

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062717.D
 Acq On : 1 Aug 2020 4:48
 Operator : JC/MD
 Sample : L3518-23
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Quant Time: Aug 01 06:14:59 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	152985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	281096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	287073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	134874	56.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.50%	
35) Dibromofluoromethane	7.55	113	93116	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.06	98	373603	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.38	95	139223	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	

Target Compounds

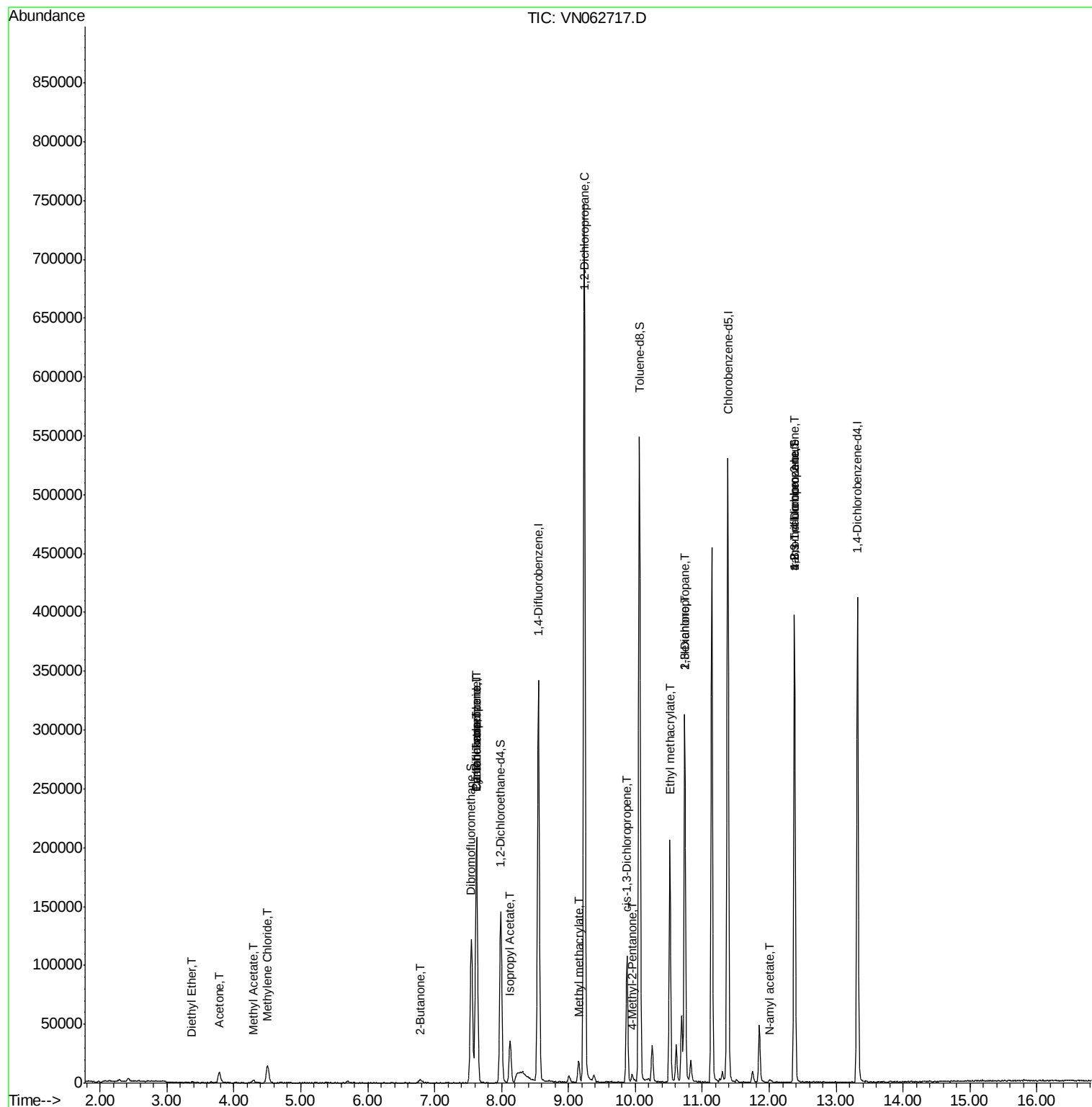
						Qvalue
8) Diethyl Ether	3.37	74	356	0.302	ug/l #	29
16) Acetone	3.78	43	15384	17.202	ug/l	99
18) Methyl Acetate	4.28	43	4673	2.064	ug/l	93
20) Methylene Chloride	4.50	84	10424	4.860	ug/l	97
25) 2-Butanone	6.79	43	689	0.506	ug/l #	84
31) Cyclohexane	7.63	56	3970	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	14391	4.803	ug/l #	52
38) Carbon Tetrachloride	7.63	117	16722	5.806	ug/l #	18
43) Isopropyl Acetate	8.13	43	43384	8.333	ug/l #	92
45) 1,2-Dichloropropane	9.24	63	800	0.314	ug/l #	44
48) Methyl methacrylate	9.15	41	2716	1.097	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4725	1.517	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	18792	4.933	ug/l #	64
56) Ethyl methacrylate	10.52	69	936	2.015	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3072	0.821	ug/l #	42
59) 2-Hexanone	10.74	43	46333	21.963	ug/l #	55
74) N-amyl acetate	12.01	43	2389	0.648	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	77961	29.315	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	77961	81.606	ug/l #	12

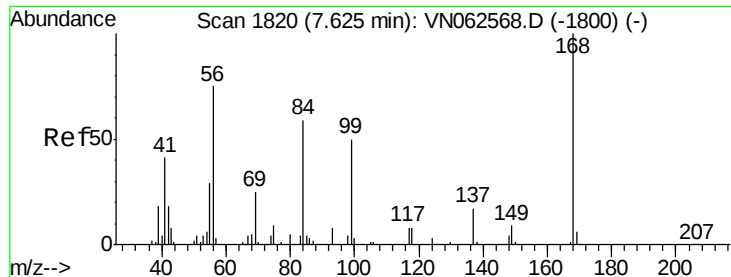
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062717.D

Acq: 1 Aug 2020 4:48

Instrument :

MSVOA_N

ClientSampled :

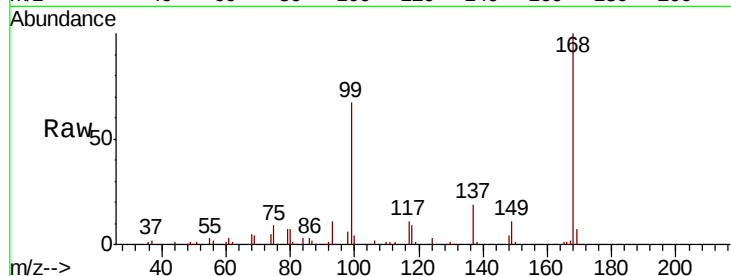
TP-8

Tot Ion:168 Resp: 152985

Ion Ratio Lower Upper

168 100

99 67.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

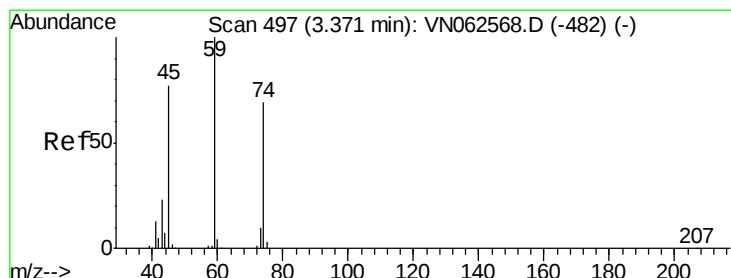
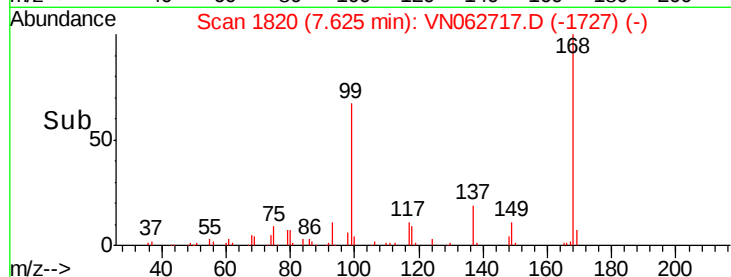
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#8

Diethyl Ether

Concen: 0.302 ug/l

RT: 3.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VN062717.D

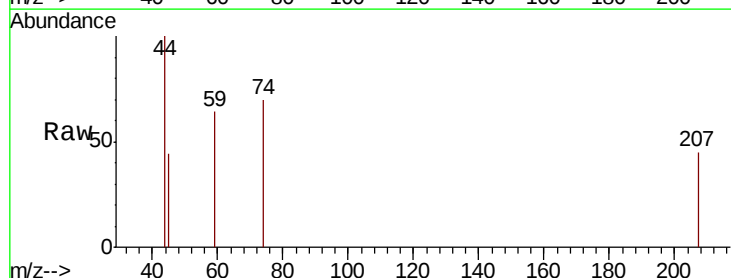
Acq: 1 Aug 2020 4:48

Tgt Ion: 74 Resp: 356

Ion Ratio Lower Upper

74 100

45 35.4 55.3 165.8#



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

300

250

200

150

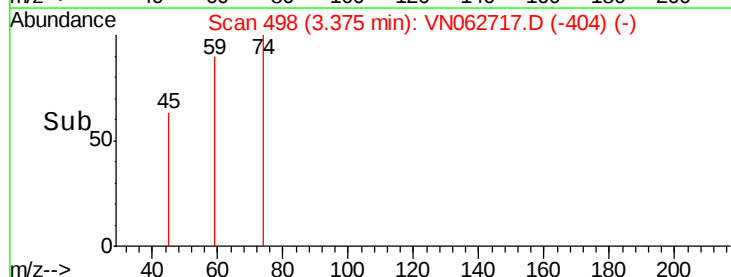
100

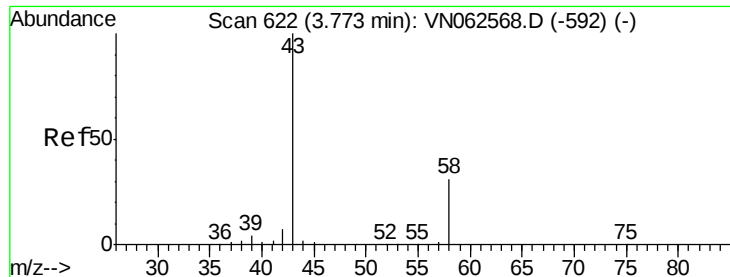
50

0

3.36 3.38 3.40

Time-->





#16

Acetone

Concen: 17.202 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062717.D

Acq: 1 Aug 2020 4:48

Instrument :

