

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062869.D
 Acq On : 12 Aug 2020 20:14
 Operator : JC/MD
 Sample : L3504-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-02-081120

Quant Time: Aug 13 05:24:53 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	124809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	227357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	231972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107022	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	7.55	113	74537	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	10.06	98	295687	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.38	95	108285	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds

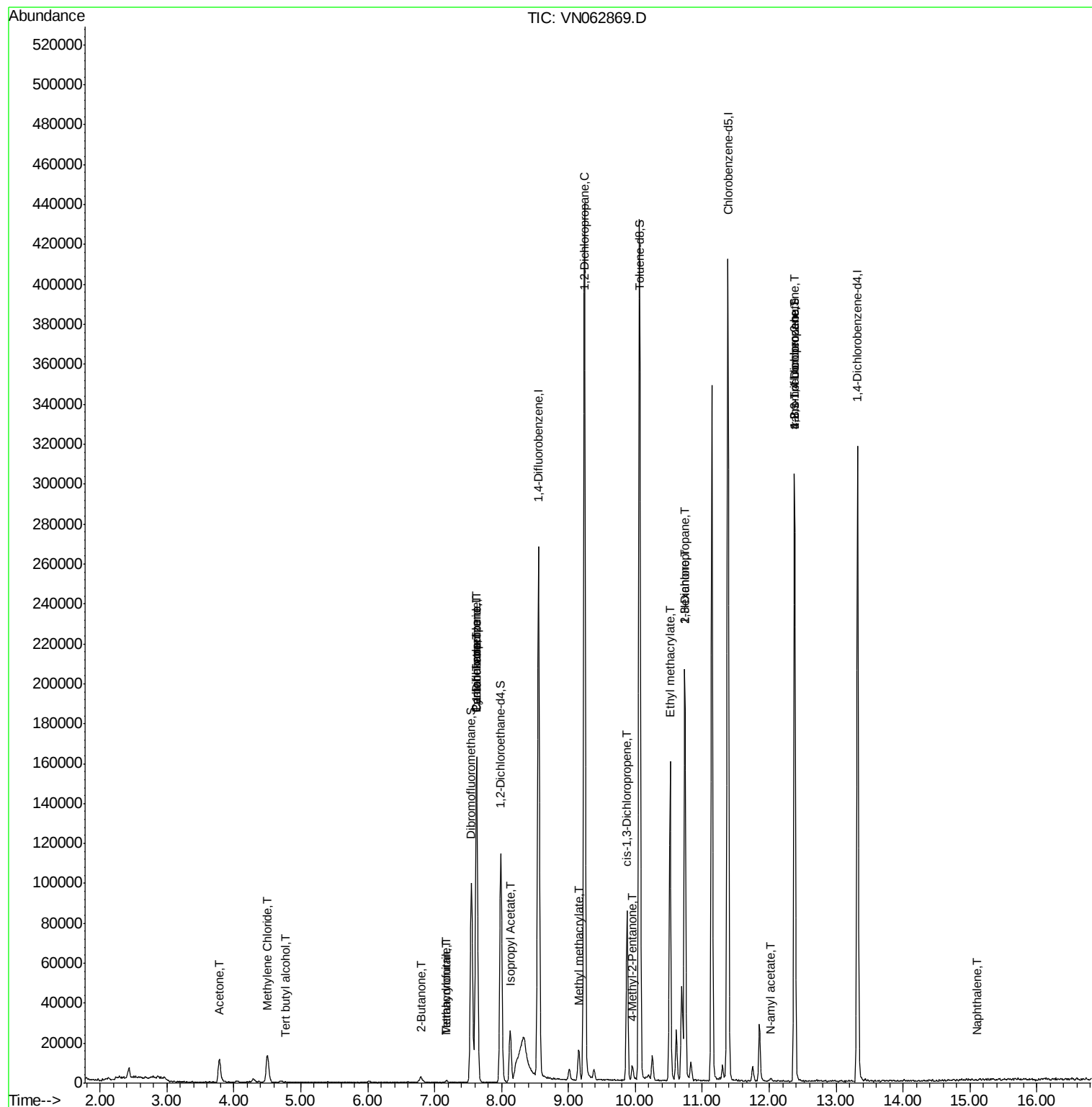
						Qvalue
11) Tert butyl alcohol	4.77	59	73	0.216	ug/l #	72
16) Acetone	3.78	43	19979	26.789	ug/l	94
17) Carbon Disulfide	4.00	76	112	Below Cal	#	74
18) Methyl Acetate	4.28	43	1473	Below Cal	#	71
20) Methylene Chloride	4.50	84	10879	7.322	ug/l	92
25) 2-Butanone	6.81	43	3158	2.990	ug/l #	76
29) Tetrahydrofuran	7.18	42	420	0.612	ug/l #	78
31) Cyclohexane	7.63	56	2671	1.067	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	10687	4.827	ug/l #	52
38) Carbon Tetrachloride	7.63	117	13134	5.016	ug/l #	16
41) Methacrylonitrile	7.18	41	385	0.369	ug/l #	6
43) Isopropyl Acetate	8.13	43	30517	7.912	ug/l	98
45) 1,2-Dichloropropane	9.24	63	403	0.225	ug/l #	45
48) Methyl methacrylate	9.15	41	2377	1.253	ug/l #	13
51) 4-Methyl-2-Pentanone	9.96	43	5207	2.086	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	14945	5.143	ug/l #	62
56) Ethyl methacrylate	10.52	69	1010	0.385	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2159	0.729	ug/l #	43
59) 2-Hexanone	10.74	43	29575	15.887	ug/l #	54
74) N-amyl acetate	12.01	43	1421	0.548	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	58223	25.418	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	58223	77.593	ug/l #	10
95) Naphthalene	15.11	128	212	3.758	ug/l #	68

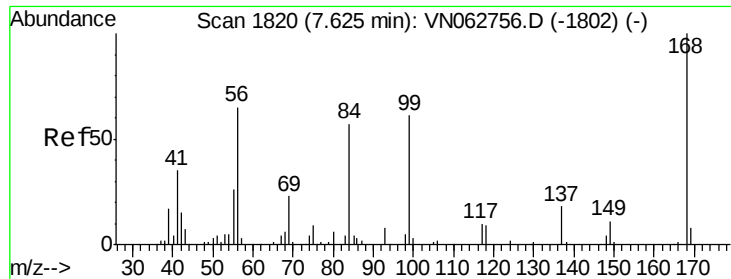
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
Data File : VN062869.D
Acq On : 12 Aug 2020 20:14
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Sample : L3504-06
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
EO-02-081120

Quant Time: Aug 13 05:24:53 2020
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: VN062869.D

Acq: 12 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

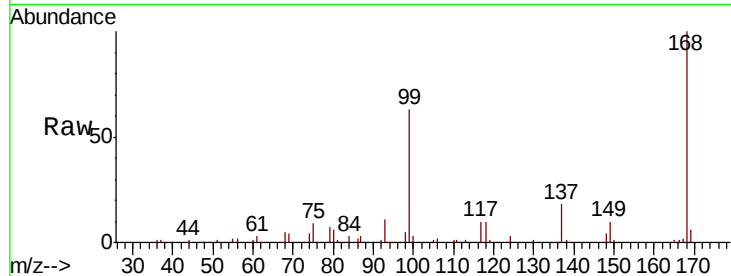
EO-02-081120

Tot Ion:168 Resp: 124809

Ion Ratio Lower Upper

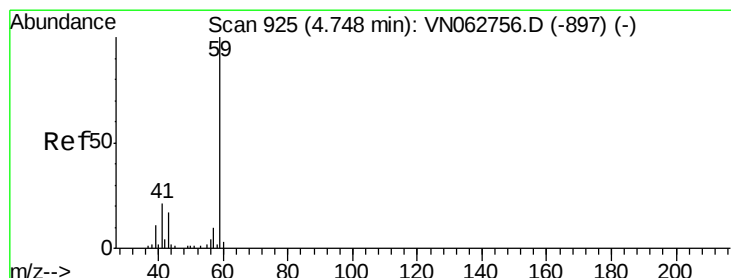
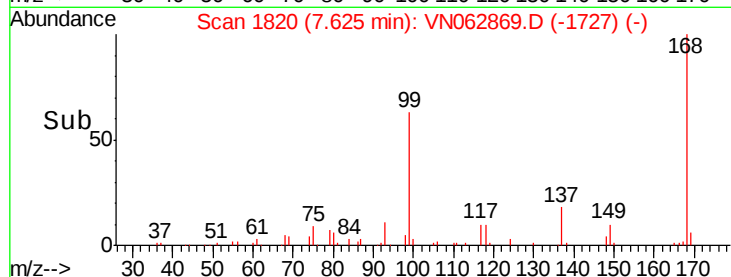
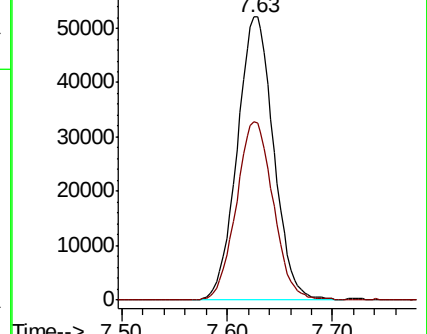
168 100

99 63.2 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: 0.216 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.02 min

Lab File: VN062869.D

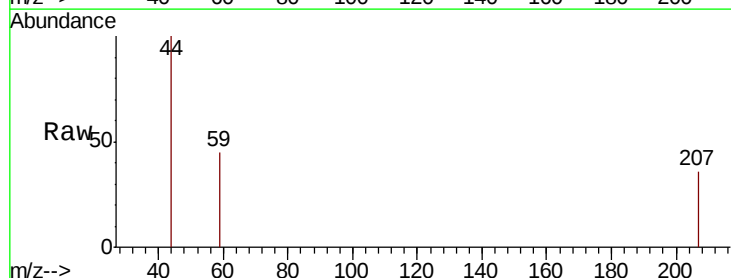
Acq: 12 Aug 2020 20:14

Tgt Ion: 59 Resp: 73

Ion Ratio Lower Upper

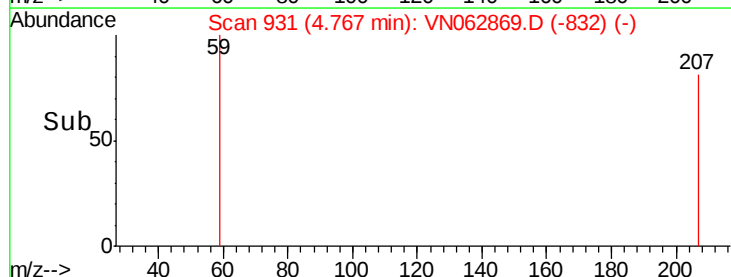
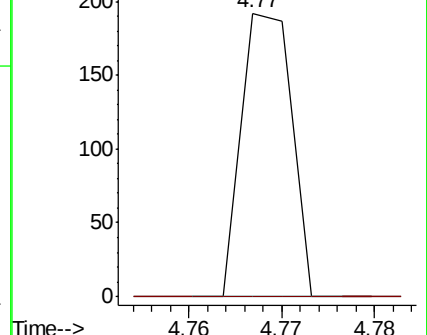
59 100

