

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062617.D
 Acq On : 27 Jul 2020 22:39
 Operator : JC/MD
 Sample : L3439-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20200438-3001A

Quant Time: Jul 28 06:27:50 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	133506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	246446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107075	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	117156	56.49	ug/l	0.00
Spiked Amount			Recovery	=	112.98%	
35) Dibromofluoromethane	7.55	113	82004	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	10.06	98	318788	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.38	95	121595	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	

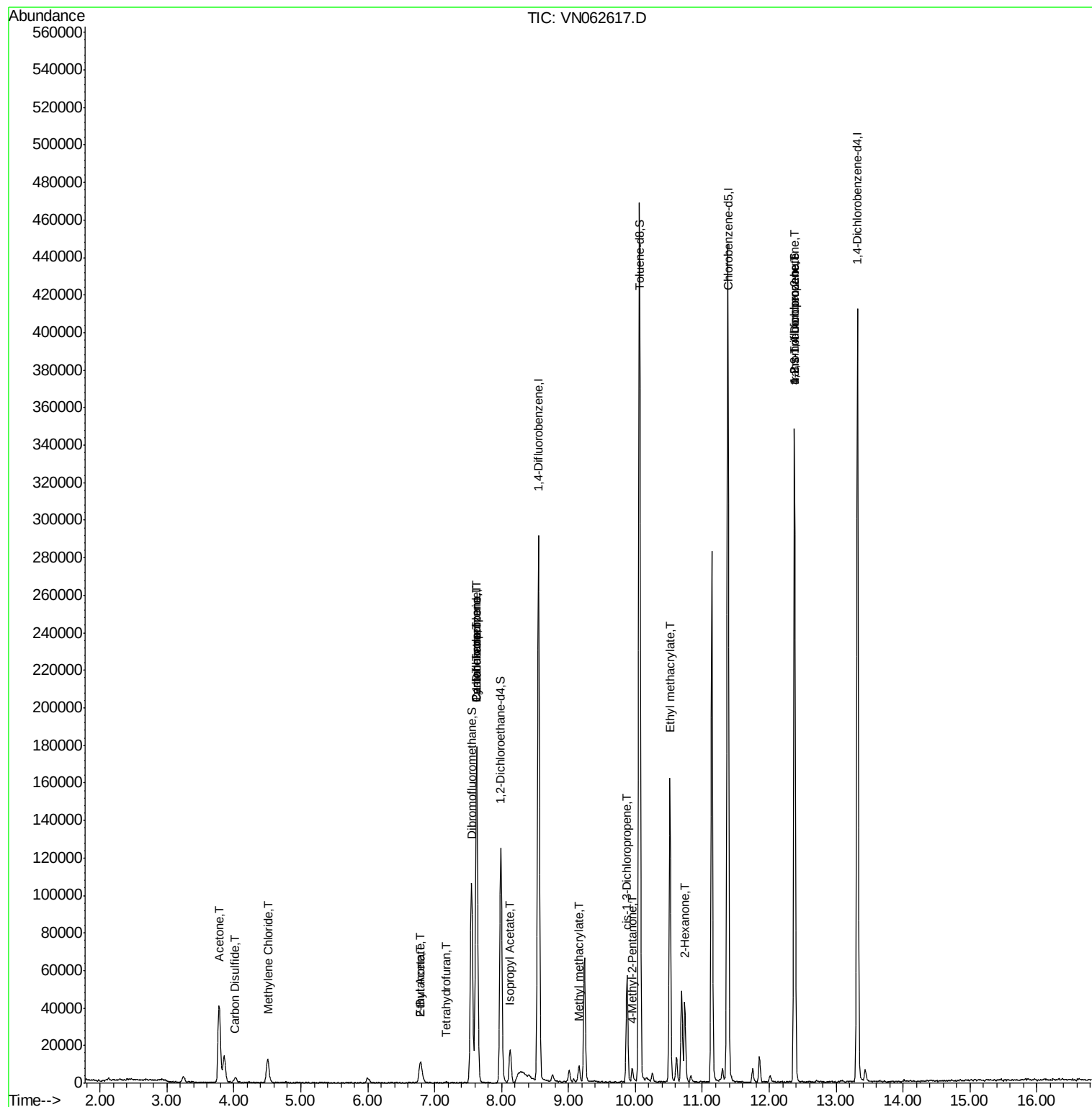
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	73263	93.874	ug/l	97
17) Carbon Disulfide	4.02	76	2542	0.541	ug/l #	75
20) Methylene Chloride	4.51	84	9087	4.855	ug/l	90
25) 2-Butanone	6.80	43	17966	15.115	ug/l	95
29) Tetrahydrofuran	7.17	42	589	0.732	ug/l #	46
31) Cyclohexane	7.63	56	2959	0.968	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11527	4.388	ug/l #	52
37) Ethyl Acetate	6.80	43	17966	6.345	ug/l #	69
38) Carbon Tetrachloride	7.63	117	14677	5.813	ug/l #	16
43) Isopropyl Acetate	8.13	43	21089	4.620	ug/l #	88
48) Methyl methacrylate	9.15	41	2494	1.149	ug/l #	26
51) 4-Methyl-2-Pentanone	9.95	43	4972	1.820	ug/l	92
54) cis-1,3-Dichloropropene	9.88	75	10141	3.036	ug/l #	65
56) Ethyl methacrylate	10.52	69	793	2.007	ug/l #	1
59) 2-Hexanone	10.74	43	7220	6.337	ug/l #	61
76) 1,2,3-Trichloropropane	12.38	75	67787	24.872	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67787	69.238	ug/l #	12

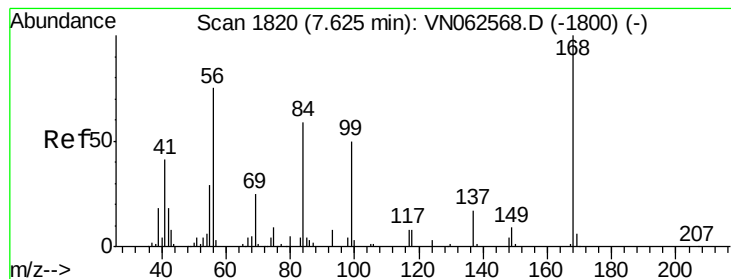
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072720\
Data File : VN062617.D
Acq On : 27 Jul 2020 22:39
Operator : JC/MD
Sample : L3439-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
20200438-3001A

Quant Time: Jul 28 06:27:50 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# 1821

Delta R.T. 0.00 min

Lab File: VN062617.D

Acq: 27 Jul 2020 22:39

Instrument :

MSVOA_N

ClientSampleId :

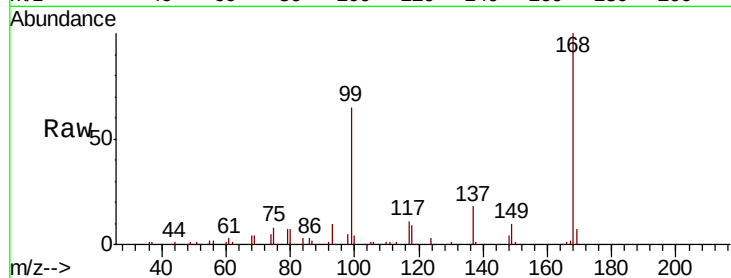
20200438-3001A

Tot Ion:168 Resp: 133506

Ion Ratio Lower Upper

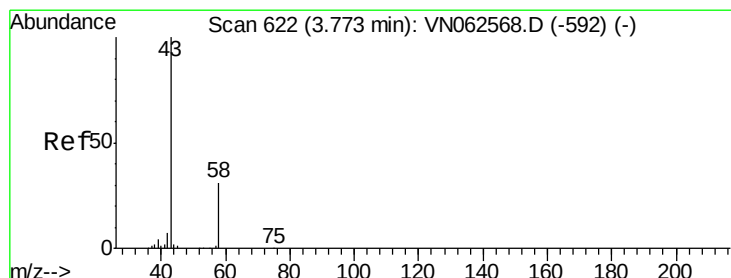
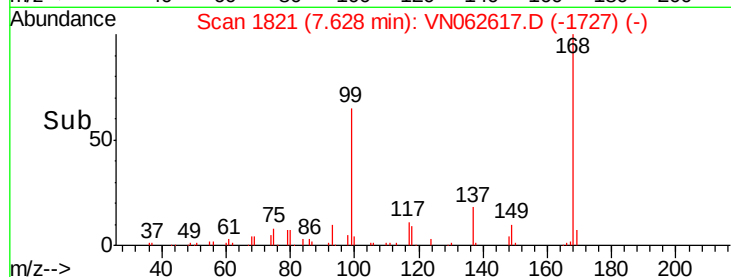
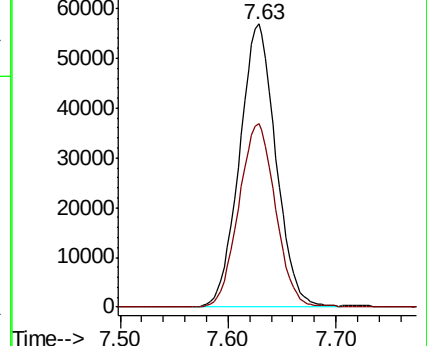
168 100

99 64.9 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 93.874 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062617.D

