

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062709.D
 Acq On : 1 Aug 2020 1:34
 Operator : JC/MD
 Sample : L3518-31
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Aug 01 06:12:58 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	138778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	242255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	119526	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
35) Dibromofluoromethane	7.55	113	84706	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	10.06	98	317596	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.38	95	118839	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

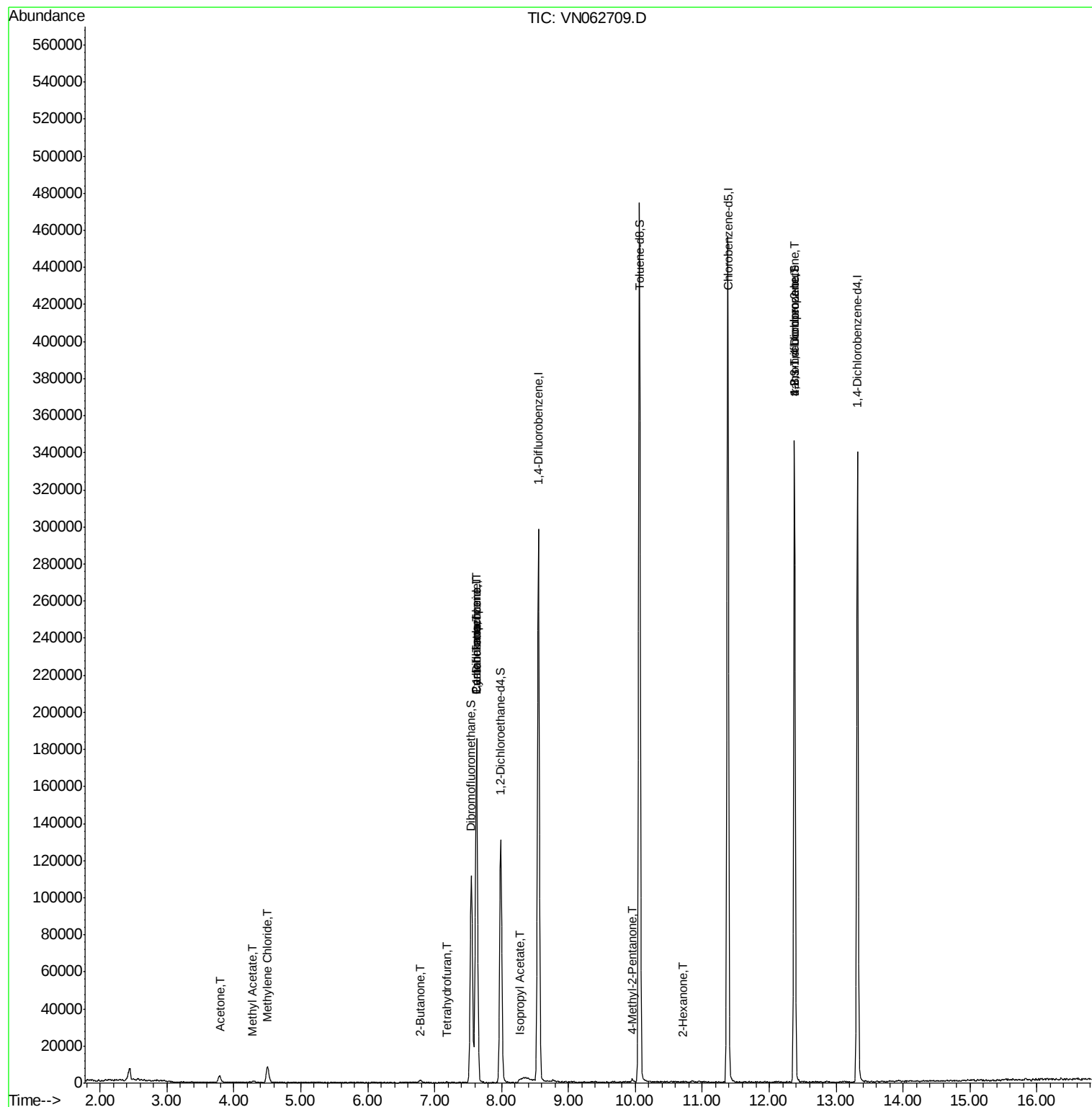
					Qvalue	
16) Acetone	3.79	43	6950	8.567	ug/l	92
18) Methyl Acetate	4.28	43	951	0.463	ug/l #	56
20) Methylene Chloride	4.50	84	6196	3.184	ug/l #	86
25) 2-Butanone	6.80	43	759	0.614	ug/l #	52
29) Tetrahydrofuran	7.17	42	434	0.519	ug/l #	38
31) Cyclohexane	7.63	56	3452	1.087	ug/l #	9
36) 1,1-Dichloropropene	7.62	75	12505	4.843	ug/l #	51
38) Carbon Tetrachloride	7.63	117	15045	6.062	ug/l #	17
43) Isopropyl Acetate	8.27	43	929	0.207	ug/l #	55
51) 4-Methyl-2-Pentanone	9.95	43	2137	0.796	ug/l #	64
59) 2-Hexanone	10.73	43	30	2.973	ug/l #	26
76) 1,2,3-Trichloropropane	12.38	75	66675	30.073	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66675	83.717	ug/l #	12

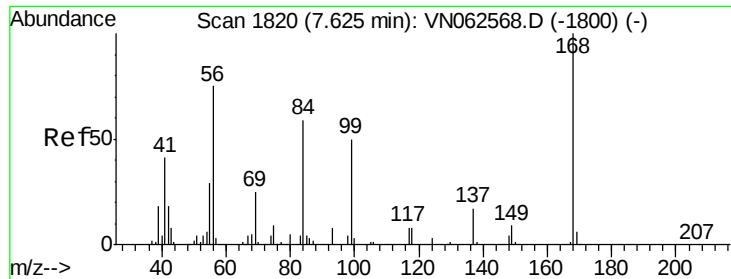
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062709.D

Acq: 1 Aug 2020 1:34

Instrument :

MSVOA_N

ClientSampled :

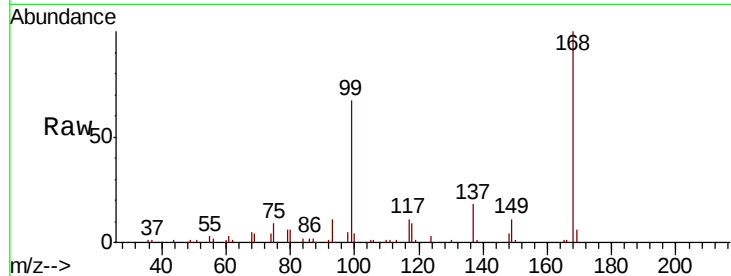
TP-10

Tot Ion:168 Resp: 138778

Ion Ratio Lower Upper

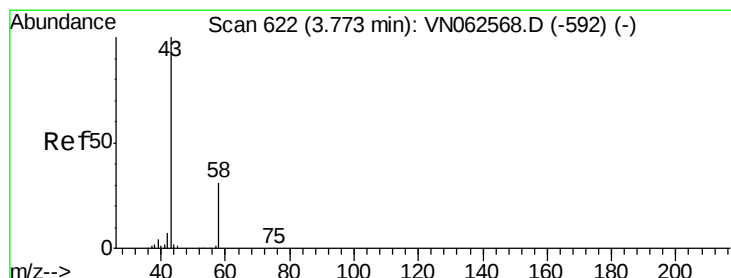
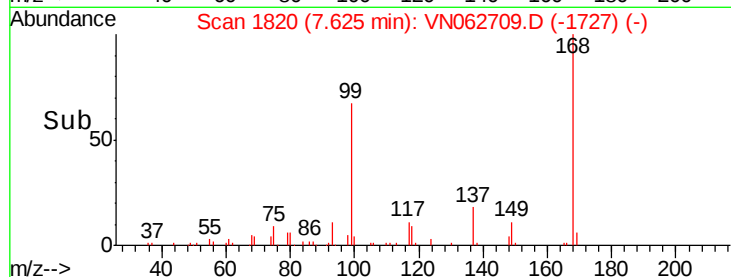
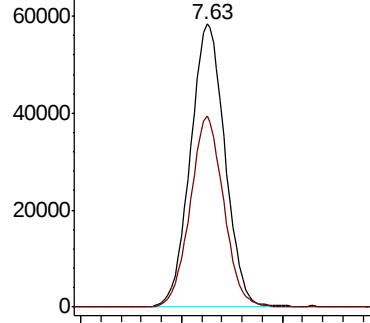
168 100

