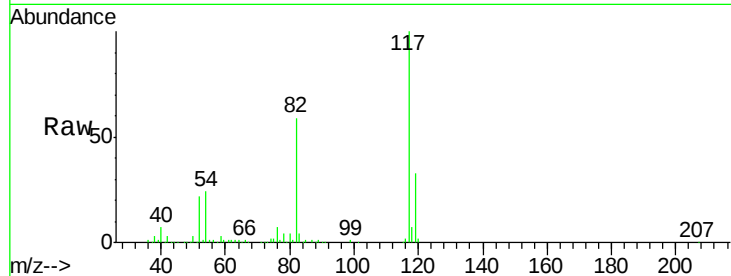




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062955.D
Acq: 15 Aug 2020 00:10

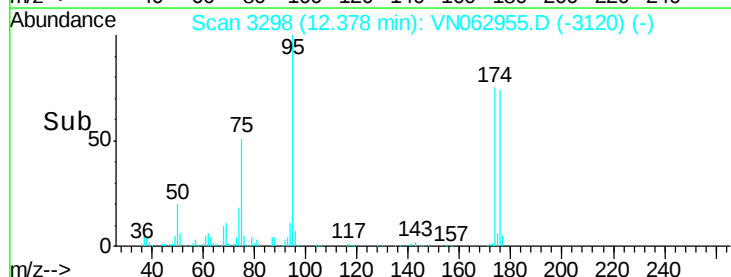
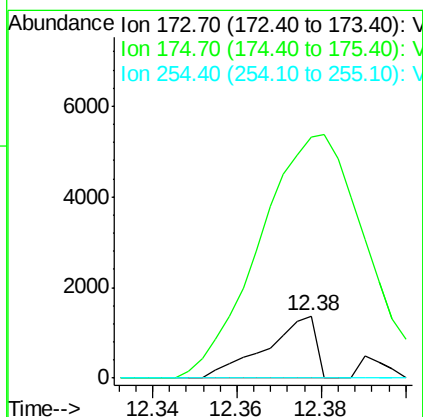
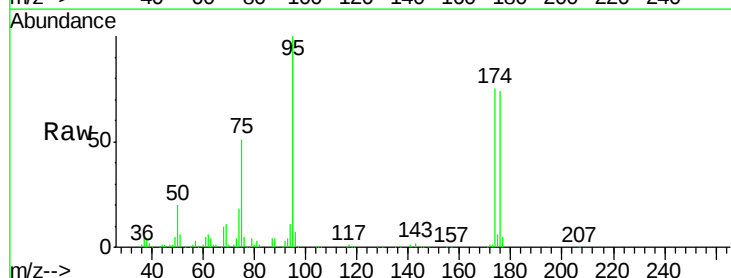
Instrument :
MSVOA_N
ClientSampled :
OK-01-081320

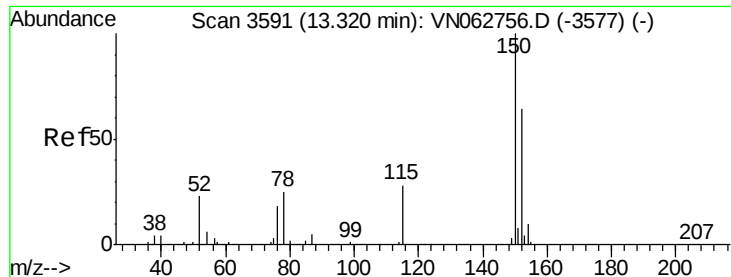
Tgt Ion:117 Resp: 355048
Ion Ratio Lower Upper
117 100
82 58.5 49.0 73.4
119 32.8 26.2 39.2



#71
Bromoform
Concen: 0.455 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.27 min
Lab File: VN062955.D
Acq: 15 Aug 2020 00:10

Tgt Ion:173 Resp: 1110
Ion Ratio Lower Upper
173 100
175 755.0 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062955.D

Acq: 15 Aug 2020 00:10

Instrument :

MSVOA_N

ClientSampleId :

