

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062706.D
 Acq On : 1 Aug 2020 00:22
 Operator : JC/MD
 Sample : L3518-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Quant Time: Aug 01 06:12:15 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	137324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	244685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89466	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	119804	56.16	ug/l	0.00
Spiked Amount			Recovery	=	112.32%	
35) Dibromofluoromethane	7.55	113	84462	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	10.06	98	316557	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.38	95	117306	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

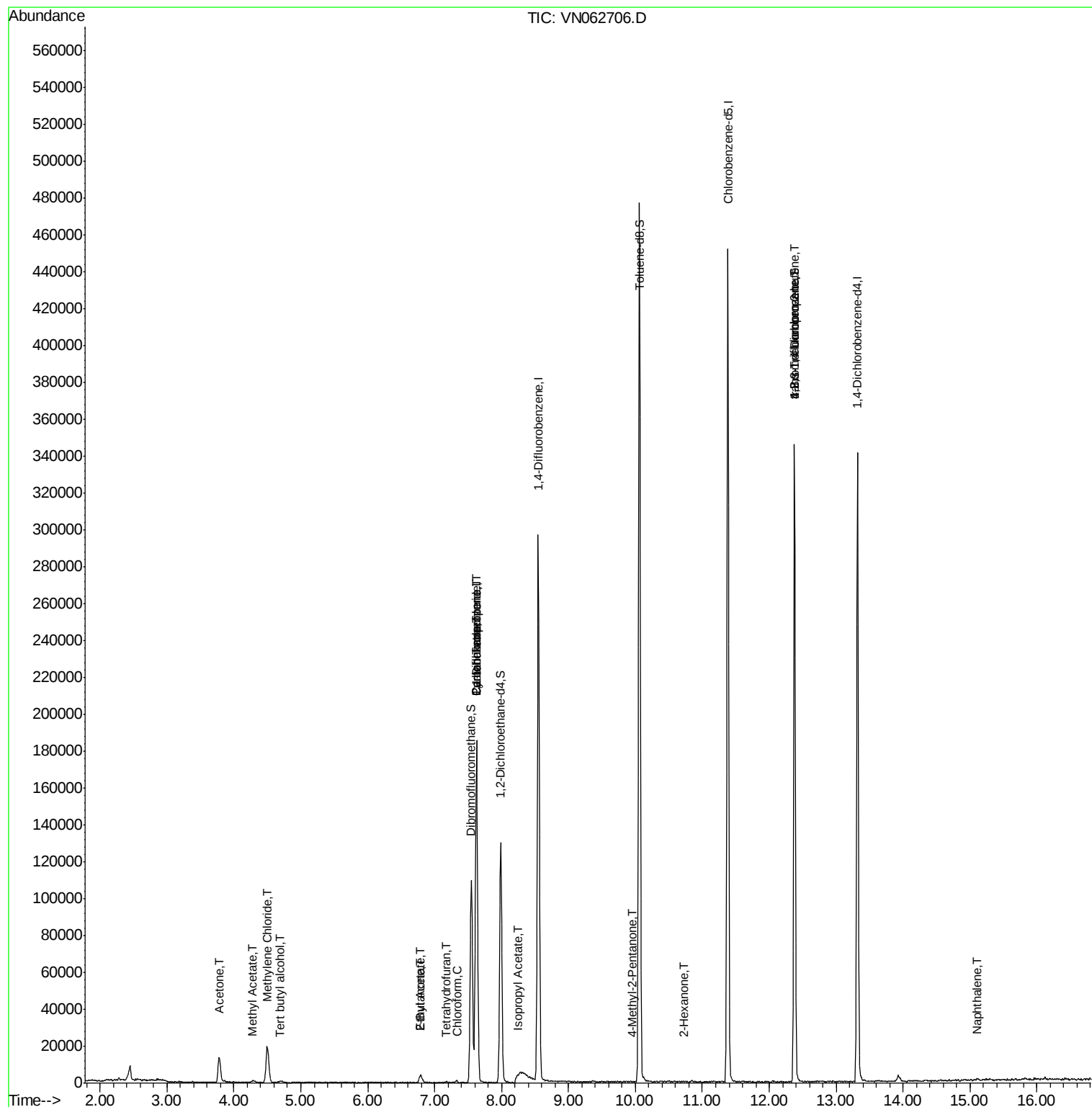
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	501	1.476	ug/l #	73
16) Acetone	3.78	43	24634	30.687	ug/l	90
18) Methyl Acetate	4.28	43	1389	0.683	ug/l #	73
20) Methylene Chloride	4.50	84	14815	7.695	ug/l	88
25) 2-Butanone	6.80	43	6026	4.929	ug/l	94
29) Tetrahydrofuran	7.17	42	231	0.279	ug/l #	49
30) Chloroform	7.32	83	1337	0.413	ug/l #	71
31) Cyclohexane	7.63	56	3687	1.173	ug/l #	26
36) 1,1-Dichloropropene	7.62	75	12078	4.631	ug/l #	53
37) Ethyl Acetate	6.80	43	6026	2.143	ug/l #	69
38) Carbon Tetrachloride	7.63	117	15312	6.108	ug/l #	18
43) Isopropyl Acetate	8.24	43	3413	0.753	ug/l #	55
51) 4-Methyl-2-Pentanone	9.96	43	554	0.204	ug/l #	38
59) 2-Hexanone	10.73	43	203	3.055	ug/l #	26
76) 1,2,3-Trichloropropane	12.38	75	66051	29.005	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66051	80.743	ug/l #	12
95) Naphthalene	15.10	128	1279	4.059	ug/l #	73

(#) = 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: VN062706.D

Acq: 1 Aug 2020 00:22

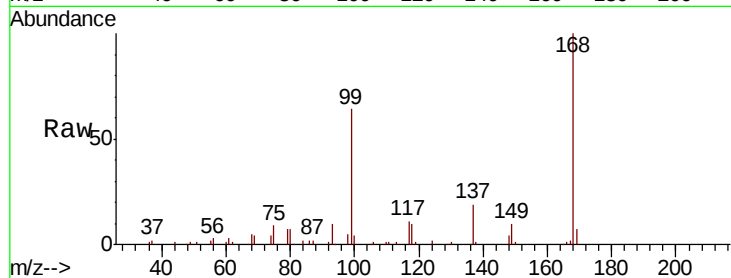
Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion:168 Resp: 137324

Ion Ratio Lower Upper

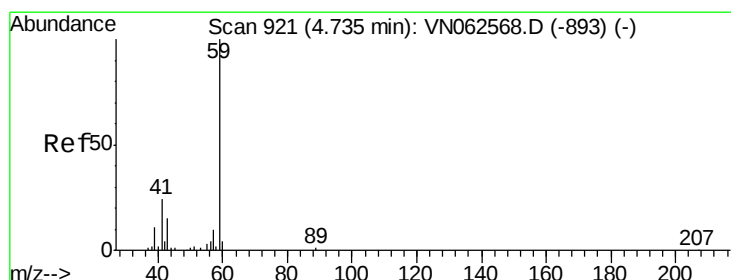
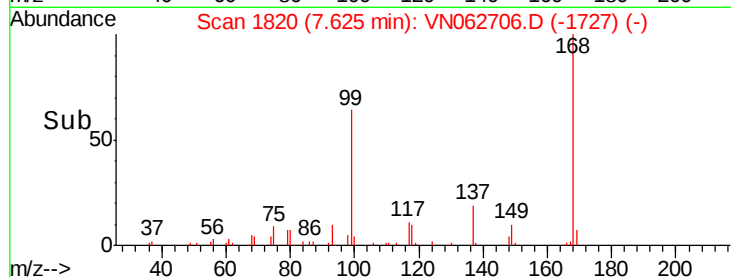
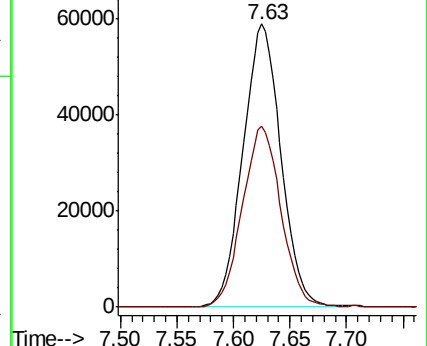
168 100