99 67.4 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: 8.567 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.02 min

Lab File: VN062709.D

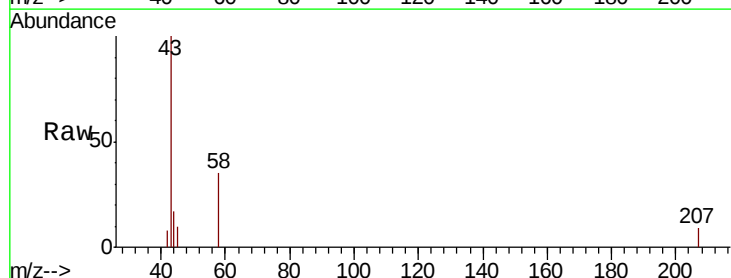
Acq: 1 Aug 2020 1:34

Tgt Ion: 43 Resp: 6950

Ion Ratio Lower Upper

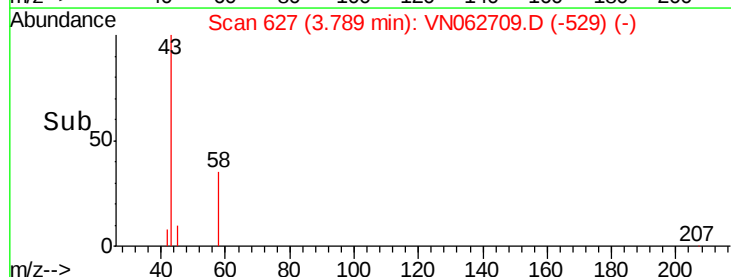
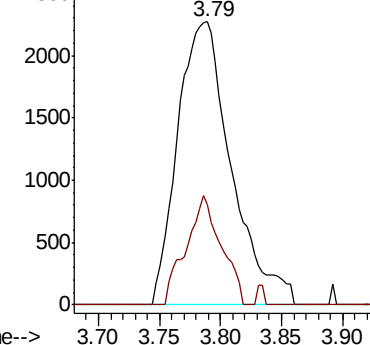
43 100

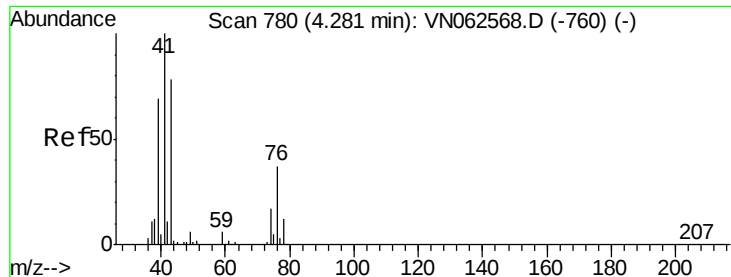
58 35.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

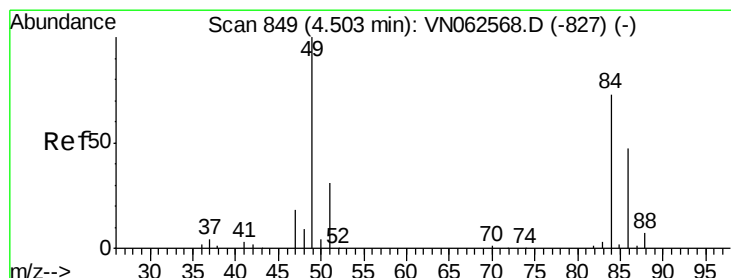
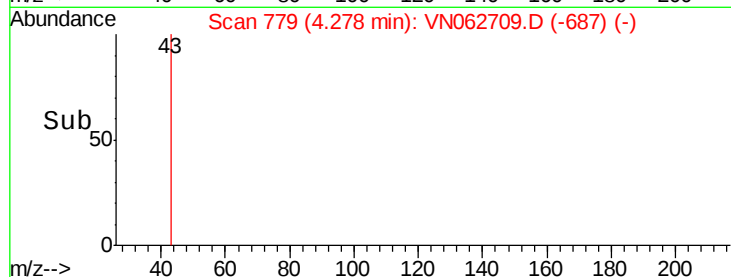
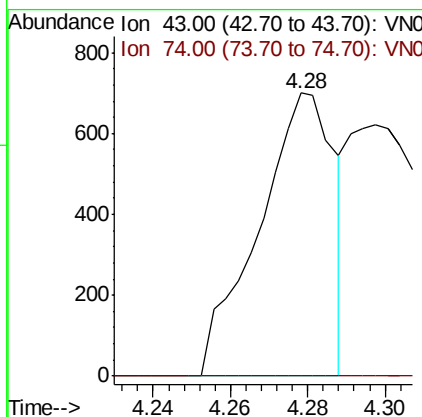
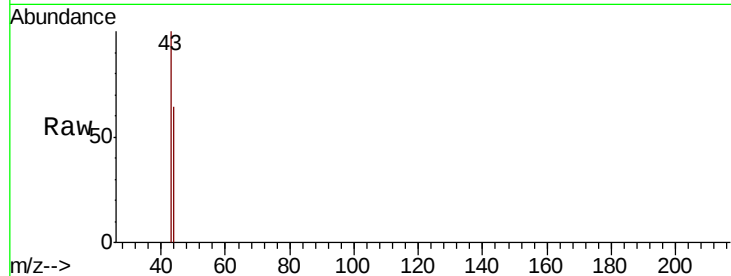




#18
Methyl Acetate
Concen: 0.463 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062709.D
Acq: 1 Aug 2020 1:34

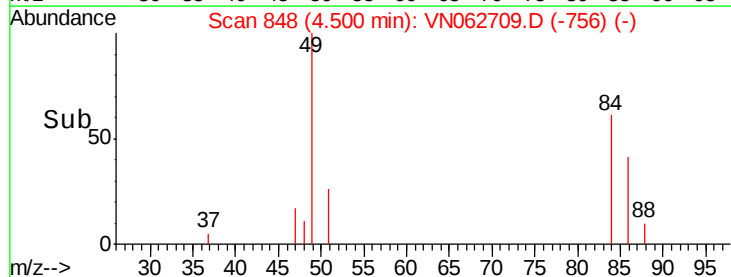
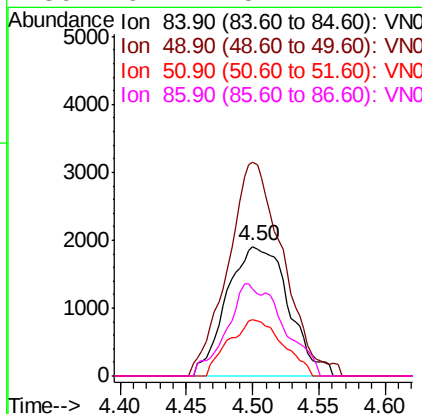
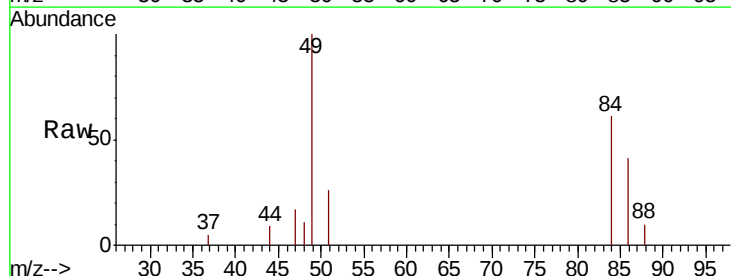
Instrument :
MSVOA_N
ClientSampled :
TP-10