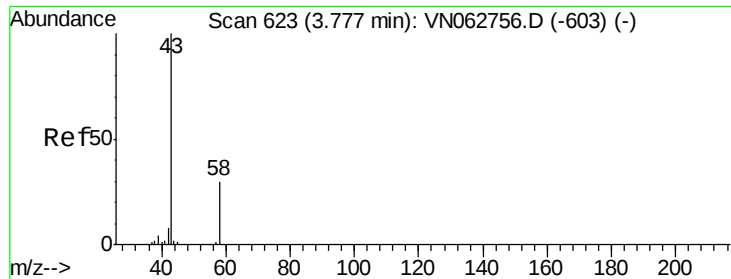
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 26.789 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062869.D

Acq: 12 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

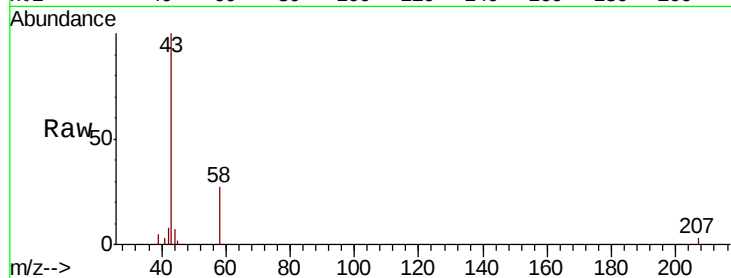
EO-02-081120

Tot Ion: 43 Resp: 19979

Ion Ratio Lower Upper

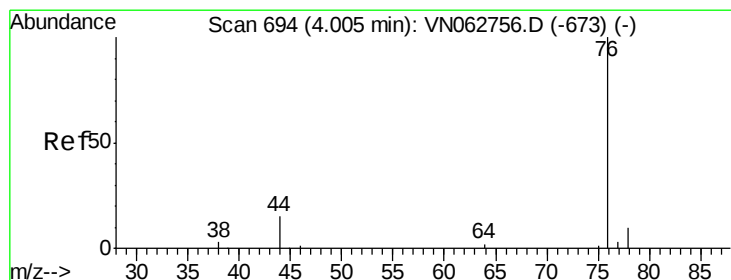
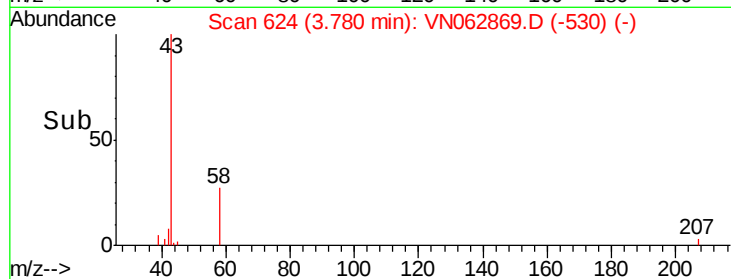
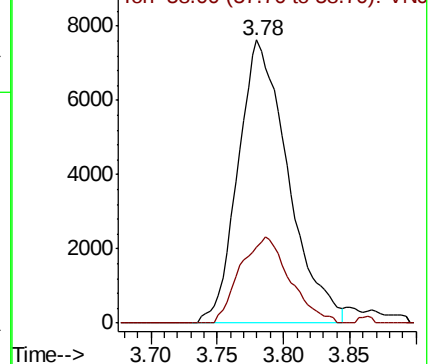
43 100

58 26.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062869.D

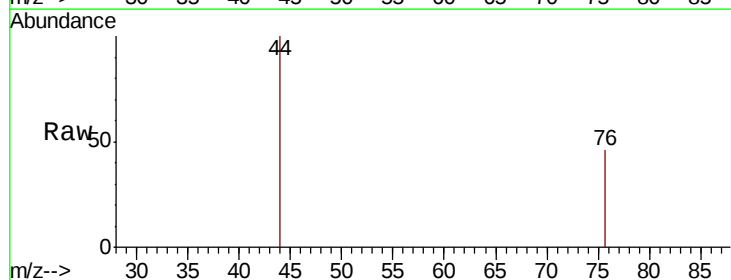
Acq: 12 Aug 2020 20:14

Tgt Ion: 76 Resp: 112

Ion Ratio Lower Upper

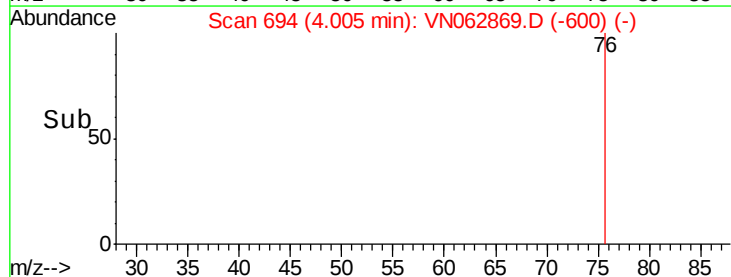
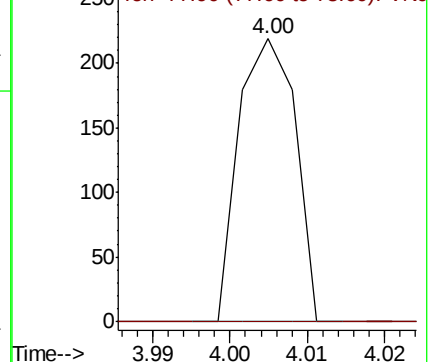
76 100

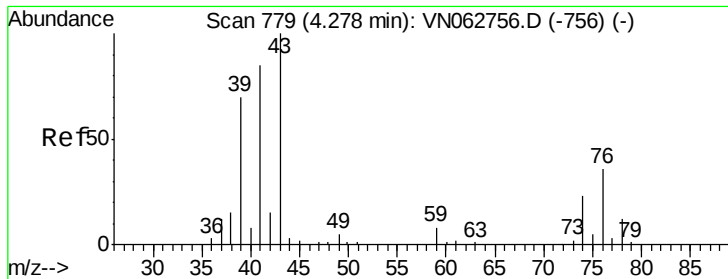
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

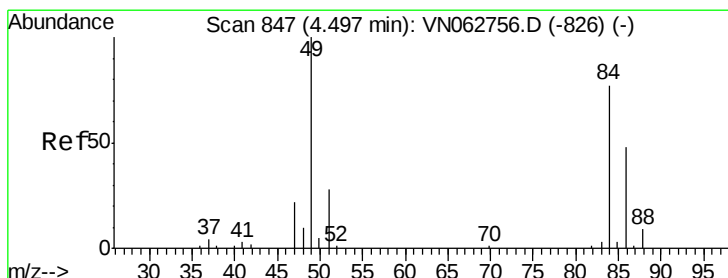
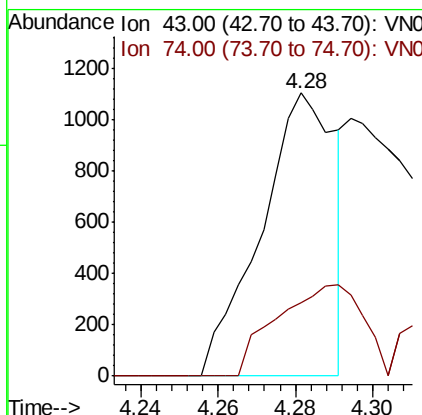
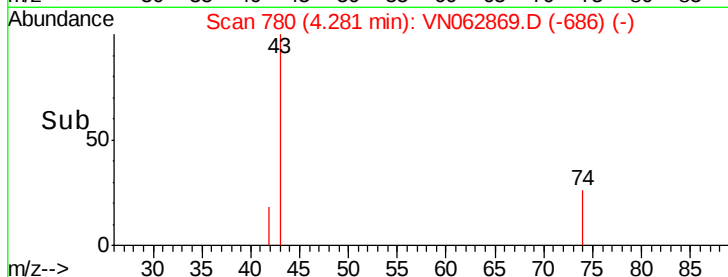
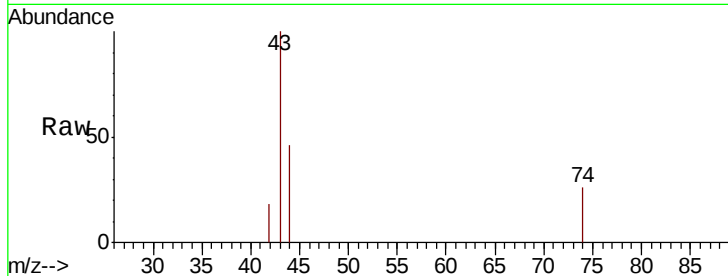




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062869.D
Acq: 12 Aug 2020 20:14

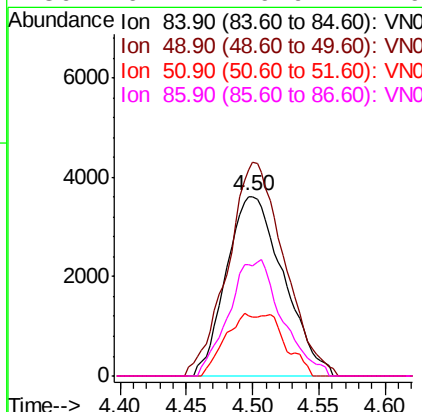
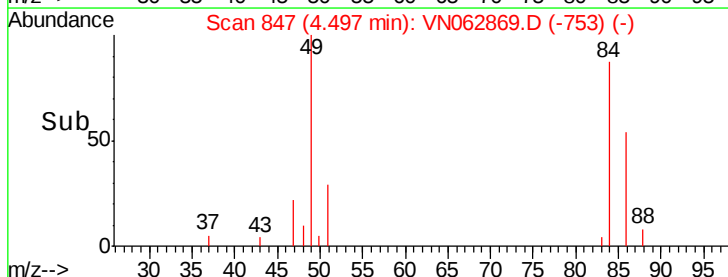
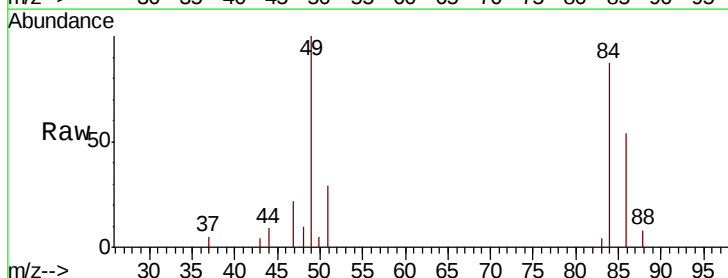
Instrument :
MSVOA_N
ClientSampled :
EO-02-081120

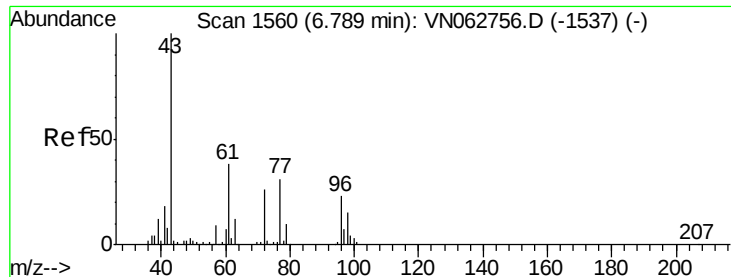
Tot Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
74 37.3 18.6 28.0#



#20
Methylene Chloride
Concen: 7.322 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062869.D
Acq: 12 Aug 2020 20:14

Tgt Ion: 84 Resp: 10879
Ion Ratio Lower Upper
84 100
49 114.7 103.4 155.2
51 33.8 29.3 43.9
86 61.7 49.9 74.9