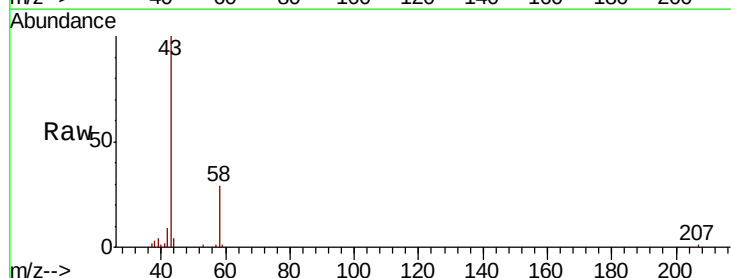
Acq: 27 Jul 2020 22:39

Tgt Ion: 43 Resp: 73263

Ion Ratio Lower Upper

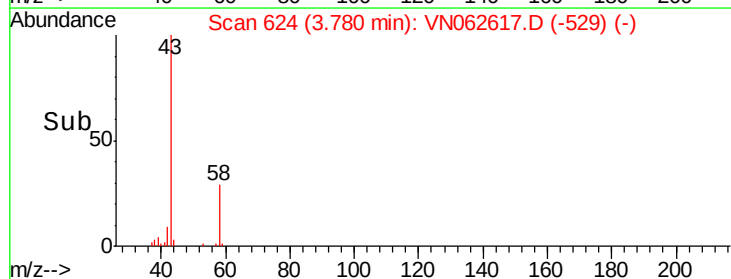
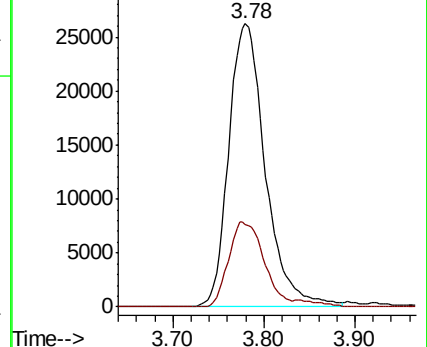
43 100

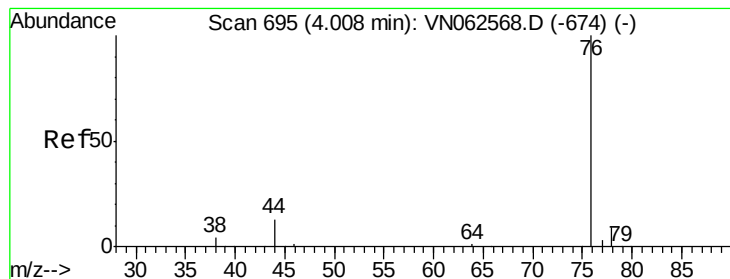
58 29.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: 0.541 ug/l

RT: 4.02 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN062617.D

Acq: 27 Jul 2020 22:39

Instrument :

MSVOA_N

ClientSampleId :

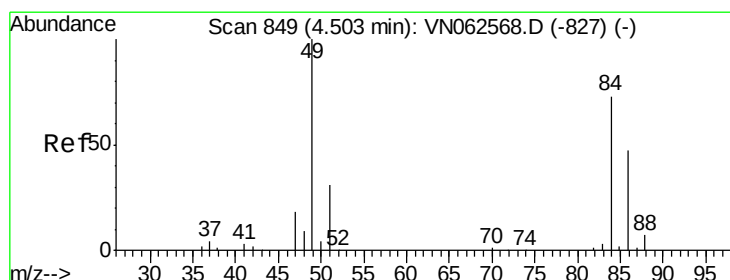
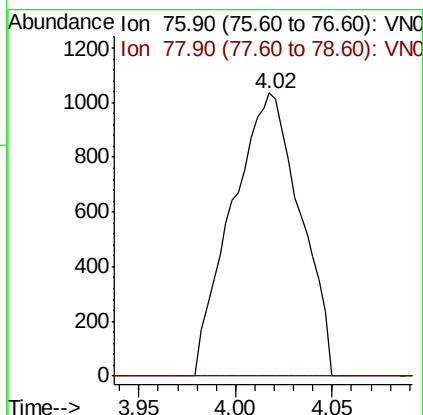
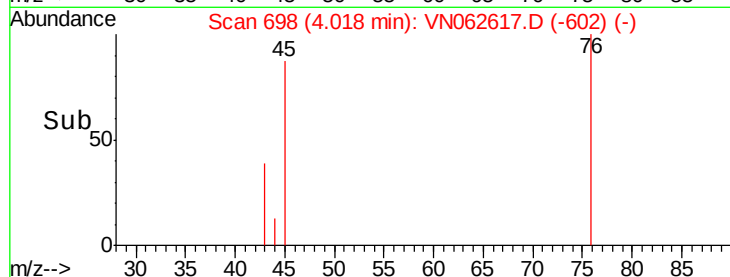
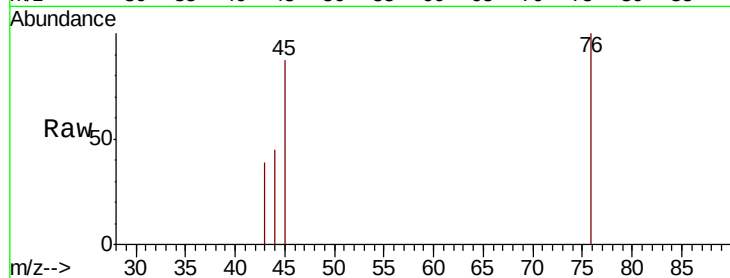
20200438-3001A

Tot Ion: 76 Resp: 2542

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#20

Methylene Chloride

Concen: 4.855 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN062617.D

Acq: 27 Jul 2020 22:39

Tgt Ion: 84 Resp: 9087

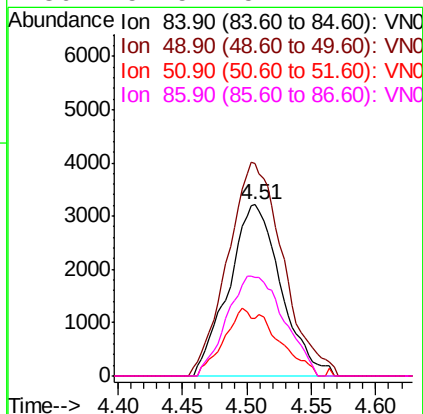
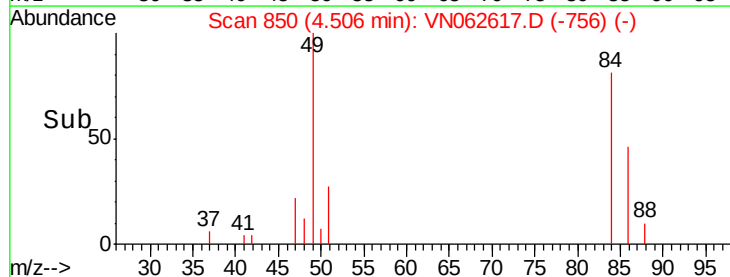
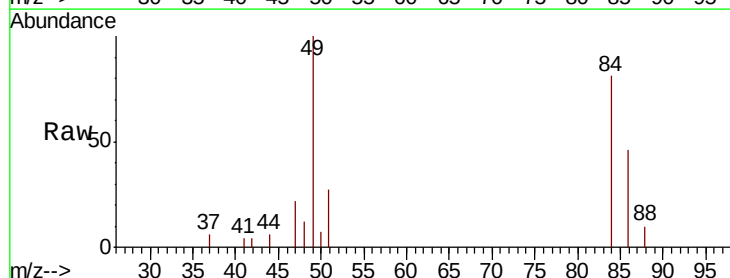
Ion Ratio Lower Upper

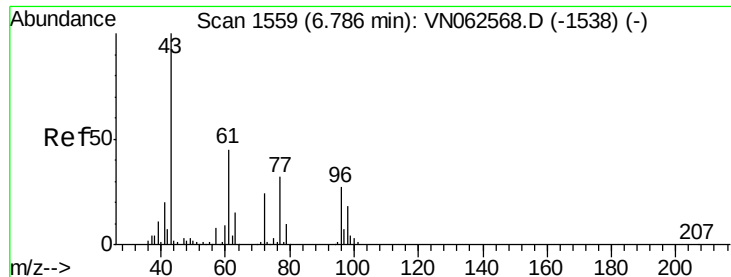
84 100

49 124.1 109.4 164.0

51 33.7 33.6 50.4

86 57.5 51.4 77.2





#25

2-Butanone

Concen: 15.115 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN062617.D

Acq: 27 Jul 2020 22:39

Instrument :

MSVOA_N

ClientSampleId :