99 63.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 1.476 ug/l

RT: 4.69 min Scan# 908

Delta R.T. -0.04 min

Lab File: VN062706.D

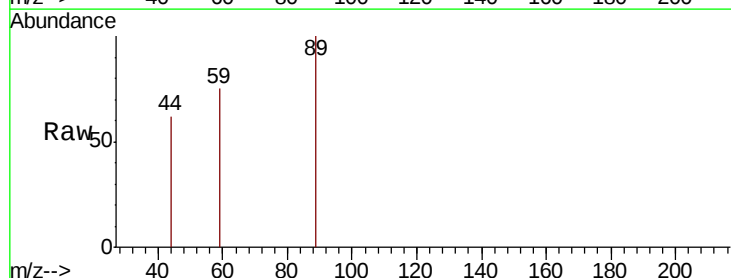
Acq: 1 Aug 2020 00:22

Tgt Ion: 59 Resp: 501

Ion Ratio Lower Upper

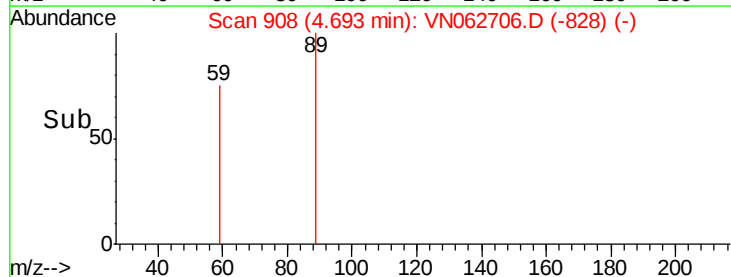
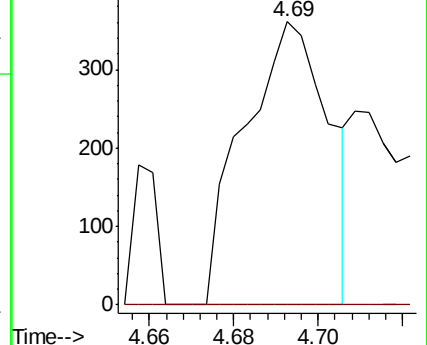
59 100

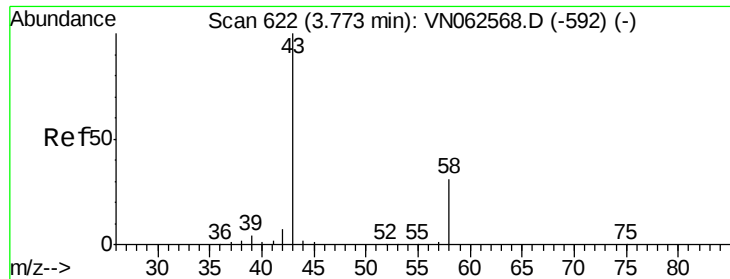
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 30.687 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062706.D

Acq: 1 Aug 2020 00:22

Instrument :

MSVOA_N

ClientSampled :

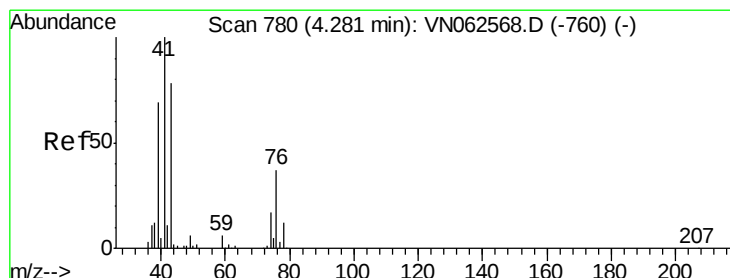
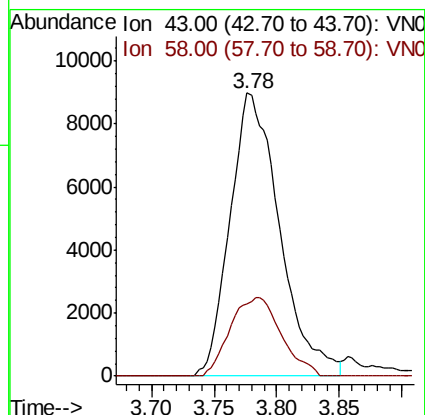
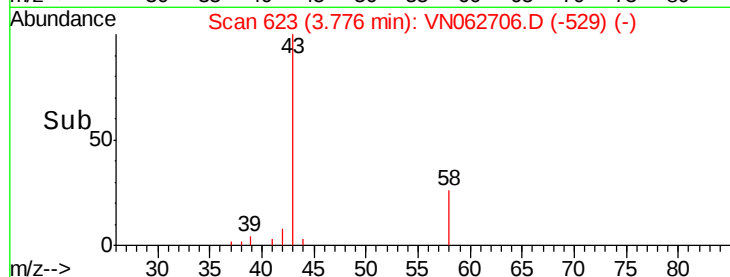
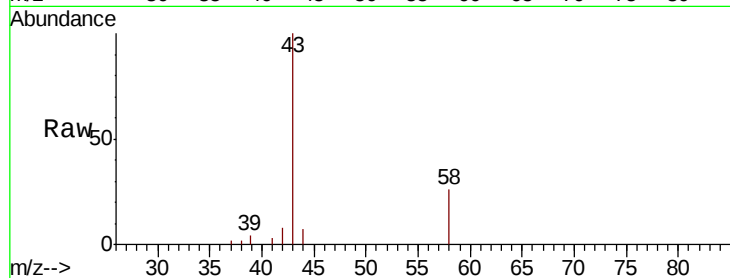
TP-7

Tot Ion: 43 Resp: 24634

Ion Ratio Lower Upper

43 100

58 25.6 24.6 37.0



#18

Methyl Acetate

Concen: 0.683 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN062706.D

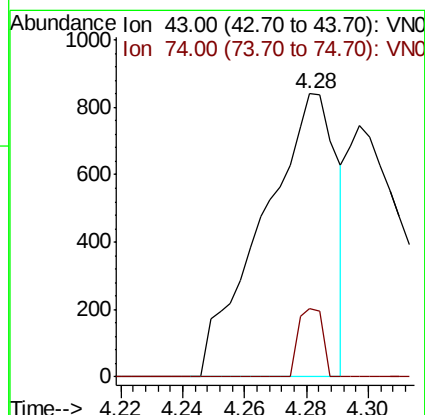
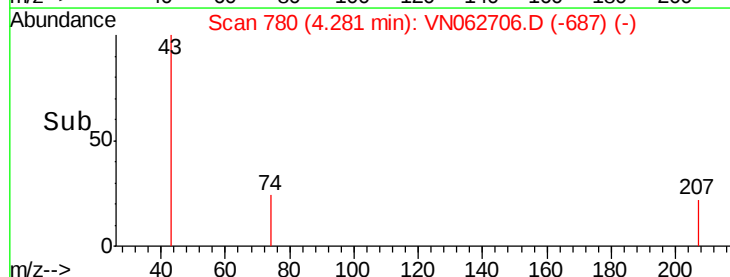
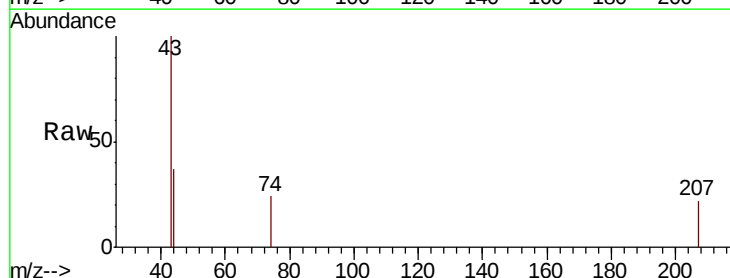
Acq: 1 Aug 2020 00:22

