

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072920\
 Data File : VN062650.D
 Acq On : 29 Jul 2020 13:26
 Operator : JC/MD
 Sample : PB130572ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 30 03:01:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	145813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	257488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	98461	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	123354	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
35) Dibromofluoromethane	7.55	113	87248	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
50) Toluene-d8	10.06	98	344870	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.38	95	127615	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	

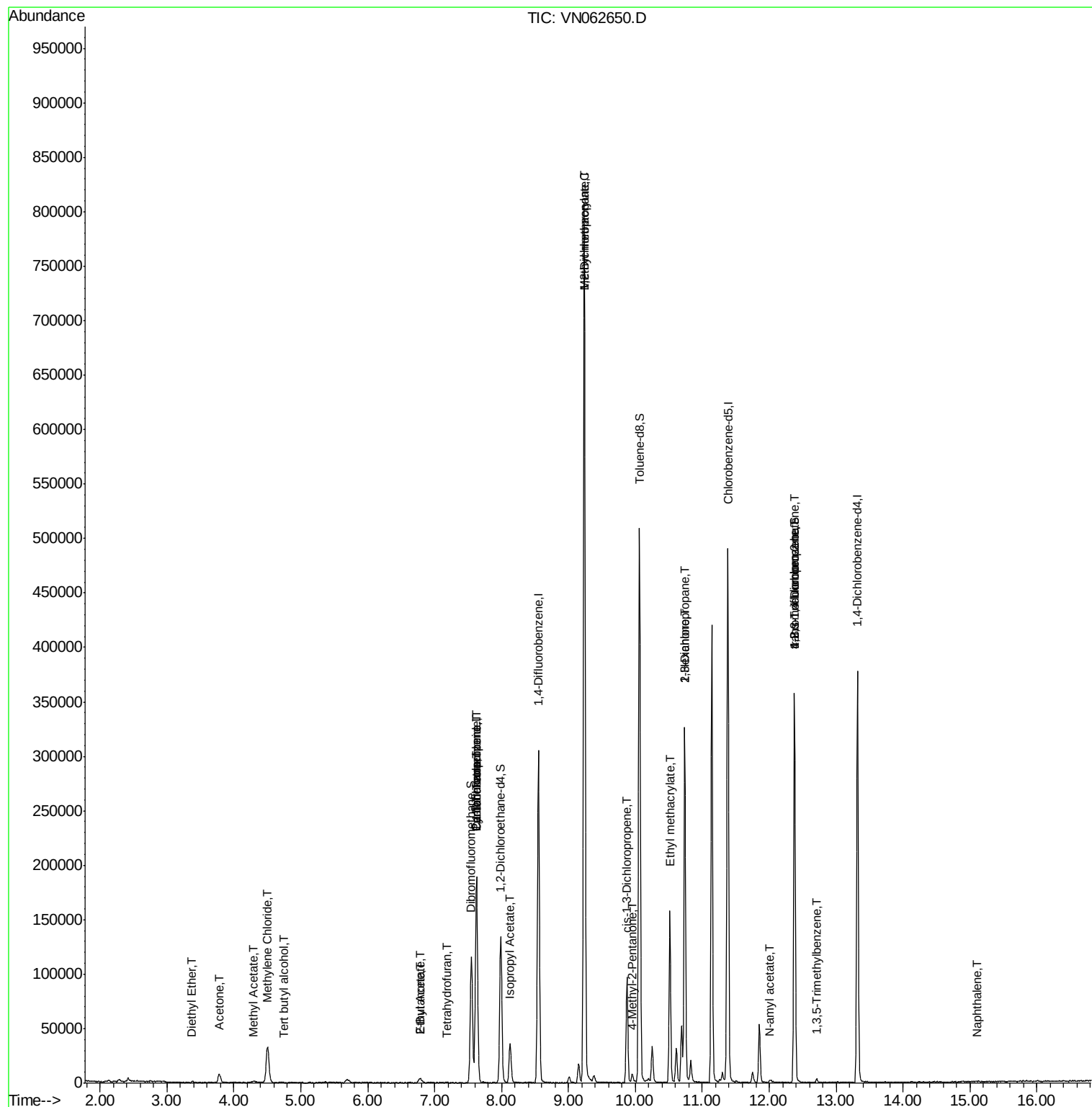
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	409	0.364	ug/l	74
11) Tert butyl alcohol	4.74	59	221	0.613	ug/l #	73
16) Acetone	3.78	43	14660	17.199	ug/l	99
18) Methyl Acetate	4.29	43	2687	1.245	ug/l #	83
20) Methylene Chloride	4.51	84	23830	11.656	ug/l	96
25) 2-Butanone	6.80	43	2559	1.971	ug/l #	83
29) Tetrahydrofuran	7.19	42	683	0.778	ug/l #	38
31) Cyclohexane	7.62	56	1815	0.544	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	13124	4.782	ug/l #	47
37) Ethyl Acetate	6.80	43	2559	0.865	ug/l #	69
38) Carbon Tetrachloride	7.63	117	15282	5.793	ug/l #	17
43) Isopropyl Acetate	8.13	43	43174	9.053	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	794	0.340	ug/l #	44
48) Methyl methacrylate	9.24	41	76628	33.799	ug/l #	44
51) 4-Methyl-2-Pentanone	9.95	43	4916	1.723	ug/l	93
54) cis-1,3-Dichloropropene	9.88	75	16087	4.610	ug/l #	64
56) Ethyl methacrylate	10.52	69	782	1.993	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3111	0.907	ug/l #	42
59) 2-Hexanone	10.74	43	46961	23.986	ug/l #	55
74) N-amyl acetate	12.01	43	1850	0.532	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	70134	27.984	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2106	0.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	70134	77.902	ug/l #	12
95) Naphthalene	15.11	128	437	3.854	ug/l #	69

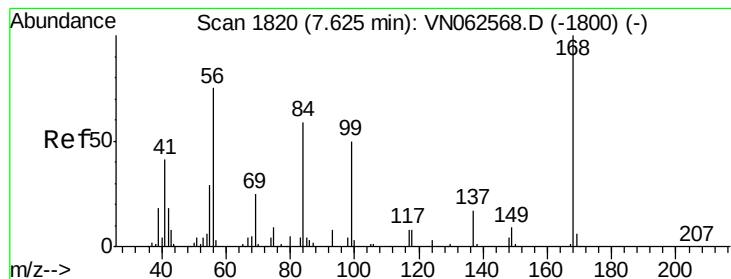
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072920\
Data File : VN062650.D
Acq On : 29 Jul 2020 13:26
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Sample : PB130572ZHE#15
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 30 03:01:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 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: VN062650.D

Acq: 29 Jul 2020 13:26

Instrument :

MSVOA_N

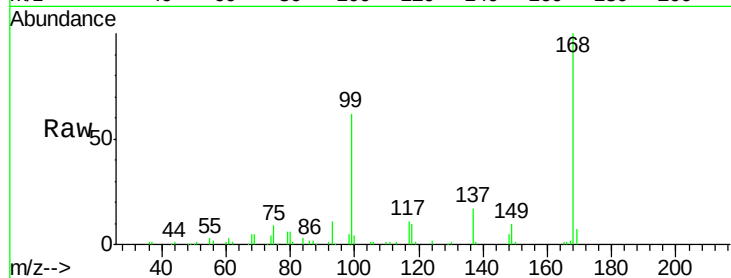
ClientSampled :

Tot Ion:168 Resp: 145813

Ion Ratio Lower Upper

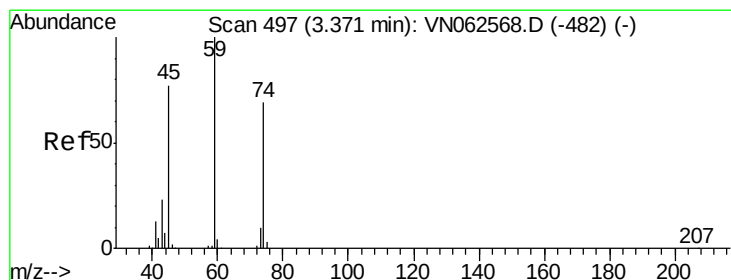
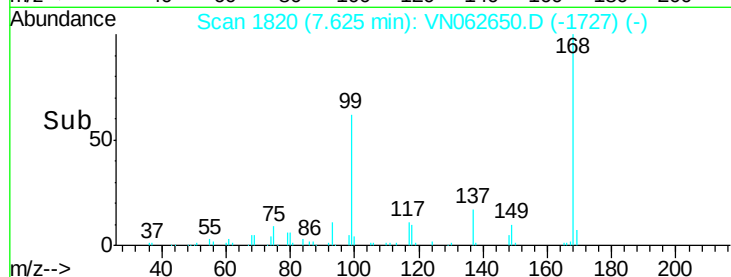
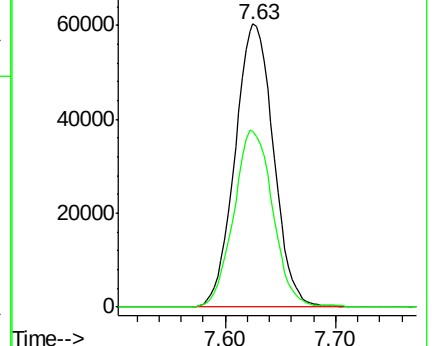
168 100

99 62.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 0.364 ug/l

RT: 3.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VN062650.D

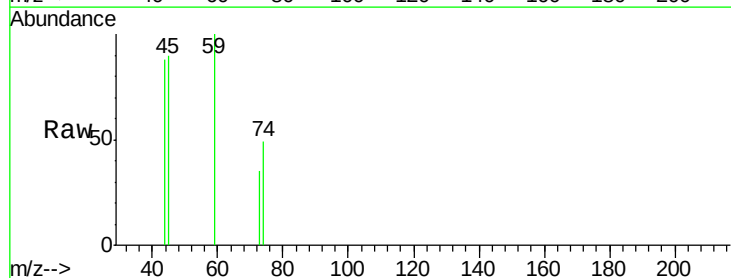
Acq: 29 Jul 2020 13:26

Tgt Ion: 74 Resp: 409

Ion Ratio Lower Upper

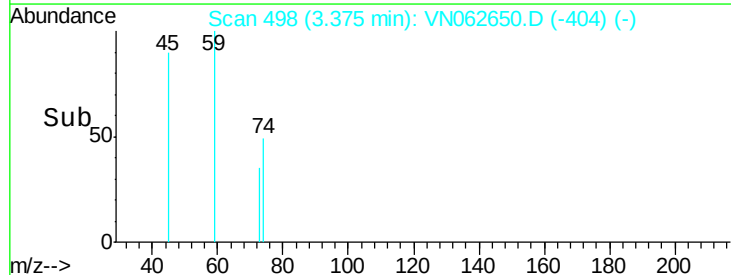
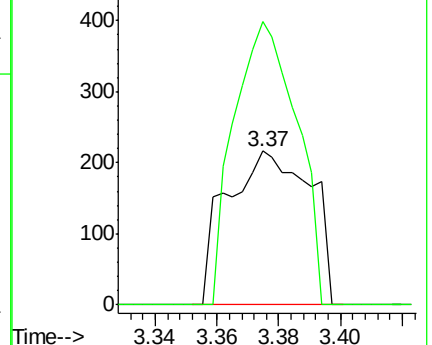
74 100