#25

2-Butanone

Concen: 2.990 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.02 min

Lab File: VN062869.D

Acq: 12 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

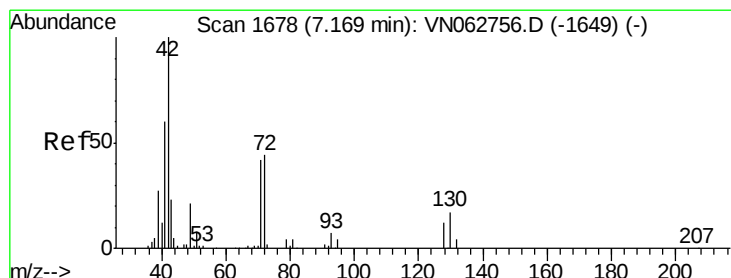
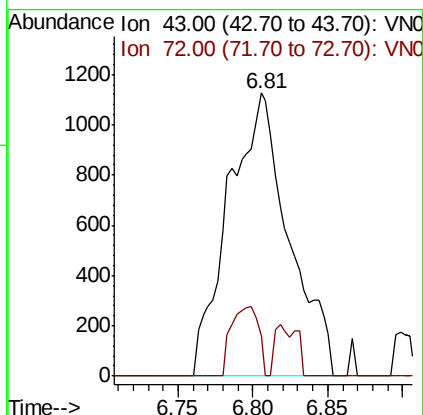
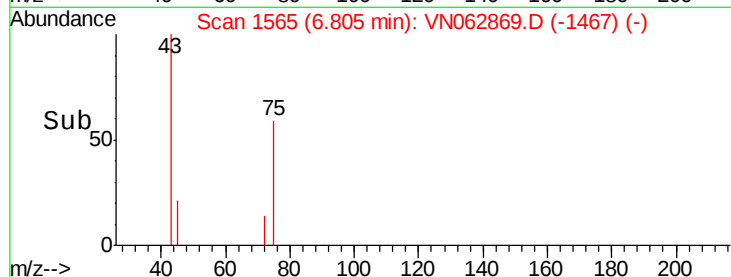
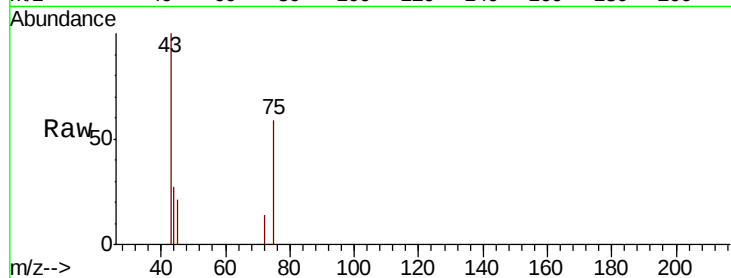
EO-02-081120

Tot Ion: 43 Resp: 3158

Ion Ratio Lower Upper

43 100

72 14.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 0.612 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN062869.D

Acq: 12 Aug 2020 20:14

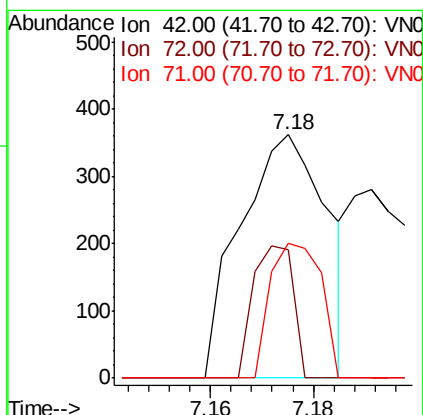
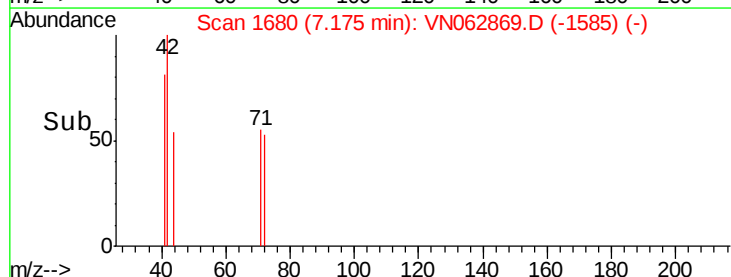
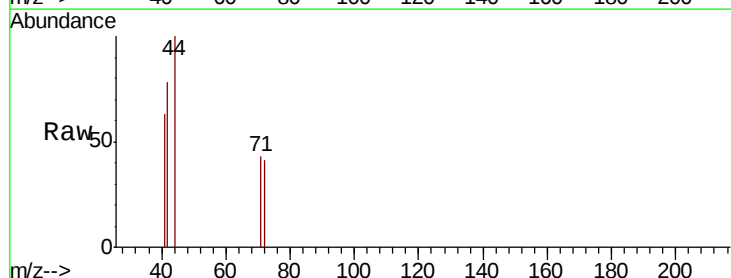
Tgt Ion: 42 Resp: 420

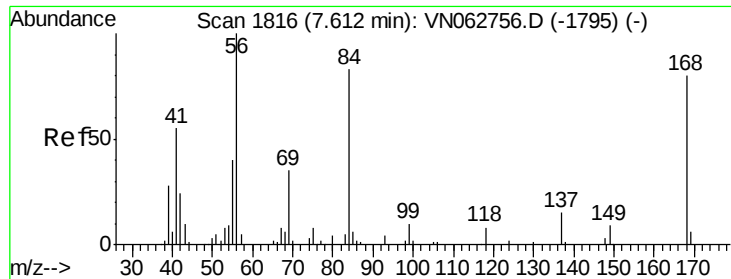
Ion Ratio Lower Upper

42 100

72 25.0 35.0 52.4#

71 32.6 33.2 49.8#

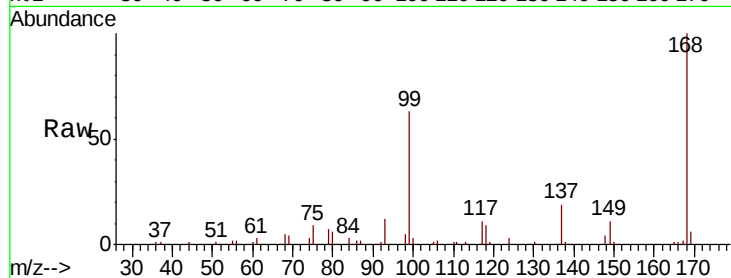




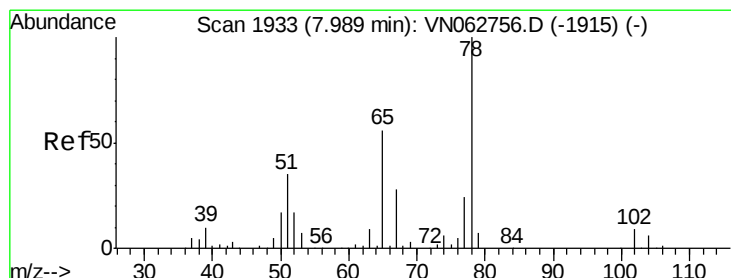
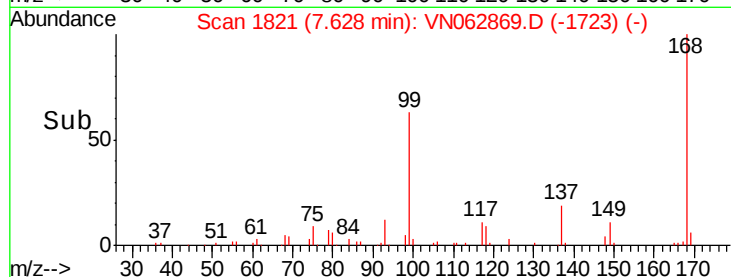
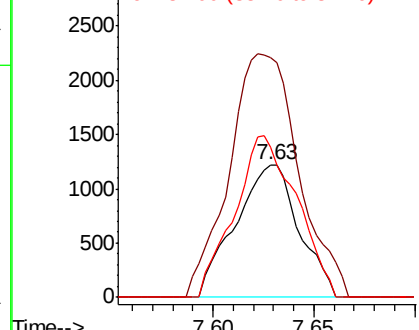
#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062869.D
Acq: 12 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
EO-02-081120

Tot Ion: 56 Resp: 2671
Ion Ratio Lower Upper
56 100
69 165.6 28.1 42.1#
84 112.9 66.8 100.2#

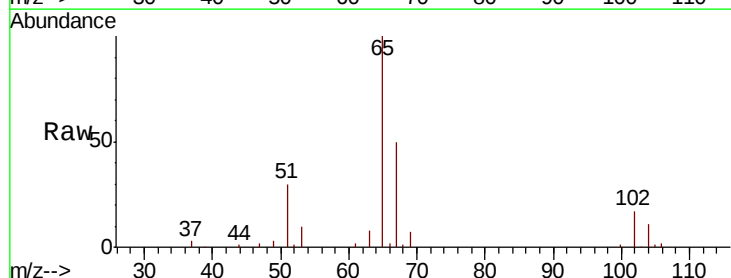


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

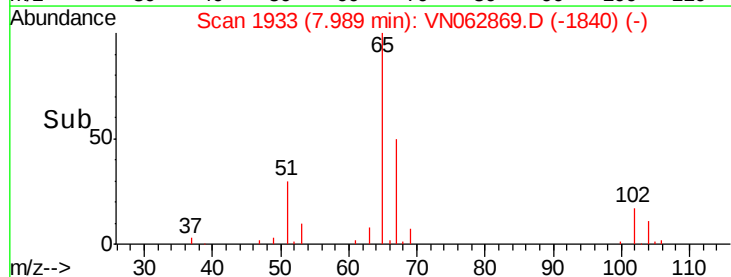
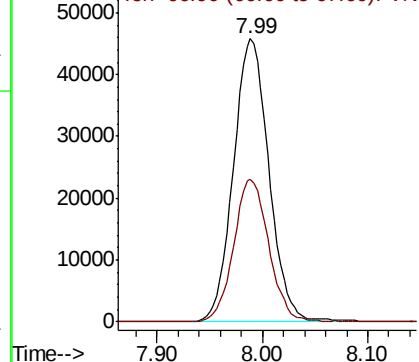


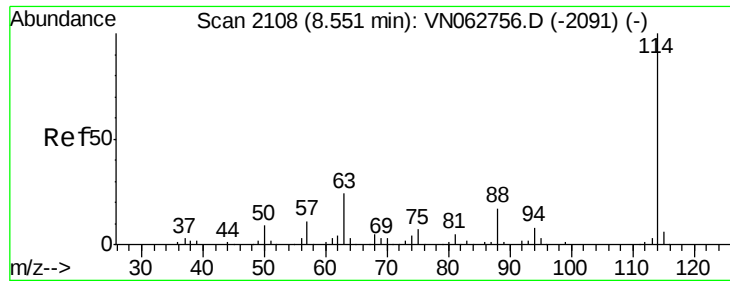
#33
1,2-Dichloroethane-d4
Concen: 51.853 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062869.D
Acq: 12 Aug 2020 20:14

Tgt Ion: 65 Resp: 107022
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062869.D