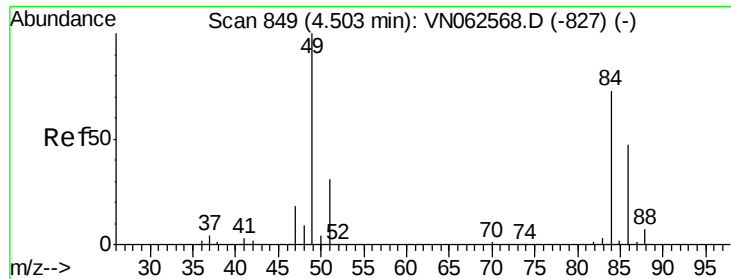
Tgt Ion: 43 Resp: 1389

Ion Ratio Lower Upper

43 100

74 8.0 16.6 24.8#

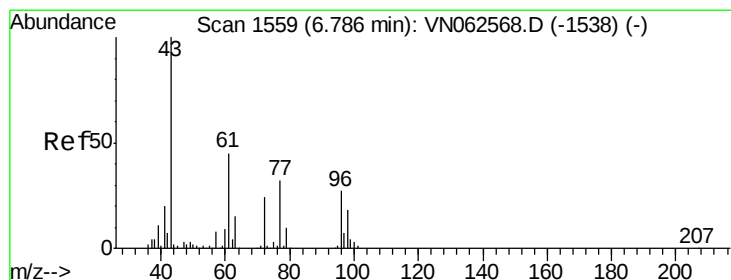
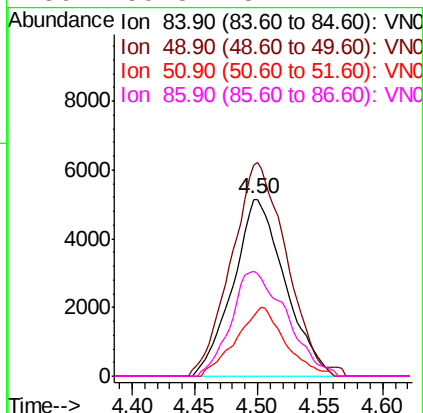
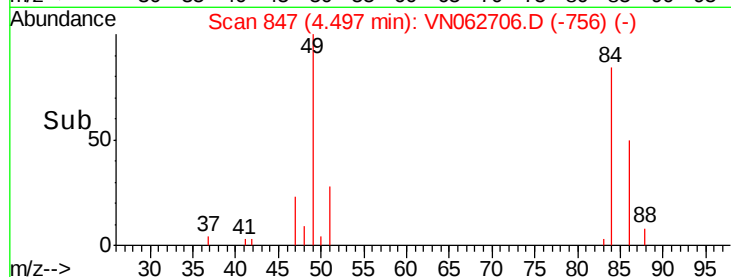
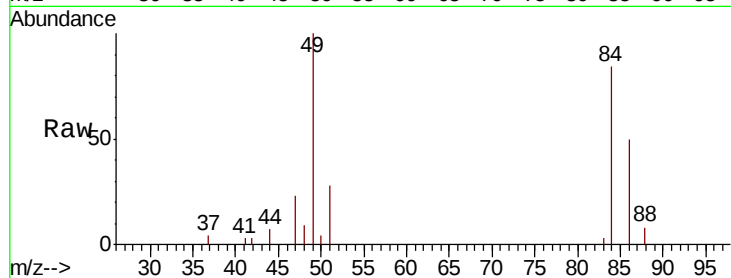




#20
Methvlene Chloride
Concen: 7.695 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062706.D
Acq: 1 Aug 2020 00:22

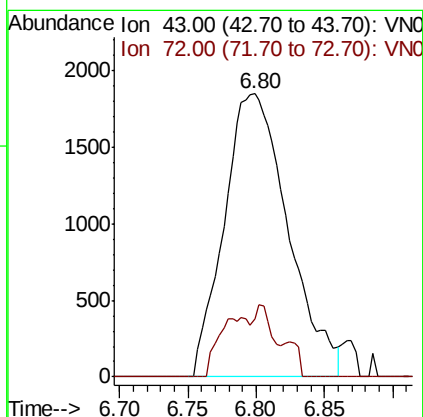
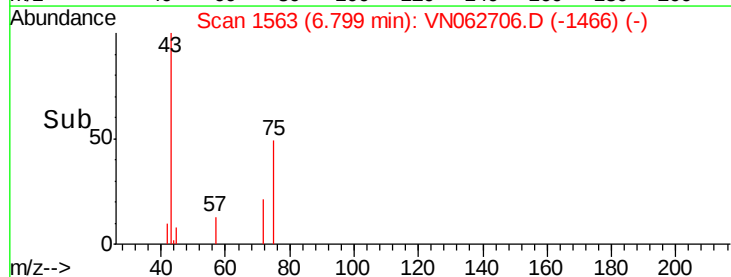
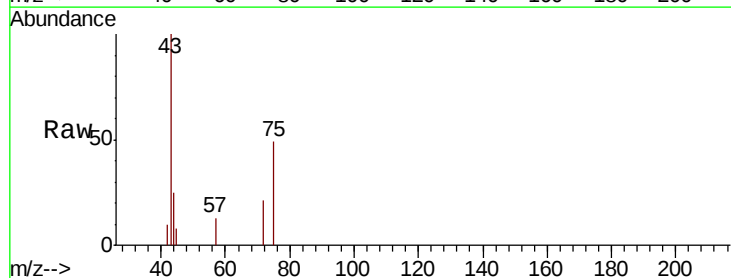
Instrument :
MSVOA_N
ClientSampled :
TP-7

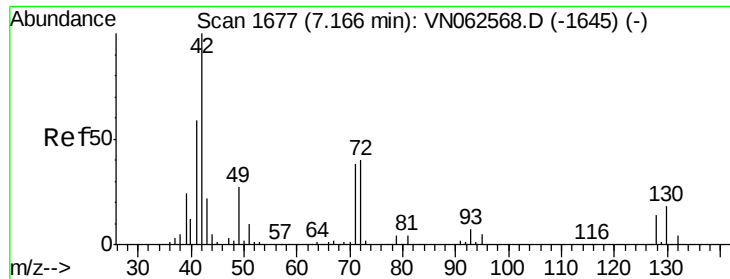
Tot Ion:	84	Resp:	14815
Ion	Ratio	Lower	Upper
84	100		
49	119.5	109.4	164.0
51	33.8	33.6	50.4
86	59.3	51.4	77.2



#25
2-Butanone
Concen: 4.929 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062706.D
Acq: 1 Aug 2020 00:22