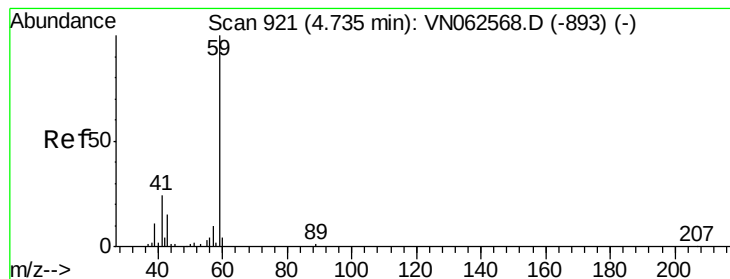
45 137.9 55.3 165.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#11

Tert butyl alcohol

Concen: 0.613 ug/l

RT: 4.74 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN062650.D

Acq: 29 Jul 2020 13:26

Instrument :

MSVOA_N

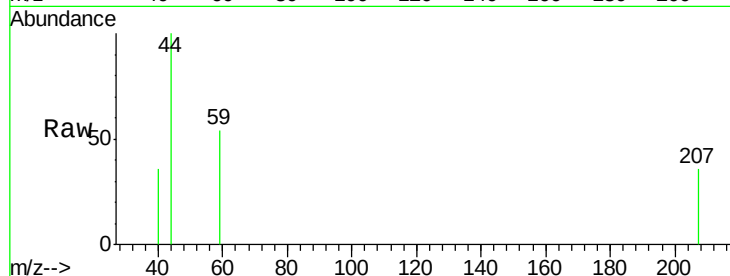
ClientSampled :

Tot Ion: 59 Resp: 221

Ion Ratio Lower Upper

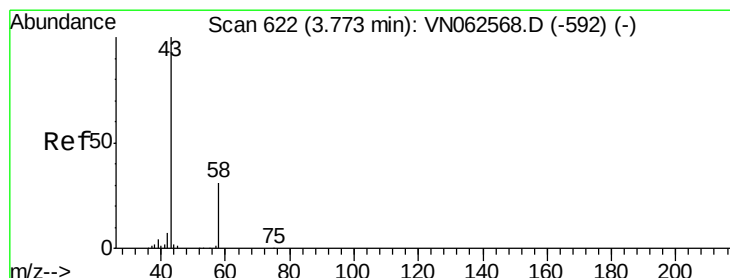
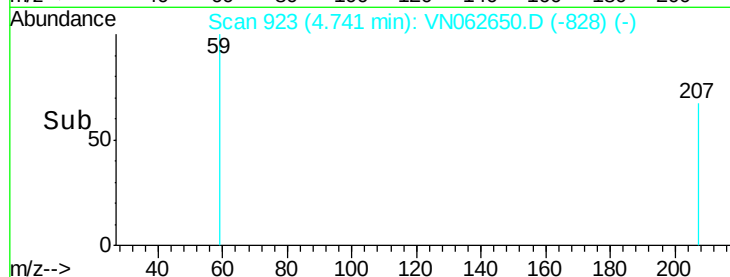
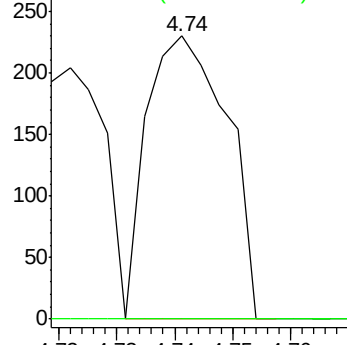
59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: 17.199 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062650.D

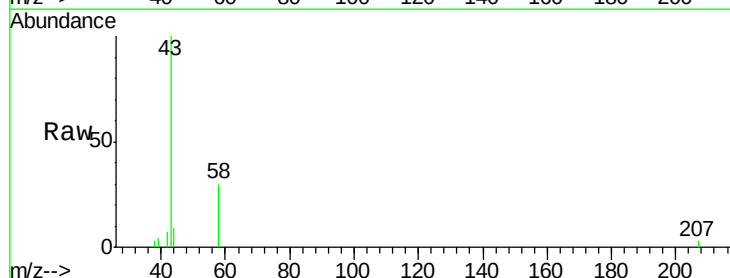
Acq: 29 Jul 2020 13:26

Tgt Ion: 43 Resp: 14660

Ion Ratio Lower Upper

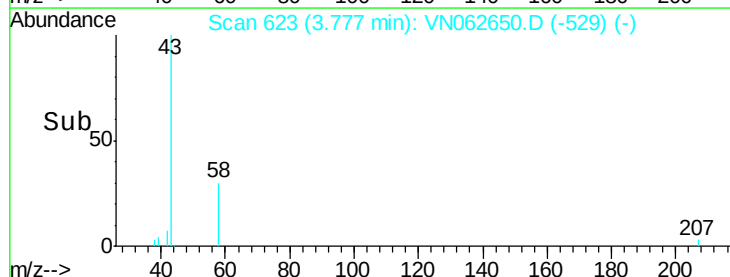
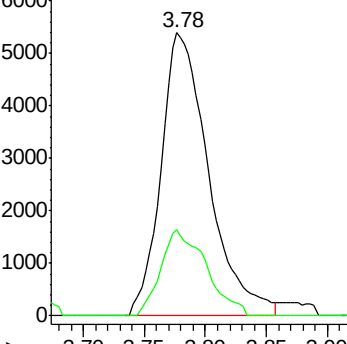
43 100

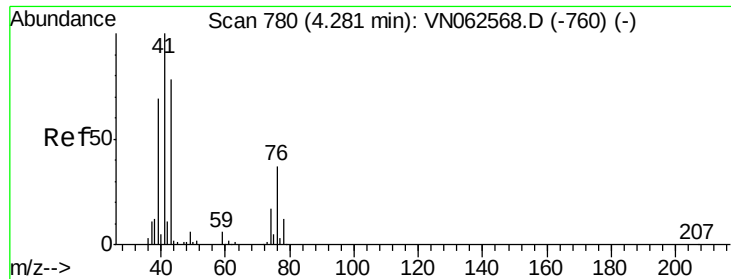
58 30.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

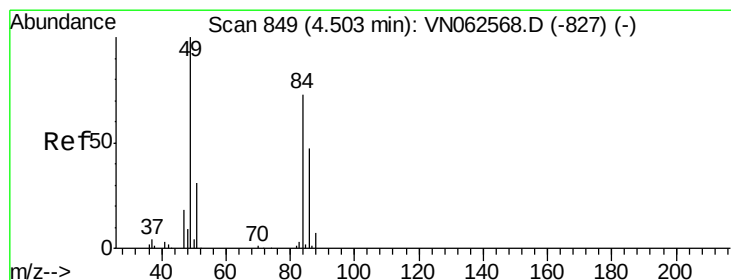
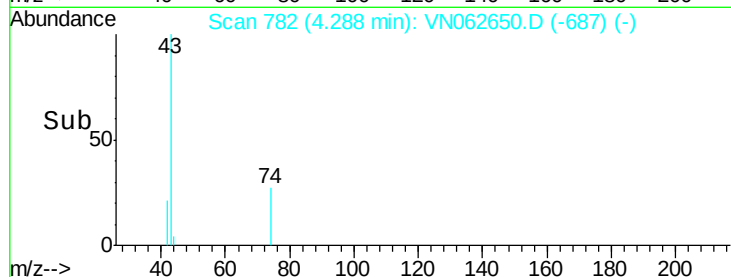
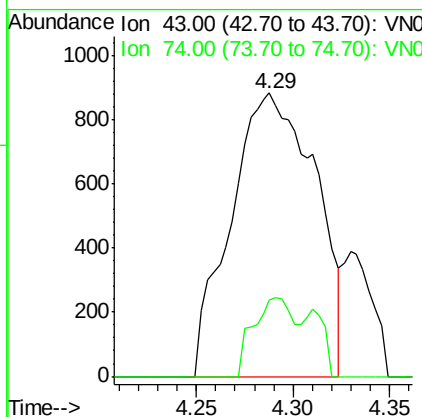
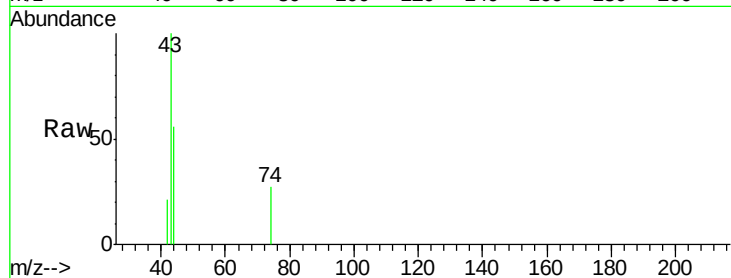




#18
Methvl Acetate
Concen: 1.245 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062650.D
Acq: 29 Jul 2020 13:26

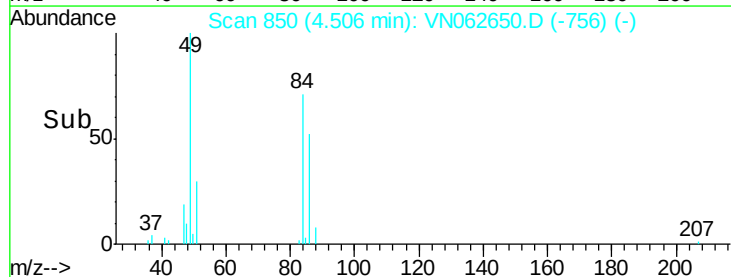
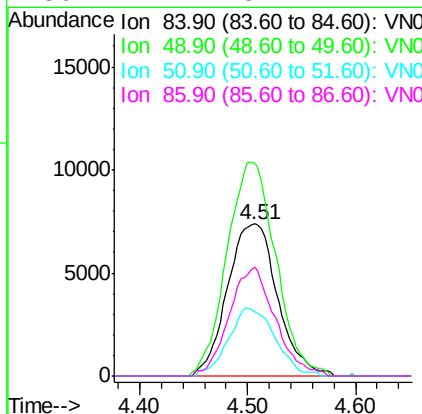
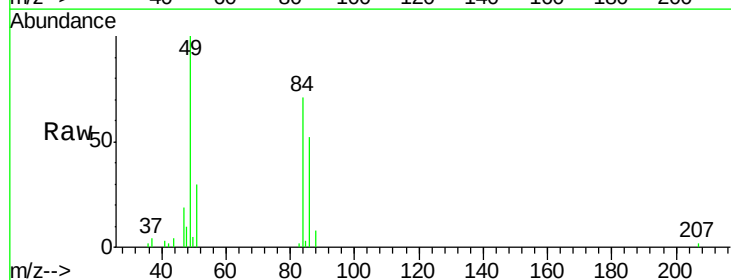
Instrument :
MSVOA_N
ClientSampleId :

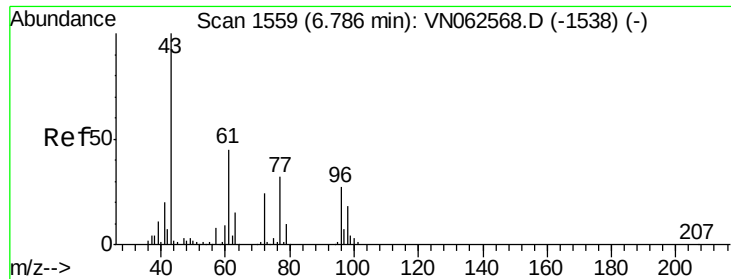
Tot Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
74 12.6 16.6 24.8#



#20
Methylene Chloride
Concen: 11.656 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN062650.D
Acq: 29 Jul 2020 13:26

Tgt Ion: 84 Resp: 23830
Ion Ratio Lower Upper
84 100
49 139.9 109.4 164.0
51 42.1 33.6 50.4
86 72.1 51.4 77.2