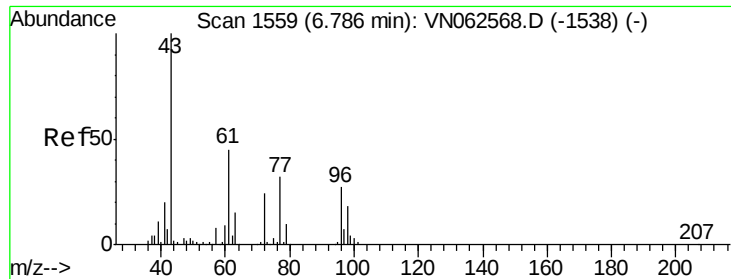
Tot Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 3.184 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062709.D
Acq: 1 Aug 2020 1:34

Tgt Ion: 84 Resp: 6196
Ion Ratio Lower Upper
84 100
49 164.7 109.4 164.0#
51 43.3 33.6 50.4
86 67.1 51.4 77.2





#25

2-Butanone

Concen: 0.614 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN062709.D

Acq: 1 Aug 2020 1:34

Instrument :

MSVOA_N

ClientSampled :

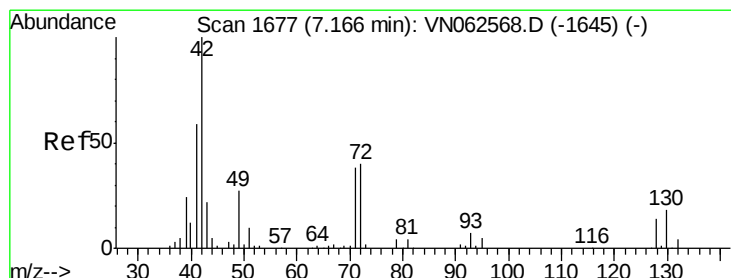
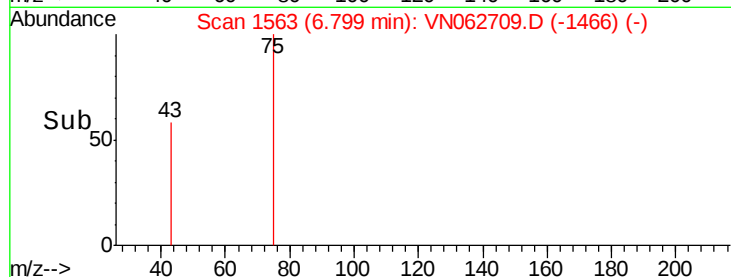
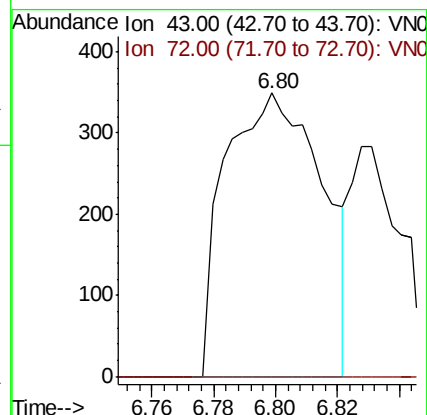
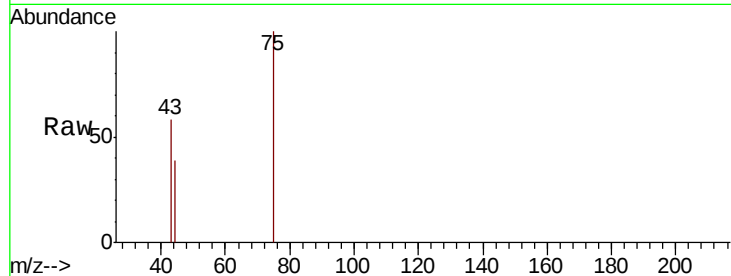
TP-10

Tot Ion: 43 Resp: 759

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.6#



#29

Tetrahydrofuran

Concen: 0.519 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.01 min

Lab File: VN062709.D

Acq: 1 Aug 2020 1:34

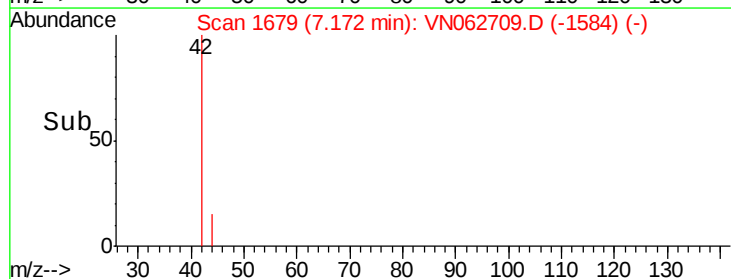
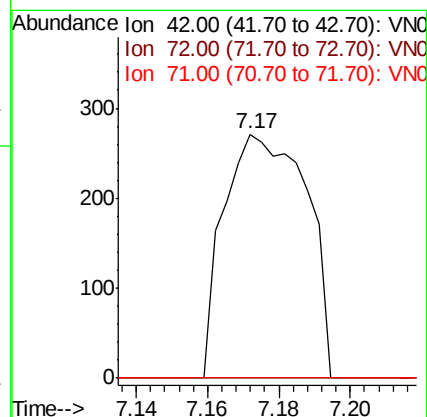
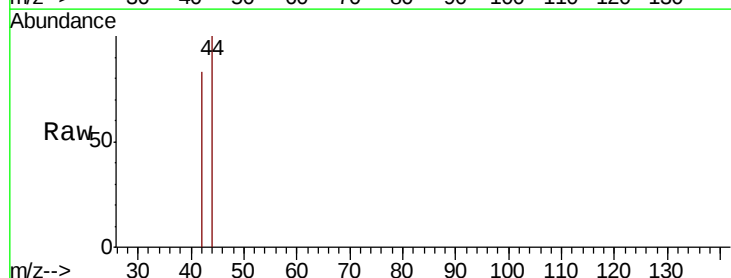
Tgt Ion: 42 Resp: 434

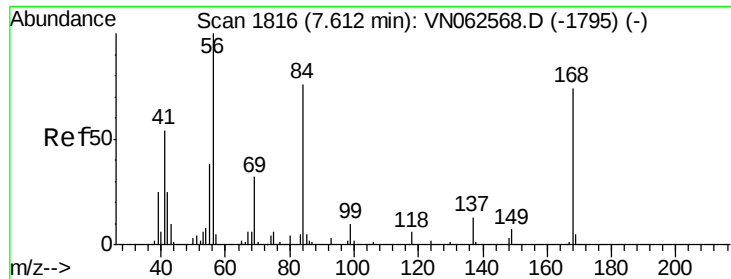
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 29.1 43.7#