MSVOA_N

ClientSampled :

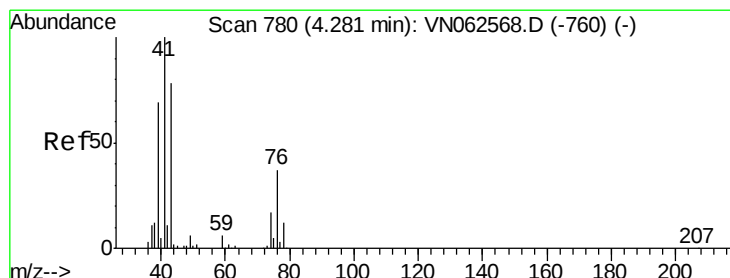
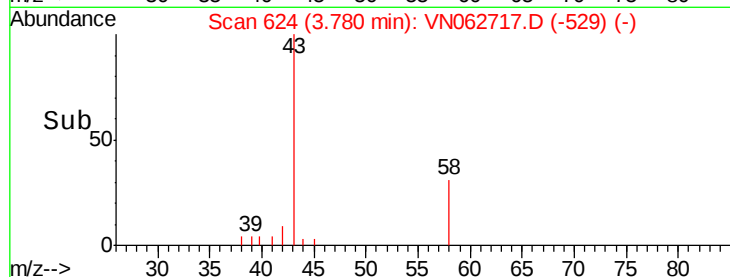
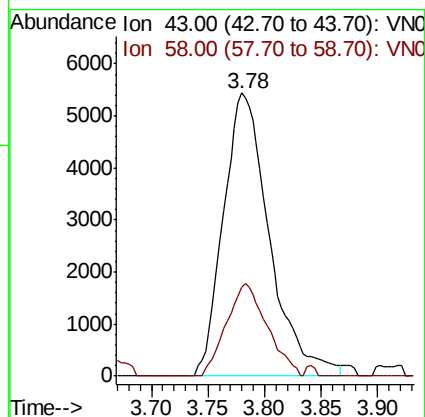
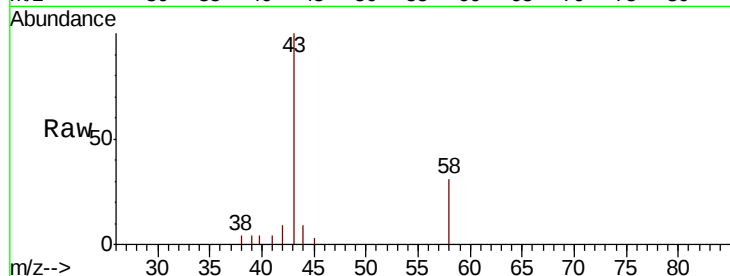
TP-8

Tot Ion: 43 Resp: 15384

Ion Ratio Lower Upper

43 100

58 31.4 24.6 37.0



#18

Methyl Acetate

Concen: 2.064 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN062717.D

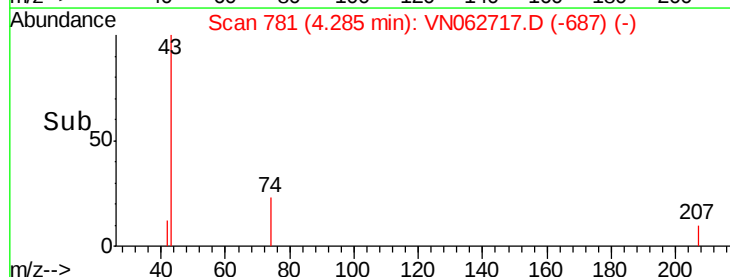
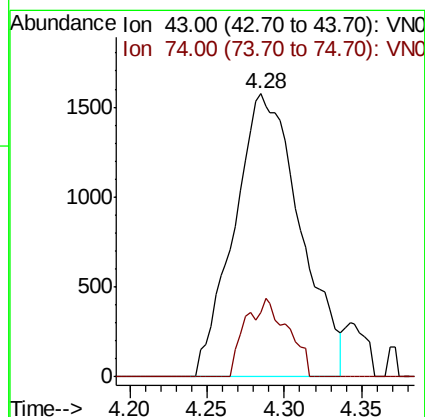
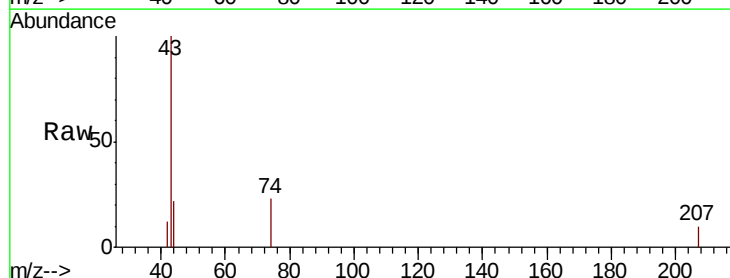
Acq: 1 Aug 2020 4:48

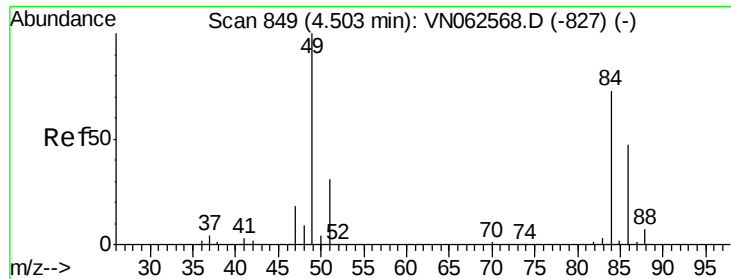
Tgt Ion: 43 Resp: 4673

Ion Ratio Lower Upper

43 100

74 17.7 16.6 24.8

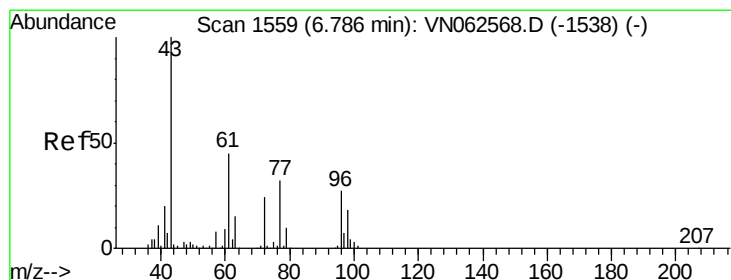
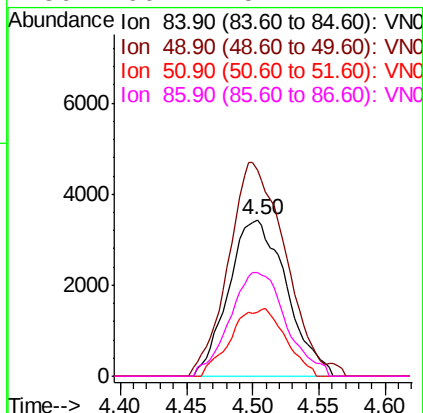
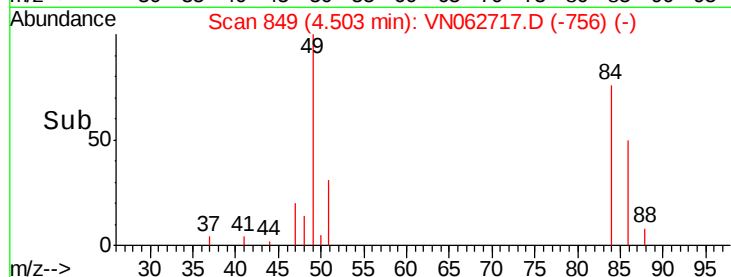
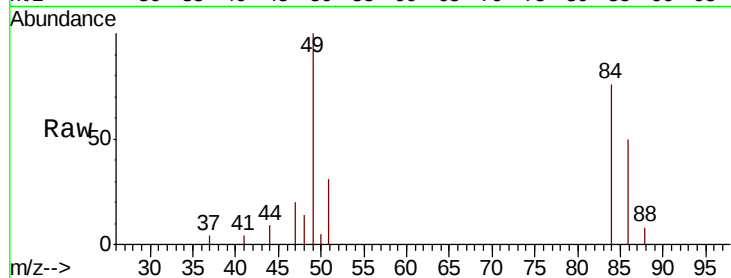




#20
Methvlene Chloride
Concen: 4.860 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN062717.D
Acq: 1 Aug 2020 4:48