#25

2-Butanone

Concen: 1.971 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN062650.D

Acq: 29 Jul 2020 13:26

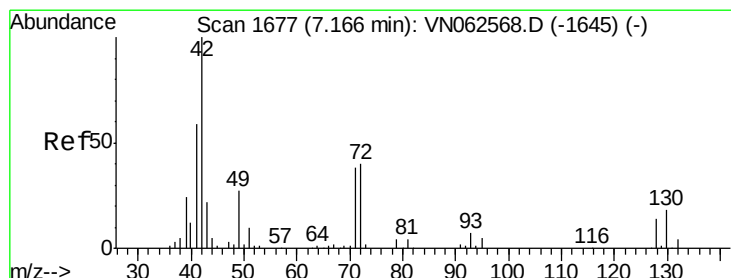
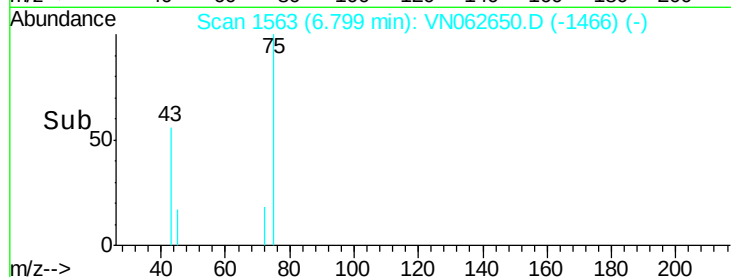
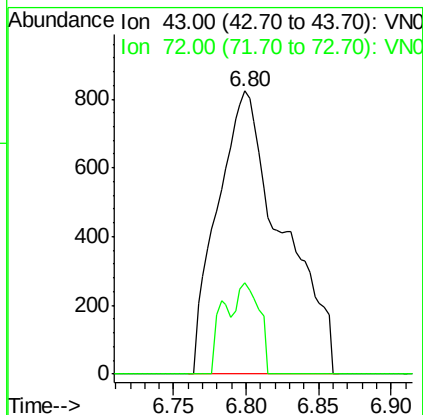
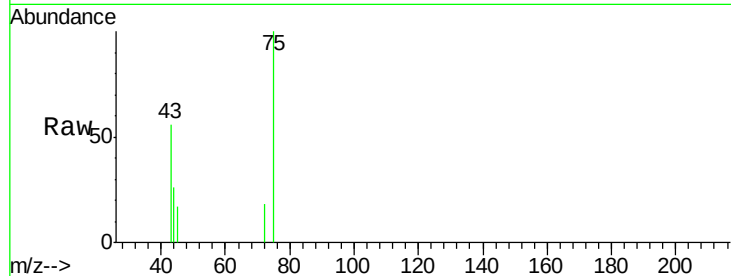
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2559

Ion Ratio Lower Upper

43 100

72 32.3 19.0 28.6#



#29

Tetrahydrofuran

Concen: 0.778 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.02 min

Lab File: VN062650.D

Acq: 29 Jul 2020 13:26

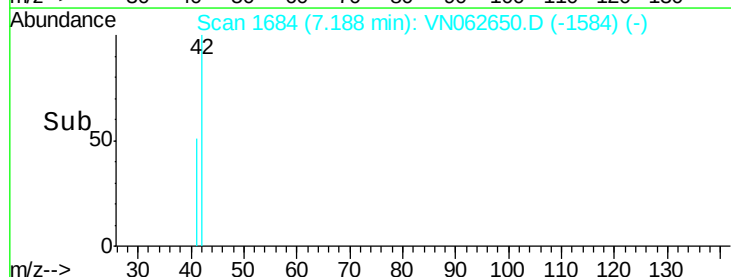
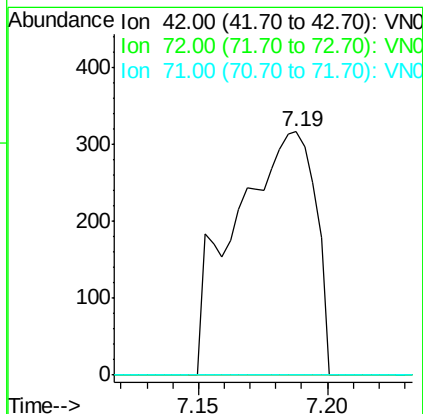
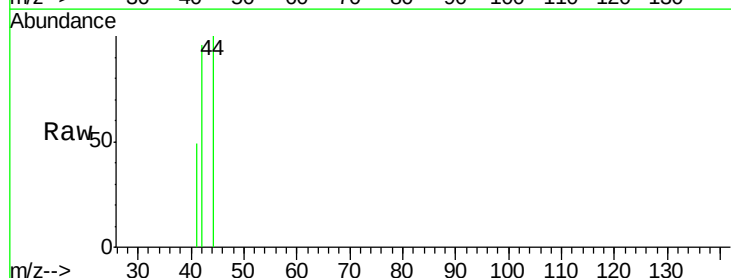
Tgt Ion: 42 Resp: 683

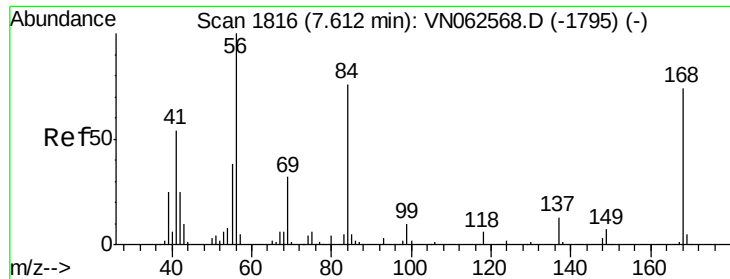
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 29.1 43.7#

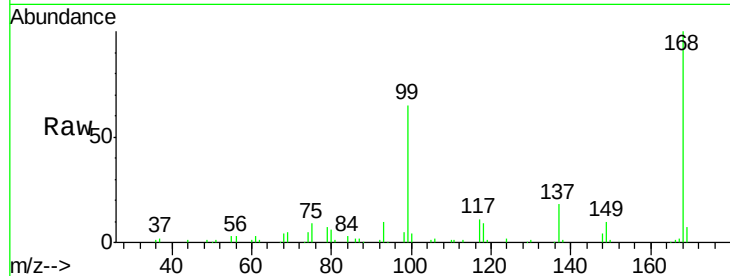




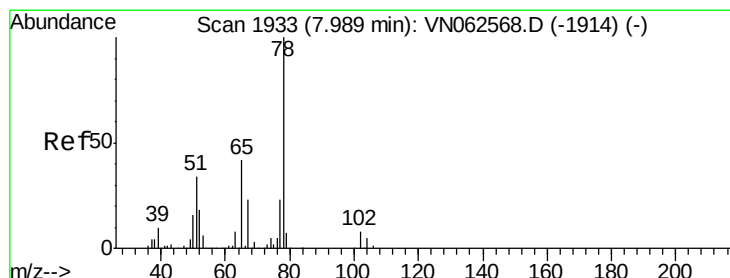
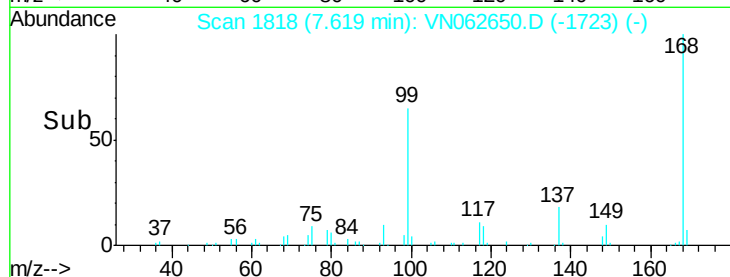
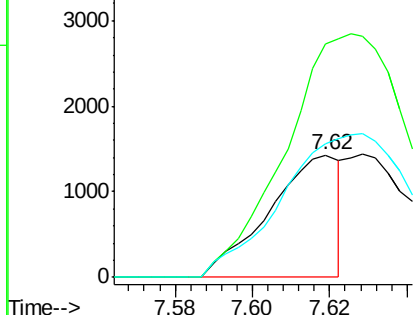
#31
Cyclohexane
Concen: 0.544 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN062650.D
Acq: 29 Jul 2020 13:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 1815
Ion Ratio Lower Upper
56 100
69 190.8 25.3 37.9#
84 109.7 61.0 91.4#

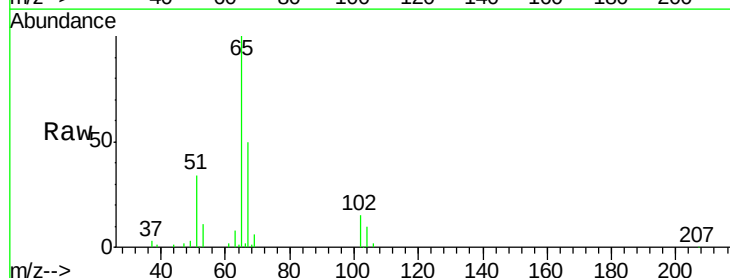


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

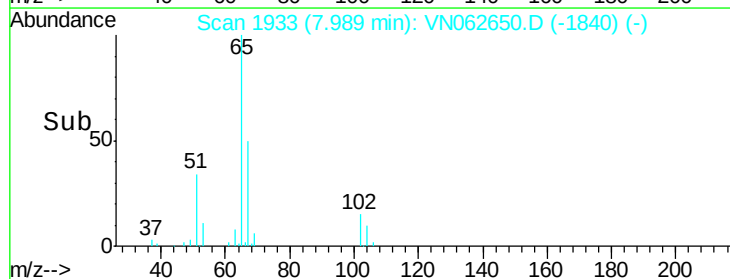
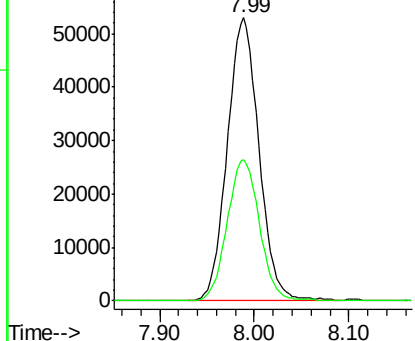


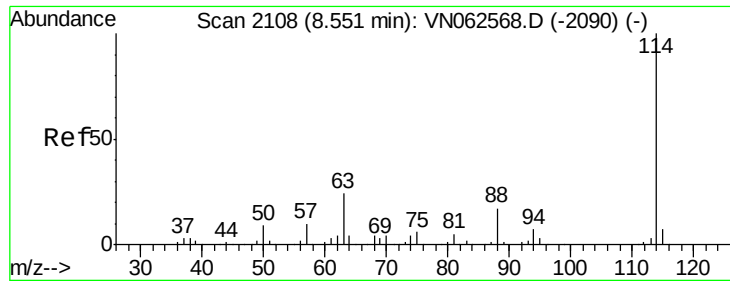
#33
1,2-Dichloroethane-d4
Concen: 54.458 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062650.D
Acq: 29 Jul 2020 13:26