Acq: 12 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

EO-02-081120

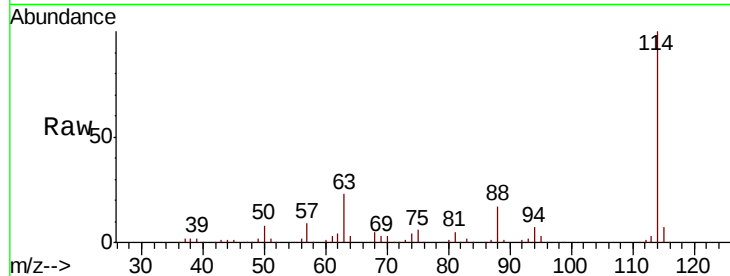
Tot Ion:114 Resp: 227357

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.6

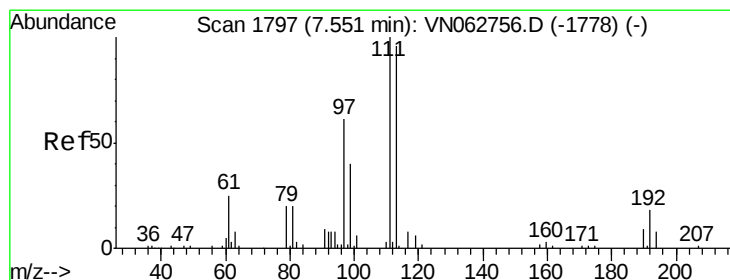
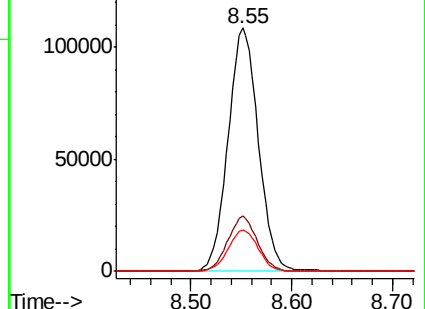
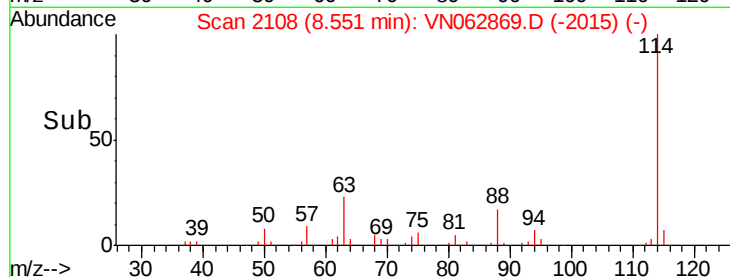
88 16.8 0.0 34.4



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: 47.926 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062869.D

Acq: 12 Aug 2020 20:14

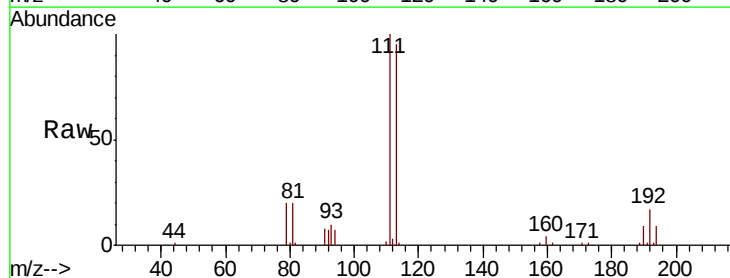
Tgt Ion:113 Resp: 74537

Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.6

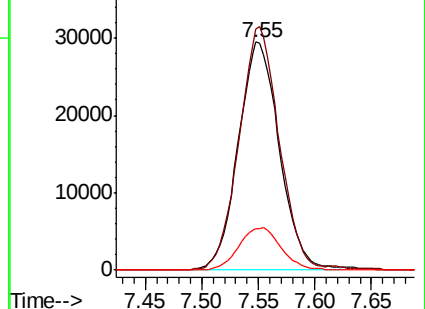
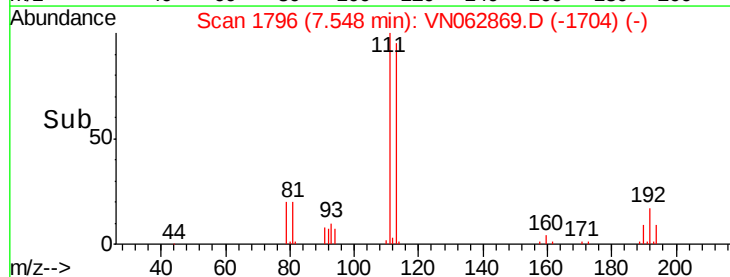
192 18.8 15.0 22.4

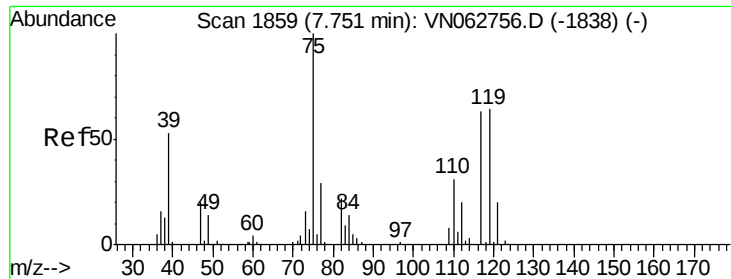


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

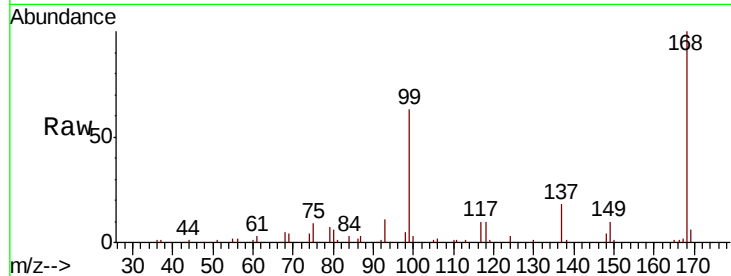




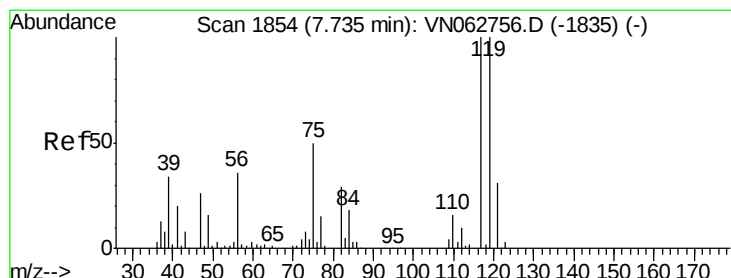
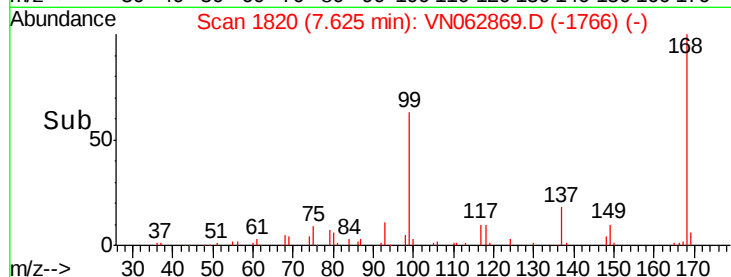
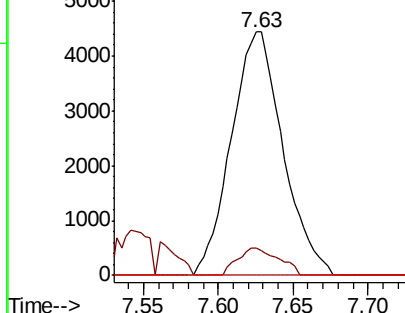
#36
 1,1-Dichloropropene
 Concen: 4.827 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062869.D
 Acq: 12 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-02-081120

Tot Ion	75	Resp	10687
Ion Ratio	Lower	Upper	
75	100		
110	8.8	15.6	46.7#
77	0.0	24.1	36.1#

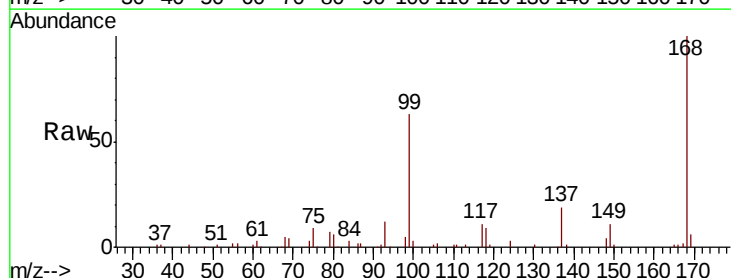


Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-1838) (-)
 Ion 109.90 (109.60 to 110.60): VN062756.D (-1838) (-)
 Ion 76.90 (76.60 to 77.60): VN062756.D (-1838) (-)

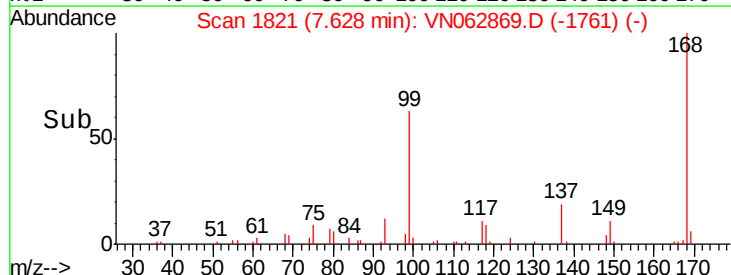
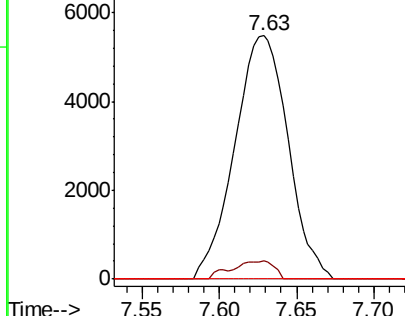


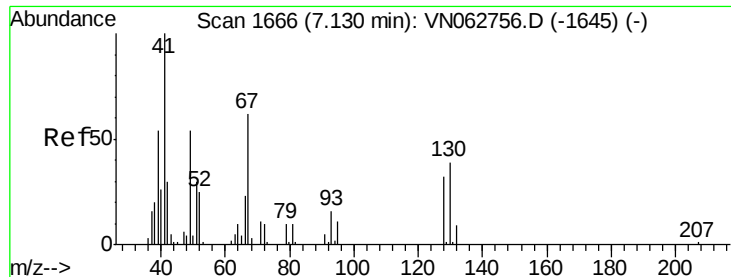
#38
 Carbon Tetrachloride
 Concen: 5.016 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN062869.D
 Acq: 12 Aug 2020 20:14

Tgt Ion	117	Resp	13134
Ion Ratio	Lower	Upper	
117	100		
119	7.4	79.4	119.2#
121	0.0	24.9	37.3#



Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-1835) (-)
 Ion 118.80 (118.50 to 119.50): VN062756.D (-1835) (-)
 Ion 120.80 (120.50 to 121.50): VN062756.D (-1835) (-)