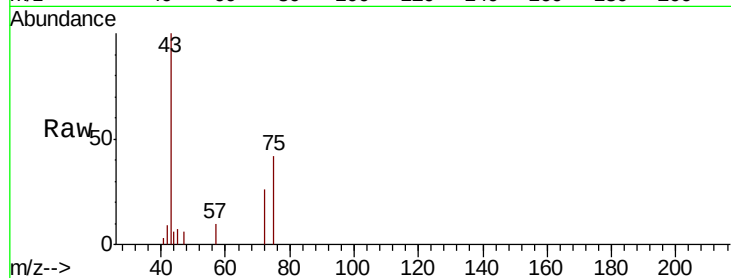
20200438-3001A

Tot Ion: 43 Resp: 17966

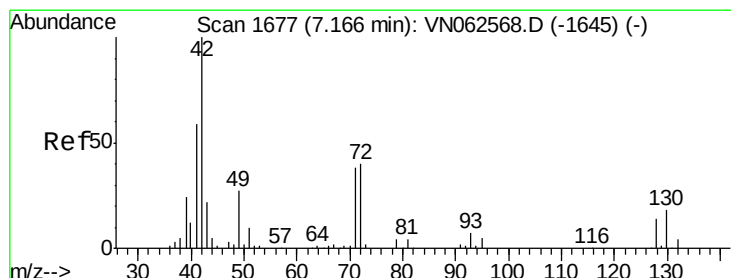
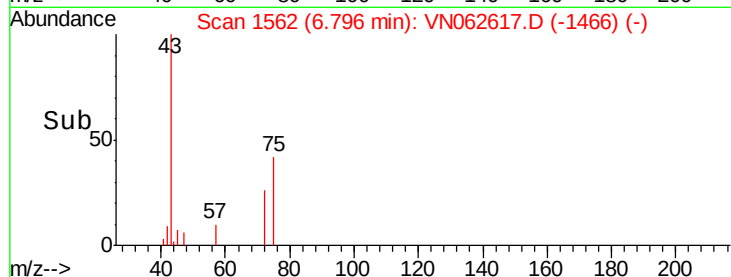
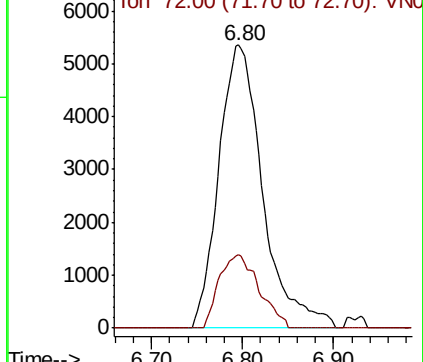
Ion Ratio Lower Upper

43 100

72 26.2 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1538) (-)



#29

Tetrahydrofuran

Concen: 0.732 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.01 min

Lab File: VN062617.D

Acq: 27 Jul 2020 22:39

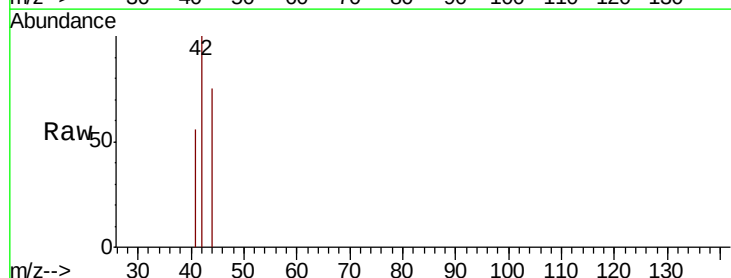
Tgt Ion: 42 Resp: 589

Ion Ratio Lower Upper

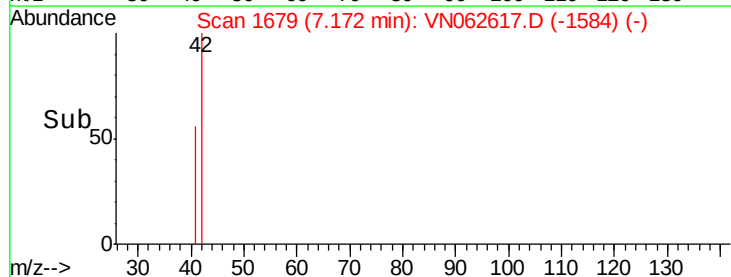
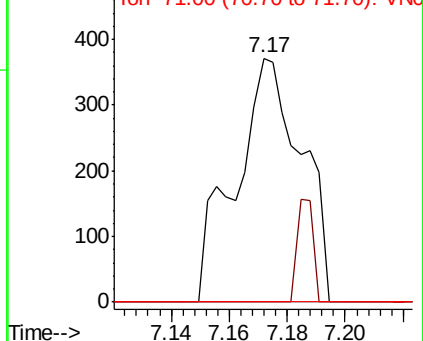
42 100

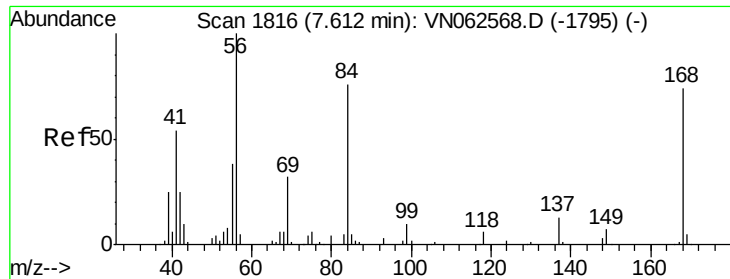
72 10.2 30.7 46.1#

71 0.0 29.1 43.7#



Abundance Ion 42.00 (41.70 to 42.70): VN062568.D (-1645) (-)

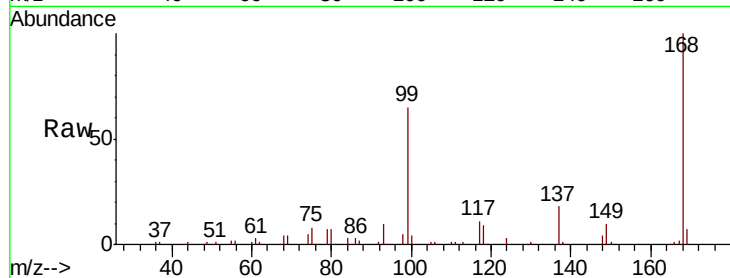




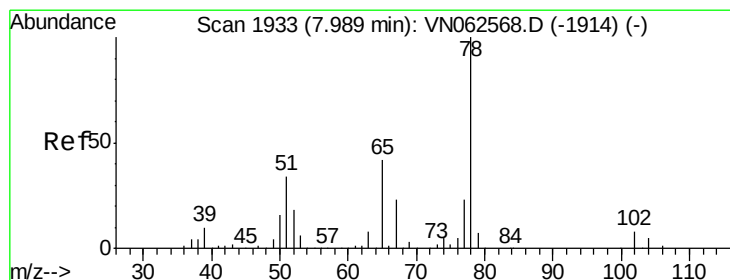
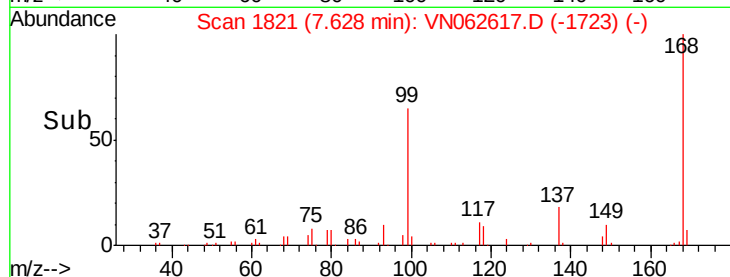
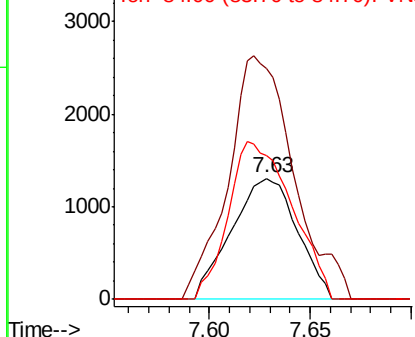
#31
Cyclohexane
Concen: 0.968 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062617.D
Acq: 27 Jul 2020 22:39

Instrument :
MSVOA_N
ClientSampleId :
20200438-3001A

Tot Ion: 56 Resp: 2959
Ion Ratio Lower Upper
56 100
69 178.8 25.3 37.9#
84 118.6 61.0 91.4#

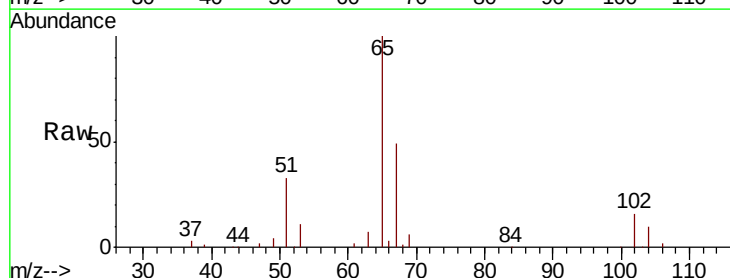


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

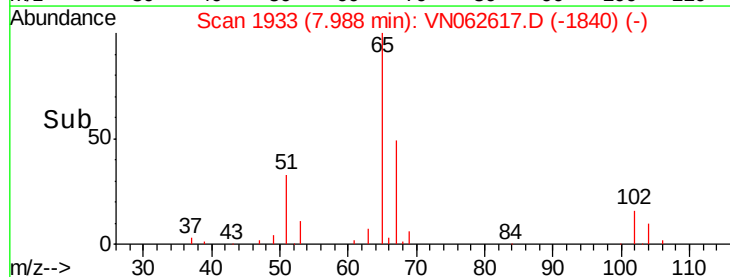
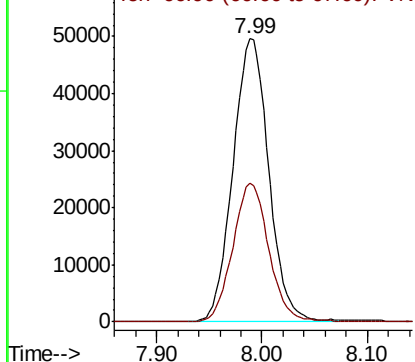