Tgt Ion: 65 Resp: 123354
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.0



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

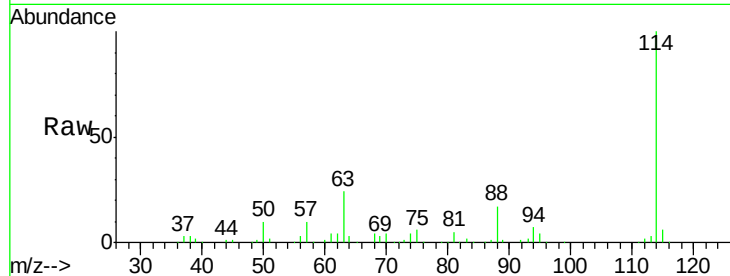




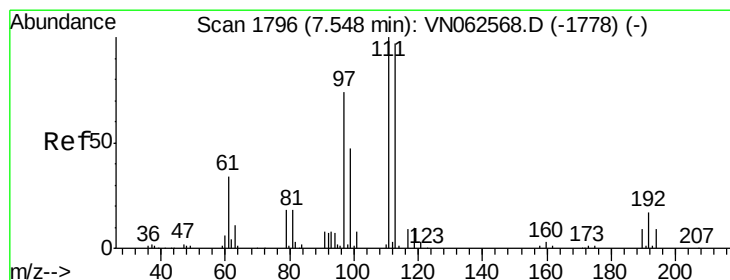
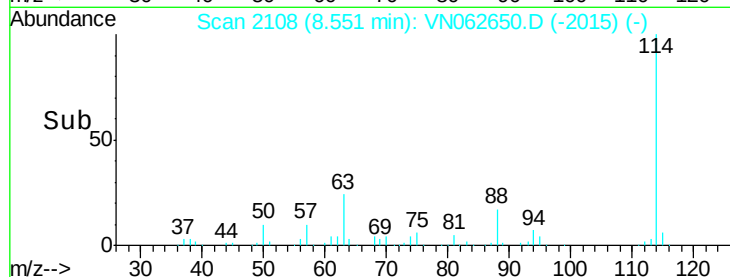
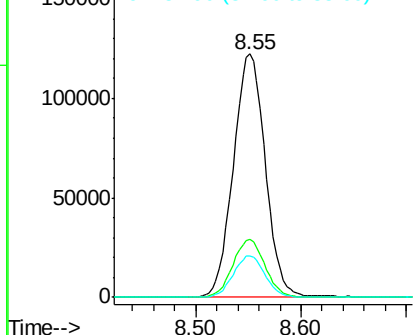
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 257488
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.4
 88 17.2 0.0 33.8

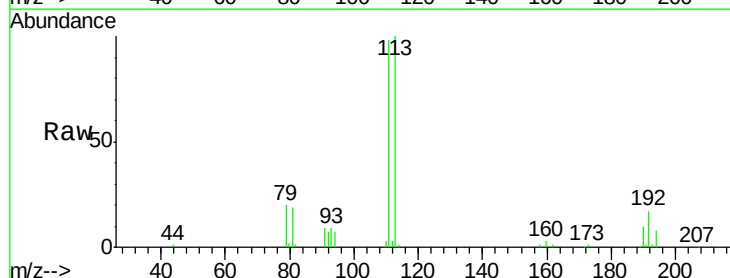


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

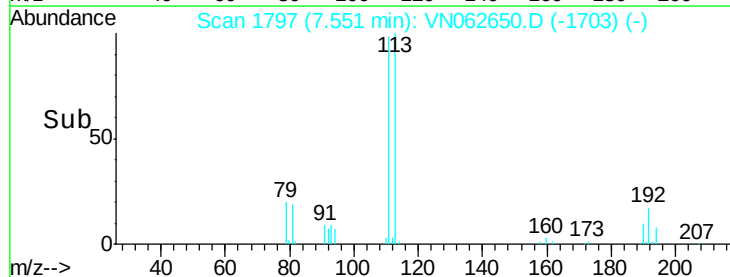
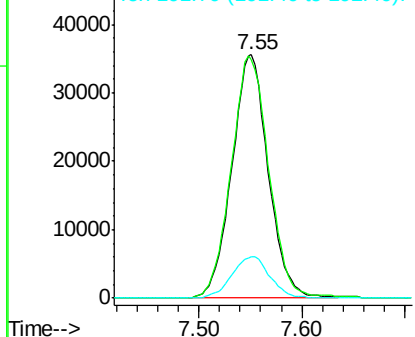


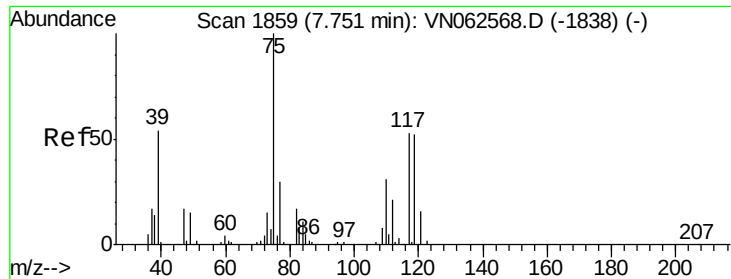
#35
 Dibromofluoromethane
 Concen: 51.586 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

Tgt Ion:113 Resp: 87248
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 17.7 14.8 22.2



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

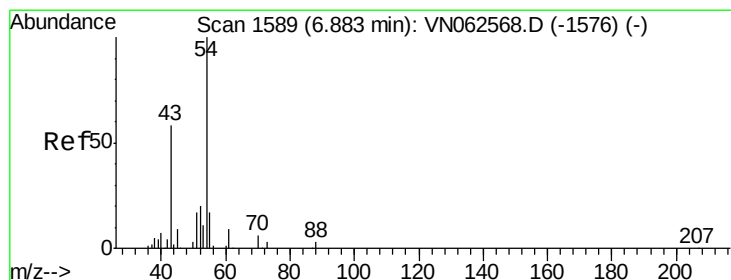
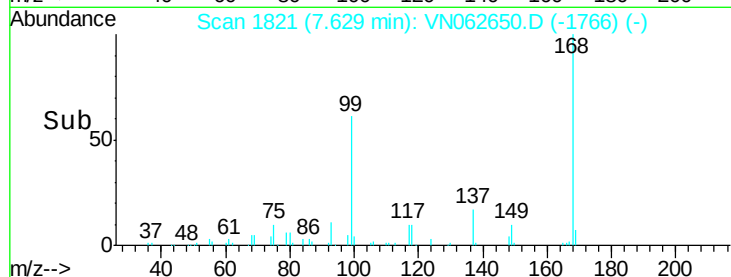
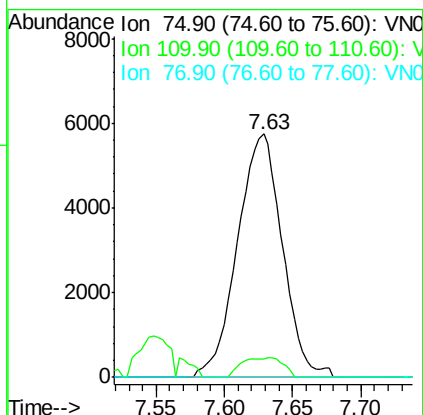
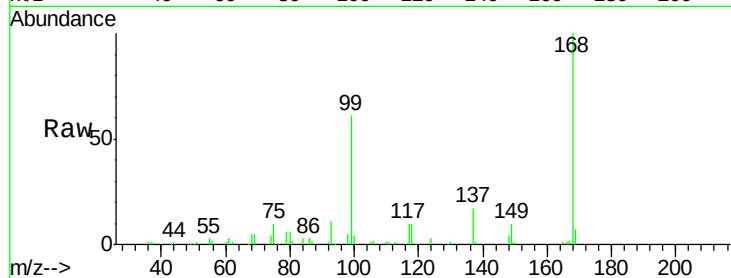




#36
 1,1-Dichloropropene
 Concen: 4.782 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

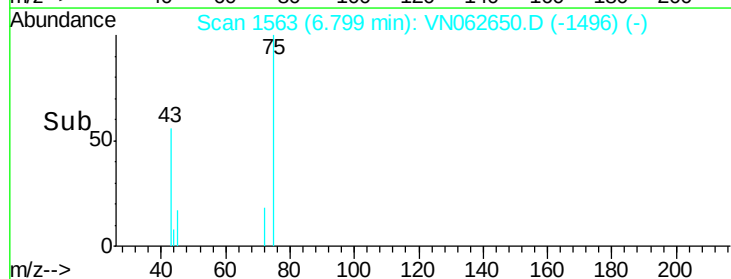
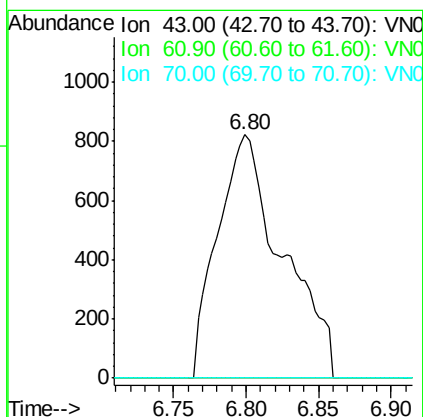
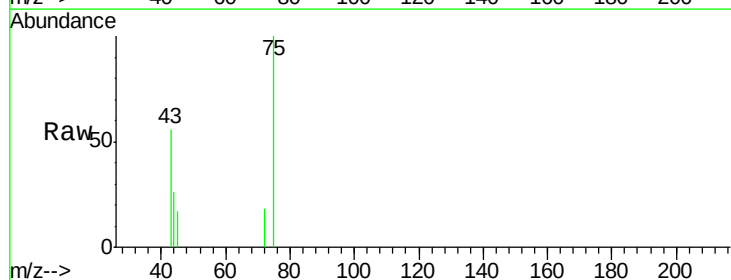
Instrument :
 MSVOA_N
 ClientSampleId :

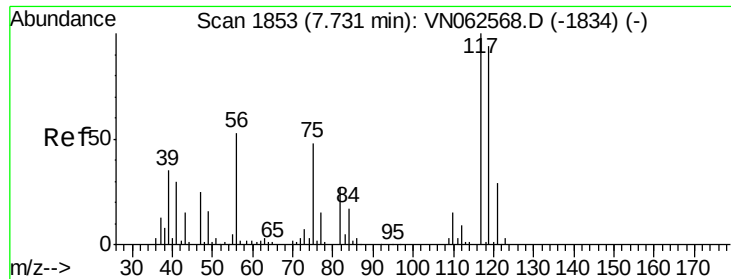
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.6	16.0	48.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.865 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.08 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 5.793 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062650.D

Acq: 29 Jul 2020 13:26

Instrument :

MSVOA_N

ClientSampled :

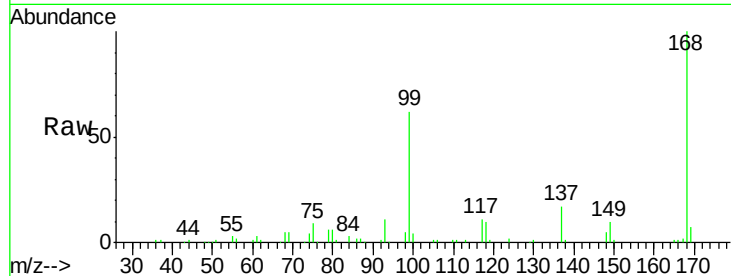
Tot Ion:117 Resp: 15282

Ion Ratio Lower Upper

117 100

119 4.8 74.8 112.2#

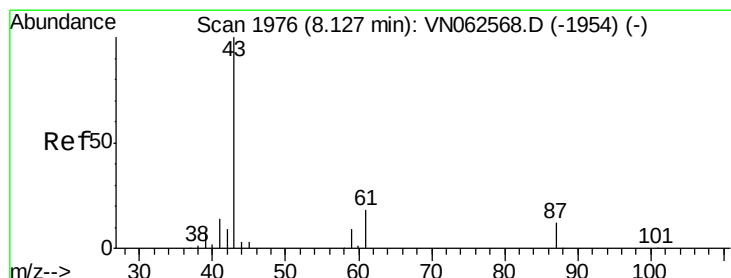
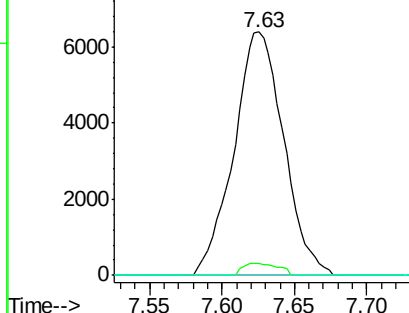
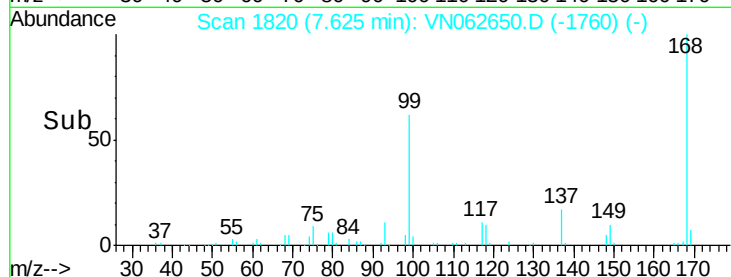
121 0.0 23.0 34.6#