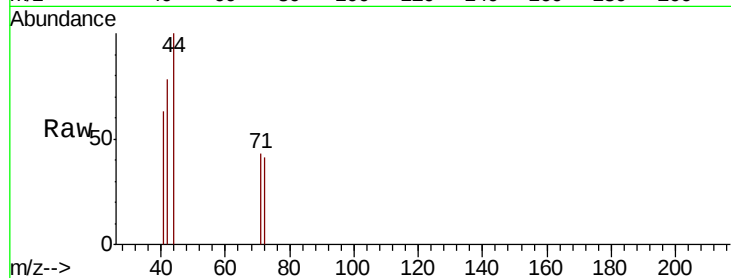




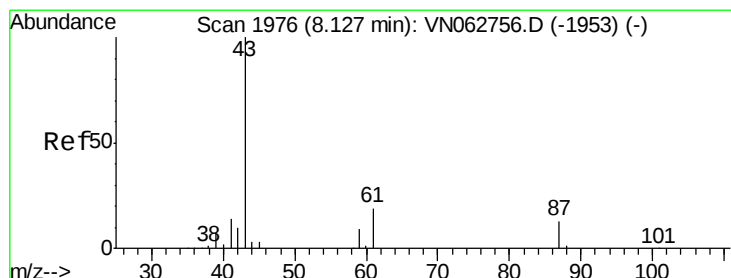
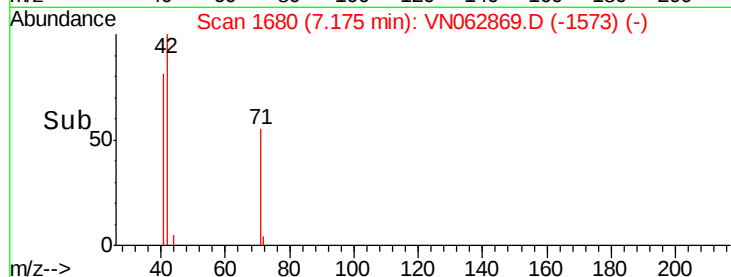
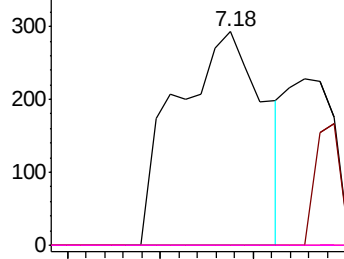
#41
Methacrylonitrile
Concen: 0.369 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.04 min
Lab File: VN062869.D
Acq: 12 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampled :
EO-02-081120

Tot Ion:	41	Resp:	385
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

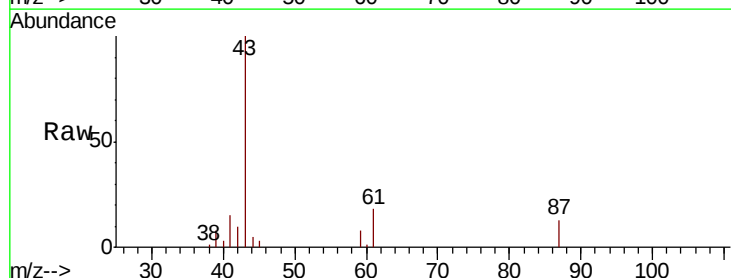


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

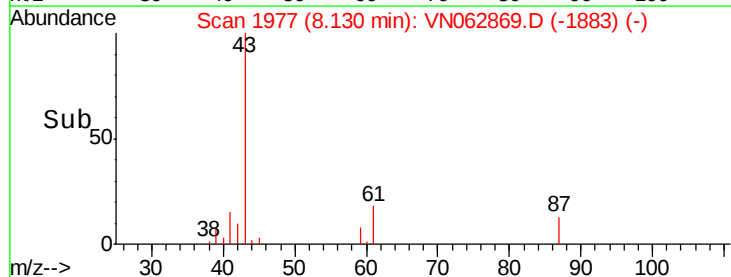
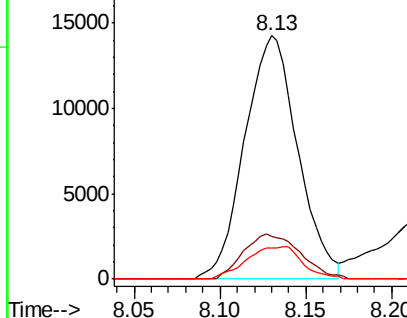


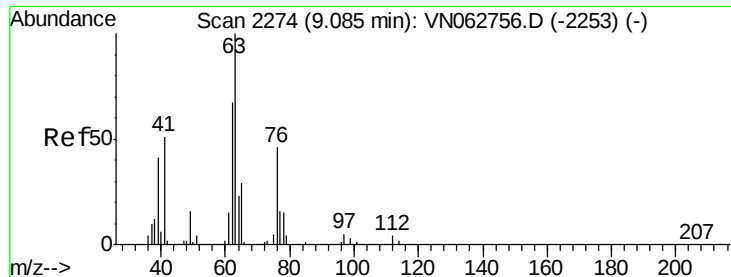
#43
Isopropyl Acetate
Concen: 7.912 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN062869.D
Acq: 12 Aug 2020 20:14

Tgt Ion:	43	Resp:	30517
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.6
87	14.0	9.9	14.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

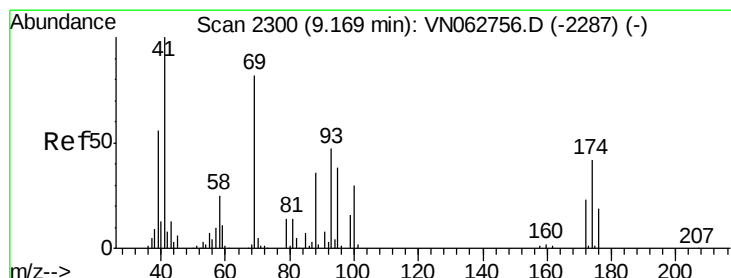
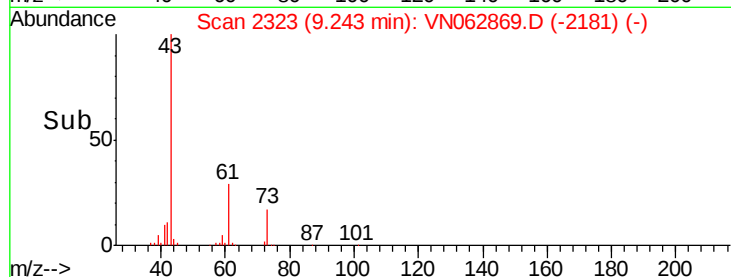
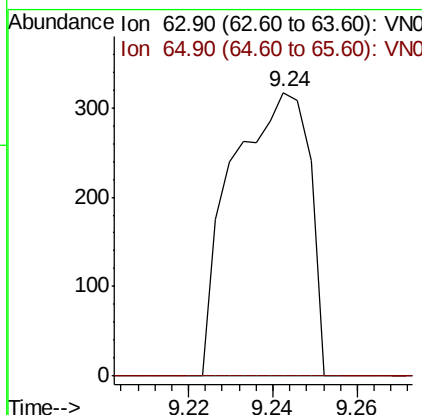
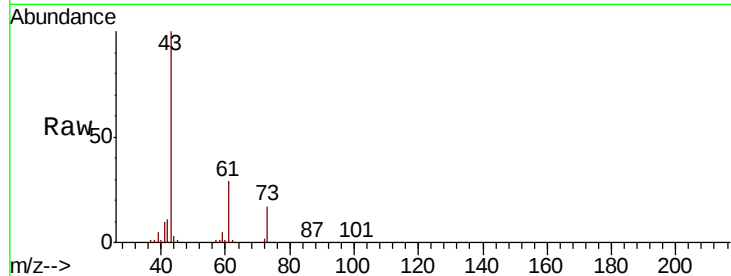




#45
 1,2-Dichloropropane
 Concen: 0.225 ug/l
 RT: 9.24 min Scan# 2323
 Delta R.T. 0.16 min
 Lab File: VN062869.D
 Acq: 12 Aug 2020 20:14

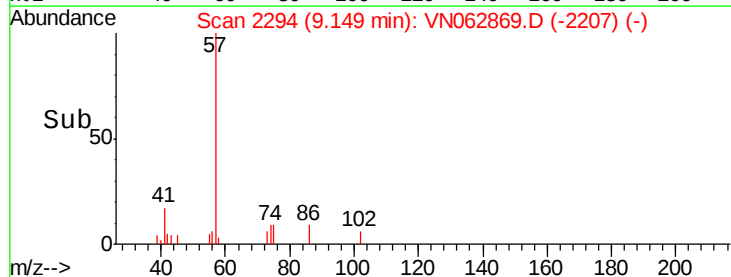
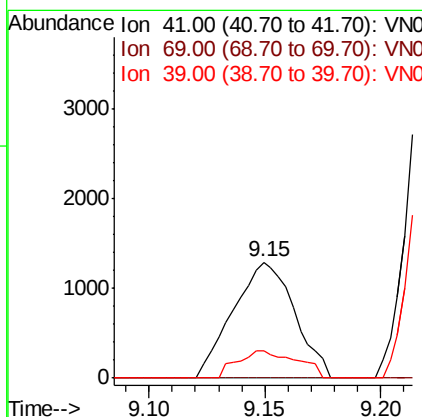
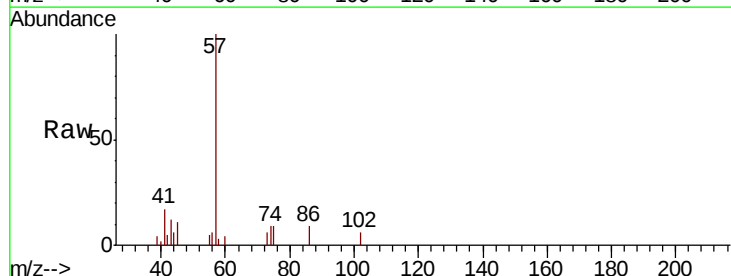
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-02-081120

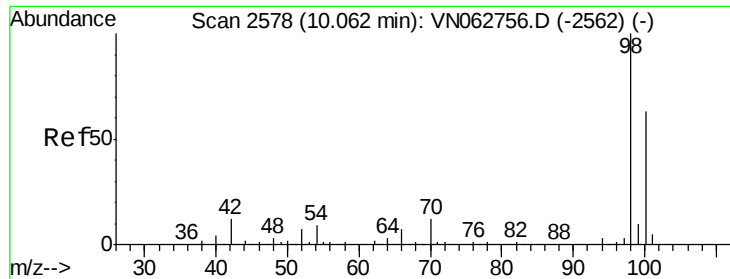
Tot Ion: 63 Resp: 403
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.5 35.3#



#48
 Methyl methacrylate
 Concen: 1.253 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. -0.02 min
 Lab File: VN062869.D
 Acq: 12 Aug 2020 20:14

Tgt Ion: 41 Resp: 2377
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.4 101.2#
 39 0.0 47.6 71.4#