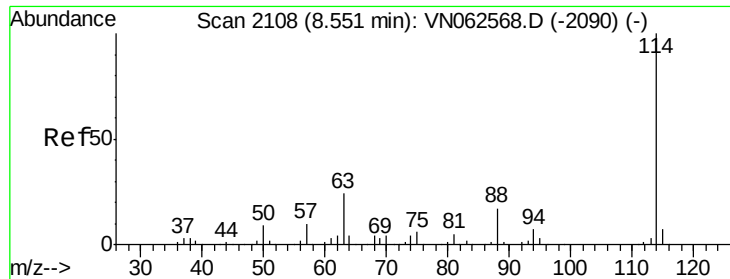
#33
1,2-Dichloroethane-d4
Concen: 56.489 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062617.D
Acq: 27 Jul 2020 22:39

Tgt Ion: 65 Resp: 117156
Ion Ratio Lower Upper
65 100
67 49.2 0.0 106.0



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

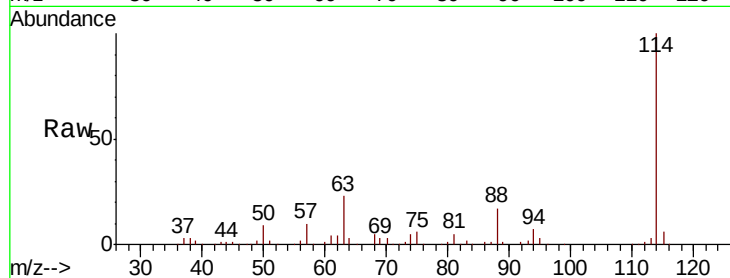




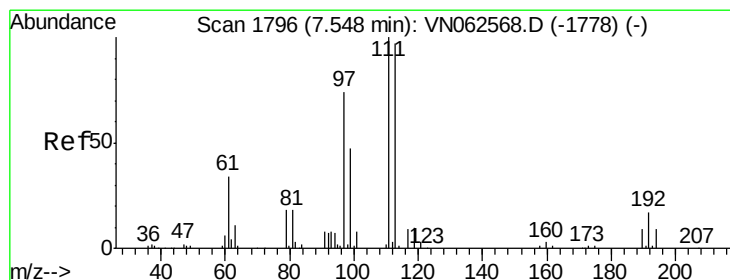
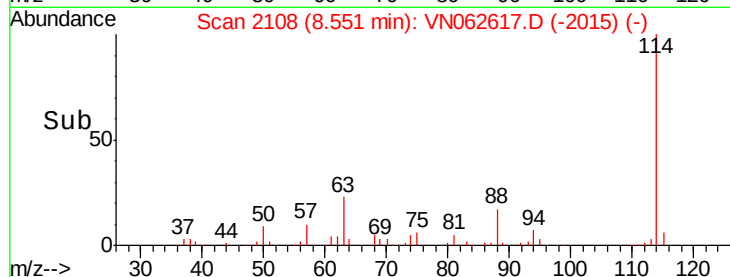
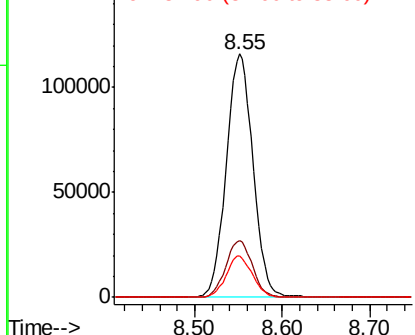
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062617.D
 Acq: 27 Jul 2020 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 20200438-3001A

Tot Ion:114 Resp: 246446
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 48.4
 88 16.9 0.0 33.8

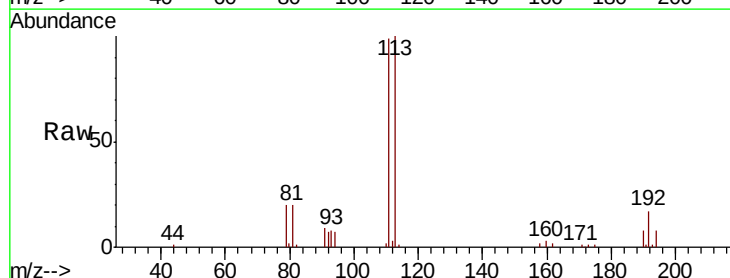


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

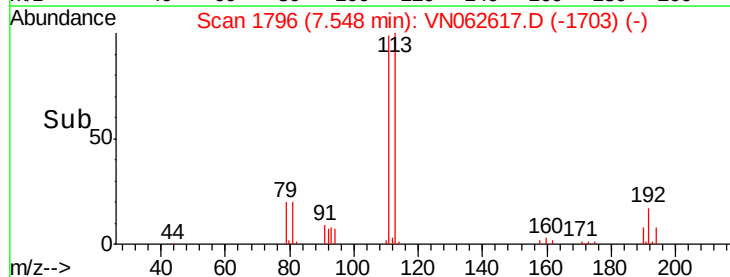
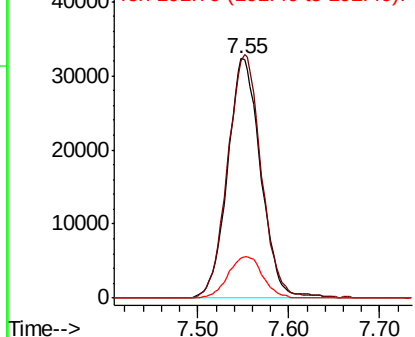


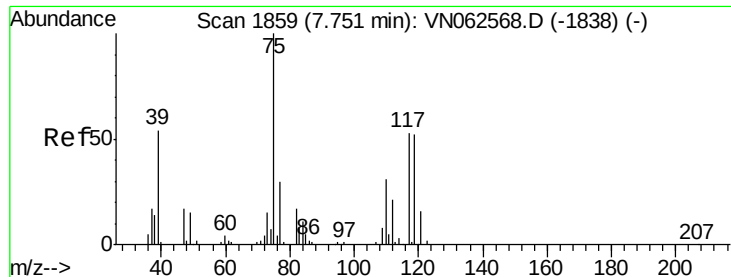
#35
 Dibromofluoromethane
 Concen: 50.657 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062617.D
 Acq: 27 Jul 2020 22:39

Tgt Ion:113 Resp: 82004
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.7 124.1
 192 18.0 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: 4.388 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062617.D

Acq: 27 Jul 2020 22:39

Instrument :

MSVOA_N

ClientSampleId :

20200438-3001A

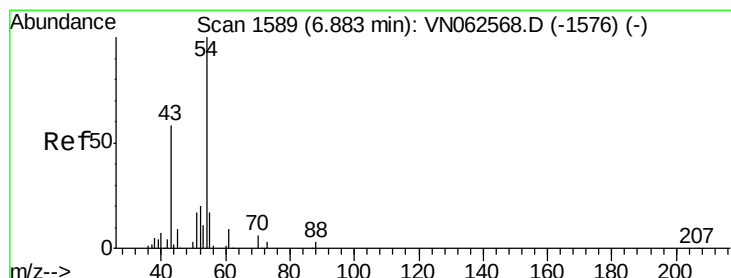
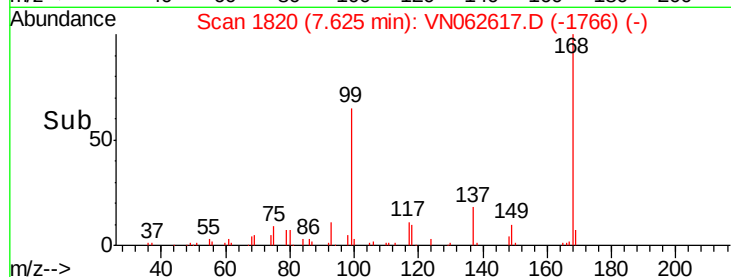
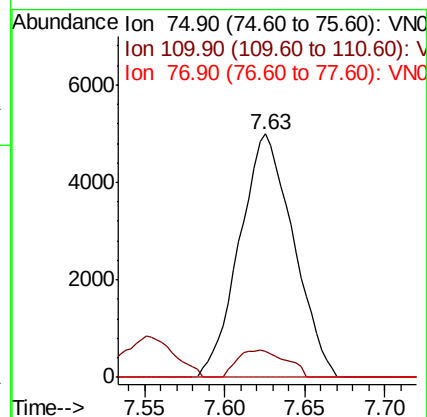
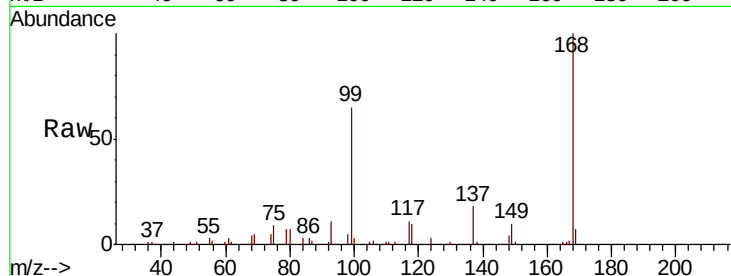
Tot Ion: 75 Resp: 11527

Ion Ratio Lower Upper

75 100

110 9.9 16.0 48.0#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 6.345 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.09 min