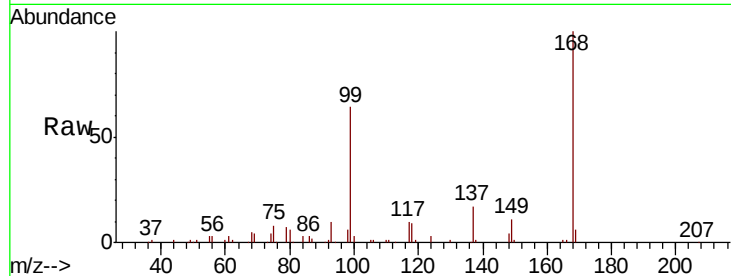




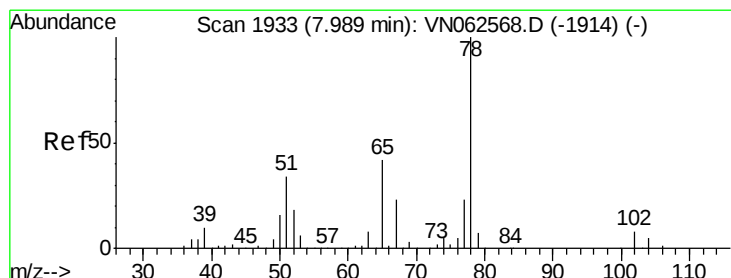
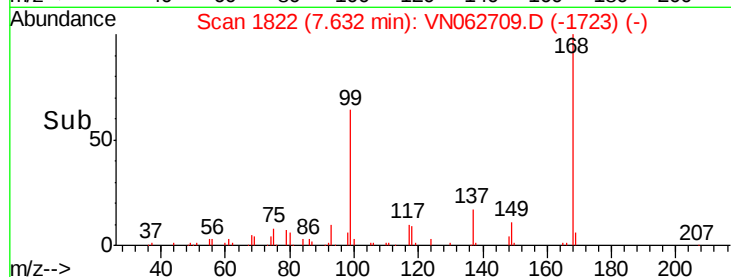
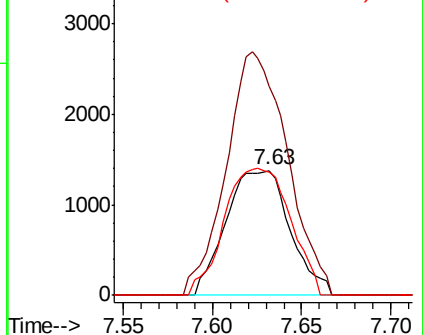
#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.02 min
Lab File: VN062709.D
Acq: 1 Aug 2020 1:34

Instrument :
MSVOA_N
ClientSampled :
TP-10

Tot Ion: 56 Resp: 3452
Ion Ratio Lower Upper
56 100
69 167.3 25.3 37.9#
84 99.0 61.0 91.4#

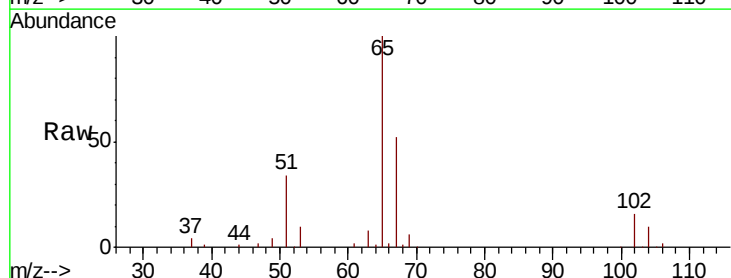


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

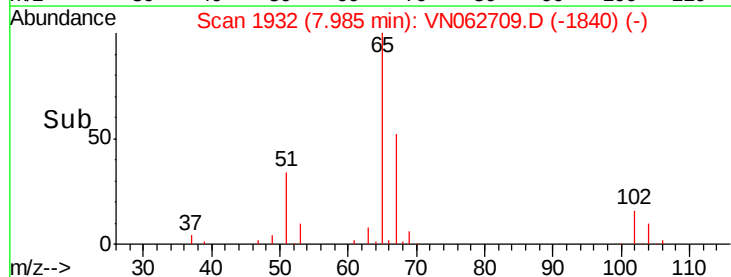
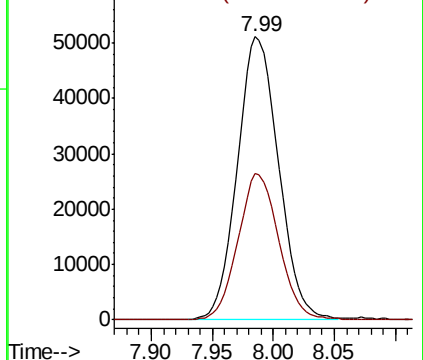


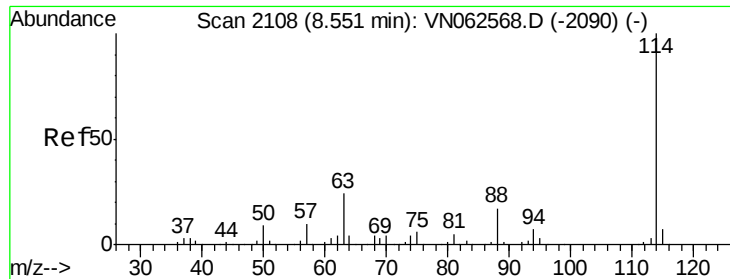
#33
1,2-Dichloroethane-d4
Concen: 55.443 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062709.D
Acq: 1 Aug 2020 1:34

Tgt Ion: 65 Resp: 119526
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.0



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

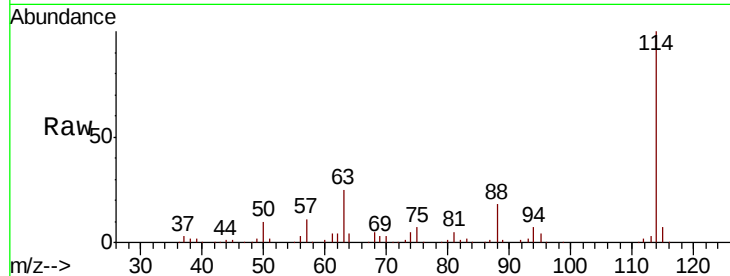




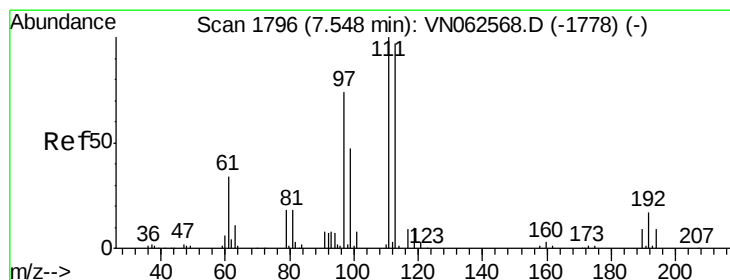
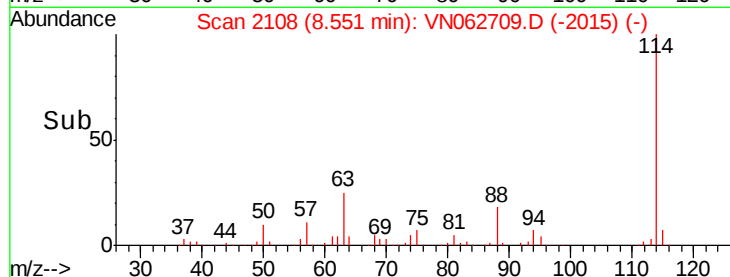
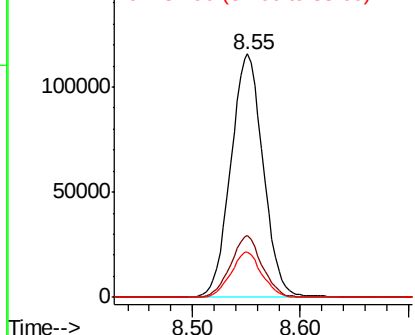
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062709.D
 Acq: 1 Aug 2020 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.3	0.0	48.4
88	18.5	0.0	33.8