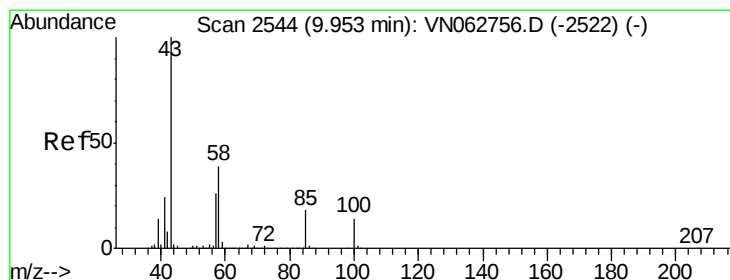
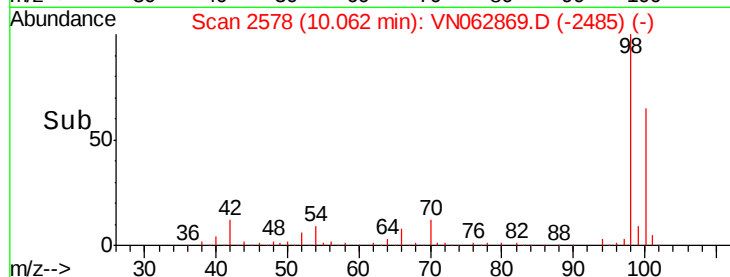
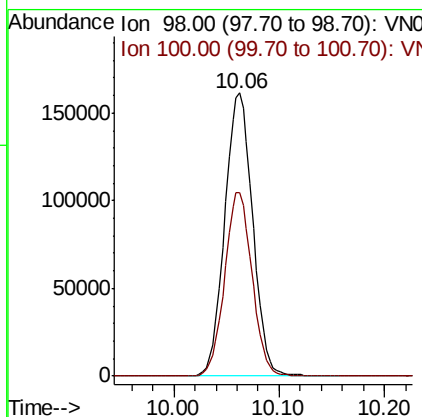
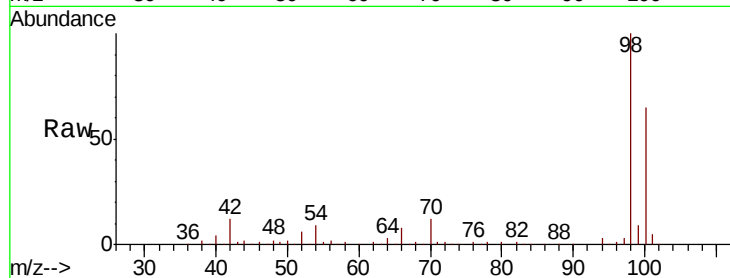




#50
Toluene-d8
Concen: 48.698 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062869.D
Acq: 12 Aug 2020 20:14

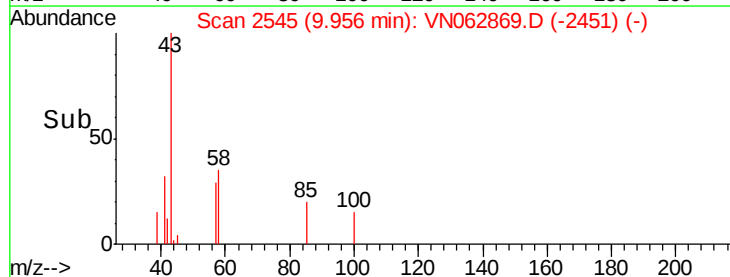
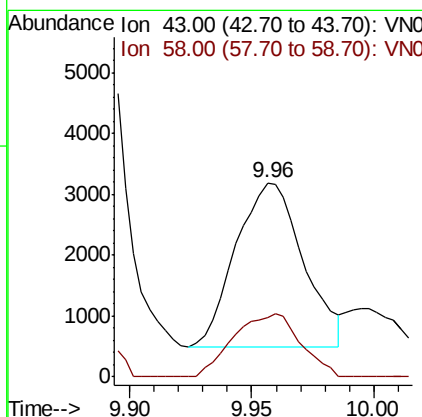
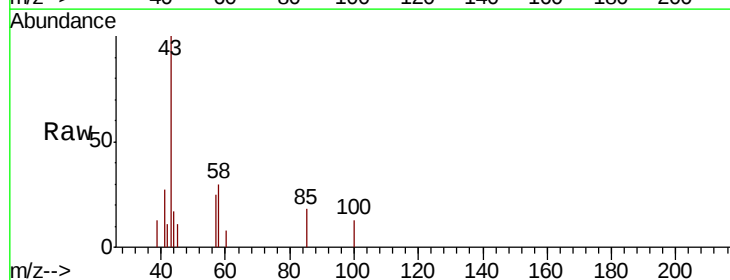
Instrument :
MSVOA_N
ClientSampled :
EO-02-081120

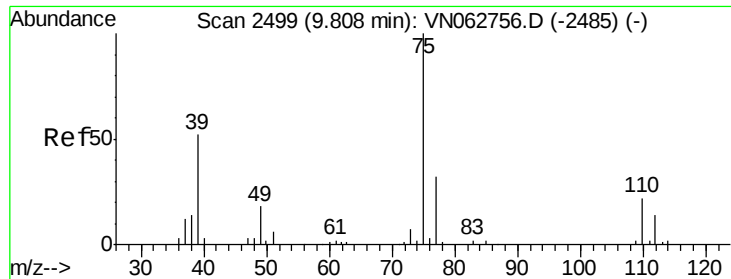
Tot Ion: 98 Resp: 295687
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 2.086 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062869.D
Acq: 12 Aug 2020 20:14

Tgt Ion: 43 Resp: 5207
Ion Ratio Lower Upper
43 100
58 38.1 31.1 46.7





#54

cis-1,3-Dichloropropene

Concen: 5.143 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062869.D

Acq: 12 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampled :

EO-02-081120

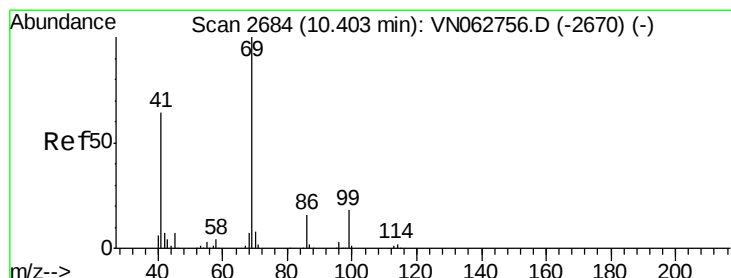
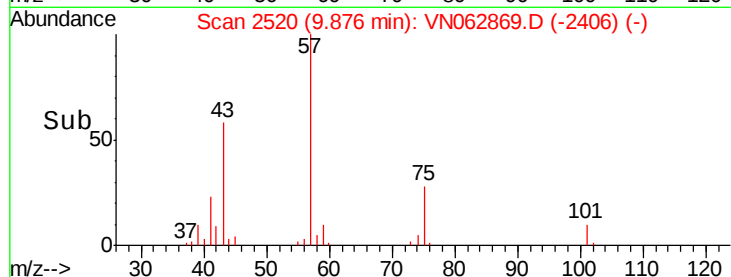
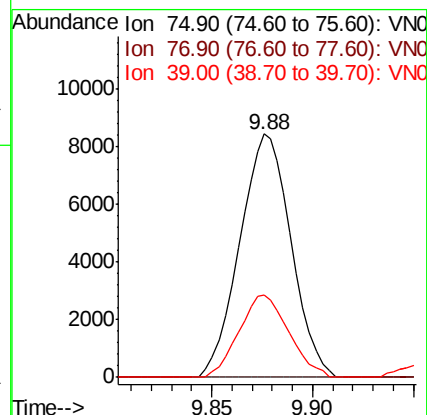
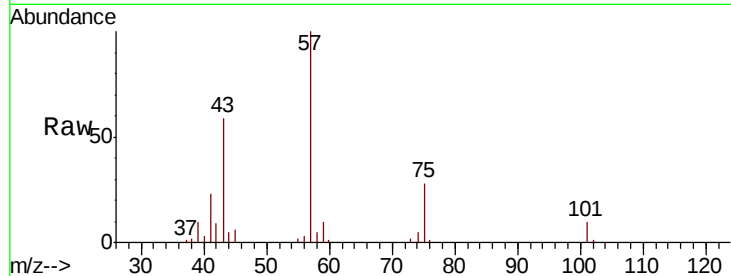
Tot Ion: 75 Resp: 14945

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 33.9 41.9 62.9#



#56

Ethyl methacrylate

Concen: 0.385 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.11 min

Lab File: VN062869.D

Acq: 12 Aug 2020 20:14

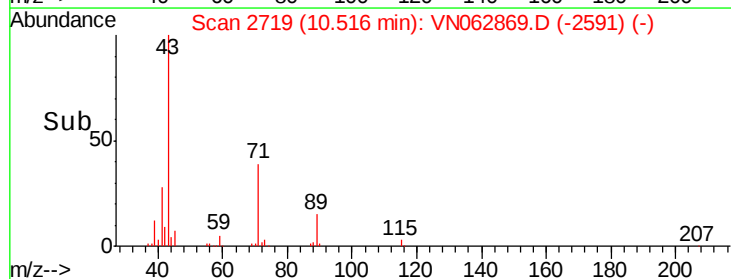
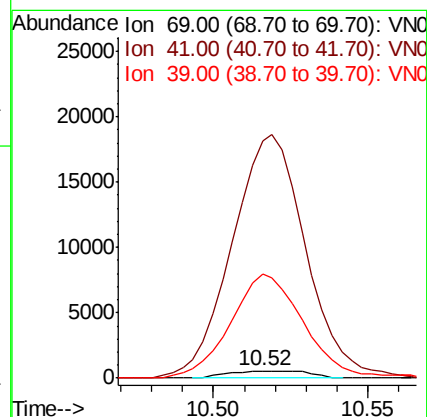
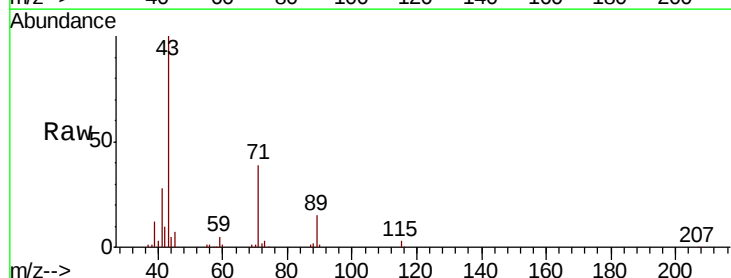
Tgt Ion: 69 Resp: 1010

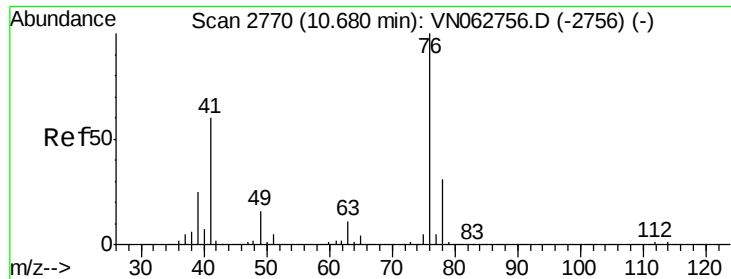
Ion Ratio Lower Upper

69 100

41 3067.6 52.2 78.2#

39 1300.4 30.9 46.3#

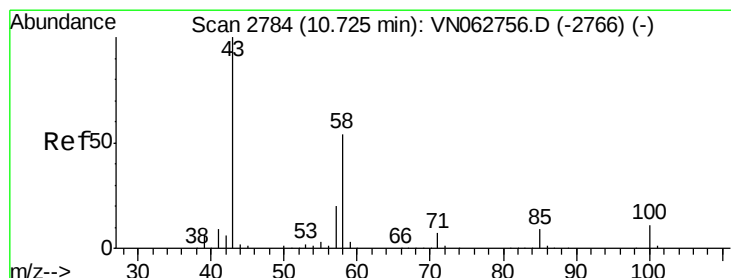
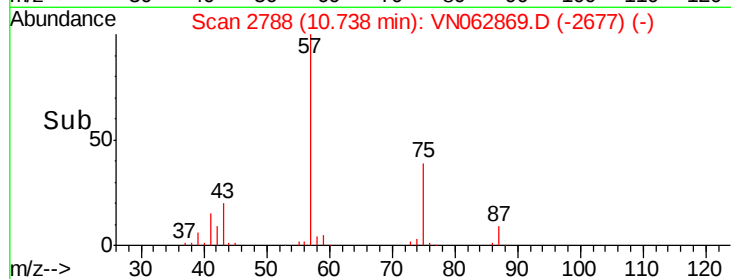
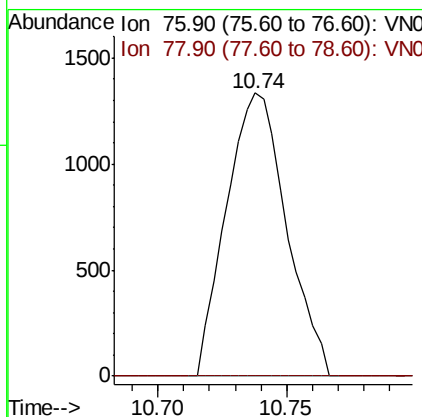
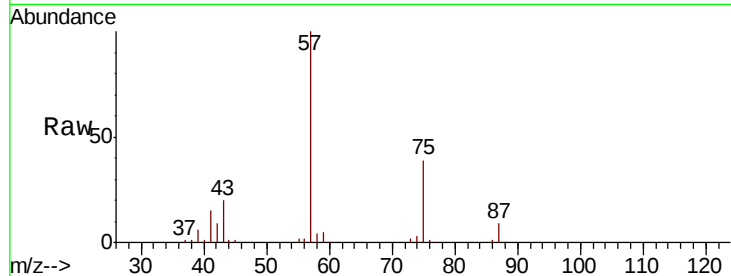