Lab File: VN062617.D

Acq: 27 Jul 2020 22:39

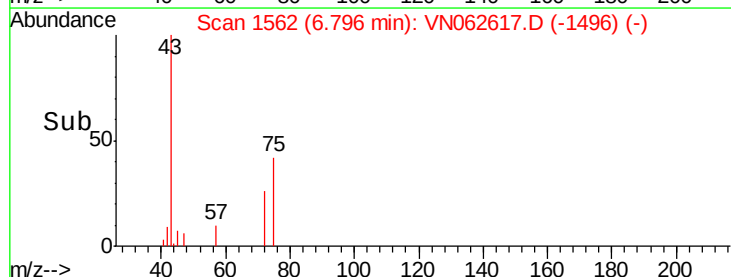
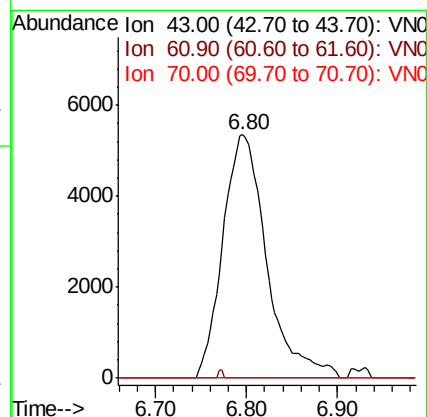
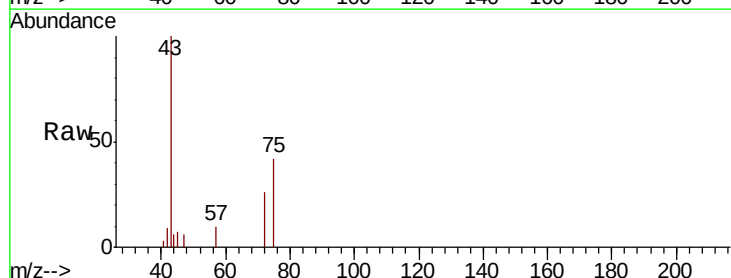
Tgt Ion: 43 Resp: 17966

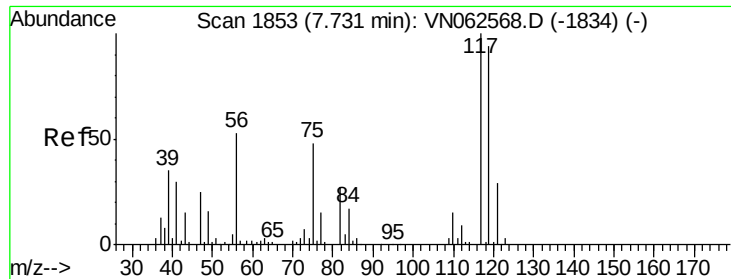
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 7.7 11.5#

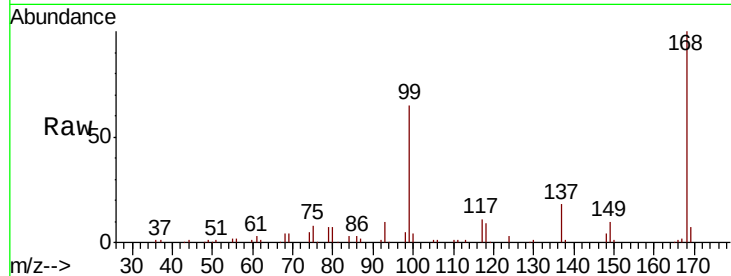




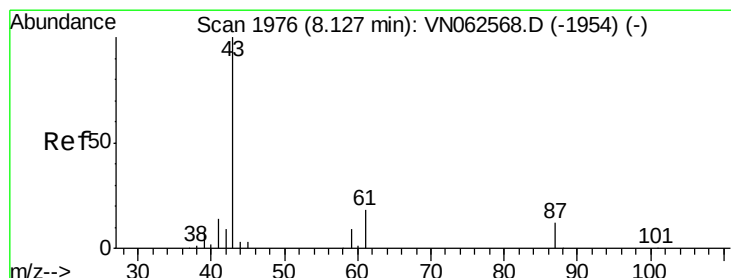
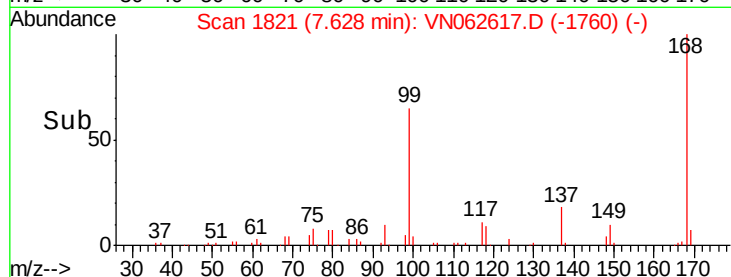
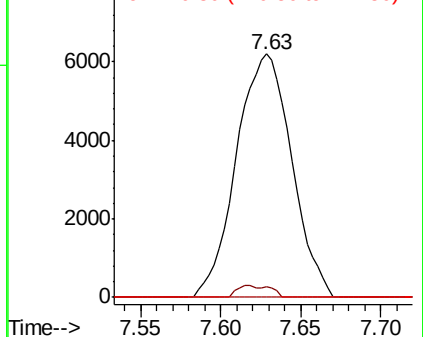
#38
Carbon Tetrachloride
Concen: 5.813 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062617.D
Acq: 27 Jul 2020 22:39

Instrument :
MSVOA_N
ClientSampleId :
20200438-3001A

Tot Ion:117 Resp: 14677
Ion Ratio Lower Upper
117 100
119 4.4 74.8 112.2#
121 0.0 23.0 34.6#

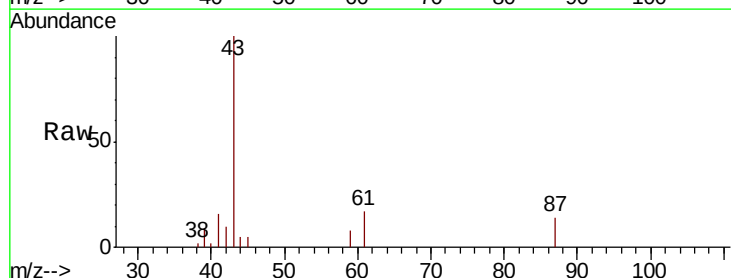


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

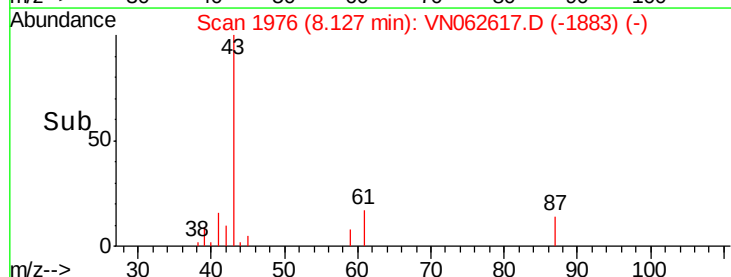
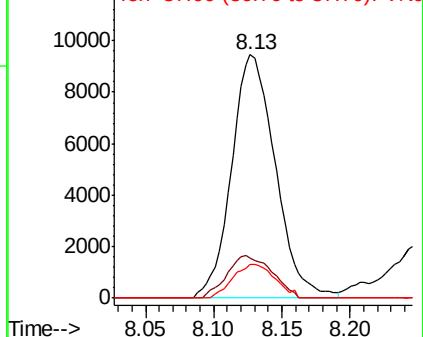


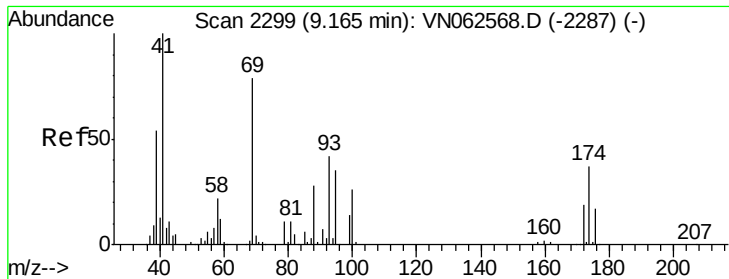
#43
Isopropyl Acetate
Concen: 4.620 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062617.D
Acq: 27 Jul 2020 22:39

Tgt Ion: 43 Resp: 21089
Ion Ratio Lower Upper
43 100
61 17.9 20.8 31.2#
87 13.3 9.2 13.8