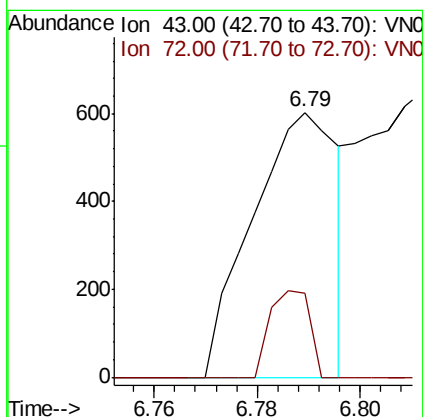
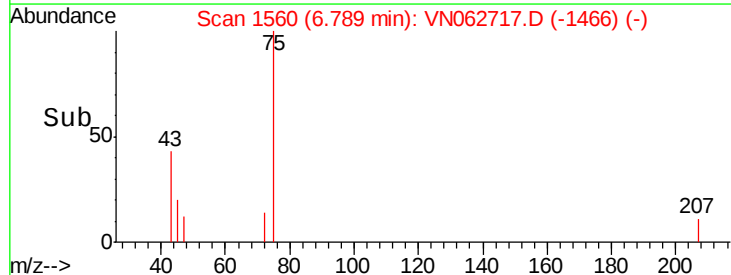
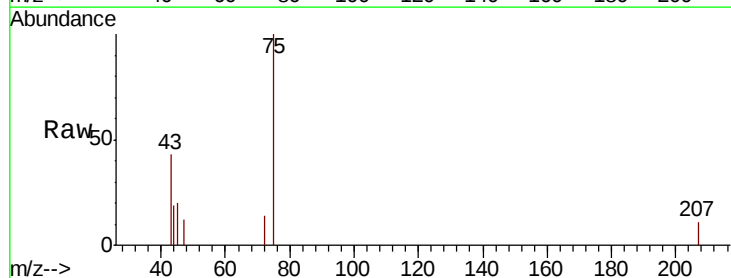
Instrument :
MSVOA_N
ClientSampled :
TP-8

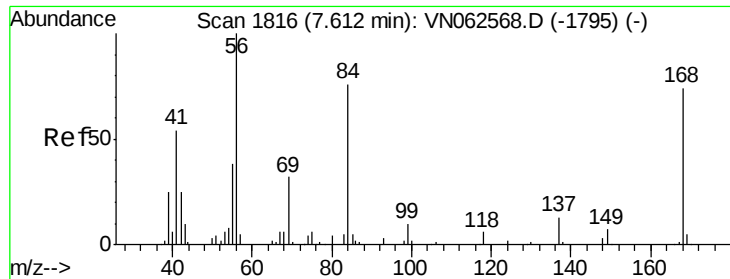
Tot Ion: 84 Resp: 10424
Ion Ratio Lower Upper
84 100
49 131.7 109.4 164.0
51 40.5 33.6 50.4
86 66.4 51.4 77.2



#25
2-Butanone
Concen: 0.506 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062717.D
Acq: 1 Aug 2020 4:48

Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
72 31.8 19.0 28.6#

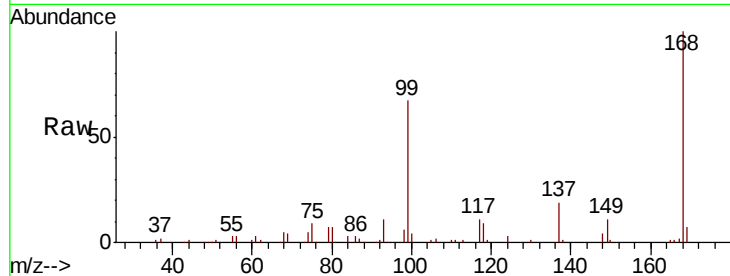




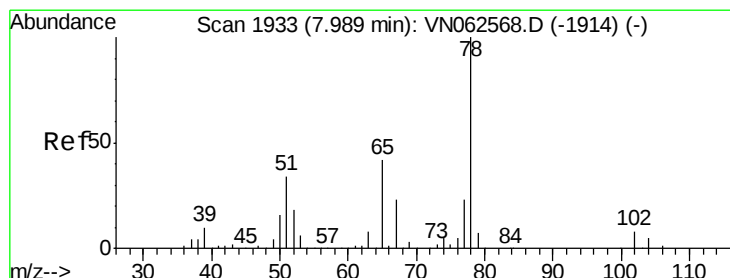
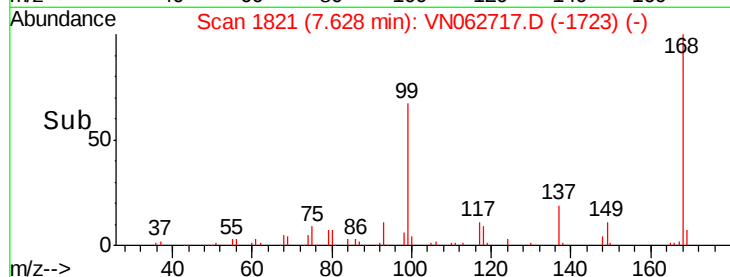
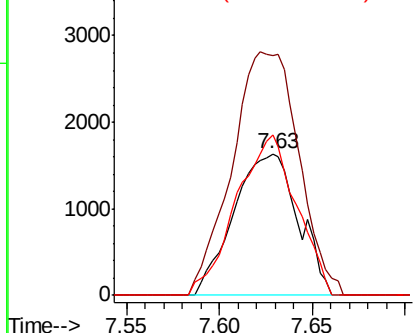
#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062717.D
Acq: 1 Aug 2020 4:48

Instrument :
MSVOA_N
ClientSampled :
TP-8

Tot Ion: 56 Resp: 3970
Ion Ratio Lower Upper
56 100
69 169.9 25.3 37.9#
84 114.0 61.0 91.4#

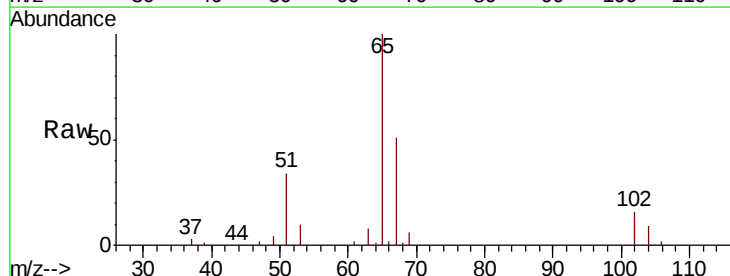


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

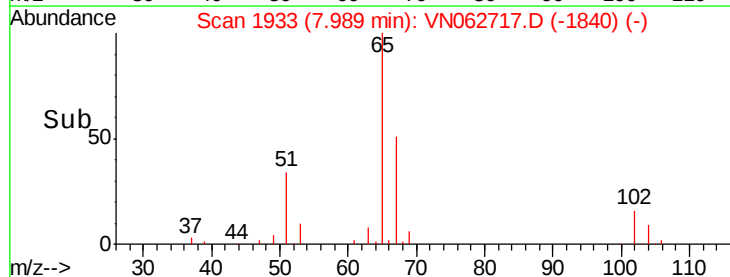
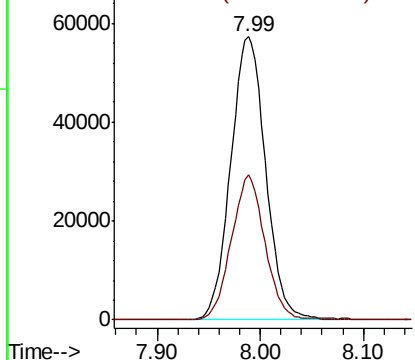


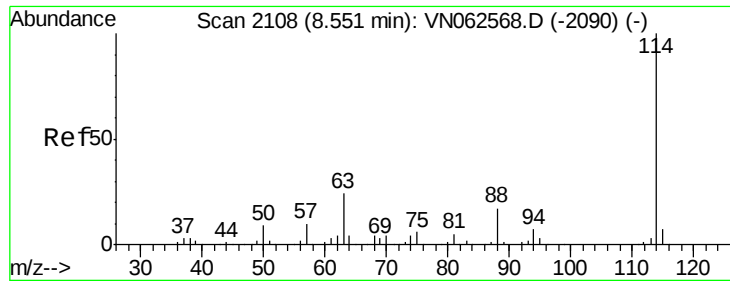
#33
1,2-Dichloroethane-d4
Concen: 56.752 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062717.D
Acq: 1 Aug 2020 4:48

Tgt Ion: 65 Resp: 134874
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

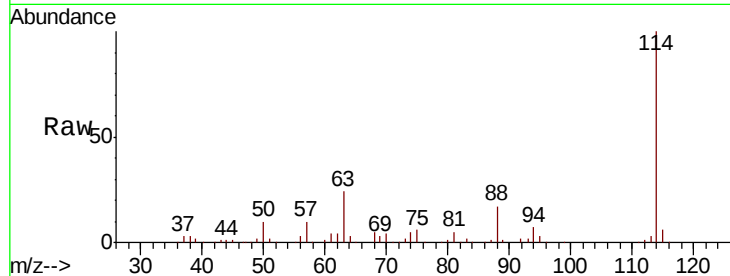




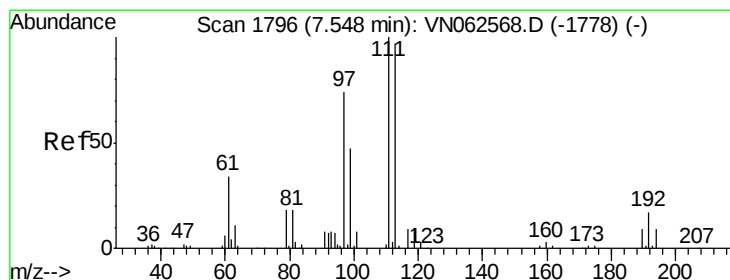
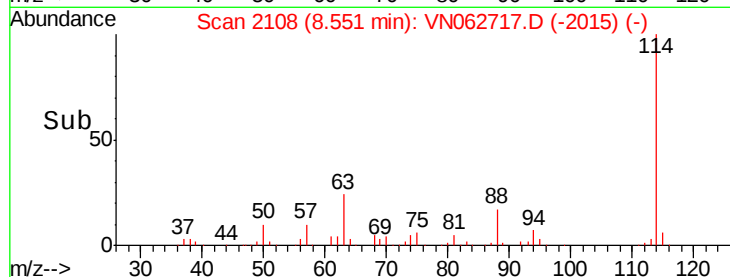
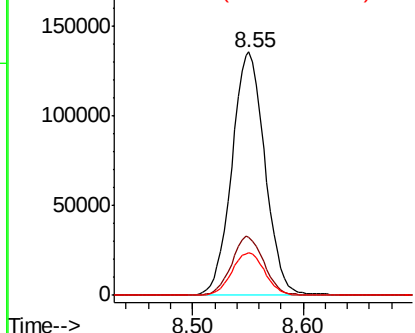
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062717.D
 Acq: 1 Aug 2020 4:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	48.4
88	17.4	0.0	33.8