#57
 1,3-Dichloropropane
 Concen: 0.729 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062869.D
 Acq: 12 Aug 2020 20:14

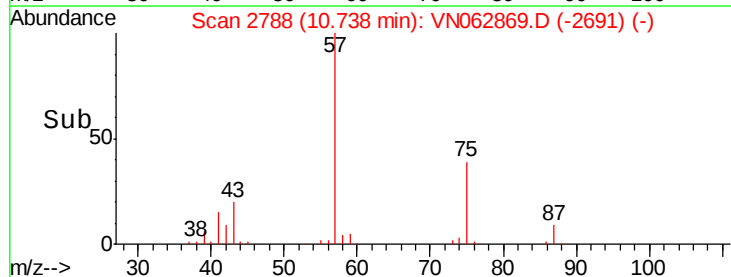
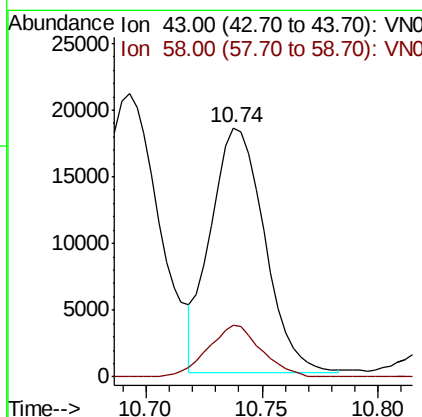
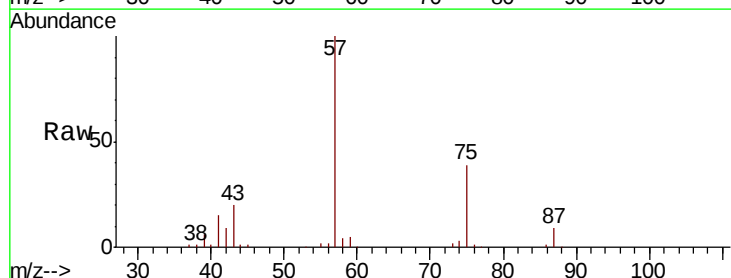
Instrument :
 MSVOA_N
 ClientSampled :
 EO-02-081120

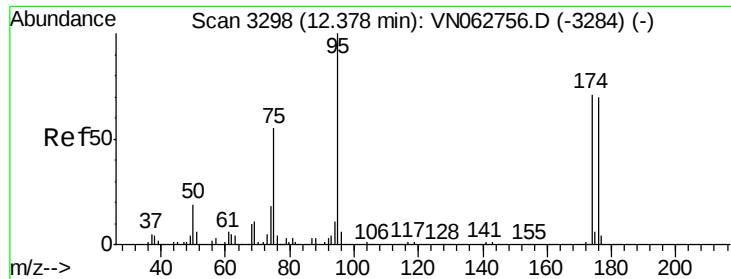
Tot Ion: 76 Resp: 2159
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#59
 2-Hexanone
 Concen: 15.887 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN062869.D
 Acq: 12 Aug 2020 20:14

Tgt Ion: 43 Resp: 29575
 Ion Ratio Lower Upper
 43 100
 58 20.8 26.7 80.1#

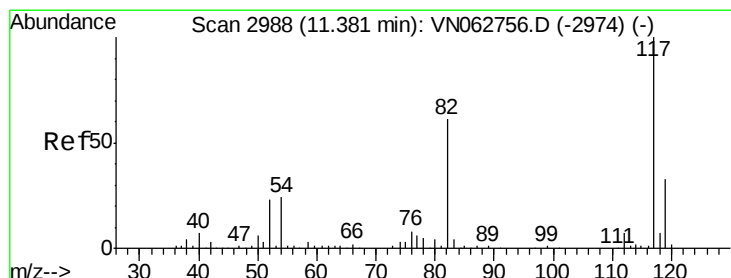
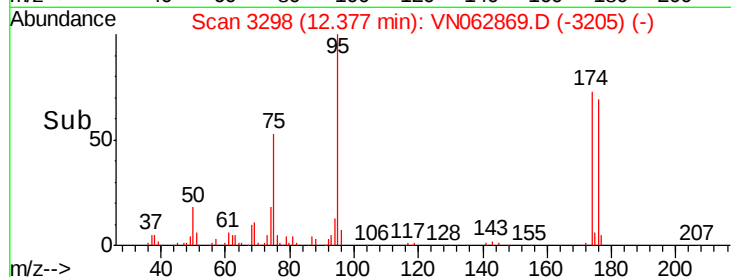
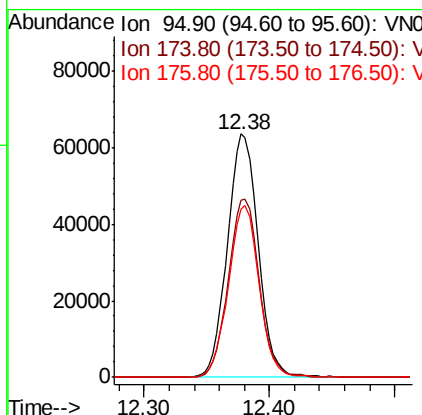
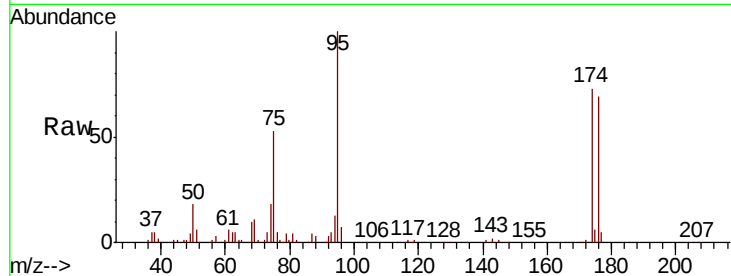




#62
4-Bromofluorobenzene
Concen: 47.192 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062869.D
Acq: 12 Aug 2020 20:14

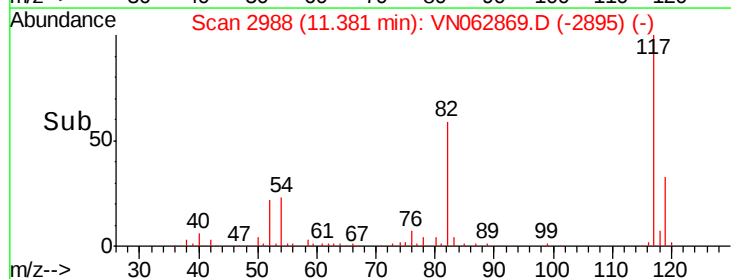
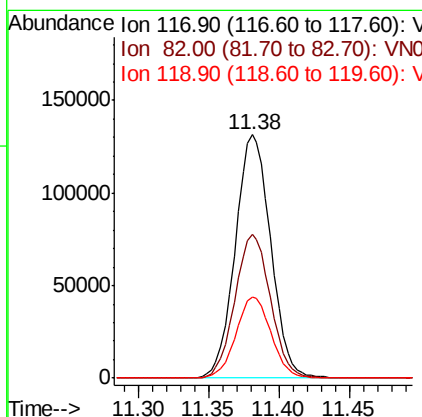
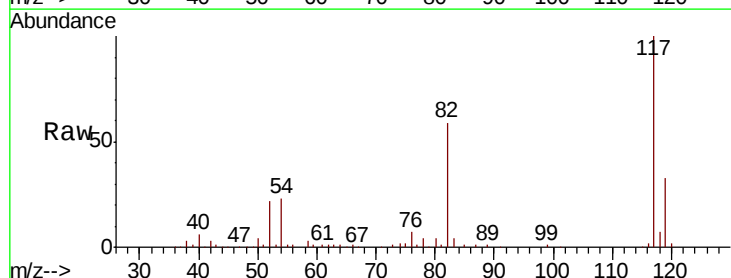
Instrument :
MSVOA_N
ClientSampleId :
EO-02-081120

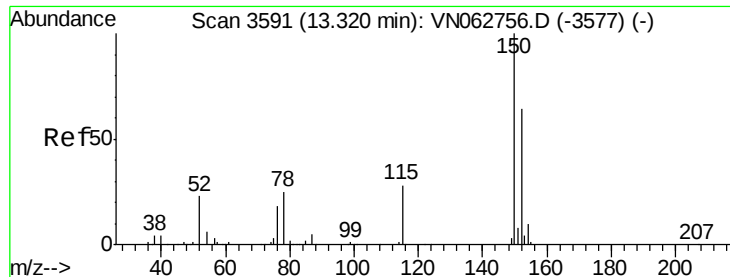
Tot Ion: 95 Resp: 108285
Ion Ratio Lower Upper
95 100
174 73.8 0.0 144.8
176 70.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062869.D
Acq: 12 Aug 2020 20:14

Tgt Ion: 117 Resp: 231972
Ion Ratio Lower Upper
117 100
82 59.0 49.0 73.4
119 33.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062869.D

Acq: 12 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampled :