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

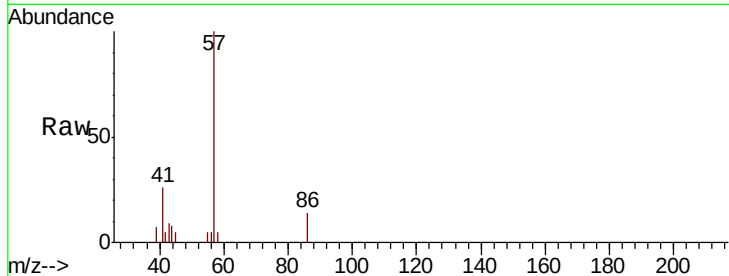




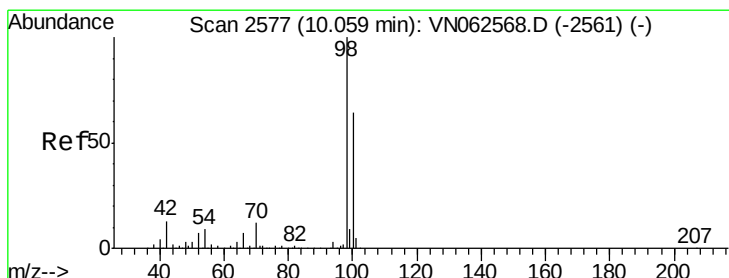
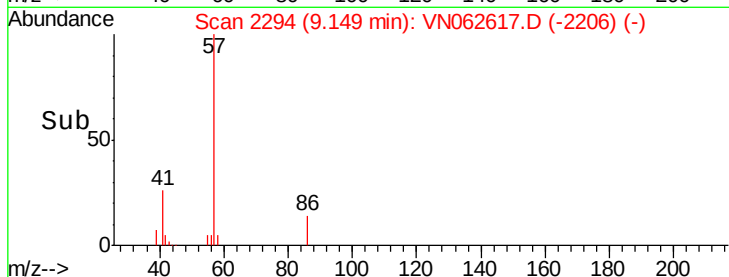
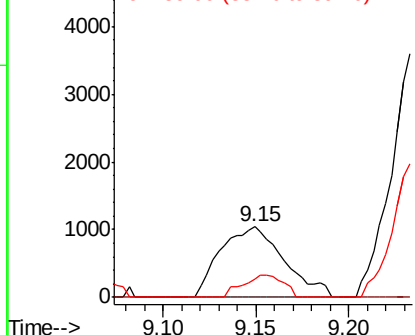
#48
Methvl methacrylate
Concen: 1.149 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN062617.D
Acq: 27 Jul 2020 22:39

Instrument :
MSVOA_N
ClientSampleId :
20200438-3001A

Tot Ion: 41 Resp: 2494
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 19.7 43.5 65.3#

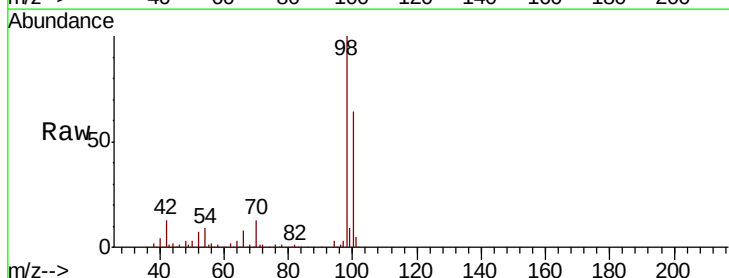


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

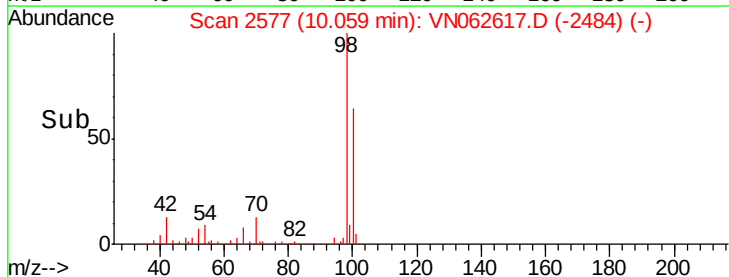
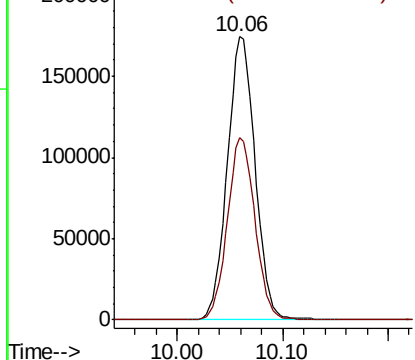


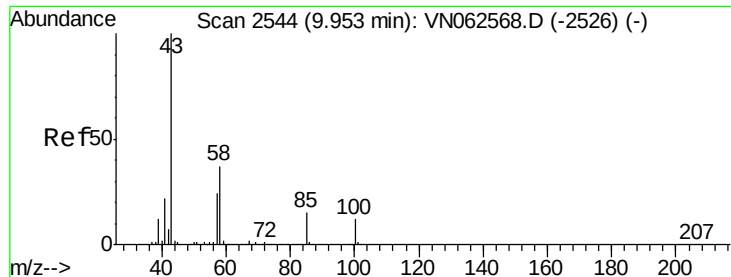
#50
Toluene-d8
Concen: 49.356 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062617.D
Acq: 27 Jul 2020 22:39

Tgt Ion: 98 Resp: 318788
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

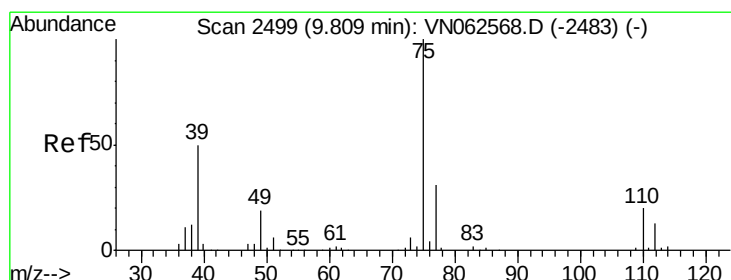
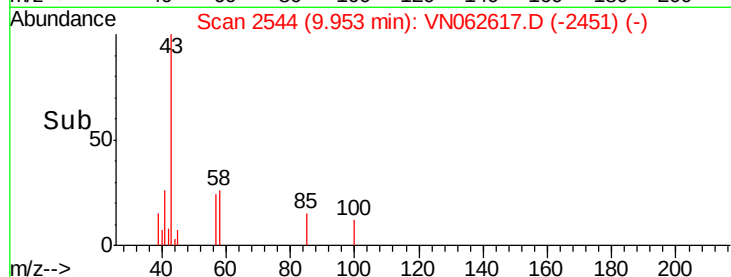
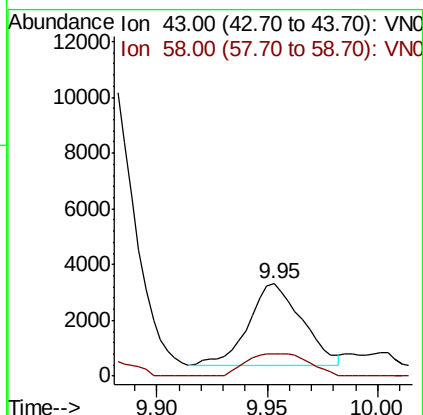
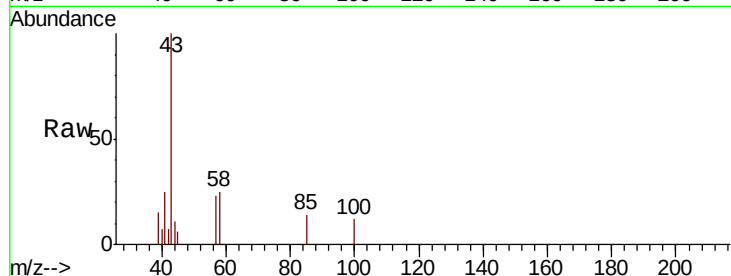




#51
4-Methyl-2-Pentanone
Concen: 1.820 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062617.D
Acq: 27 Jul 2020 22:39

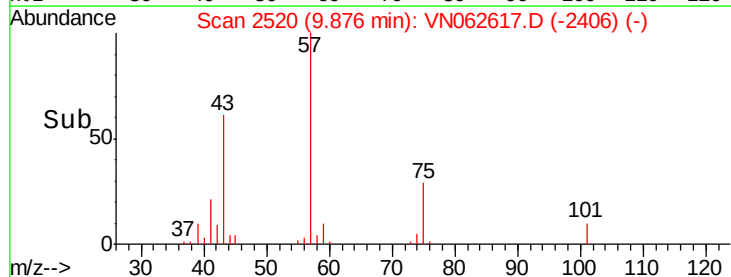
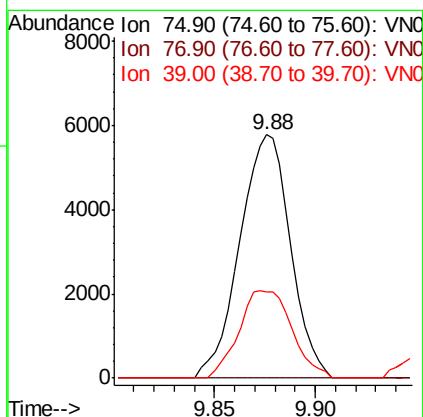
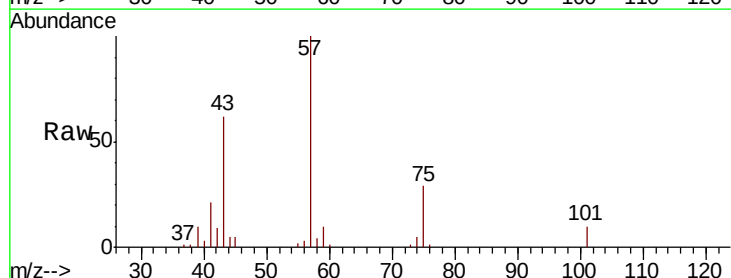
Instrument :
MSVOA_N
ClientSampleId :
20200438-3001A