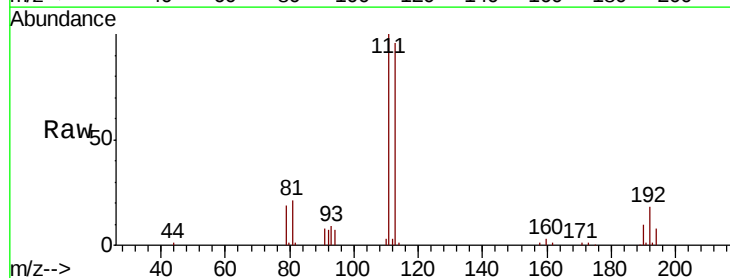


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

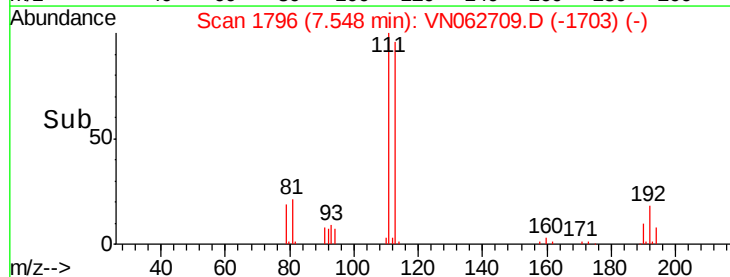
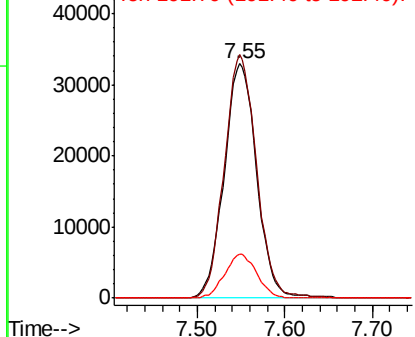


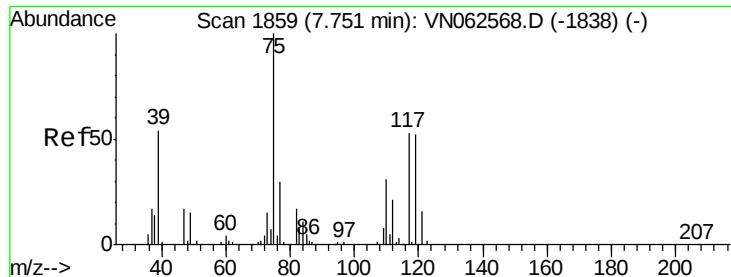
#35
 Dibromofluoromethane
 Concen: 53.232 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062709.D
 Acq: 1 Aug 2020 1:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	18.5	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

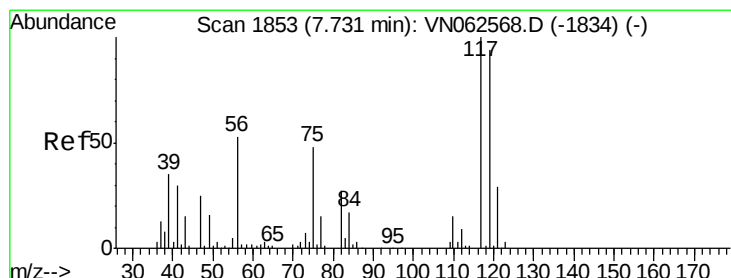
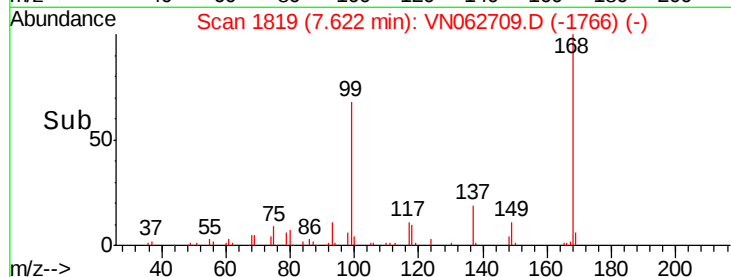
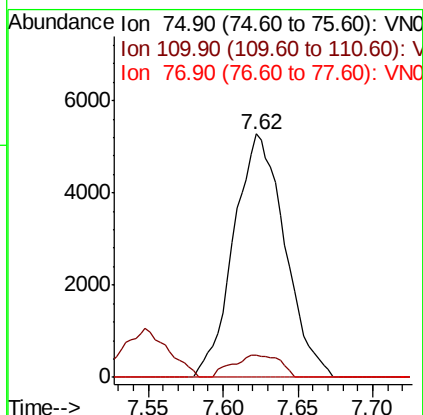
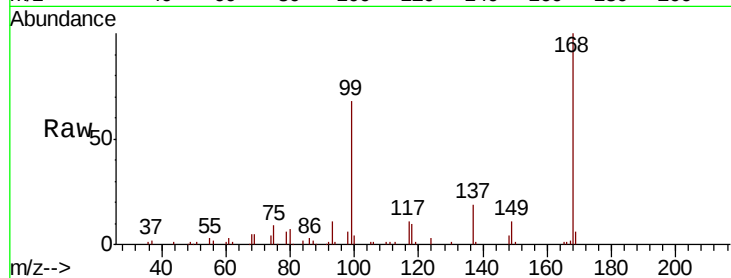




#36
 1,1-Dichloropropene
 Concen: 4.843 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062709.D
 Acq: 1 Aug 2020 1:34

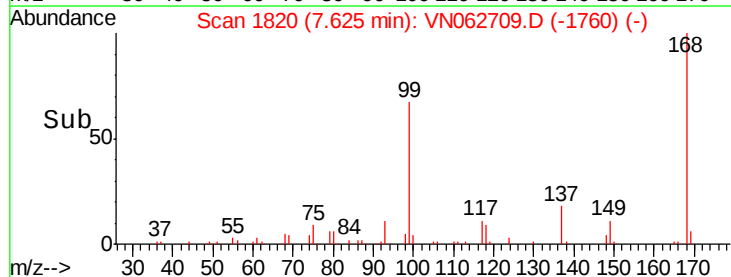
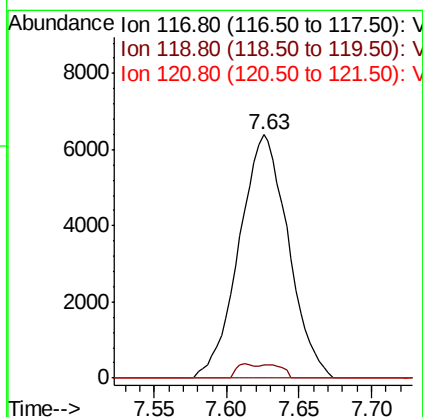
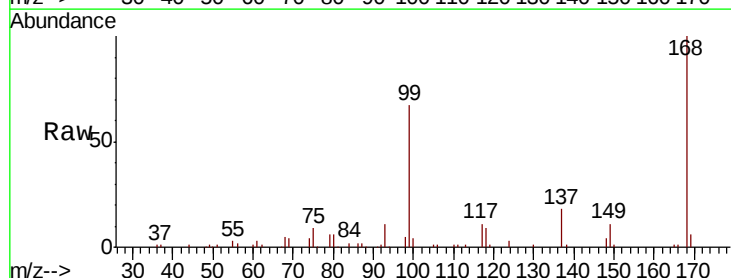
Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

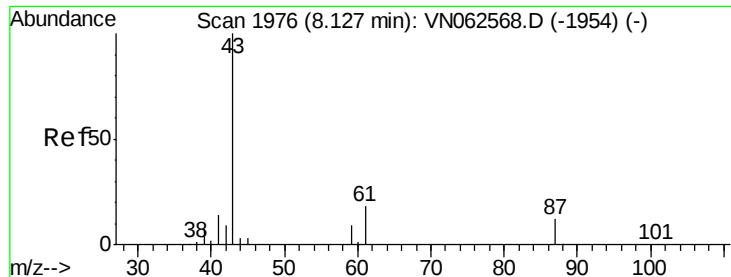
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.062 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062709.D
 Acq: 1 Aug 2020 1:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 0.207 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.14 min

Lab File: VN062709.D

Acq: 1 Aug 2020 1:34

Instrument :