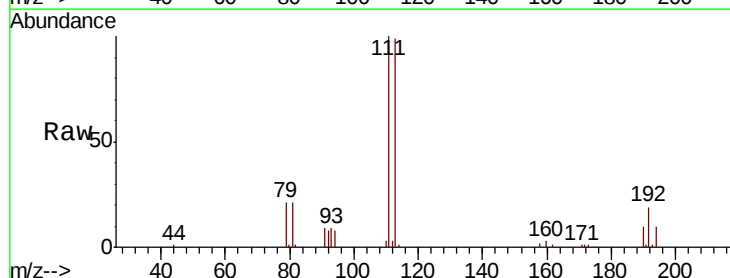


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

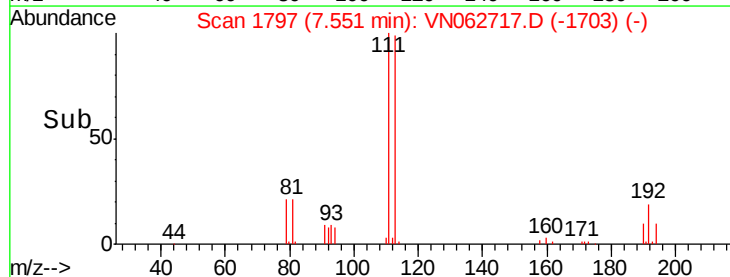
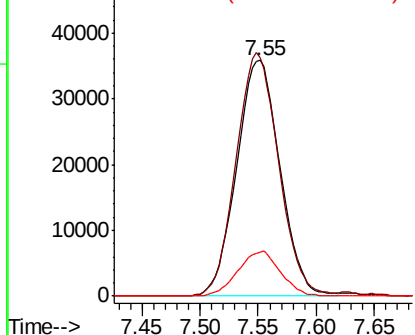


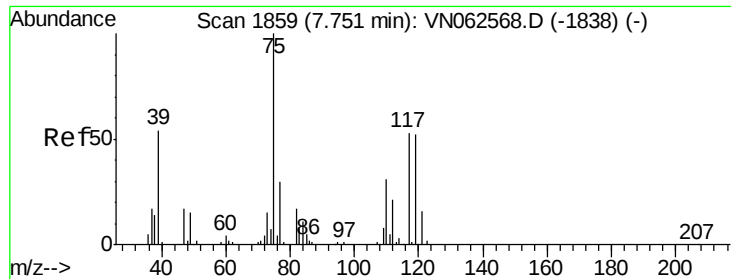
#35
 Dibromofluoromethane
 Concen: 50.431 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062717.D
 Acq: 1 Aug 2020 4:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.7	124.1
192	18.6	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

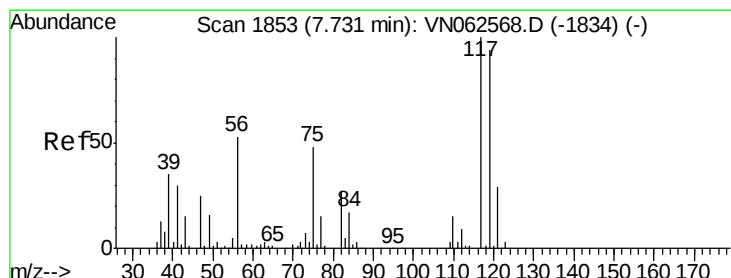
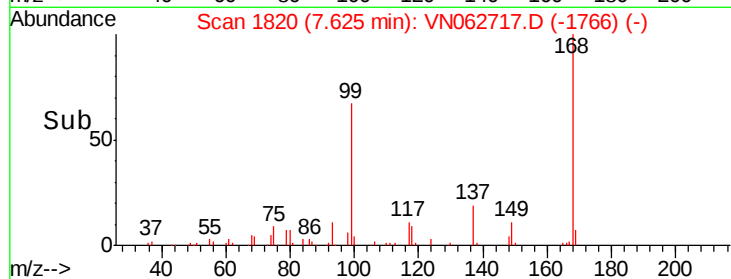
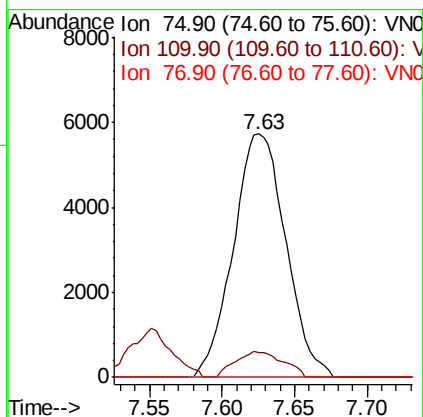
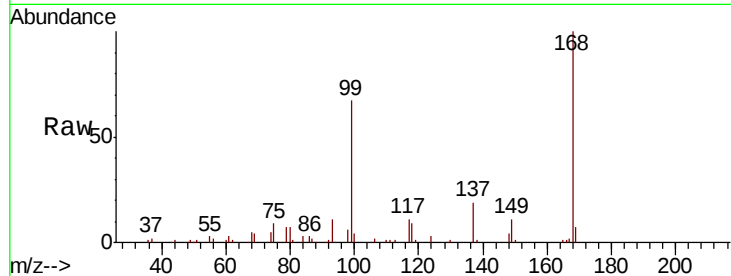




#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062717.D
 Acq: 1 Aug 2020 4:48

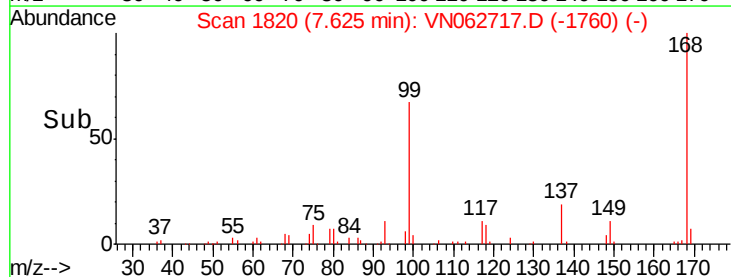
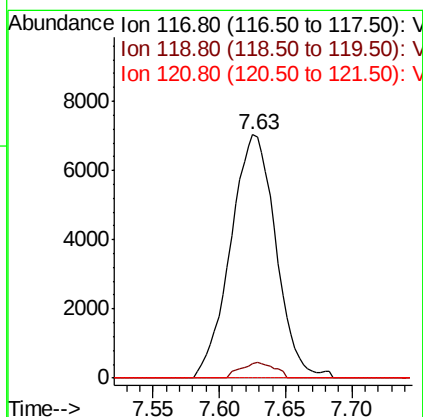
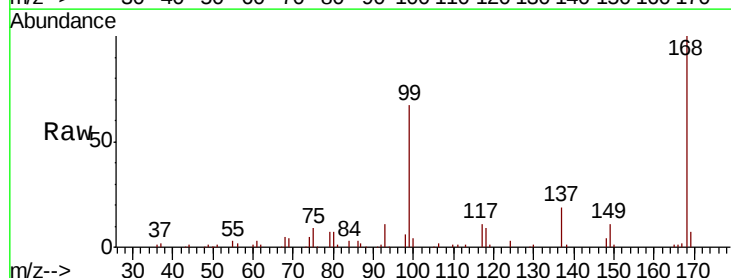
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

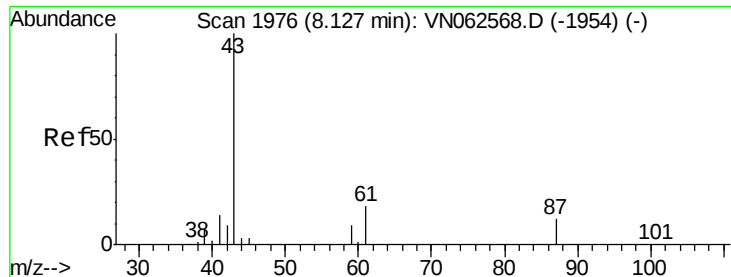
Tot Ion	75	Resp	14391
Ion Ratio	Lower	Upper	
75	100		
110	9.7	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.806 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062717.D
 Acq: 1 Aug 2020 4:48

Tgt Ion	117	Resp	16722
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	6.0	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 8.333 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062717.D

Acq: 1 Aug 2020 4:48

Instrument :

MSVOA_N

ClientSampled :