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: 9.053 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062650.D

Acq: 29 Jul 2020 13:26

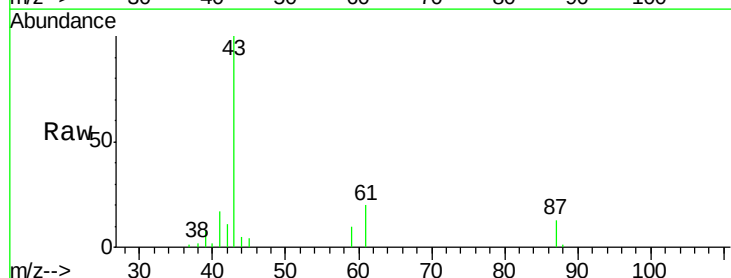
Tgt Ion: 43 Resp: 43174

Ion Ratio Lower Upper

43 100

61 19.6 20.8 31.2#

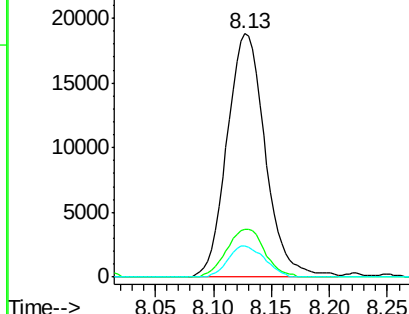
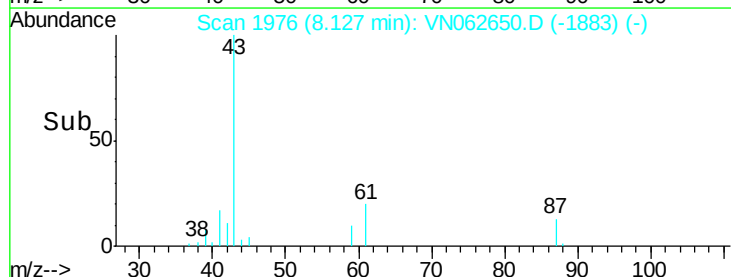
87 12.1 9.2 13.8

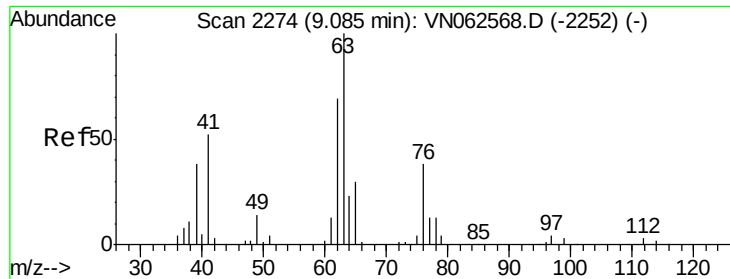


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

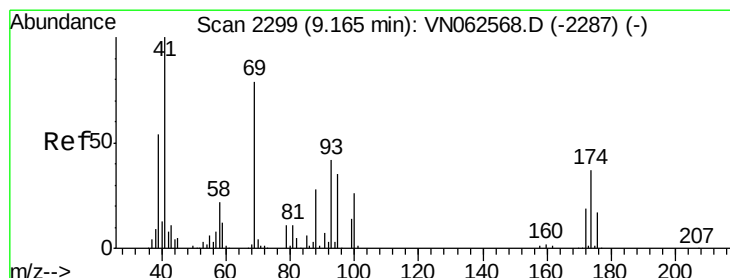
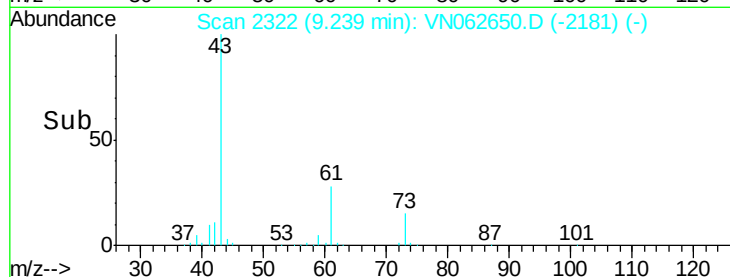
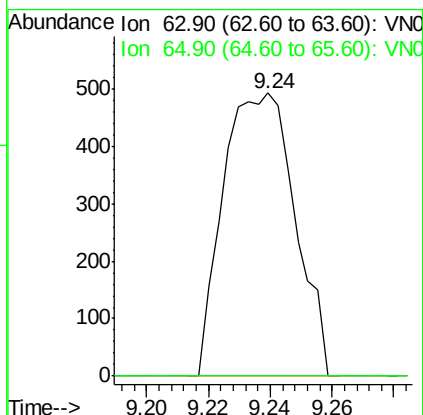
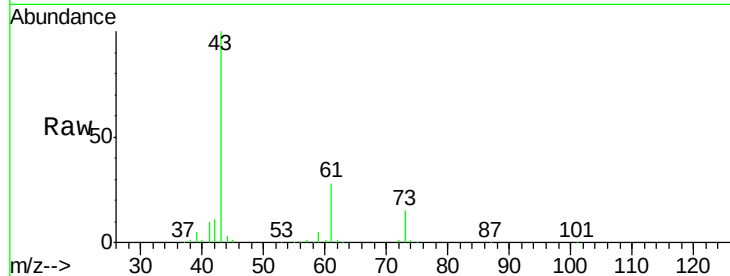




#45
 1,2-Dichloropropane
 Concen: 0.340 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

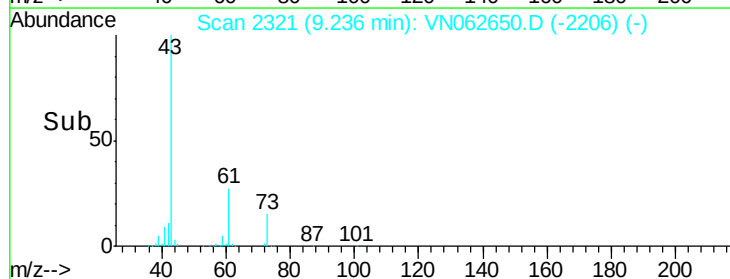
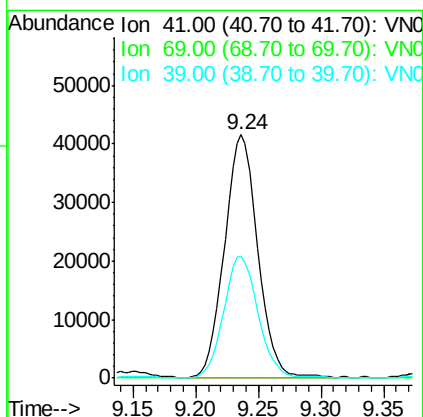
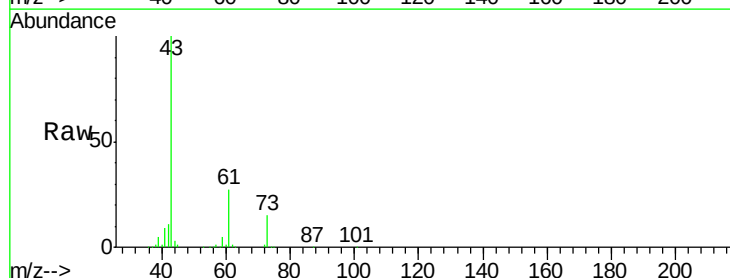
Instrument :
 MSVOA_N
 ClientSampled :

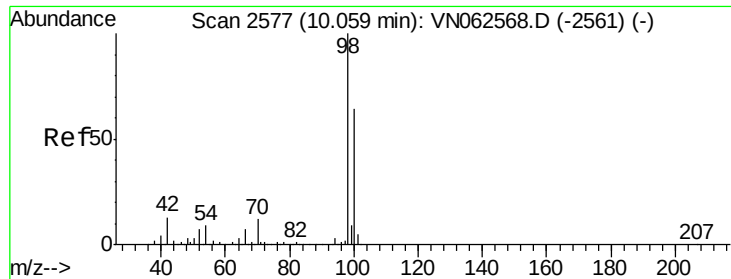
Tot Ion: 63 Resp: 794
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 33.799 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.07 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

Tgt Ion: 41 Resp: 76628
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 51.4 43.5 65.3

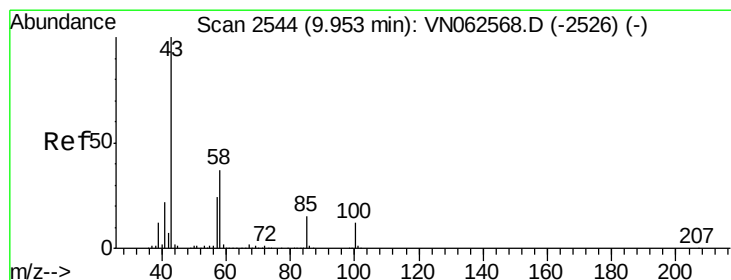
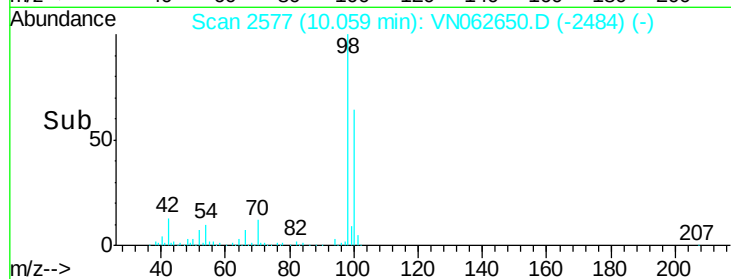
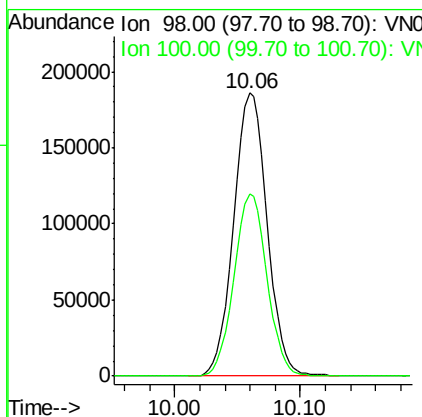
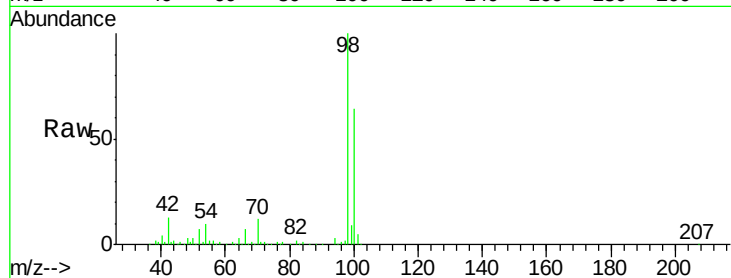