MSVOA_N

ClientSampled :

TP-10

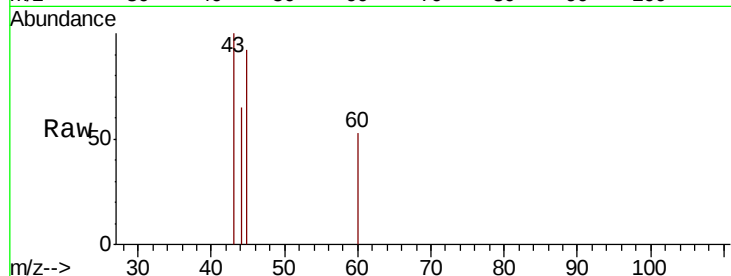
Tot Ion: 43 Resp: 929

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

87 0.0 9.2 13.8#

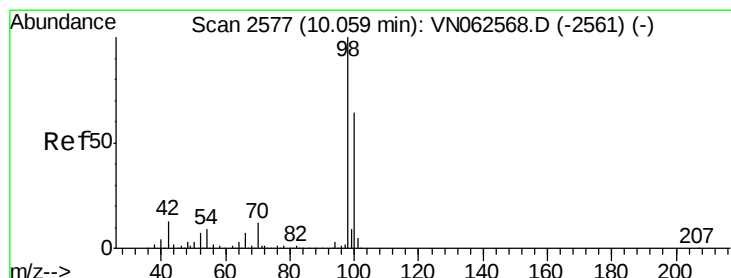
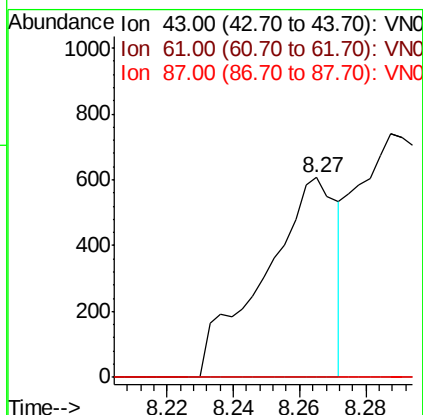
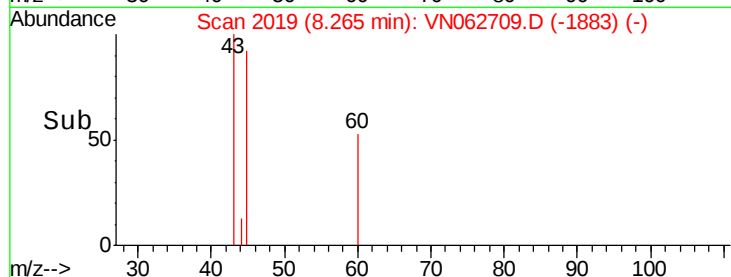


Abundance Ion 43.00 (42.70 to 43.70): VN062709.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062709.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062709.D (-1883) (-)

Time-->



#50

Toluene-d8

Concen: 50.023 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062709.D

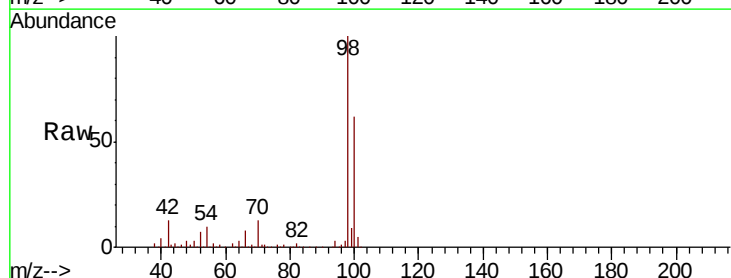
Acq: 1 Aug 2020 1:34

Tgt Ion: 98 Resp: 317596

Ion Ratio Lower Upper

98 100

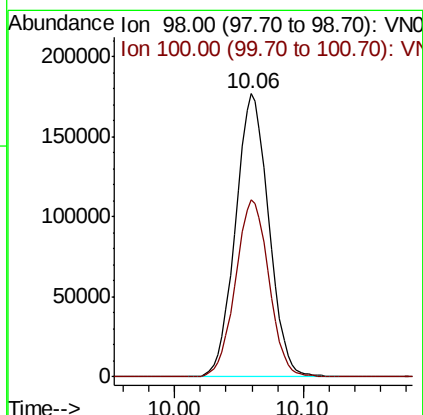
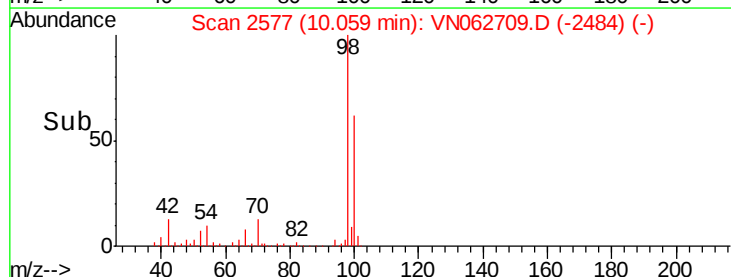
100 62.8 50.9 76.3

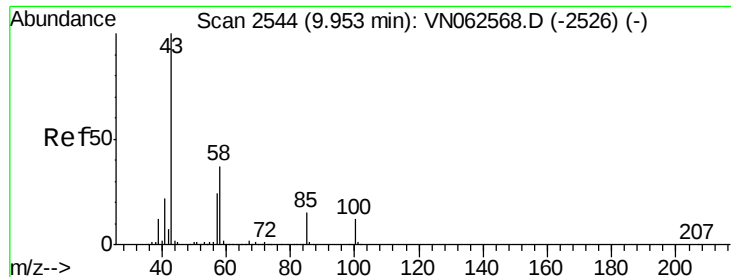


Abundance Ion 98.00 (97.70 to 98.70): VN062709.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN062709.D (-2484) (-)

Time-->

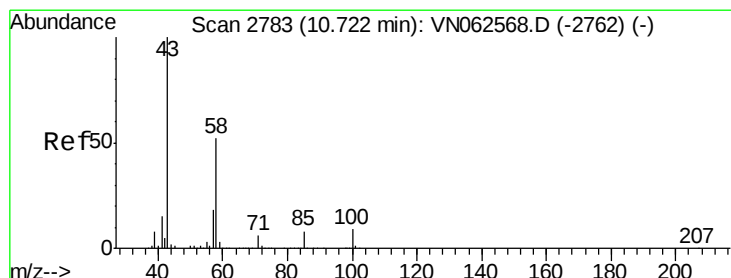
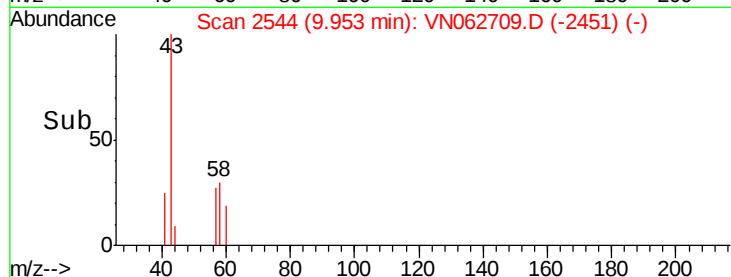
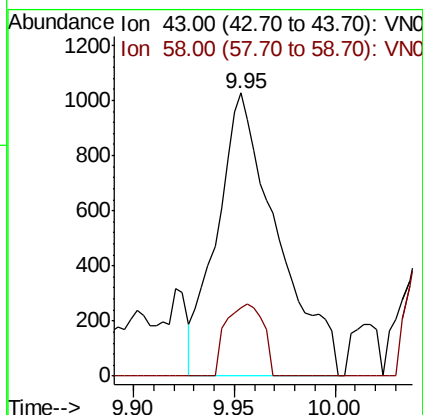
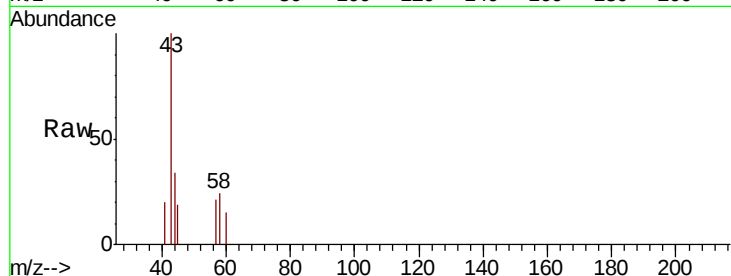