Tgt Ion:	43	Resp:	6026
Ion	Ratio	Lower	Upper
43	100		
72	20.7	19.0	28.6

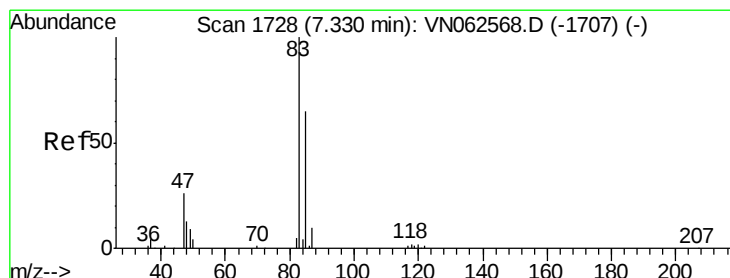
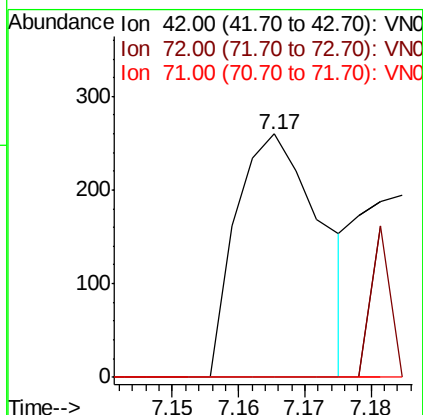
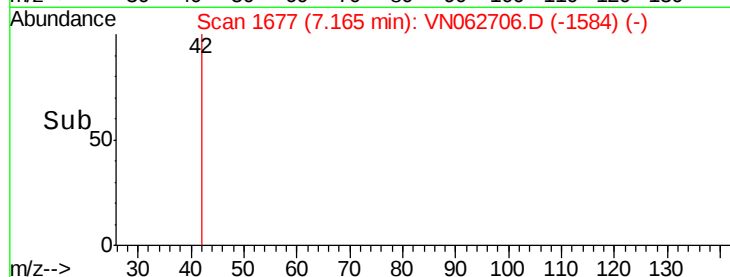
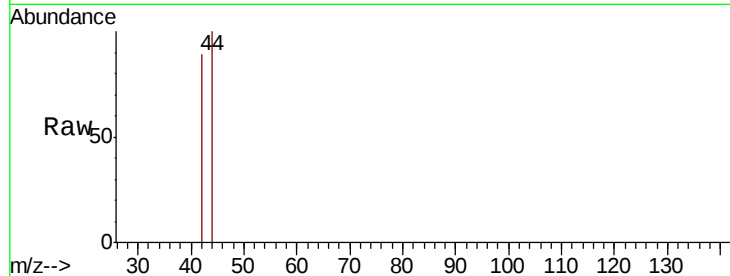




#29
Tetrahydrofuran
Concen: 0.279 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062706.D
Acq: 1 Aug 2020 00:22

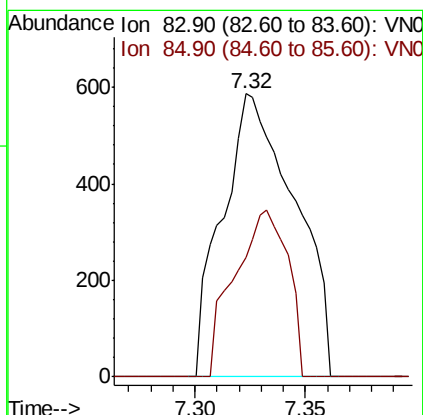
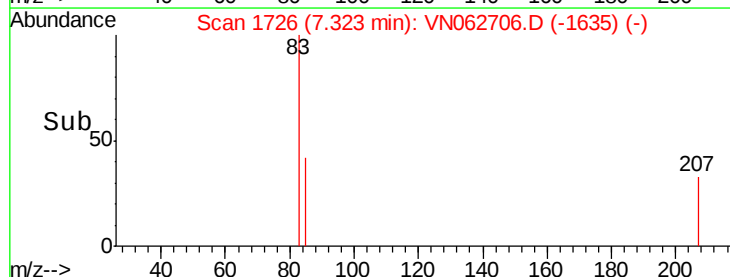
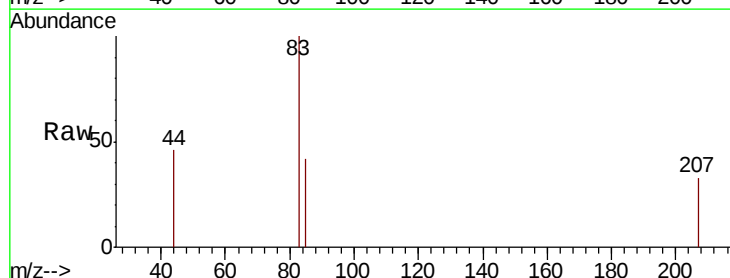
Instrument :
MSVOA_N
ClientSampled :
TP-7

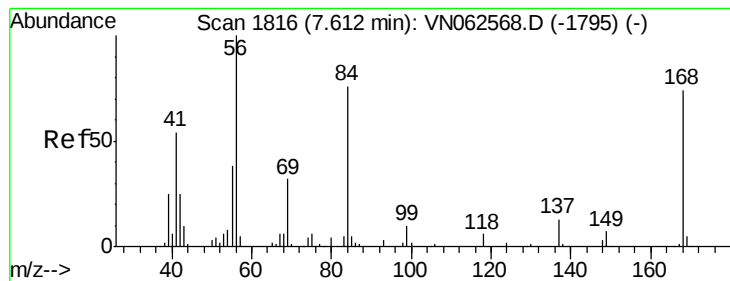
Tot Ion: 42 Resp: 231
Ion Ratio Lower Upper
42 100
72 13.4 30.7 46.1#
71 0.0 29.1 43.7#



#30
Chloroform
Concen: 0.413 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN062706.D
Acq: 1 Aug 2020 00:22

Tgt Ion: 83 Resp: 1337
Ion Ratio Lower Upper
83 100
85 42.2 52.0 78.0#





#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062706.D

Acq: 1 Aug 2020 00:22

Instrument :

MSVOA_N

ClientSampleId :

TP-7

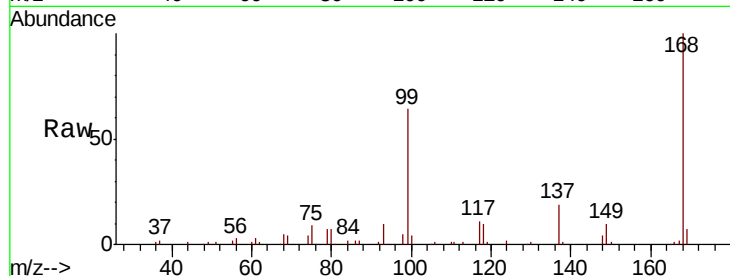
Tot Ion: 56 Resp: 3687

Ion Ratio Lower Upper

56 100

69 150.0 25.3 37.9#

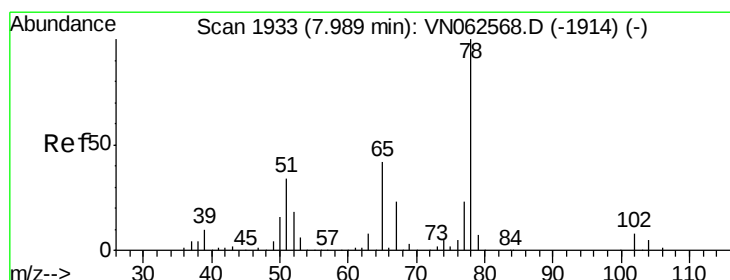
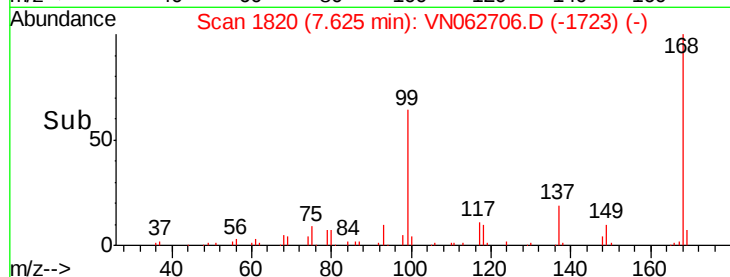
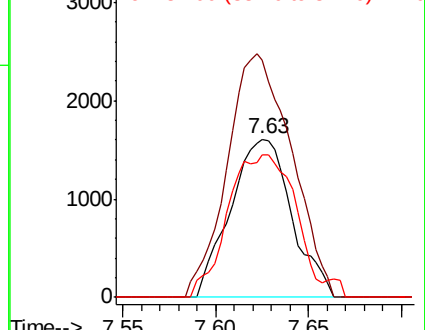
84 89.9 61.0 91.4