#50
Toluene-d8
Concen: 51.105 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062650.D
Acq: 29 Jul 2020 13:26

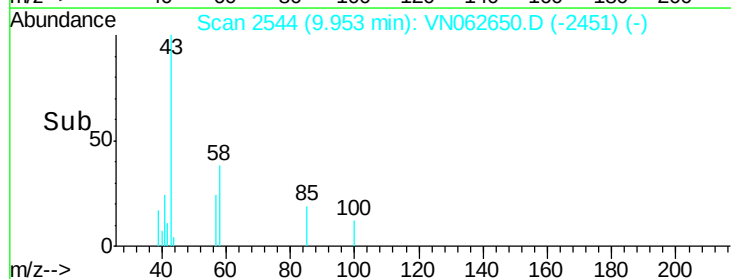
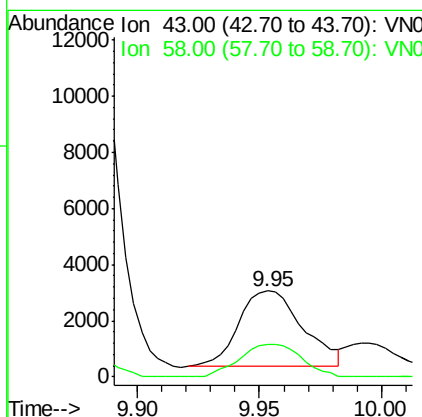
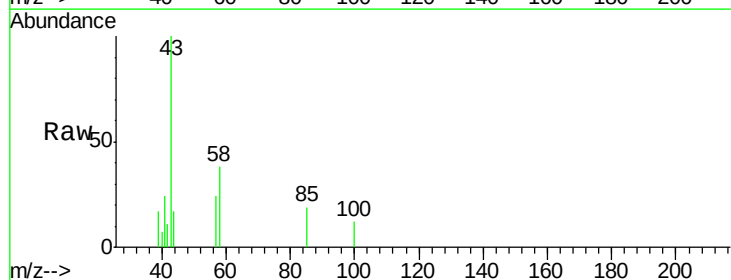
Instrument :
MSVOA_N
ClientSampled :

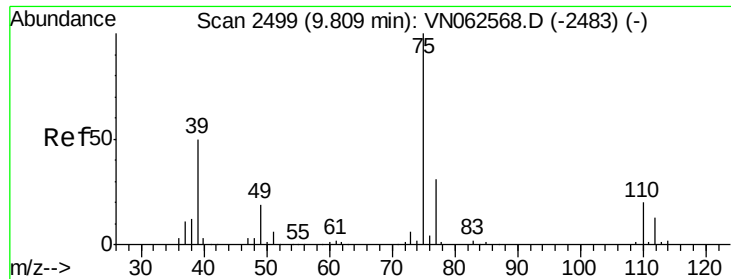
Tot Ion: 98 Resp: 344870
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.723 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062650.D
Acq: 29 Jul 2020 13:26

Tgt Ion: 43 Resp: 4916
Ion Ratio Lower Upper
43 100
58 41.5 29.8 44.6



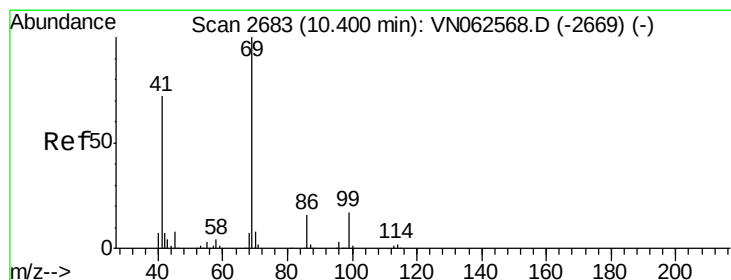
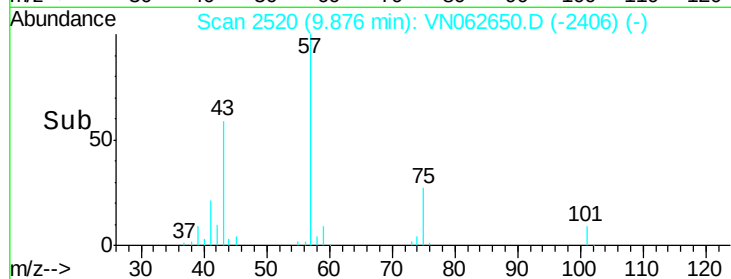
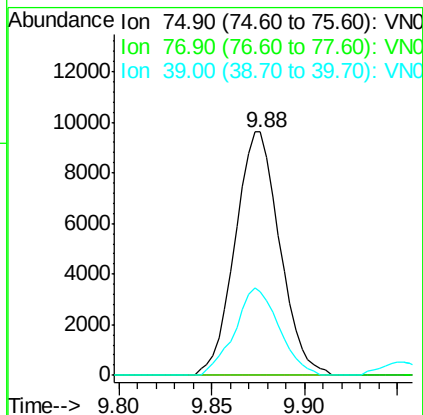
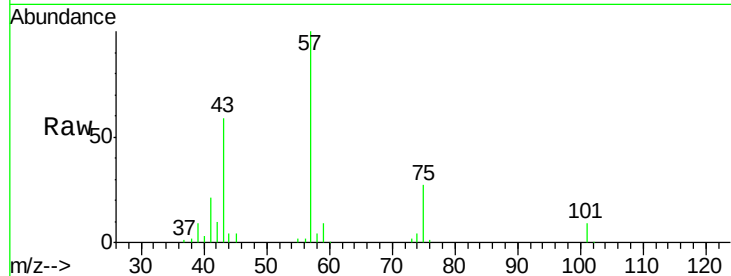


#54

cis-1,3-Dichloropropene
 Concen: 4.610 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

Instrument :
 MSVOA_N
 ClientSampleId :

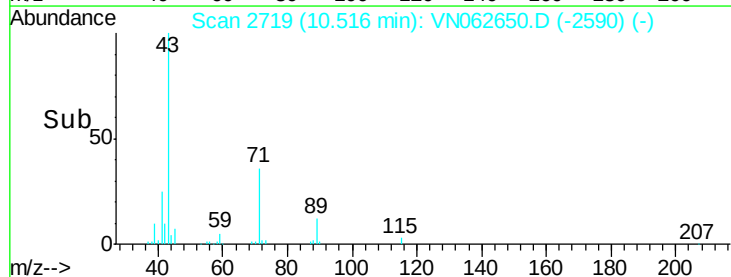
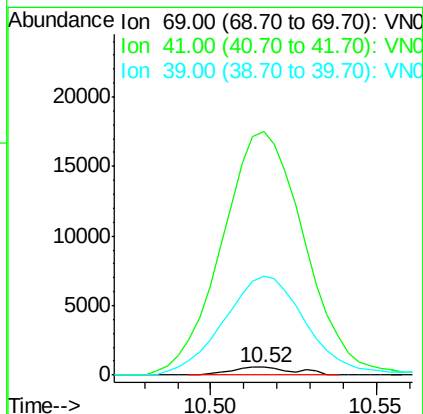
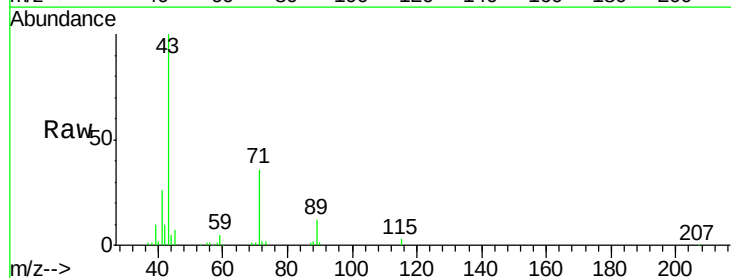
Tot Ion: 75 Resp: 16087
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 34.5 39.8 59.8#

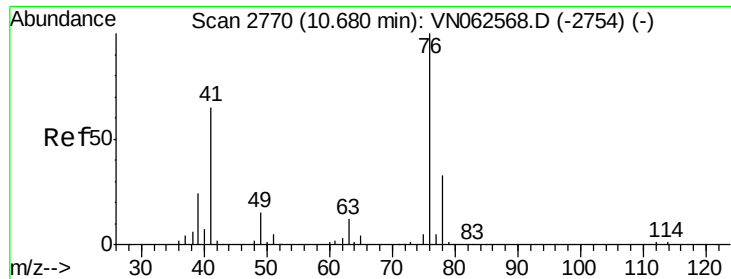


#56

Ethyl methacrylate
 Concen: 1.993 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

Tgt Ion: 69 Resp: 782
 Ion Ratio Lower Upper
 69 100
 41 3893.7 57.2 85.8#
 39 1580.9 28.6 43.0#

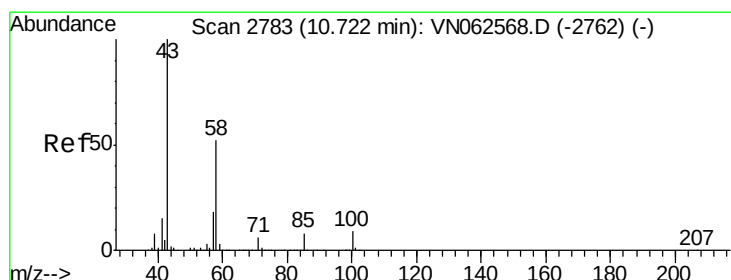
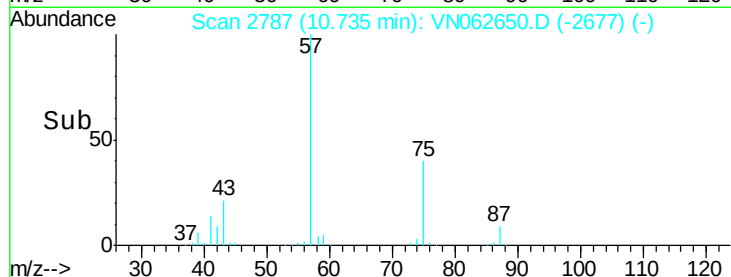
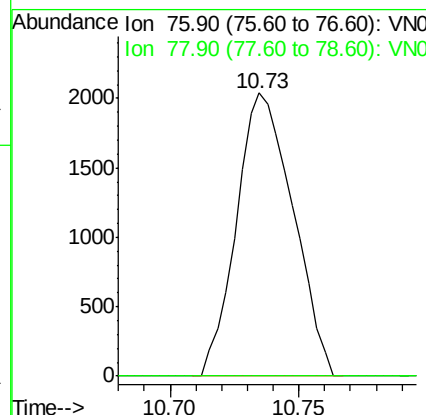
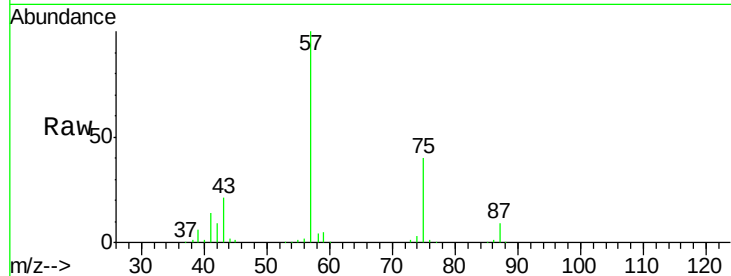