TP-8

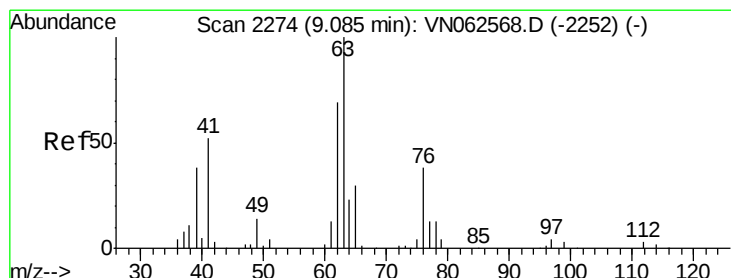
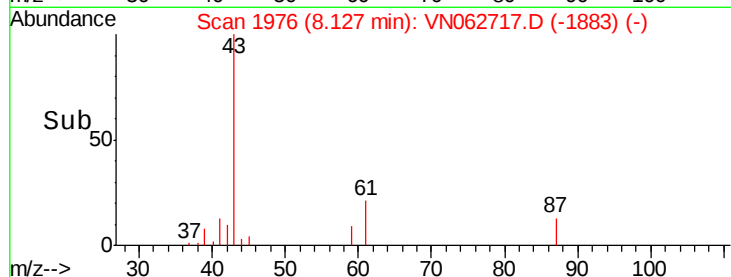
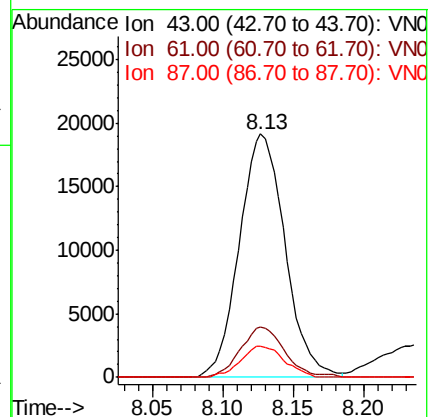
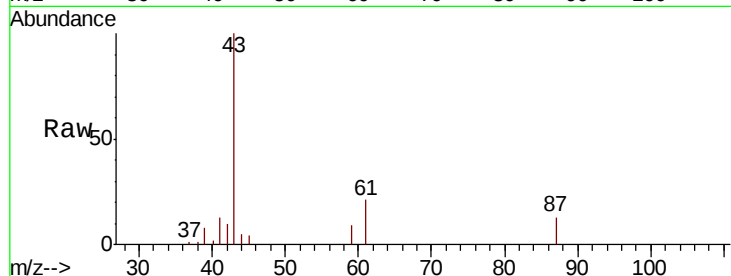
Tot Ion: 43 Resp: 43384

Ion Ratio Lower Upper

43 100

61 20.2 20.8 31.2#

87 12.2 9.2 13.8



#45

1,2-Dichloropropane

Concen: 0.314 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062717.D

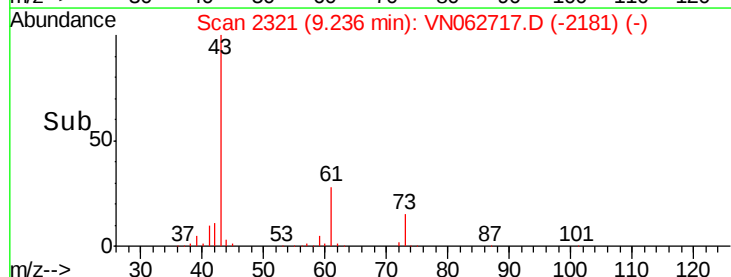
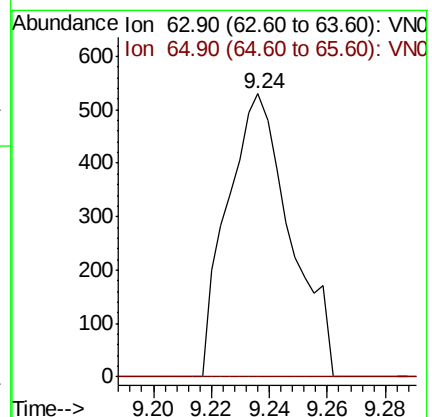
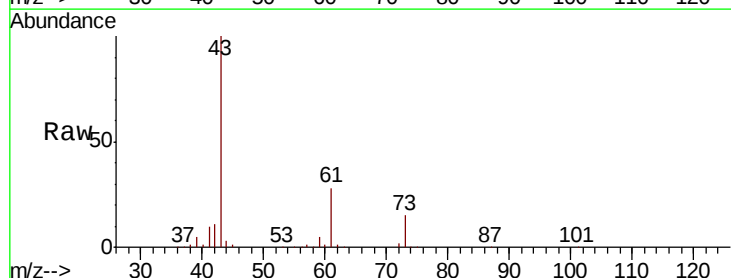
Acq: 1 Aug 2020 4:48

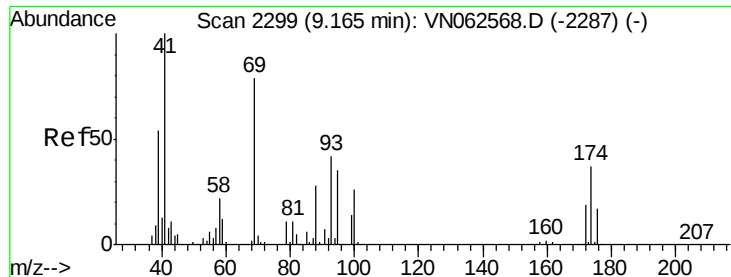
Tgt Ion: 63 Resp: 800

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#

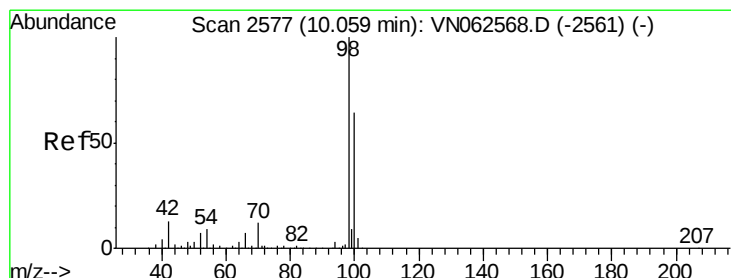
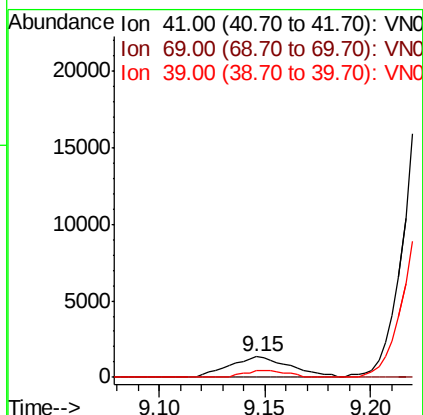
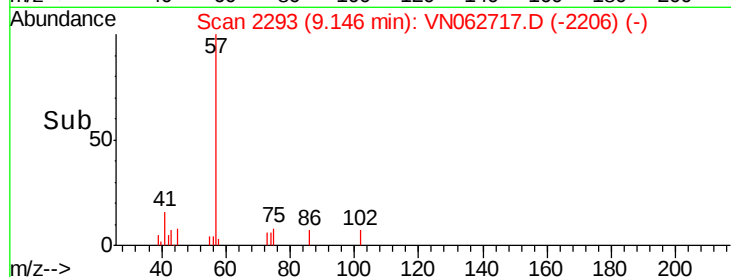
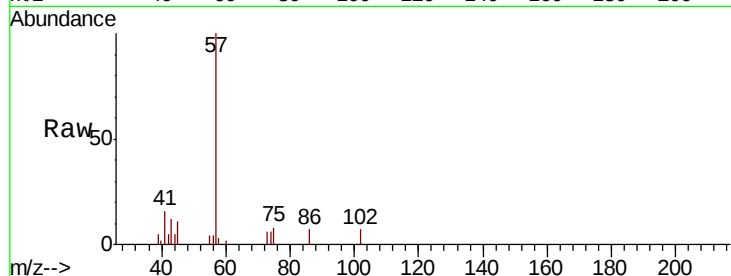




#48
Methvl methacrylate
Concen: 1.097 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062717.D
Acq: 1 Aug 2020 4:48

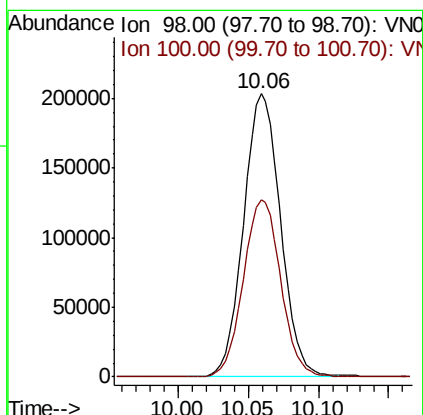
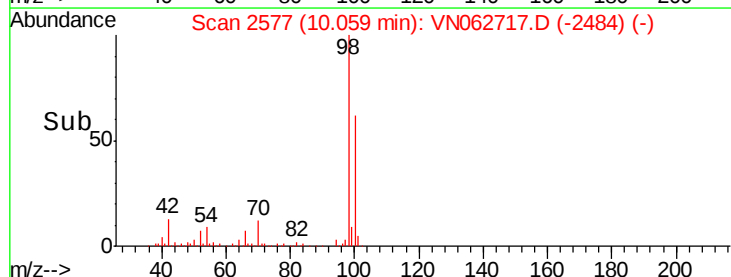
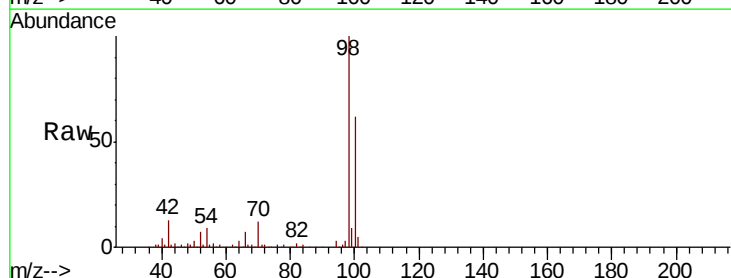
Instrument :
MSVOA_N
ClientSampled :
TP-8