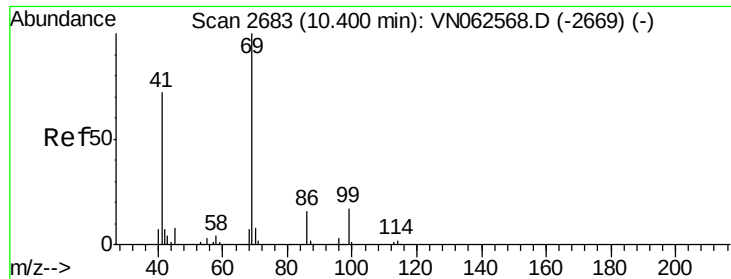
Tot Ion: 43 Resp: 4972
Ion Ratio Lower Upper
43 100
58 32.3 29.8 44.6



#54
cis-1,3-Dichloropropene
Concen: 3.036 ug/l
RT: 9.88 min Scan# 2520
Delta R.T. 0.07 min
Lab File: VN062617.D
Acq: 27 Jul 2020 22:39

Tgt Ion: 75 Resp: 10141
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 35.2 39.8 59.8#





#56

Ethyl methacrylate

Concen: 2.007 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN062617.D

Acq: 27 Jul 2020 22:39

Instrument :

MSVOA_N

ClientSampleId :

20200438-3001A

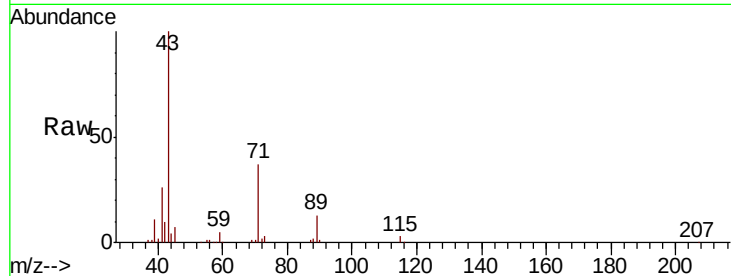
Tot Ion: 69 Resp: 793

Ion Ratio Lower Upper

69 100

41 4006.4 57.2 85.8#

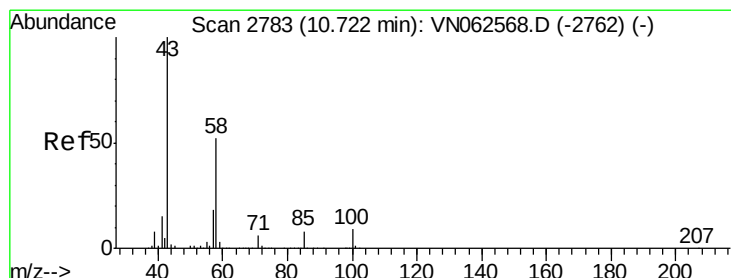
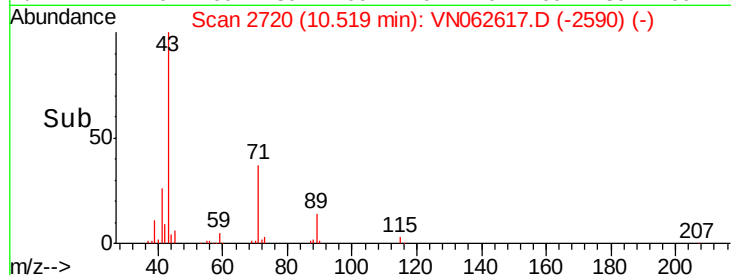
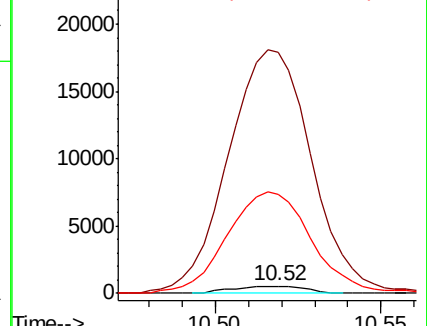
39 1675.7 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN062617.D (-2720) (-)

Ion 41.00 (40.70 to 41.70): VN062617.D (-2720) (-)

Ion 39.00 (38.70 to 39.70): VN062617.D (-2720) (-)



#59

2-Hexanone

Concen: 6.337 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062617.D

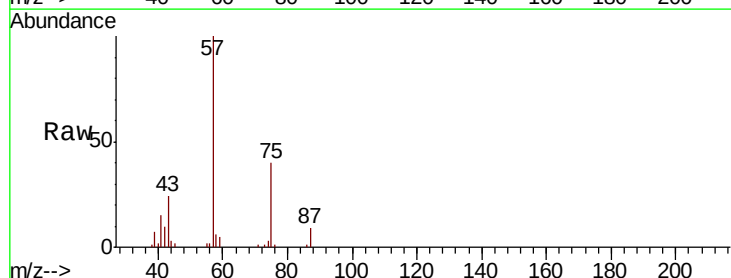
Acq: 27 Jul 2020 22:39

Tgt Ion: 43 Resp: 7220

Ion Ratio Lower Upper

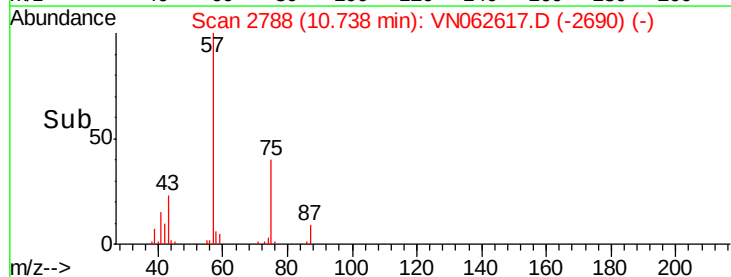
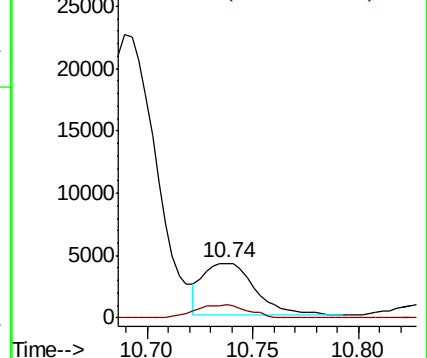
43 100

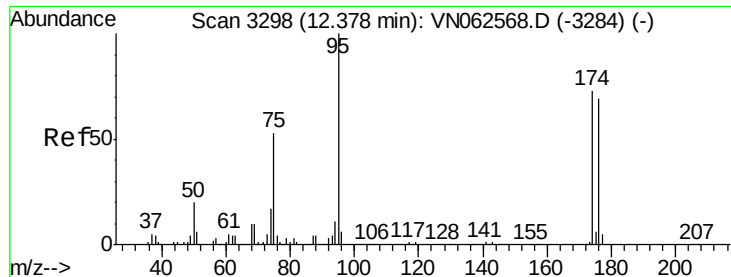
58 24.9 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062617.D (-2788) (-)

Ion 58.00 (57.70 to 58.70): VN062617.D (-2788) (-)

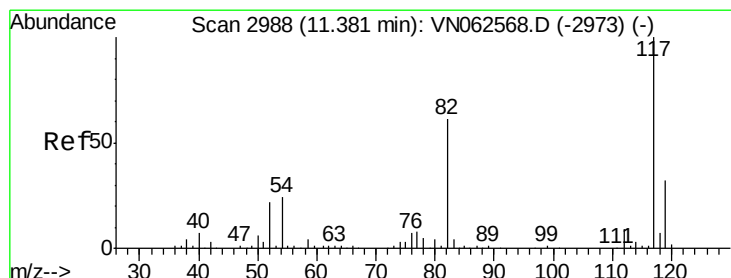
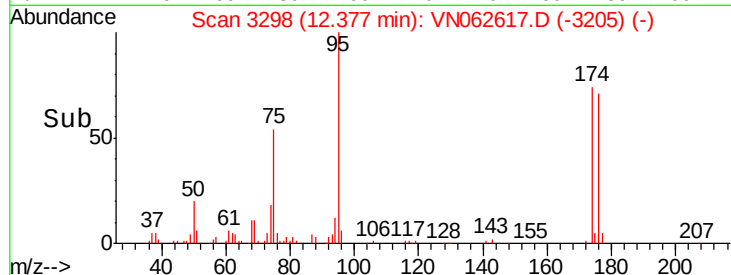
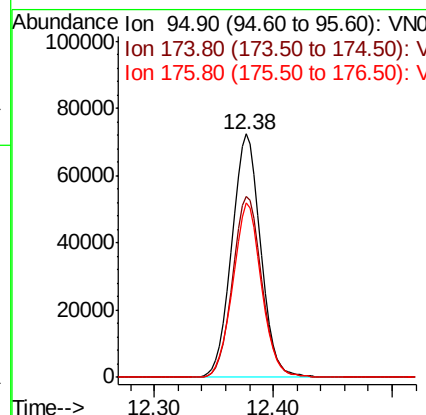
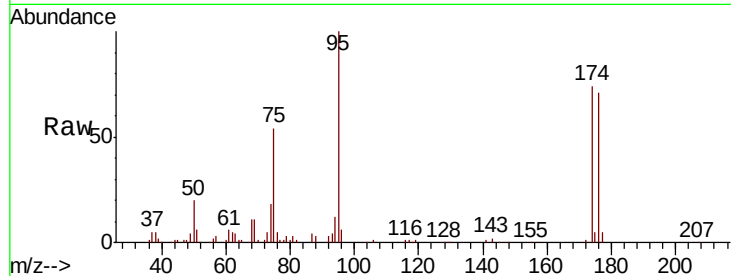