Abundance Ion 56.00 (55.70 to 56.70): VN062706.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN062706.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN062706.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 56.160 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062706.D

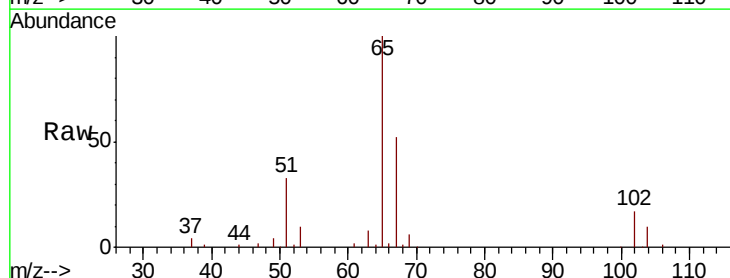
Acq: 1 Aug 2020 00:22

Tgt Ion: 65 Resp: 119804

Ion Ratio Lower Upper

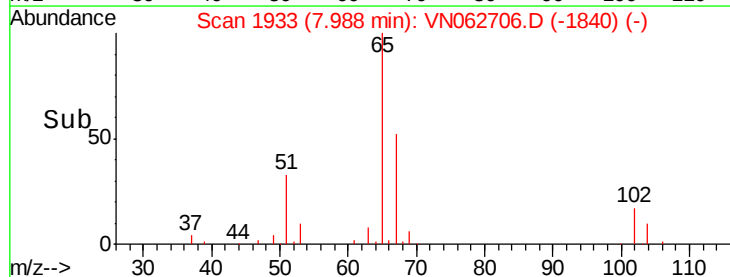
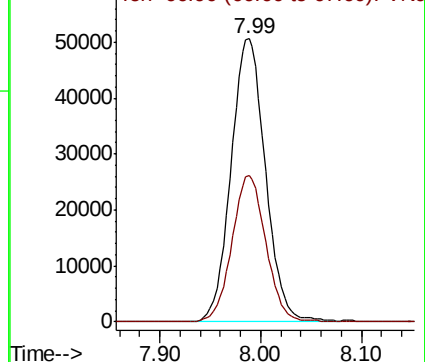
65 100

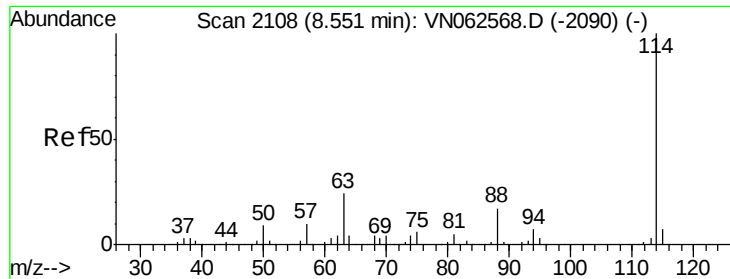
67 50.9 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN062706.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062706.D (-1840) (-)

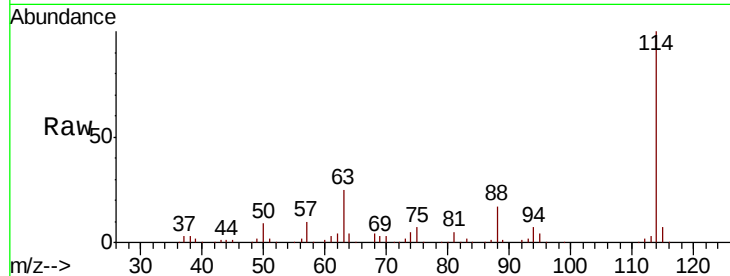




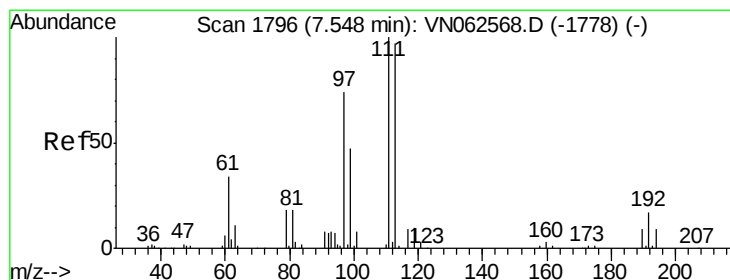
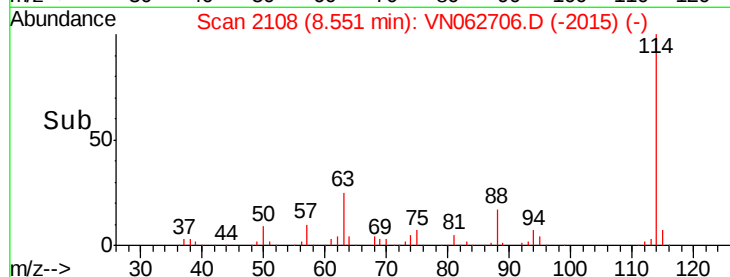
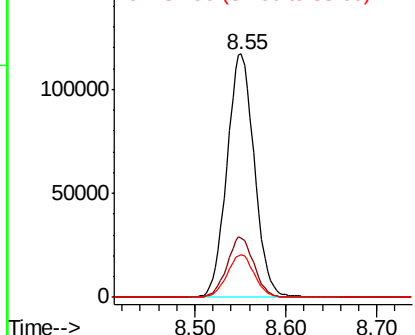
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062706.D
 Acq: 1 Aug 2020 00:22

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:114 Resp: 244685
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.4
 88 17.5 0.0 33.8

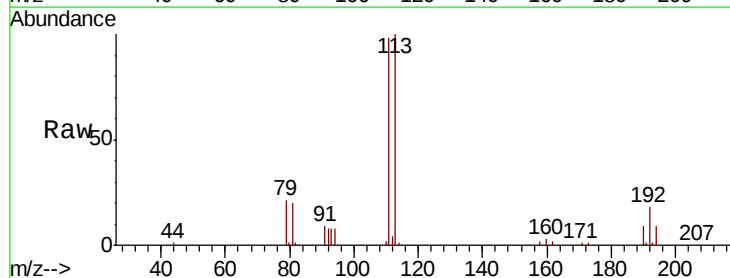


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

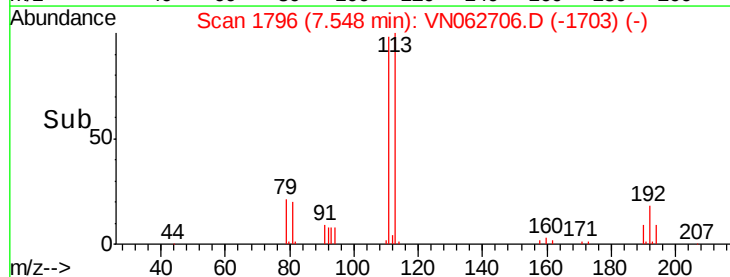
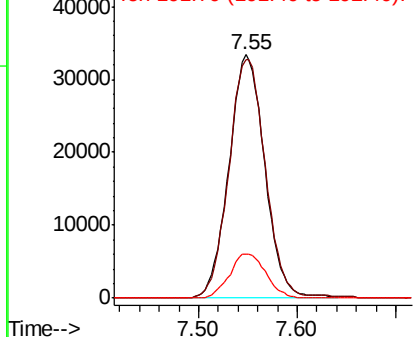