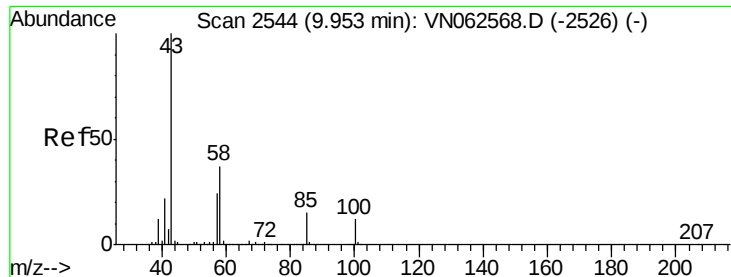
Tot Ion: 41 Resp: 2716
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 50.713 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062717.D
Acq: 1 Aug 2020 4:48

Tgt Ion: 98 Resp: 373603
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

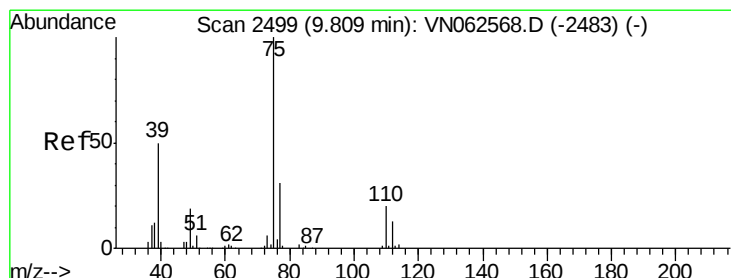
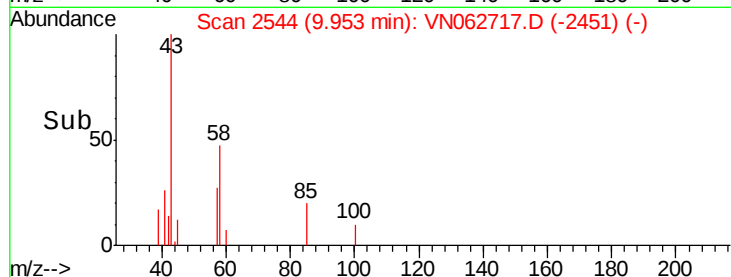
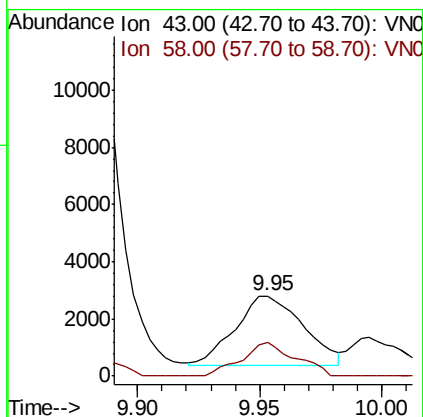
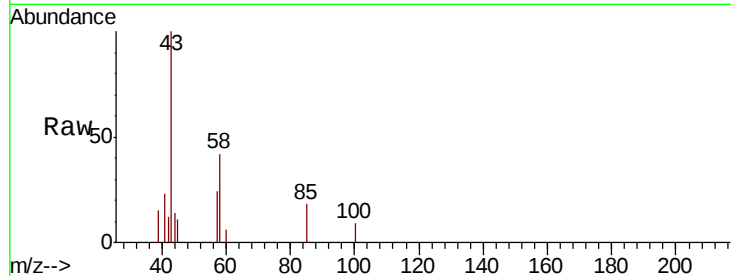




#51
 4-Methyl-2-Pentanone
 Concen: 1.517 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062717.D
 Acq: 1 Aug 2020 4:48

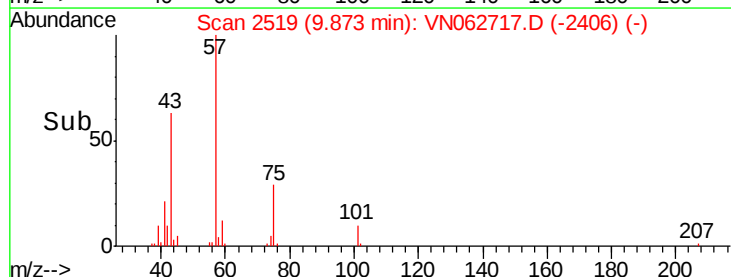
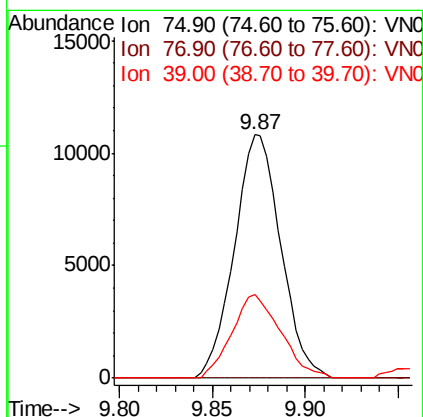
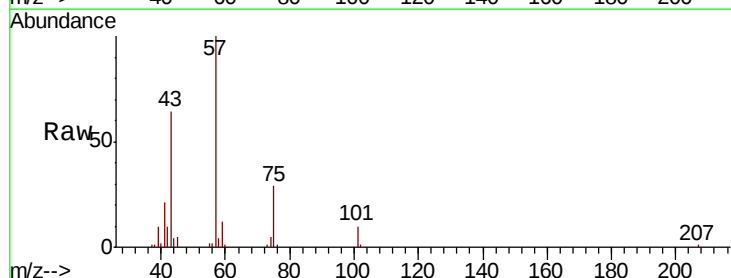
Instrument :
 MSVOA_N
 ClientSampled :
 TP-8

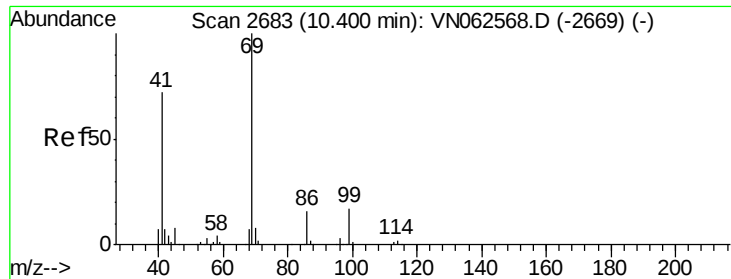
Tot Ion: 43 Resp: 4725
 Ion Ratio Lower Upper
 43 100
 58 38.4 29.8 44.6



#54
 cis-1,3-Dichloropropene
 Concen: 4.933 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062717.D
 Acq: 1 Aug 2020 4:48

Tgt Ion: 75 Resp: 18792
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 34.4 39.8 59.8#





#56

Ethyl methacrylate

Concen: 2.015 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062717.D

Acq: 1 Aug 2020 4:48

Instrument :

MSVOA_N

ClientSampled :

TP-8

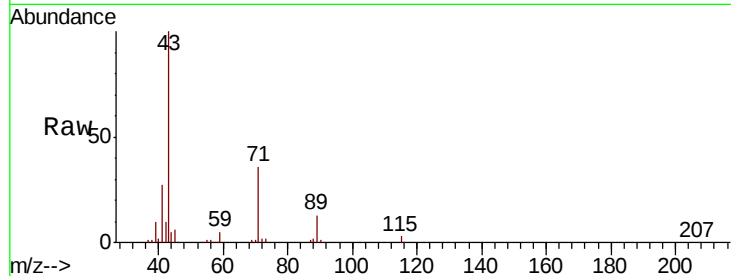
Tot Ion: 69 Resp: 936

Ion Ratio Lower Upper

69 100

41 4308.9 57.2 85.8#

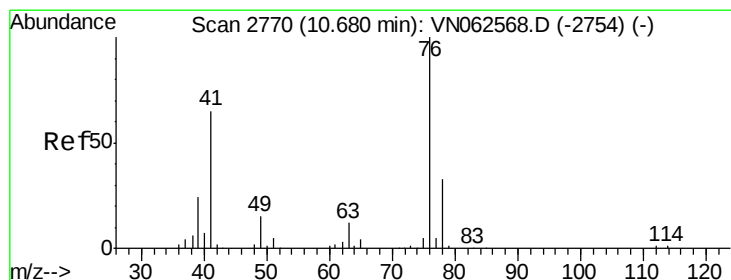
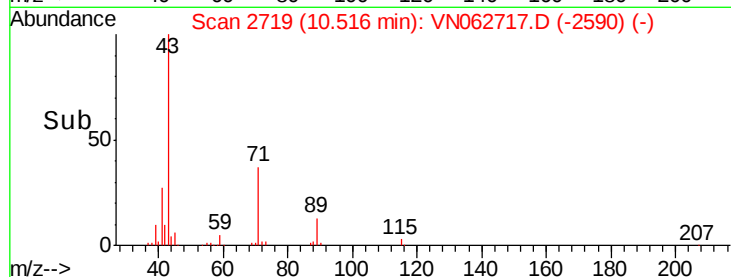
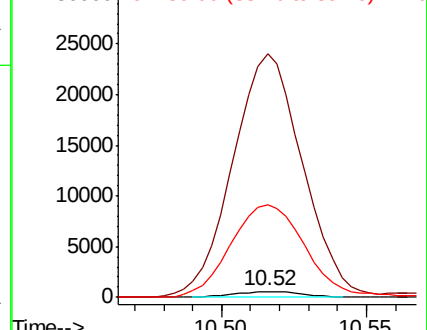
39 1752.1 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN062717.D (-2719) (-)

Ion 41.00 (40.70 to 41.70): VN062717.D (-2719) (-)

Ion 39.00 (38.70 to 39.70): VN062717.D (-2719) (-)