#57
 1,3-Dichloropropane
 Concen: 0.907 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

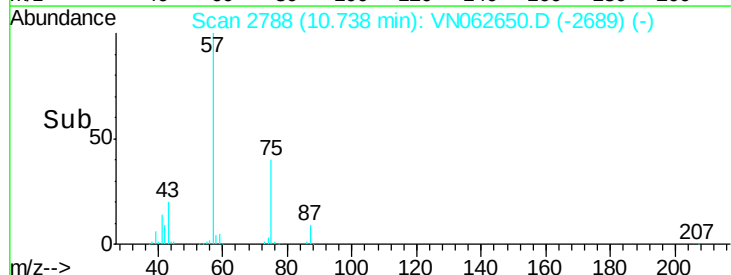
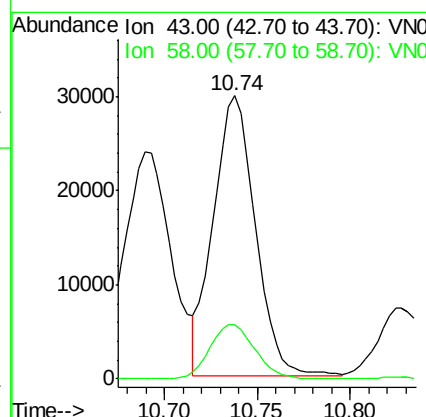
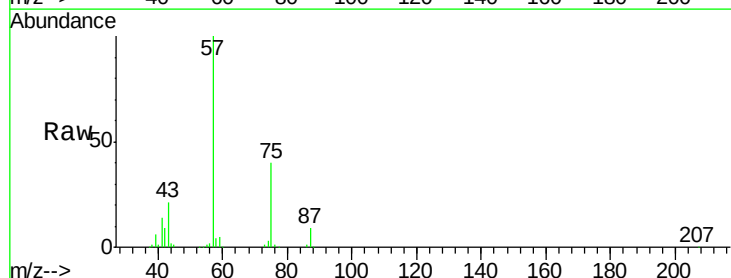
Instrument :
 MSVOA_N
 ClientSampled :

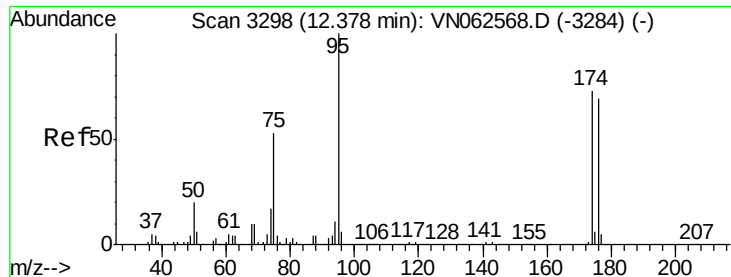
Tot Ion: 76 Resp: 3111
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 23.986 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

Tgt Ion: 43 Resp: 46961
 Ion Ratio Lower Upper
 43 100
 58 20.7 26.0 78.0#





#62

4-Bromofluorobenzene

Concen: 51.719 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062650.D

Acq: 29 Jul 2020 13:26

Instrument :

MSVOA_N

ClientSampled :

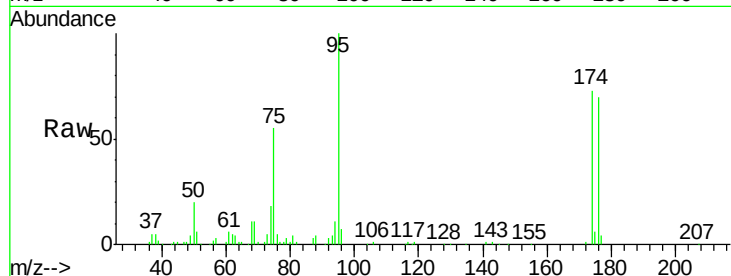
Tot Ion: 95 Resp: 127615

Ion Ratio Lower Upper

95 100

174 73.0 0.0 144.6

176 69.8 0.0 139.4



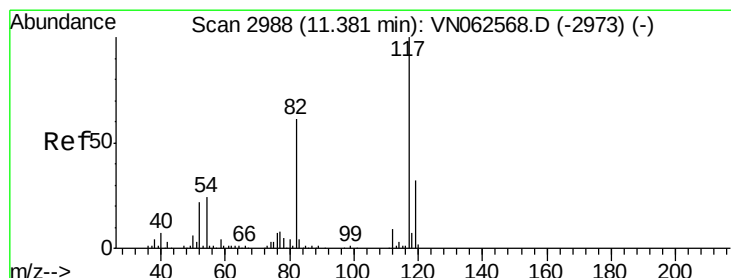
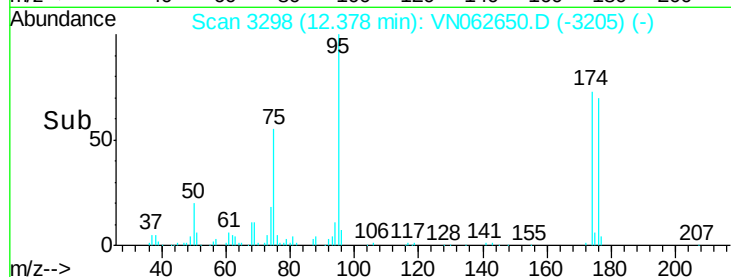
Abundance Ion 94.90 (94.60 to 95.60): VN062568.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062568.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062568.D (-3284) (-)

12.38

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062650.D

Acq: 29 Jul 2020 13:26

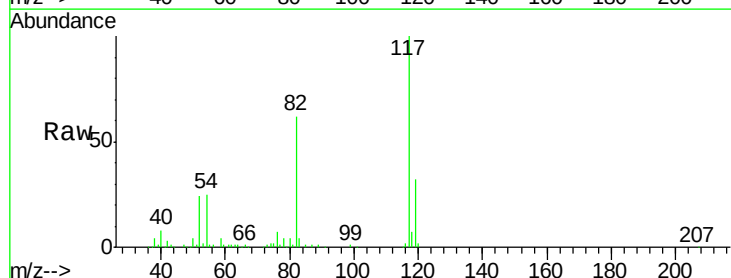
Tgt Ion: 117 Resp: 265632

Ion Ratio Lower Upper

117 100

82 62.1 49.0 73.6

119 32.0 25.4 38.2



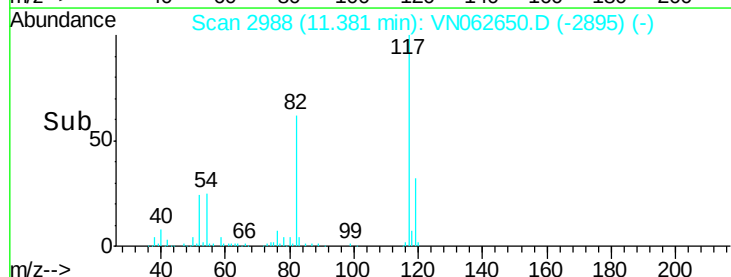
Abundance Ion 116.90 (116.60 to 117.60): VN062568.D (-2973) (-)

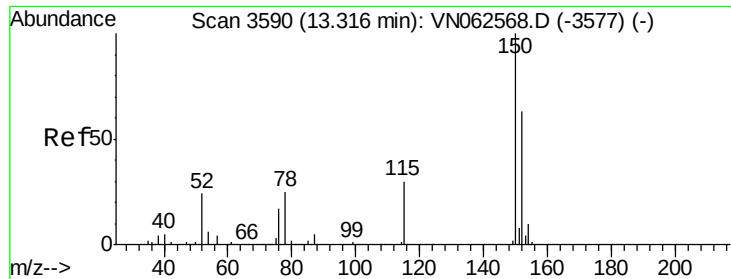
Ion 82.00 (81.70 to 82.70): VN062568.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN062568.D (-2973) (-)

11.38

Time-->

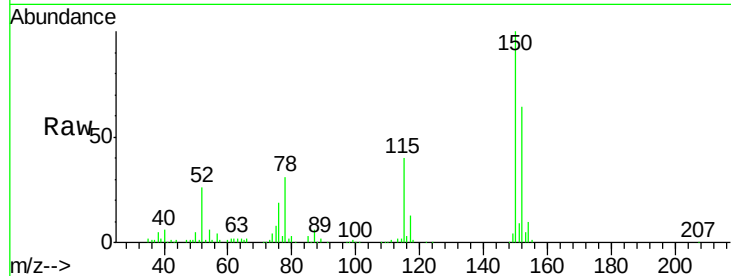




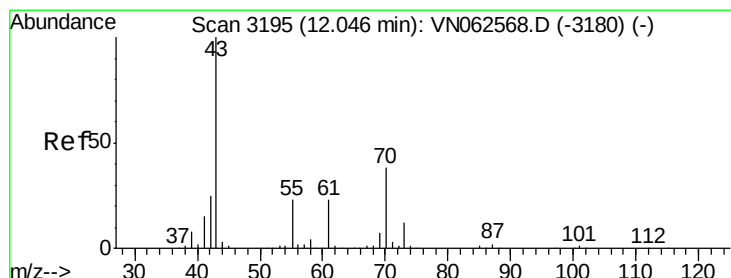
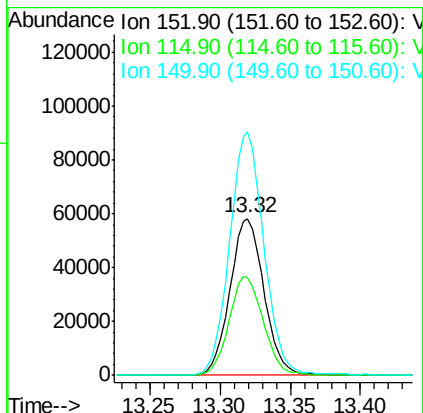
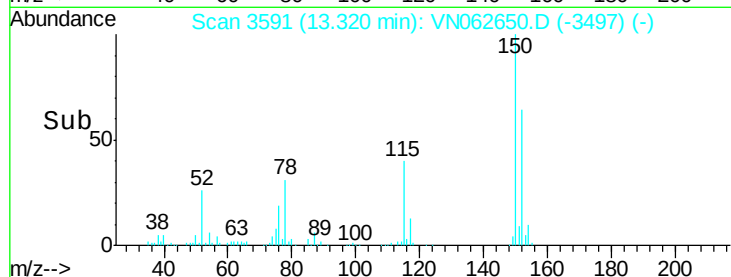
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:152 Resp: 98461
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.8 95.4
 150 156.2 0.0 351.4