#51
 4-Methyl-2-Pentanone
 Concen: 0.796 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062709.D
 Acq: 1 Aug 2020 1:34

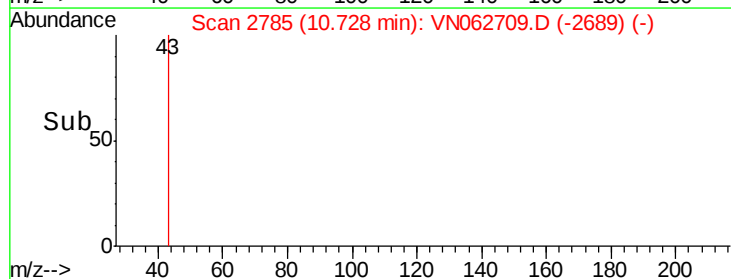
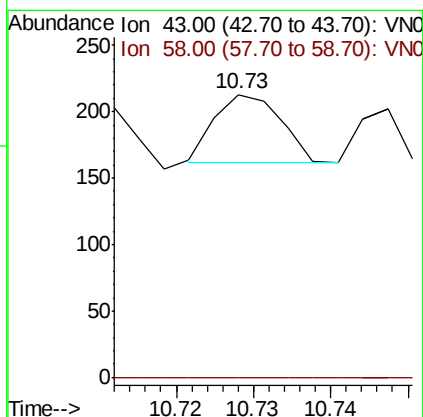
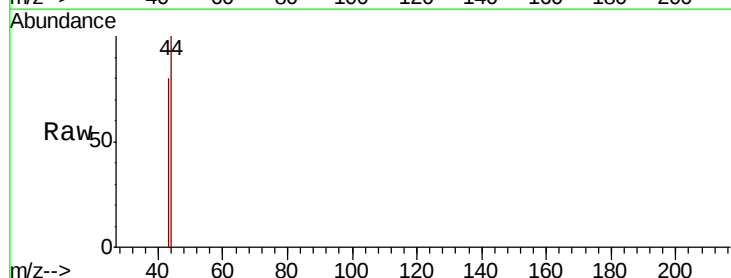
Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

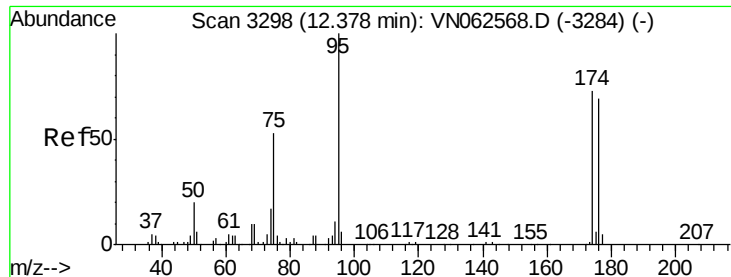
Tot Ion: 43 Resp: 2137
 Ion Ratio Lower Upper
 43 100
 58 15.9 29.8 44.6#



#59
 2-Hexanone
 Concen: 2.973 ug/l
 RT: 10.73 min Scan# 2785
 Delta R.T. 0.01 min
 Lab File: VN062709.D
 Acq: 1 Aug 2020 1:34

Tgt Ion: 43 Resp: 30
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.0 78.0#

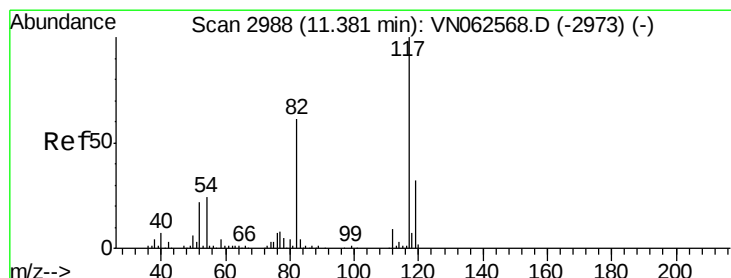
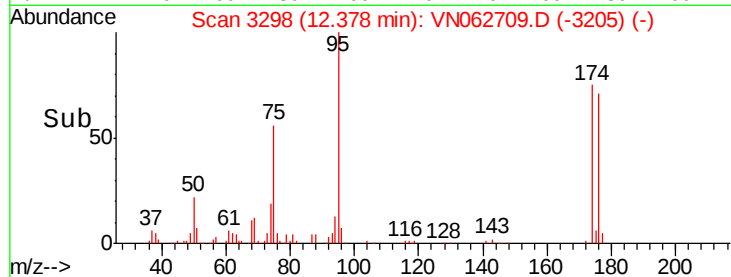
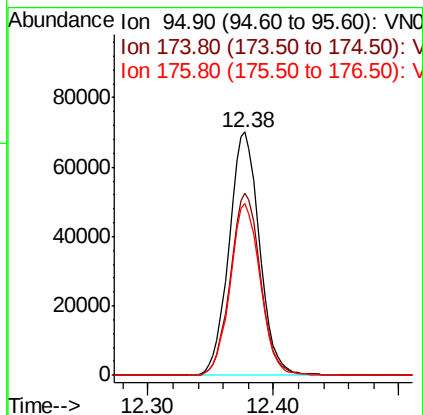
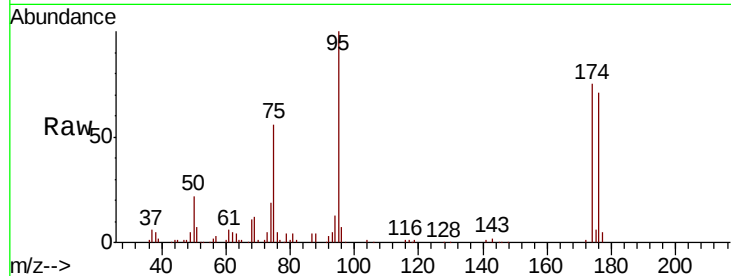




#62
 4-Bromofluorobenzene
 Concen: 51.191 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062709.D
 Acq: 1 Aug 2020 1:34

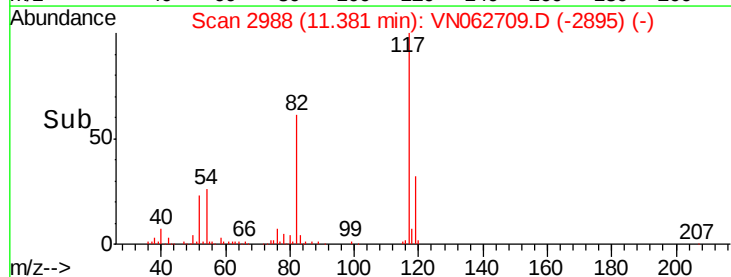
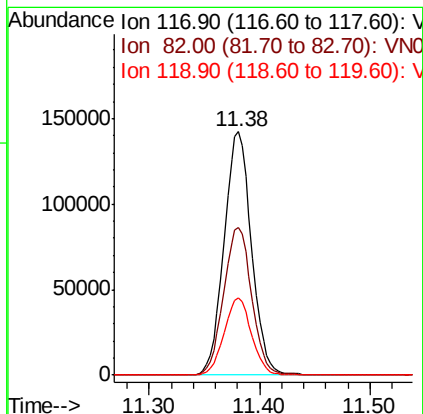
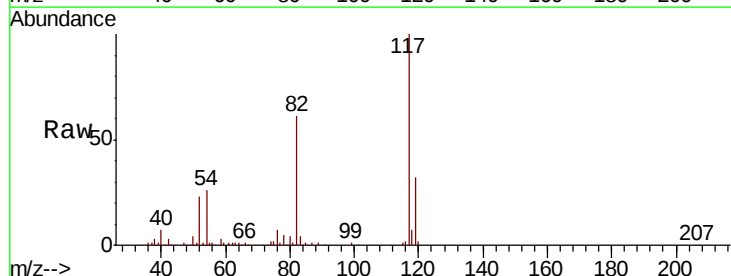
Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