EO-02-081120

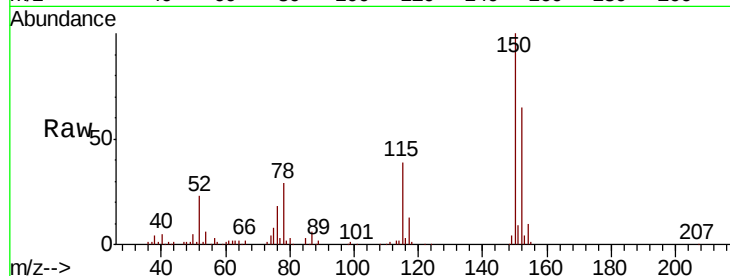
Tot Ion:152 Resp: 84937

Ion Ratio Lower Upper

152 100

115 60.8 31.6 94.8

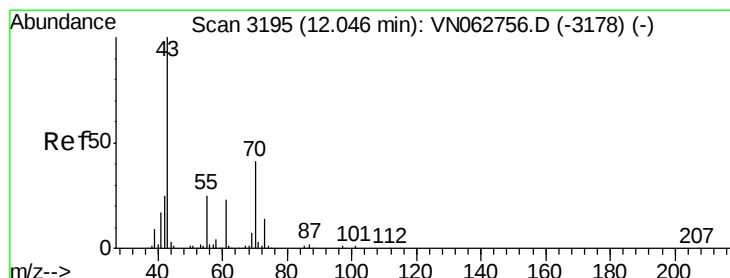
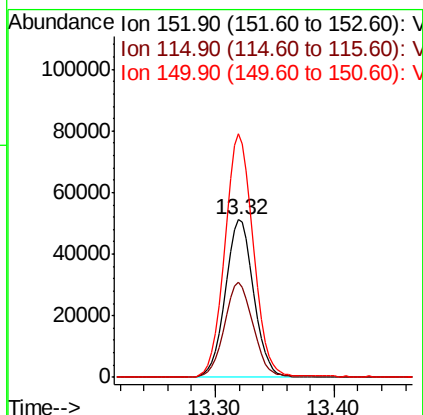
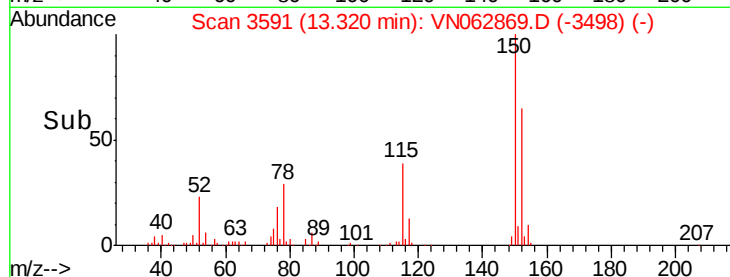
150 154.8 0.0 349.2



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: 0.548 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062869.D

Acq: 12 Aug 2020 20:14

Tgt Ion: 43 Resp: 1421

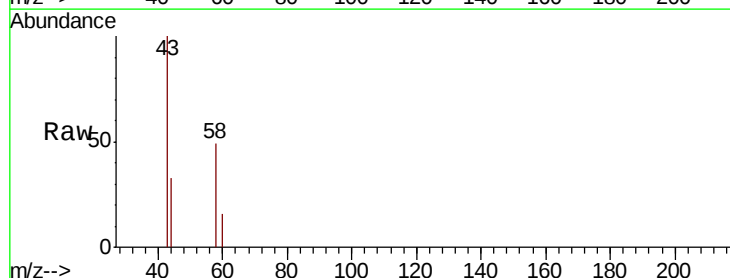
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

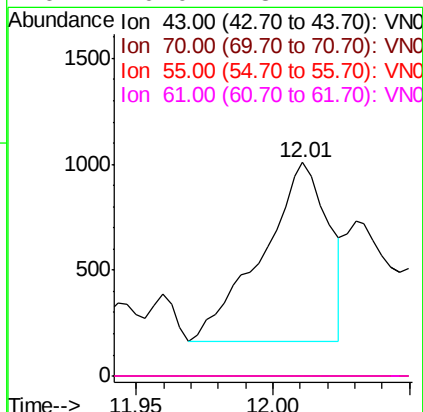
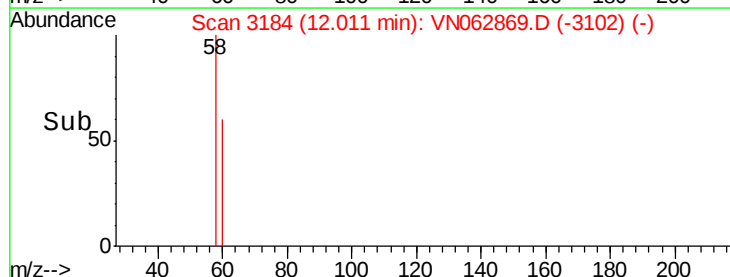


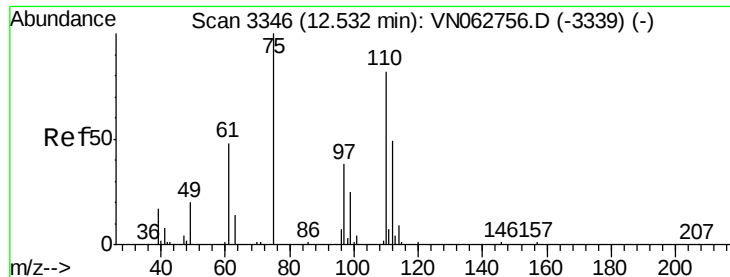
Abundance Ion 43.00 (42.70 to 43.70): VN0

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

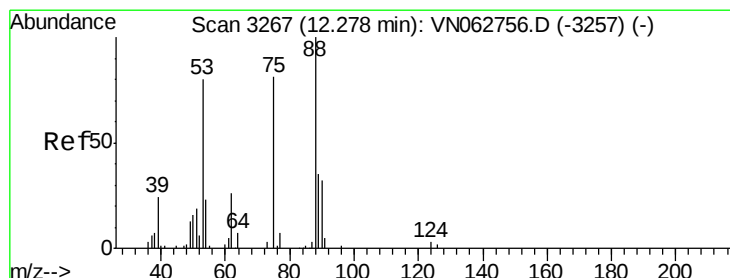
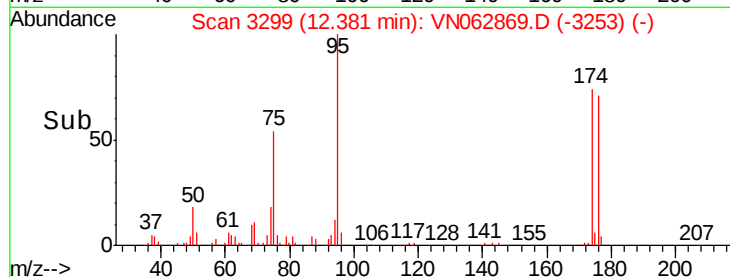
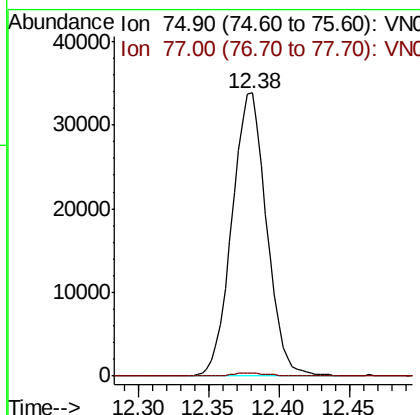
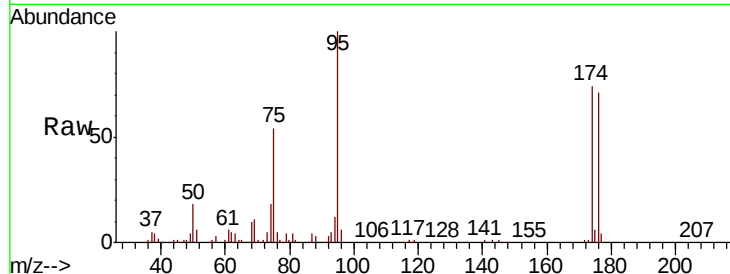




#76
 1,2,3-Trichloropropane
 Concen: 25.418 ug/l
 RT: 12.38 min Scan# 3299
 Delta R.T. -0.15 min
 Lab File: VN062869.D
 Acq: 12 Aug 2020 20:14

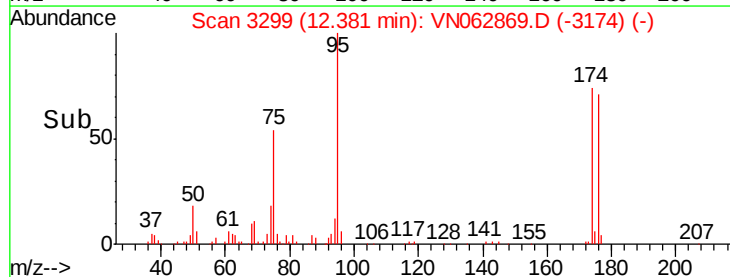
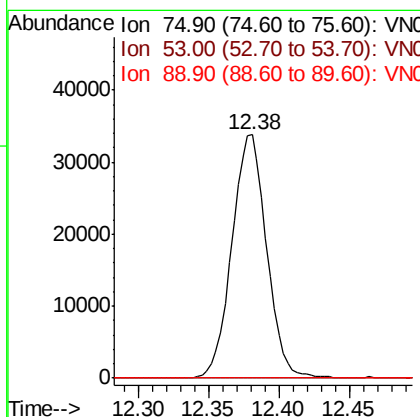
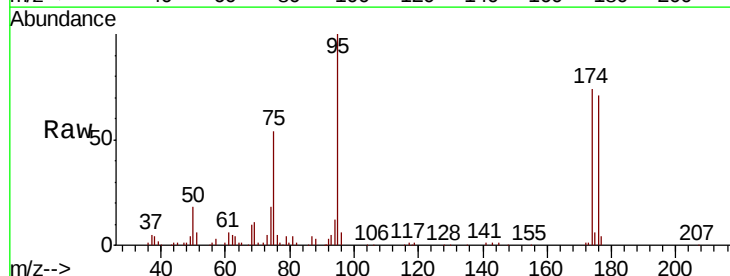
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-02-081120

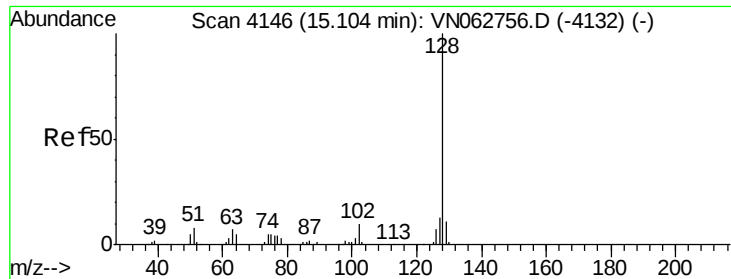
Tot Ion: 75 Resp: 58223
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.593 ug/l
 RT: 12.38 min Scan# 3299
 Delta R.T. 0.10 min
 Lab File: VN062869.D
 Acq: 12 Aug 2020 20:14

Tgt Ion: 75 Resp: 58223
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 3.758 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062869.D

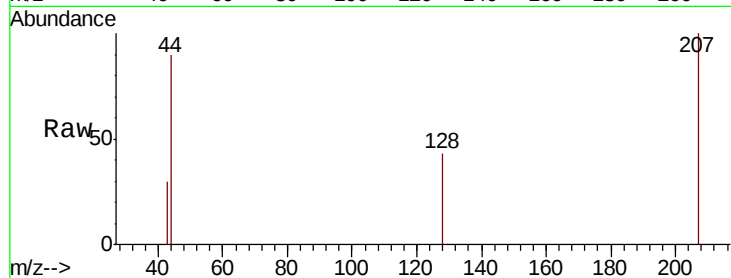
Acq: 12 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

EO-02-081120



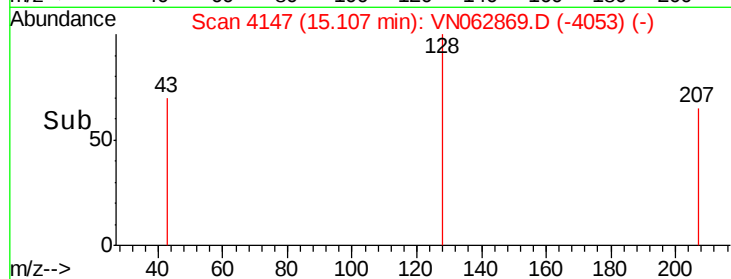
Tot Ion:128 Resp: 212

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