OK-01-081320

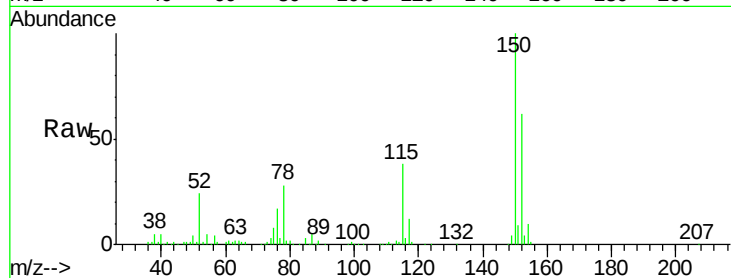
Tgt Ion:152 Resp: 132934

Ion Ratio Lower Upper

152 100

115 61.3 31.6 94.8

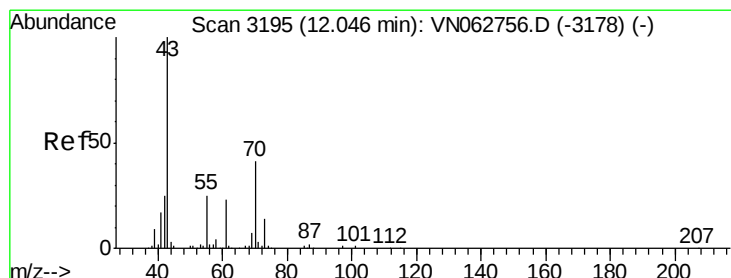
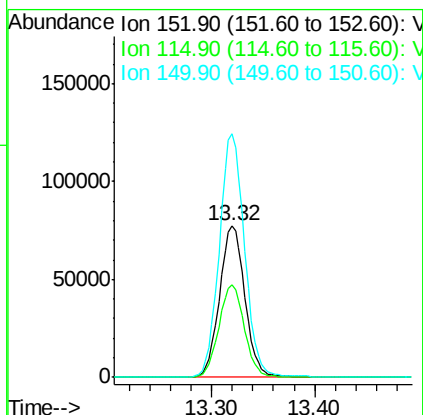
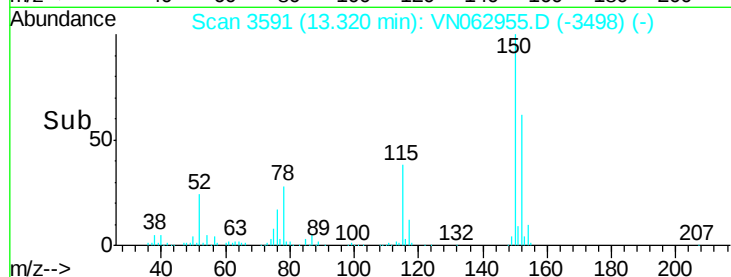
150 159.2 0.0 349.2



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: 0.316 ug/l

RT: 12.01 min Scan# 3185

Delta R.T. -0.03 min

Lab File: VN062955.D

Acq: 15 Aug 2020 00:10

Tgt Ion: 43 Resp: 1280

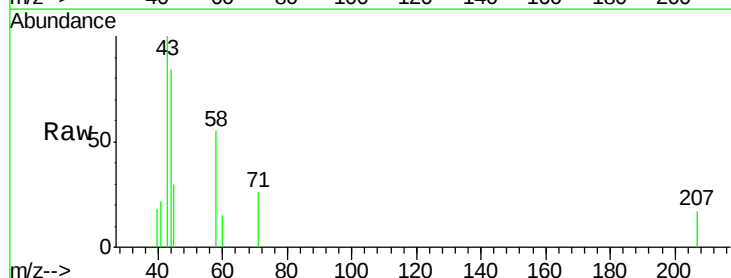
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

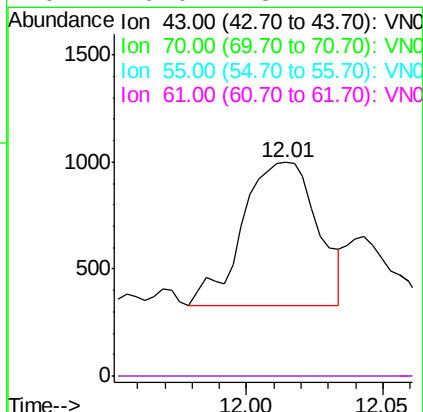
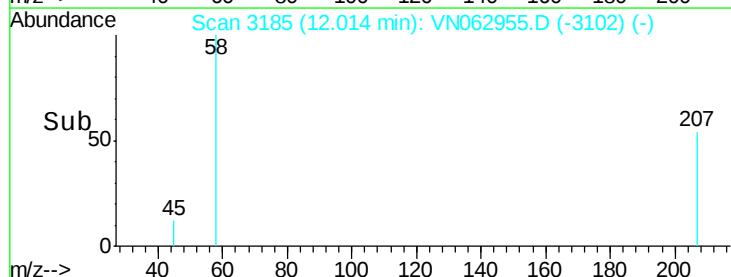