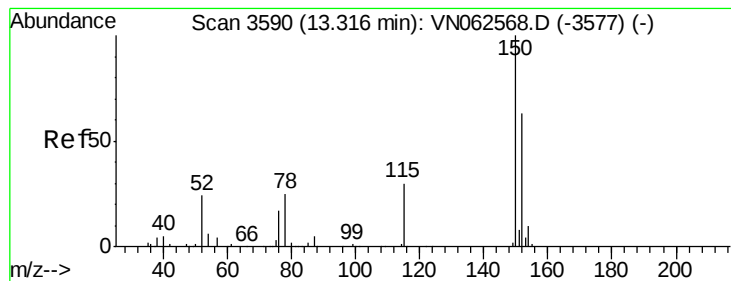
Tot Ion: 95 Resp: 118839
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 144.6
 176 69.7 0.0 139.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN062709.D
 Acq: 1 Aug 2020 1:34

Tgt Ion: 117 Resp: 245085
 Ion Ratio Lower Upper
 117 100
 82 60.6 49.0 73.6
 119 31.8 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: VN062709.D

Acq: 1 Aug 2020 1:34

Instrument :

MSVOA_N

ClientSampled :

TP-10

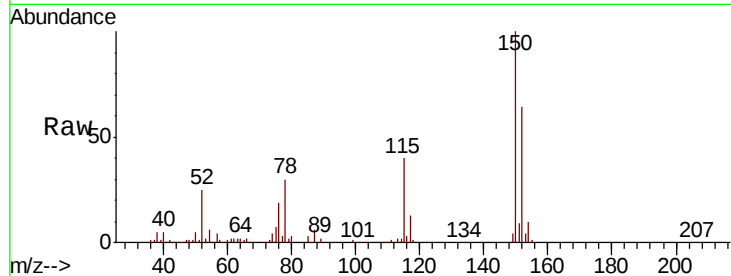
Tot Ion:152 Resp: 87103

Ion Ratio Lower Upper

152 100

115 62.9 31.8 95.4

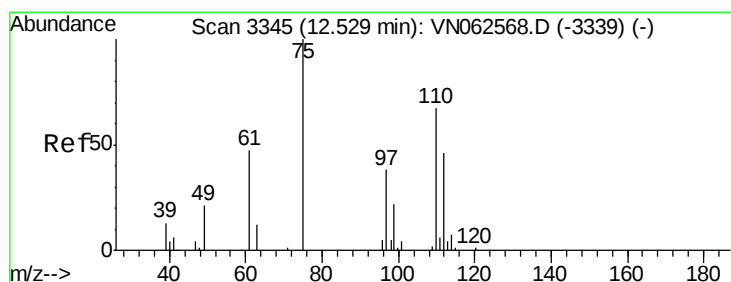
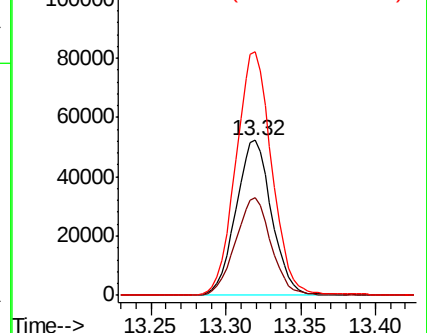
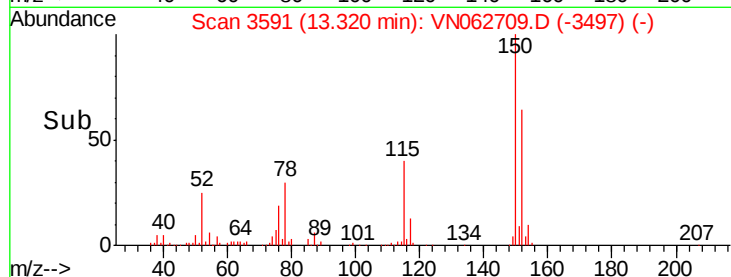
150 157.4 0.0 351.4



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: 30.073 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062709.D

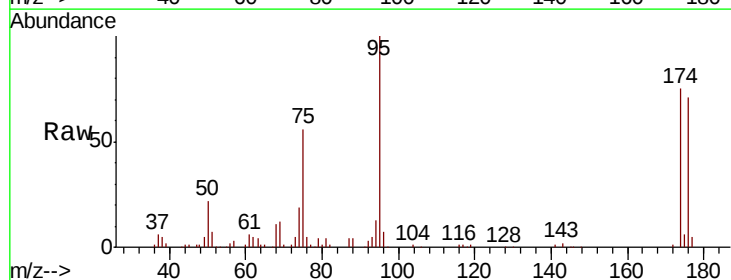
Acq: 1 Aug 2020 1:34

Tgt Ion: 75 Resp: 66675

Ion Ratio Lower Upper

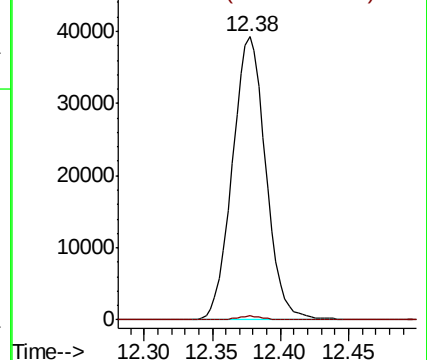
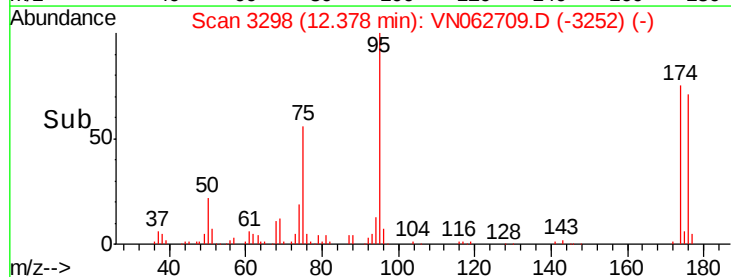
75 100

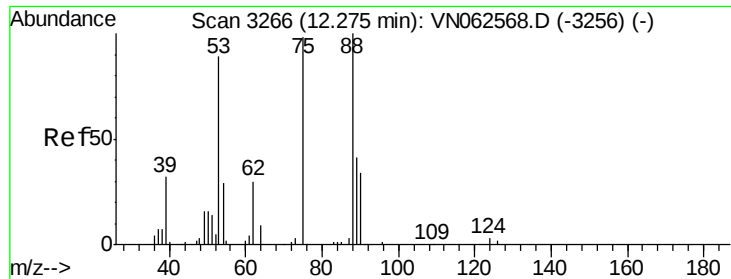
77 1.0 0.0 0.0#



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: 83.717 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062709.D

Acq: 1 Aug 2020 1:34

Instrument :

MSVOA_N

ClientSampleId :

TP-10

Tot Ion: 75 Resp: 66675

Ion Ratio Lower Upper

75 100

53 0.1 75.4 113.0#

89 0.0 34.5 51.7#