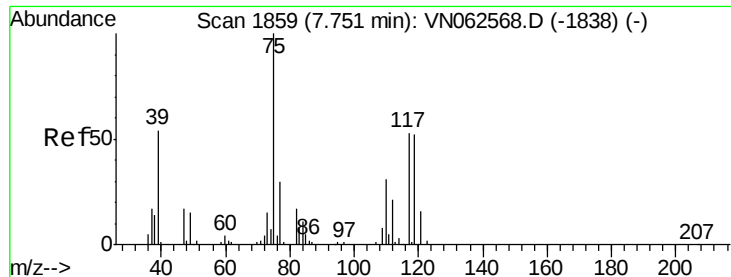
#35
 Dibromofluoromethane
 Concen: 52.551 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062706.D
 Acq: 1 Aug 2020 00:22

Tgt Ion:113 Resp: 84462
 Ion Ratio Lower Upper
 113 100
 111 100.2 82.7 124.1
 192 18.4 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

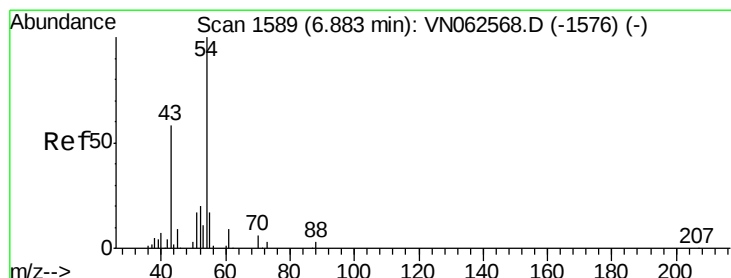
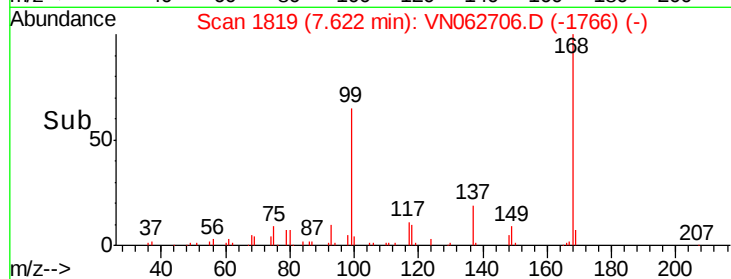
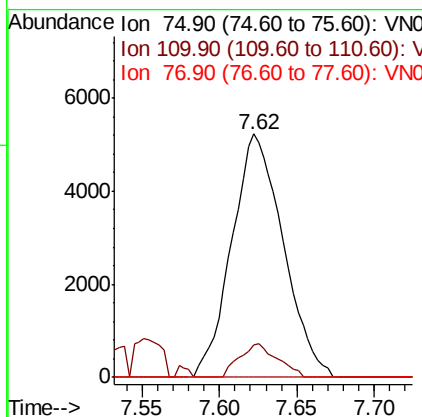
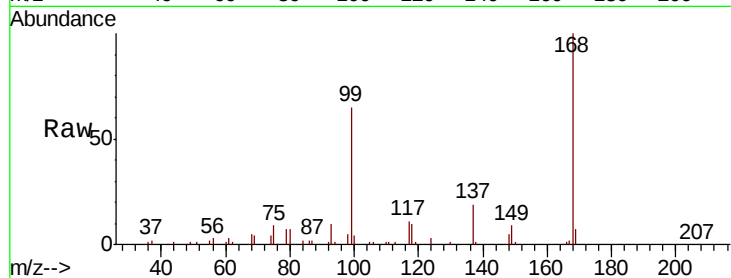




#36
 1,1-Dichloropropene
 Concen: 4.631 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062706.D
 Acq: 1 Aug 2020 00:22

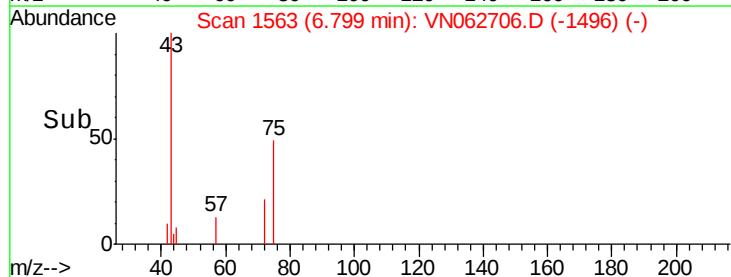
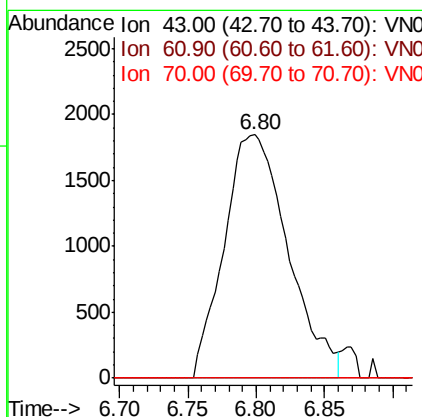
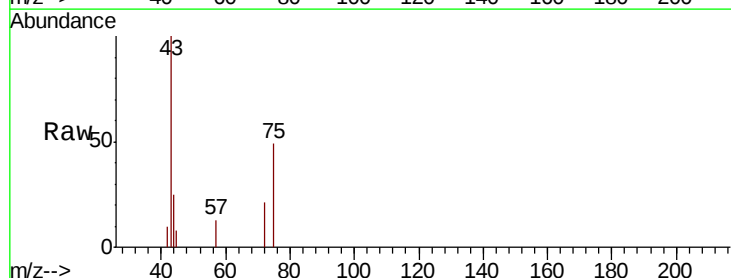
Instrument :
 MSVOA_N
 ClientSampled :
 TP-7

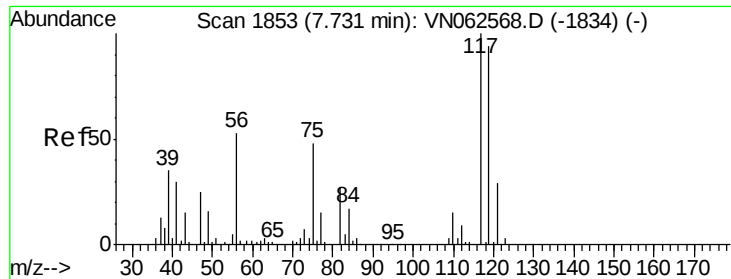
Tot Ion: 75 Resp: 12078
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.0 48.0#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 2.143 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.08 min
 Lab File: VN062706.D
 Acq: 1 Aug 2020 00:22

Tgt Ion: 43 Resp: 6026
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.3 16.9#
 70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.108 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.10 min

Lab File: VN062706.D

Acq: 1 Aug 2020 00:22

Instrument :

MSVOA_N

ClientSampled :