#62
4-Bromofluorobenzene
Concen: 51.487 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062617.D
Acq: 27 Jul 2020 22:39

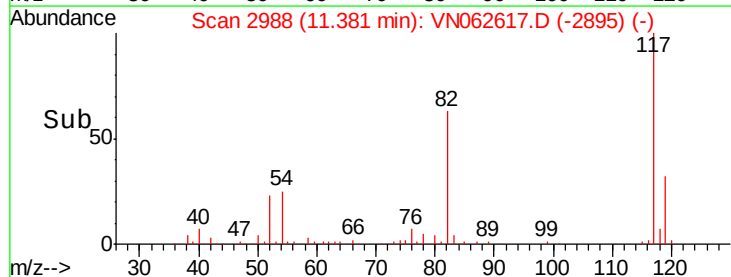
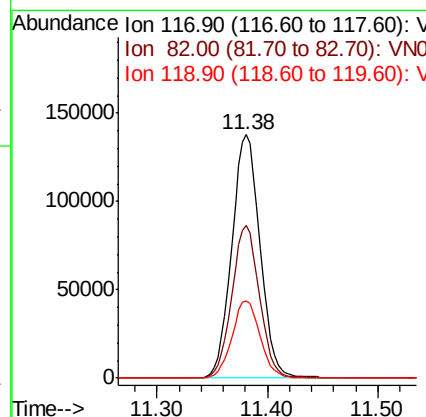
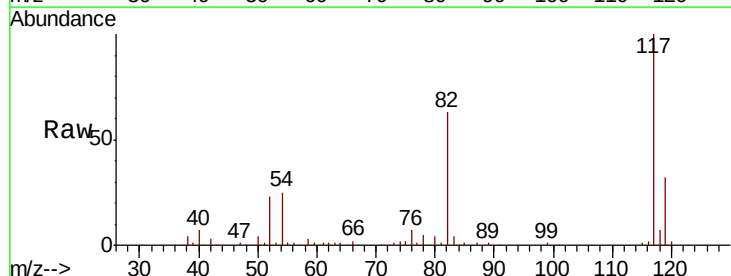
Instrument :
MSVOA_N
ClientSampleId :
20200438-3001A

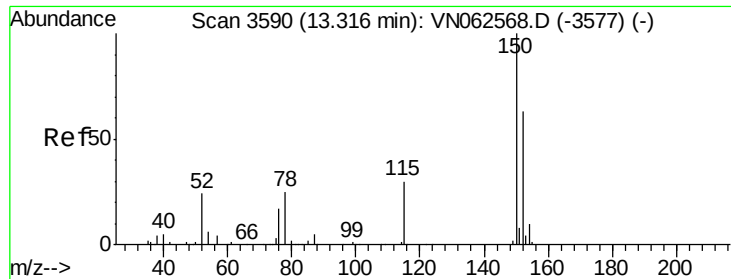
Tot Ion	95	Resp	121595
Ion Ratio	100		
Lower			
Upper			
174	75.3	0.0	144.6
176	71.0	0.0	139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062617.D
Acq: 27 Jul 2020 22:39

Tgt Ion	117	Resp	245242
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	62.7	49.0	73.6
119	32.0	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062617.D

Acq: 27 Jul 2020 22:39

Instrument :

MSVOA_N

ClientSampleId :

20200438-3001A

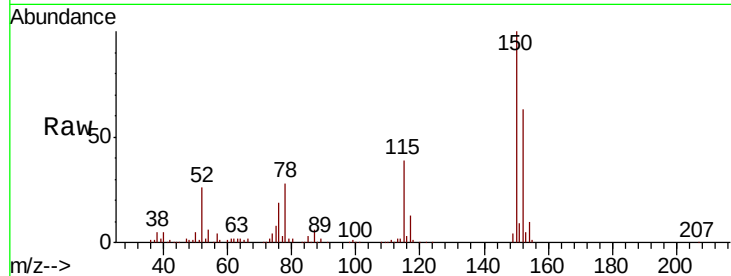
Tot Ion:152 Resp: 107075

Ion Ratio Lower Upper

152 100

115 62.8 31.8 95.4

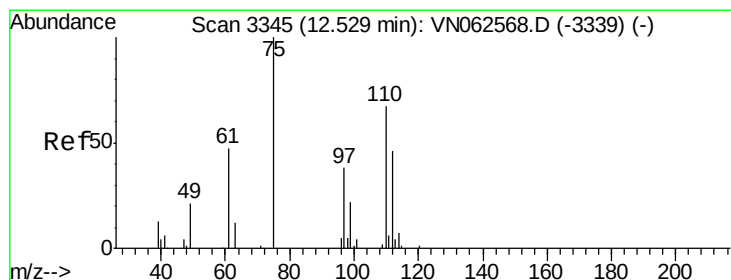
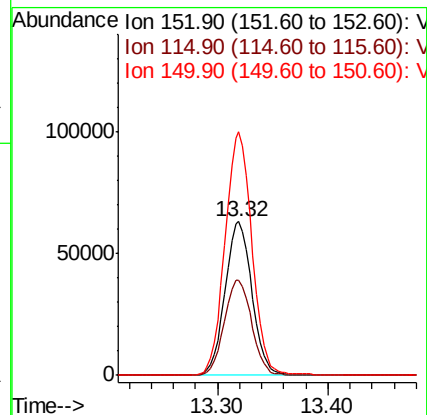
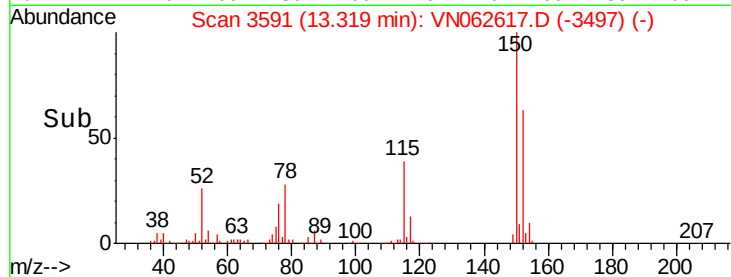
150 157.8 0.0 351.4



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



#76

1,2,3-Trichloropropane

Concen: 24.872 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062617.D

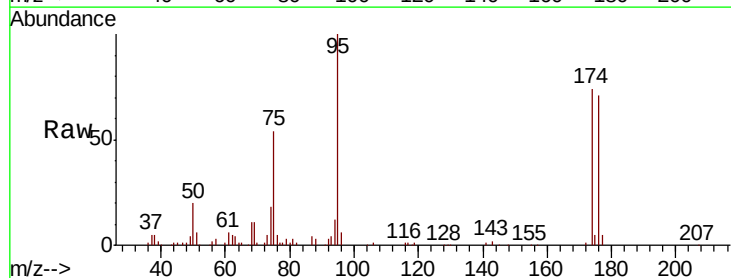
Acq: 27 Jul 2020 22:39

Tgt Ion: 75 Resp: 67787

Ion Ratio Lower Upper

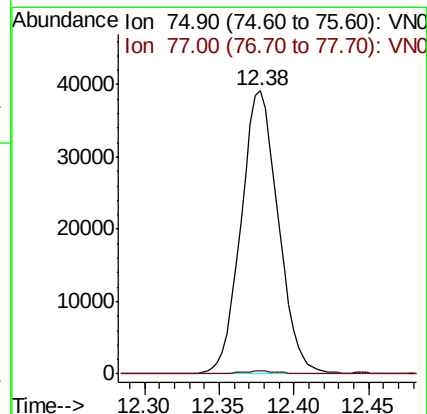
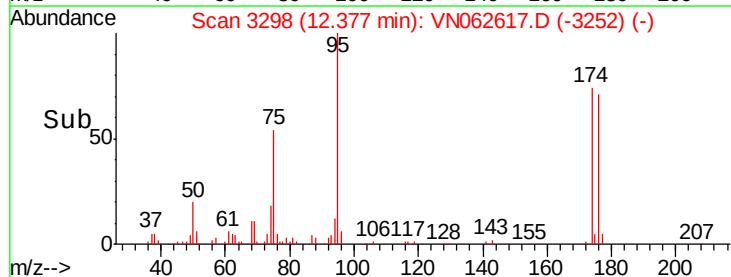
75 100

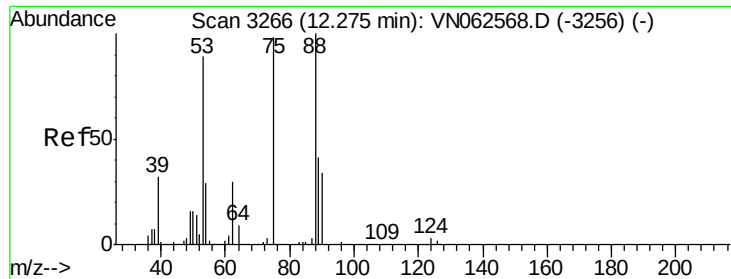
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 69.238 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062617.D

Acq: 27 Jul 2020 22:39

Instrument :

MSVOA_N

ClientSampleId :

20200438-3001A

Tot Ion: 75 Resp: 67787

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