#57

1,3-Dichloropropane

Concen: 0.821 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062717.D

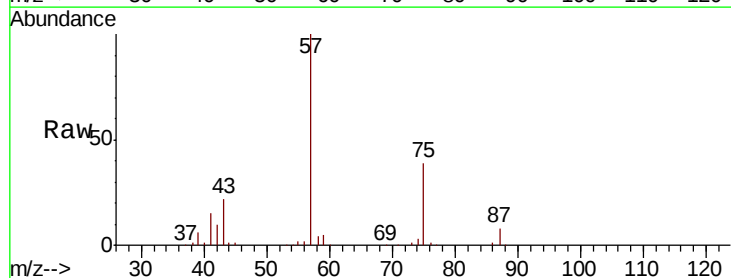
Acq: 1 Aug 2020 4:48

Tgt Ion: 76 Resp: 3072

Ion Ratio Lower Upper

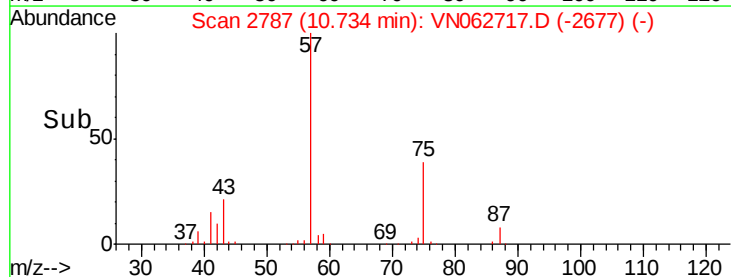
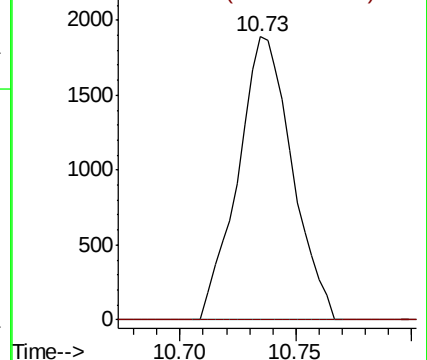
76 100

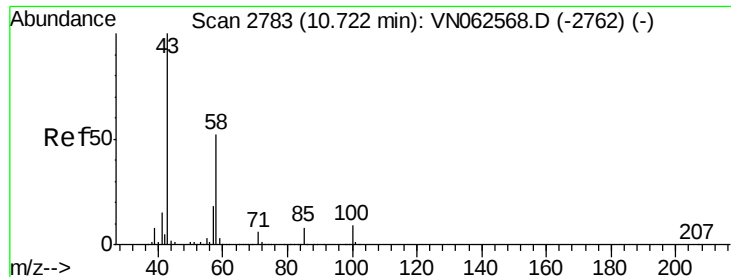
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062717.D (-2787) (-)

Ion 77.90 (77.60 to 78.60): VN062717.D (-2787) (-)

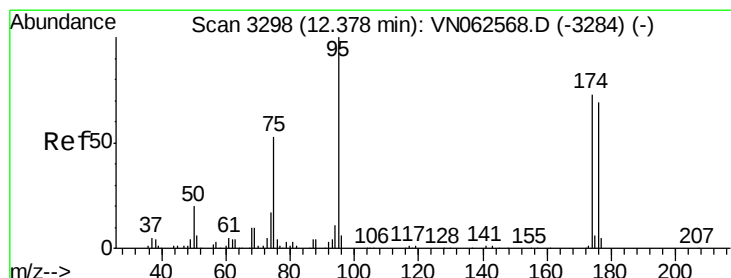
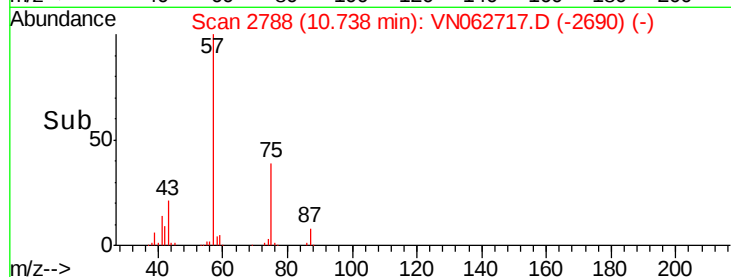
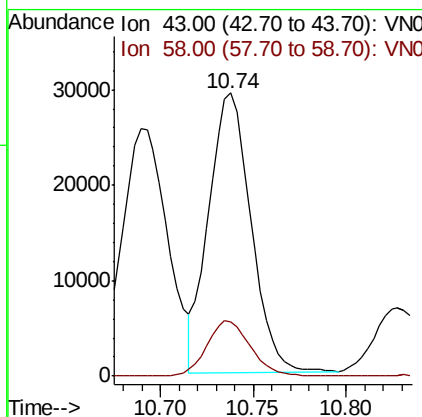
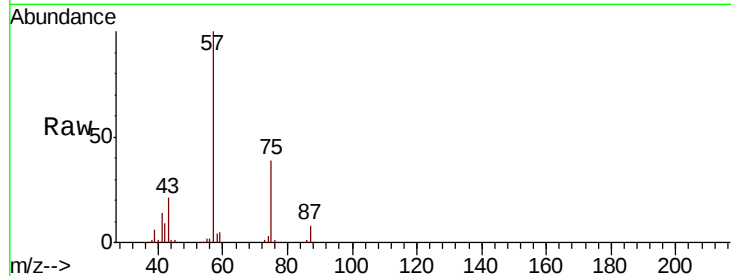




#59
2-Hexanone
Concen: 21.963 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062717.D
Acq: 1 Aug 2020 4:48

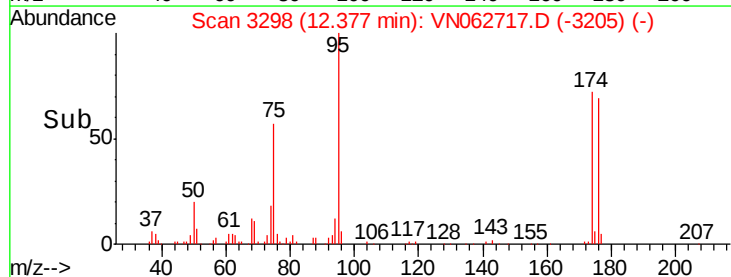
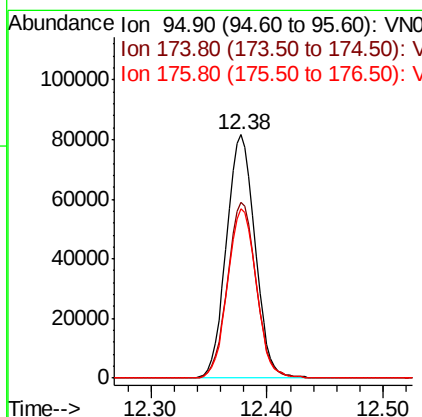
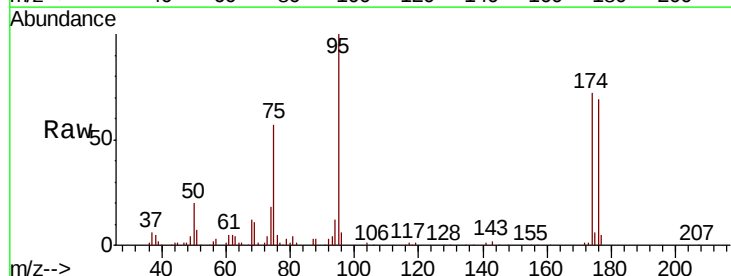
Instrument :
MSVOA_N
ClientSampled :
TP-8

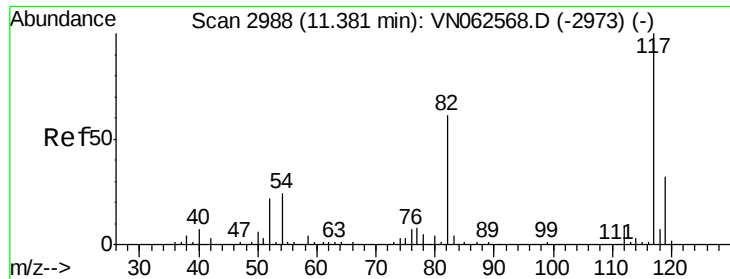
Tot Ion: 43 Resp: 46333
Ion Ratio Lower Upper
43 100
58 20.3 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 51.685 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062717.D
Acq: 1 Aug 2020 4:48

Tgt Ion: 95 Resp: 139223
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.6
176 69.7 0.0 139.4

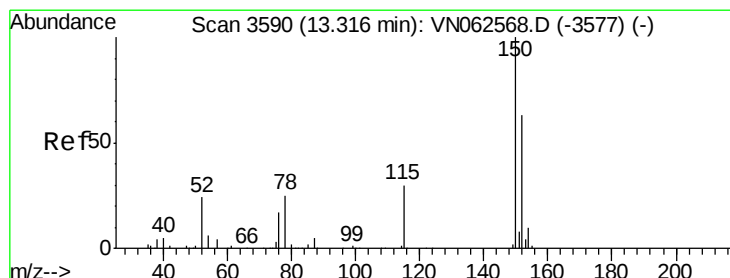
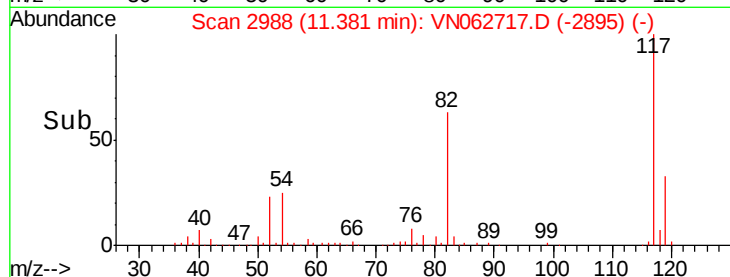
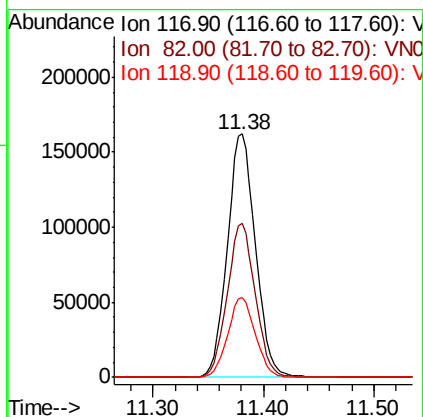
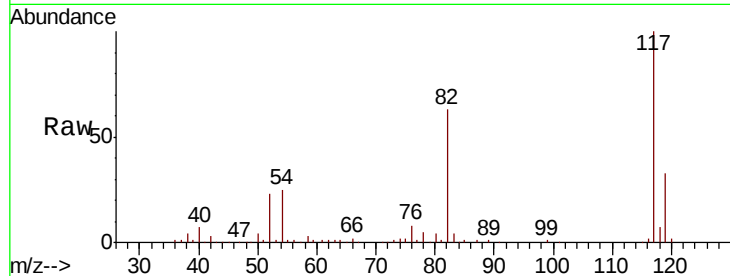