TP-7

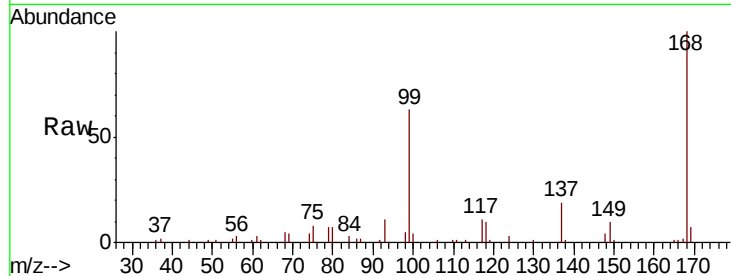
Tot Ion:117 Resp: 15312

Ion Ratio Lower Upper

117 100

119 5.7 74.8 112.2#

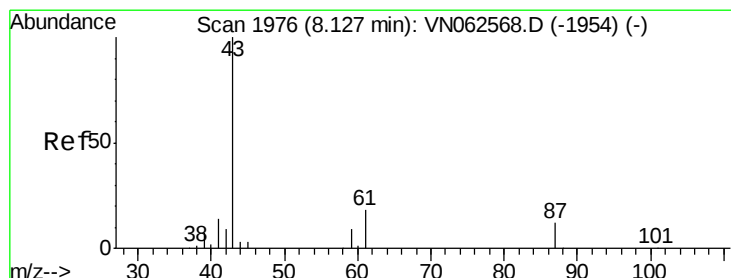
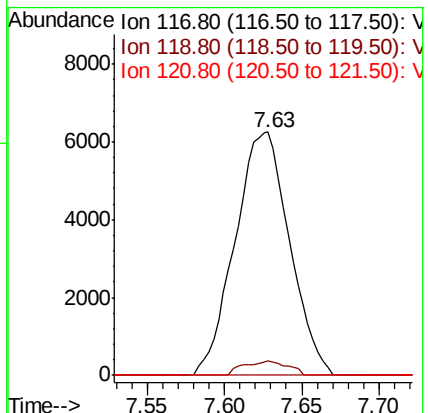
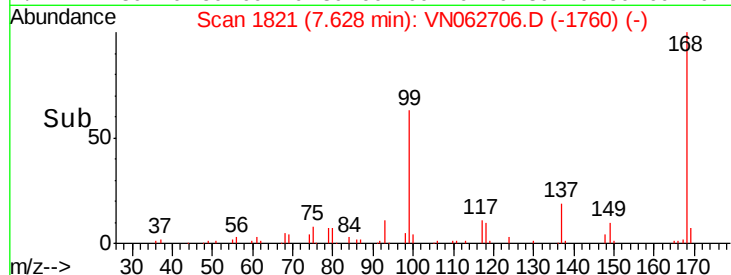
121 0.0 23.0 34.6#



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: 0.753 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.11 min

Lab File: VN062706.D

Acq: 1 Aug 2020 00:22

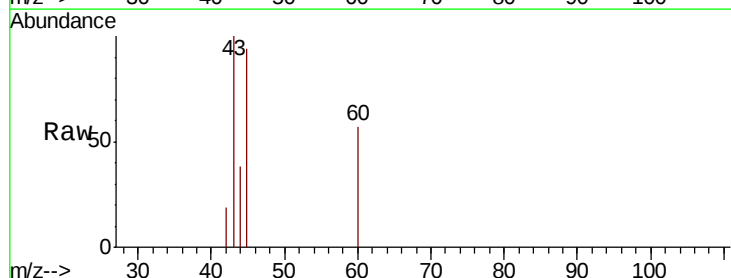
Tgt Ion: 43 Resp: 3413

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

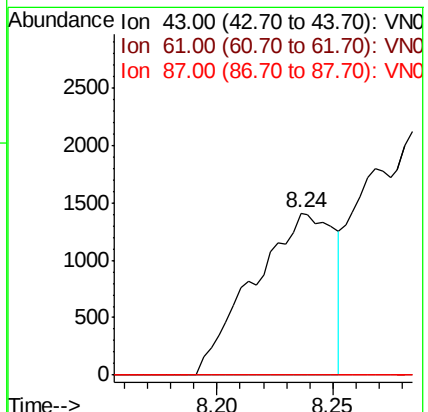
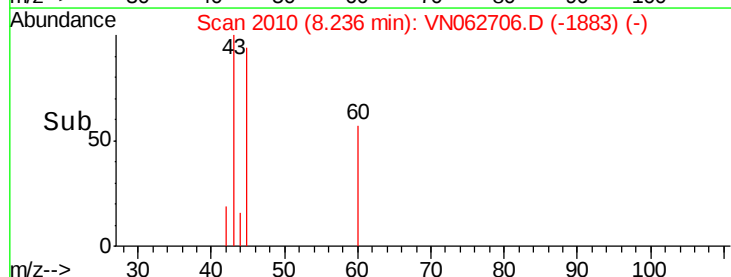
87 0.0 9.2 13.8#

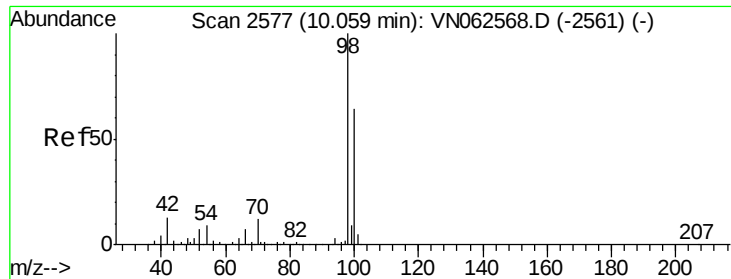


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

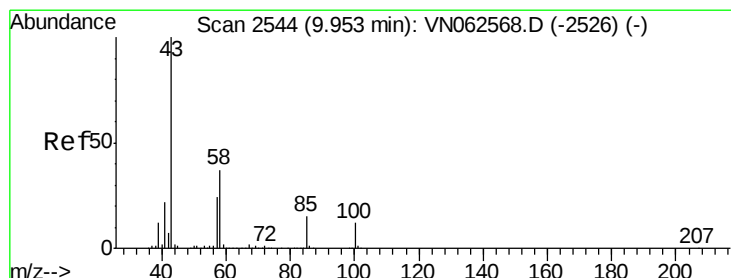
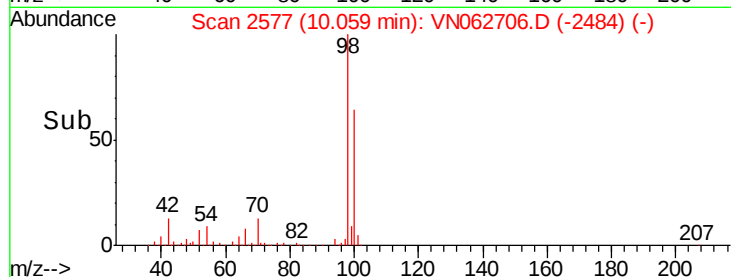
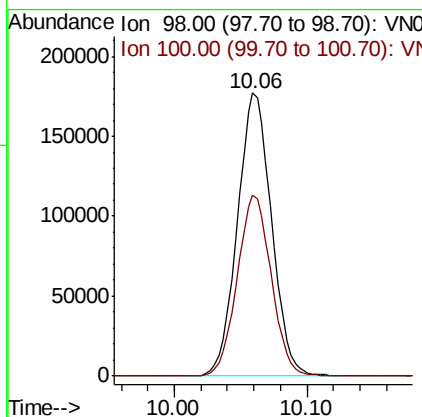
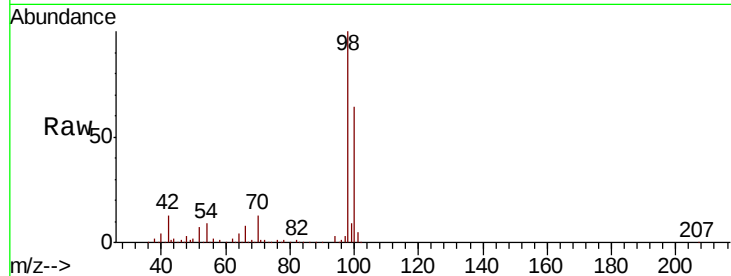