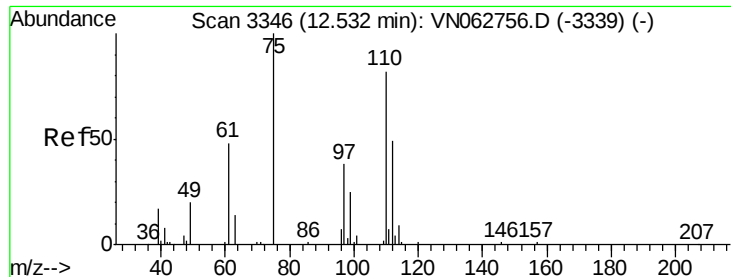
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

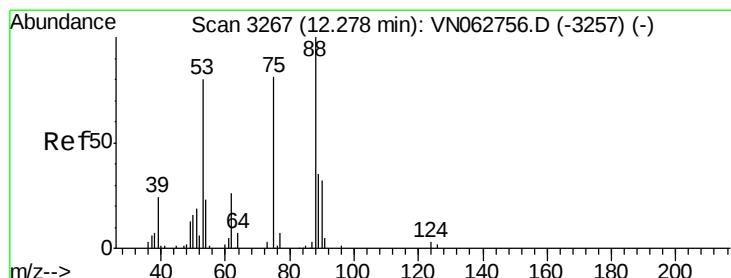
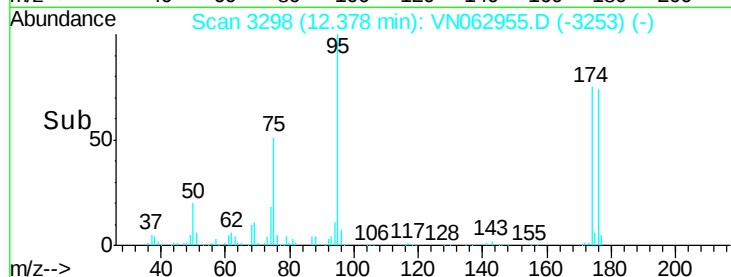
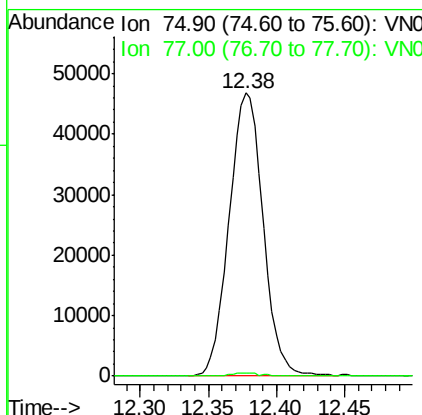
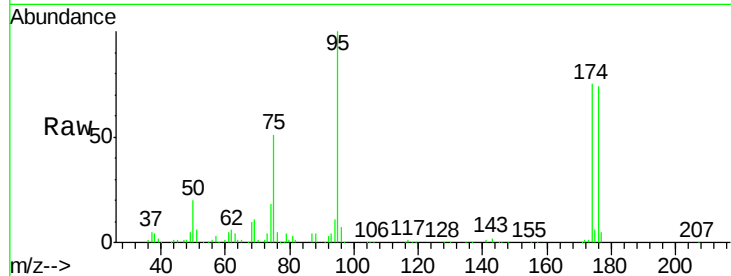




#76
 1,2,3-Trichloropropane
 Concen: 22.635 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062955.D
 Acq: 15 Aug 2020 00:10

Instrument :
 MSVOA_N
 ClientSampled :
 OK-01-081320

Tgt Ion: 75 Resp: 81148
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.098 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062955.D
 Acq: 15 Aug 2020 00:10

Tgt Ion: 75 Resp: 81148
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.1 118.7#
 89 0.0 36.2 54.2#