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062717.D
Acq: 1 Aug 2020 4:48

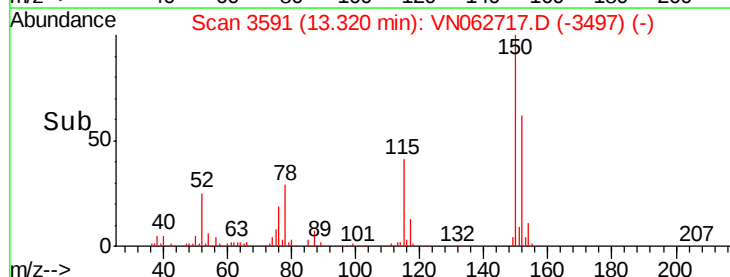
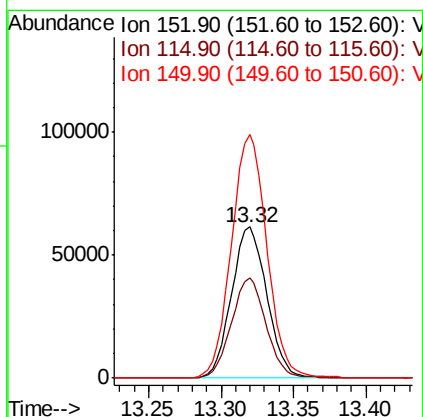
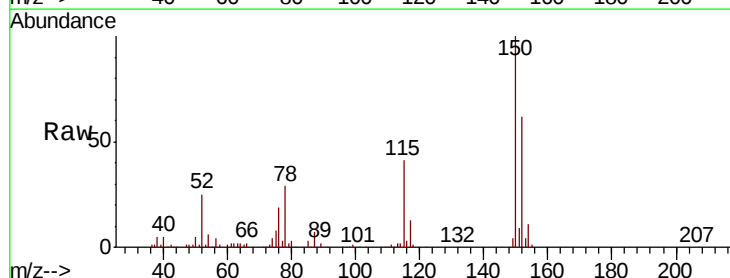
Instrument :
MSVOA_N
ClientSampleId :
TP-8

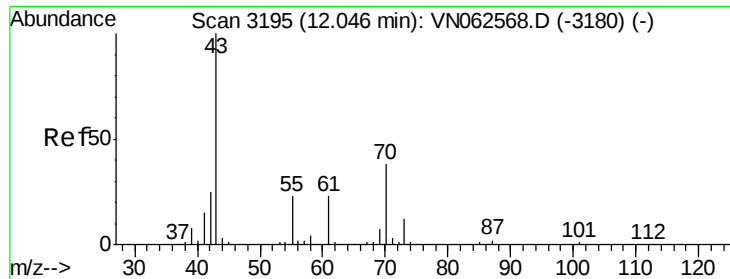
Tot Ion:117 Resp: 287073
Ion Ratio Lower Upper
117 100
82 63.4 49.0 73.6
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062717.D
Acq: 1 Aug 2020 4:48

Tgt Ion:152 Resp: 104481
Ion Ratio Lower Upper
152 100
115 64.9 31.8 95.4
150 161.2 0.0 351.4





#74

N-amvl acetate

Concen: 0.648 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062717.D

Acq: 1 Aug 2020 4:48

Instrument :

MSVOA_N

ClientSampleId :

TP-8

Tot Ion: 43 Resp: 2389

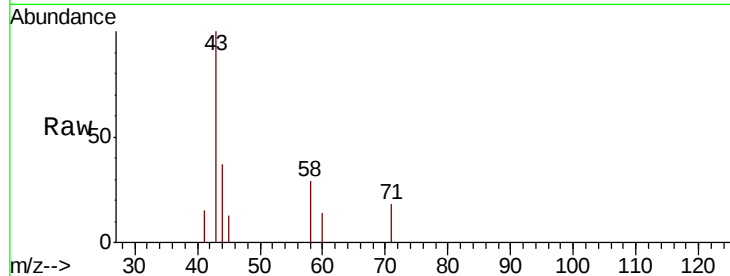
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

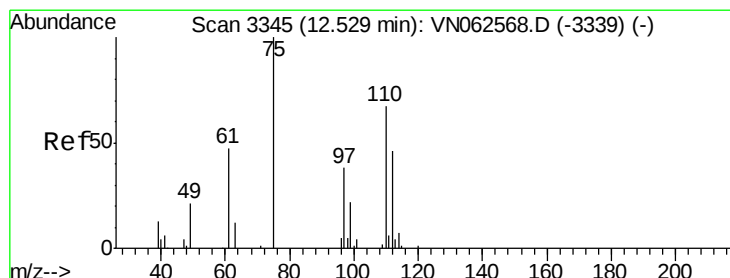
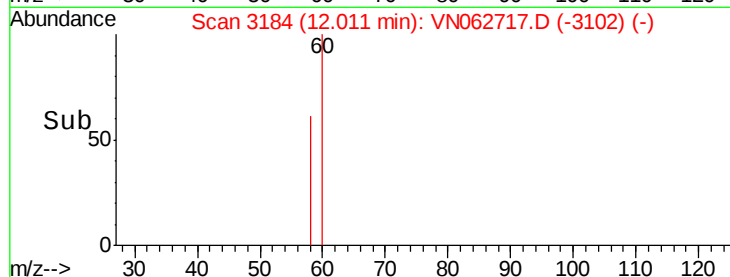
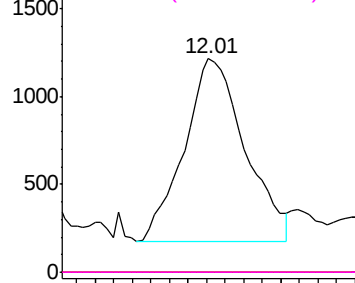


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 29.315 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062717.D

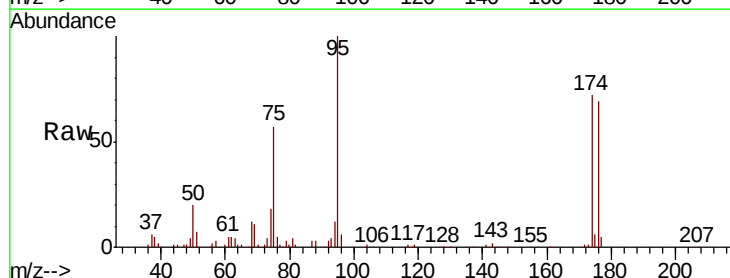
Acq: 1 Aug 2020 4:48

Tgt Ion: 75 Resp: 77961

Ion Ratio Lower Upper

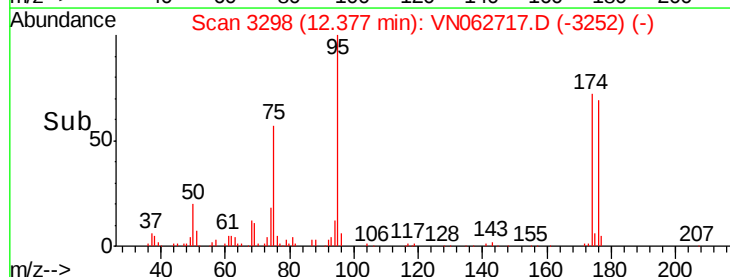
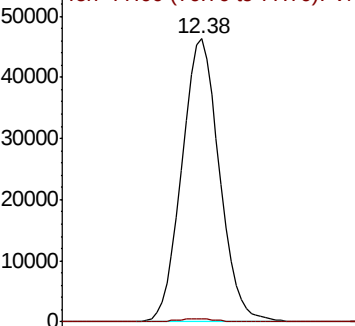
75 100

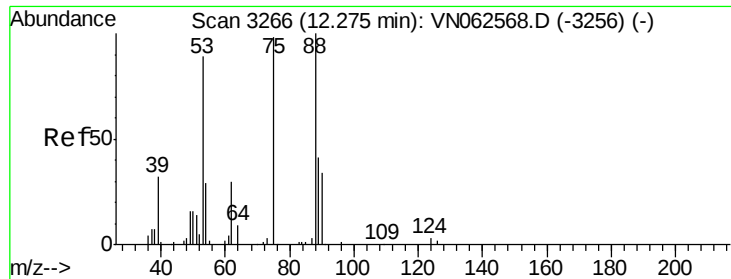
77 1.0 0.0 0.0#



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: 81.606 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062717.D

Acq: 1 Aug 2020 4:48

Instrument :

MSVOA_N

ClientSampleId :

TP-8

Tot Ion: 75 Resp: 77961

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