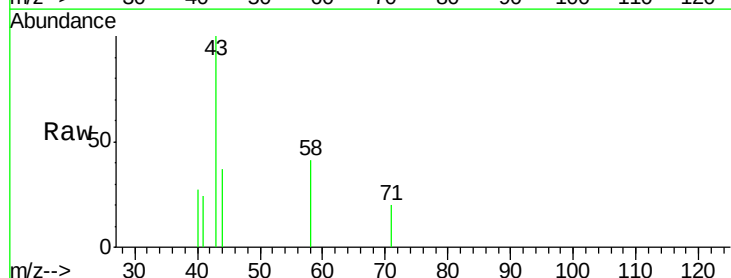


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

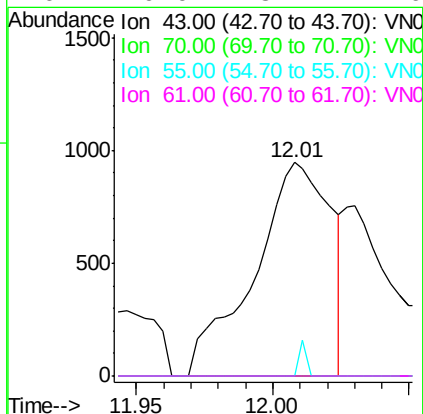
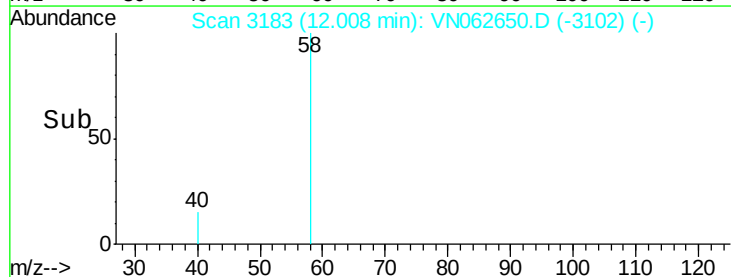


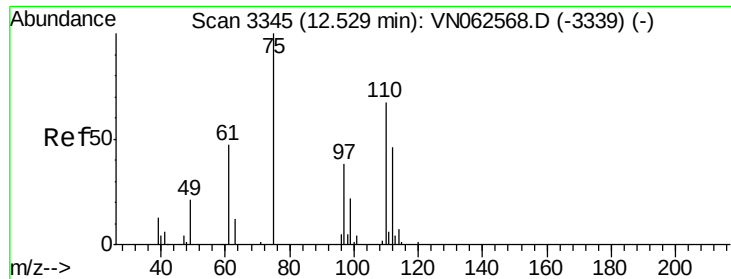
#74
 N-ethyl acetate
 Concen: 0.532 ug/l
 RT: 12.01 min Scan# 3183
 Delta R.T. -0.04 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

Tgt Ion: 43 Resp: 1850
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.5 45.7#
 55 1.6 19.0 28.6#
 61 0.0 18.4 27.6#



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

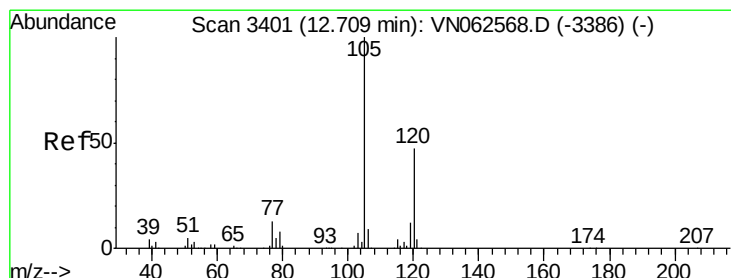
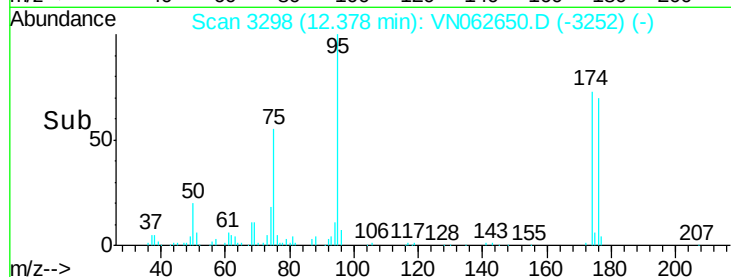
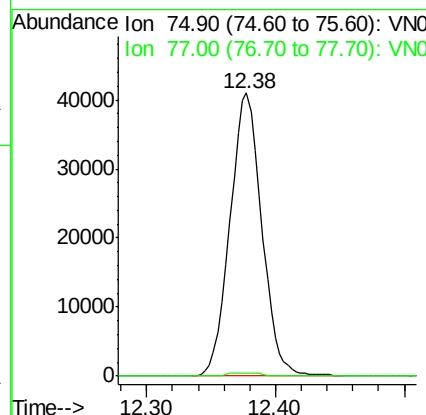
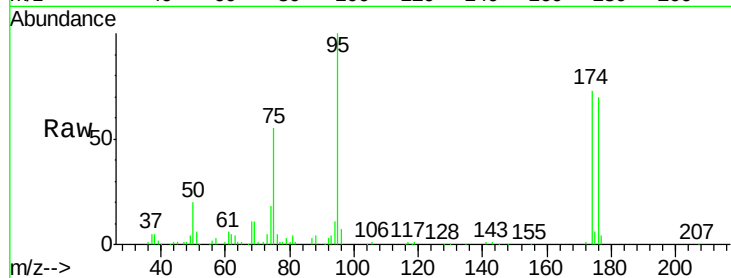




#76
 1,2,3-Trichloropropane
 Concen: 27.984 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

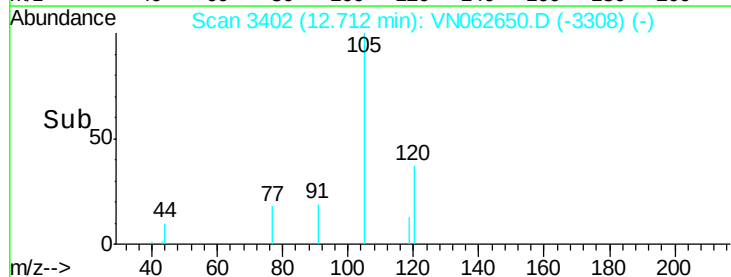
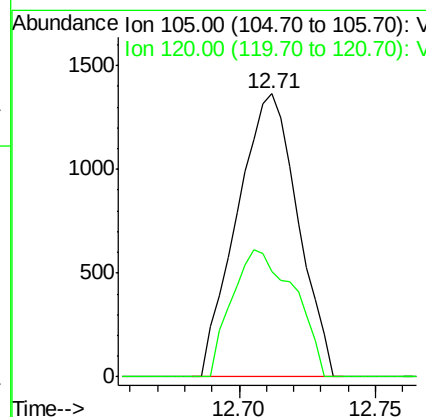
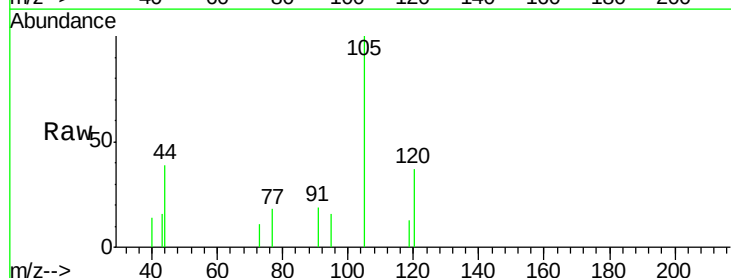
Instrument :
 MSVOA_N
 ClientSampleId :

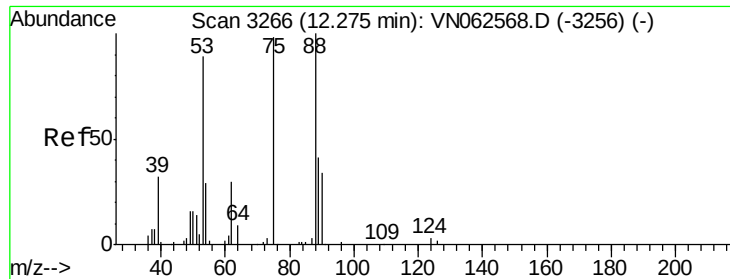
Tot Ion: 75 Resp: 70134
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.326 ug/l
 RT: 12.71 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN062650.D
 Acq: 29 Jul 2020 13:26

Tgt Ion:105 Resp: 2106
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.2 69.6

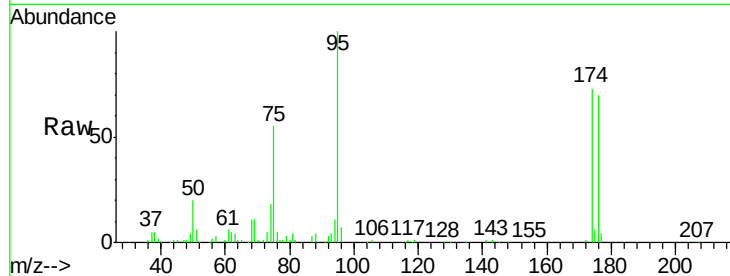




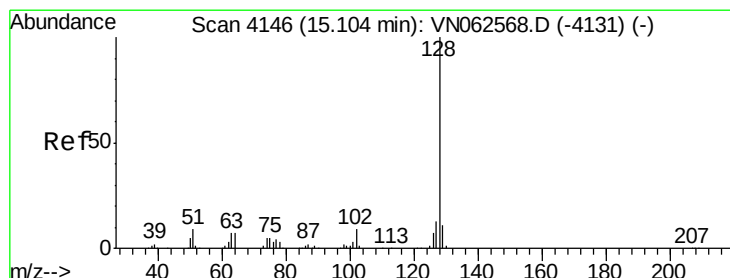
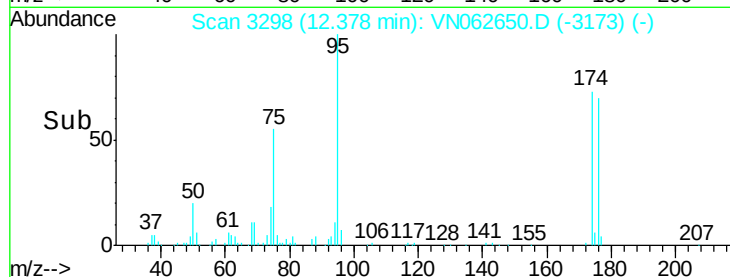
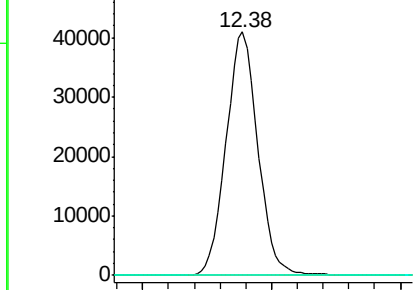
#81
trans-1,4-Dichloro-2-butene
Concen: 77.902 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062650.D
Acq: 29 Jul 2020 13:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 70134
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.0#
89 0.0 34.5 51.7#

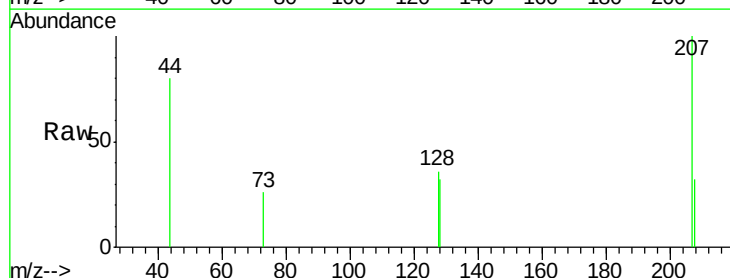


Abundance Ion 74.90 (74.60 to 75.60): VN062650.D (-3298) (-)
Ion 53.00 (52.70 to 53.70): VN062650.D (-3298) (-)
Ion 88.90 (88.60 to 89.60): VN062650.D (-3298) (-)



#95
Naphthalene
Concen: 3.854 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062650.D
Acq: 29 Jul 2020 13:26

Tgt Ion: 128 Resp: 437
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN062650.D (-4147) (-)
Ion 127.00 (126.70 to 127.70): VN062650.D (-4147) (-)
Ion 129.00 (128.70 to 129.70): VN062650.D (-4147) (-)