#50
Toluene-d8
Concen: 49.364 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062706.D
Acq: 1 Aug 2020 00:22

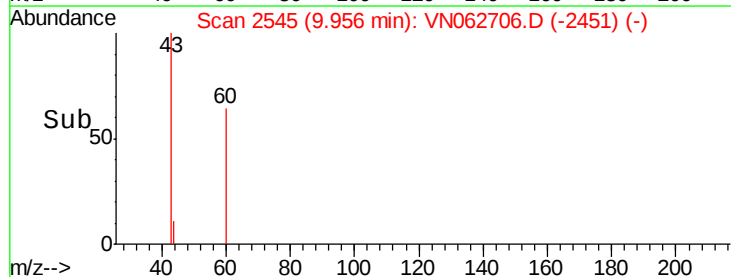
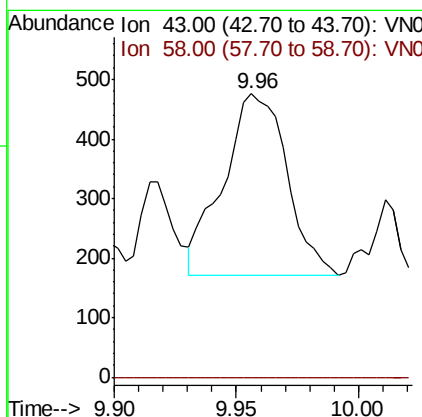
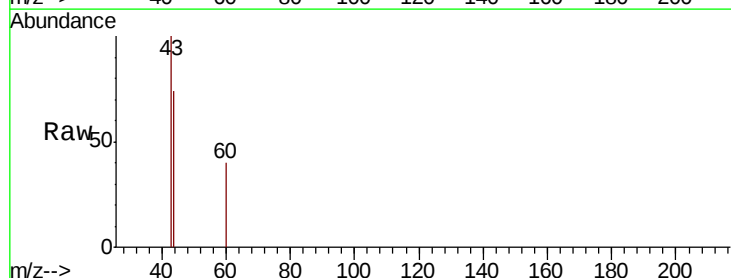
Instrument :
MSVOA_N
ClientSampled :
TP-7

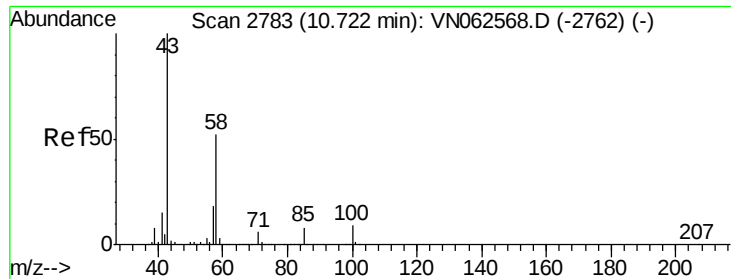
Tot Ion: 98 Resp: 316557
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.204 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062706.D
Acq: 1 Aug 2020 00:22

Tgt Ion: 43 Resp: 554
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#

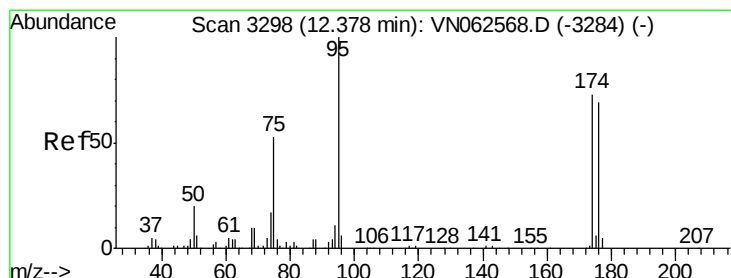
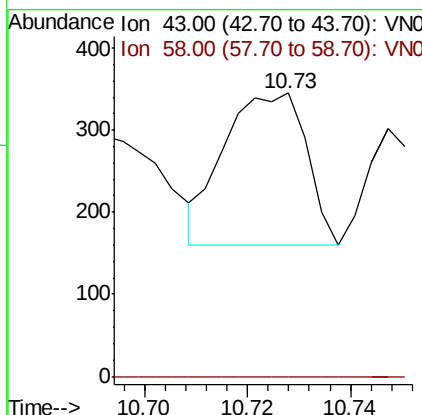
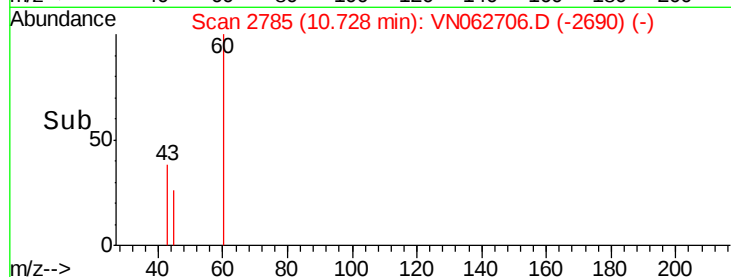
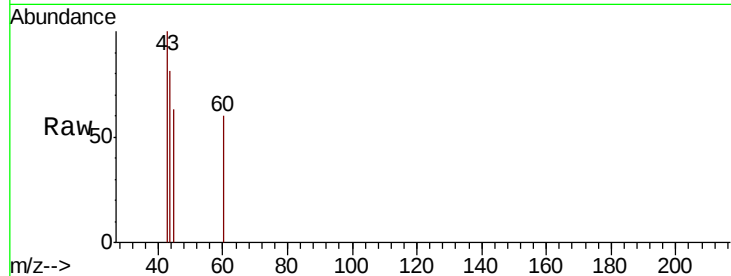




#59
2-Hexanone
Concen: 3.055 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062706.D
Acq: 1 Aug 2020 00:22

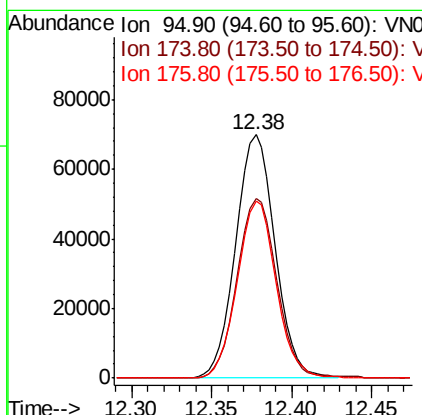
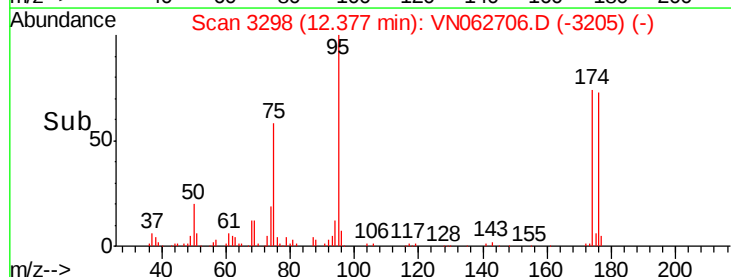
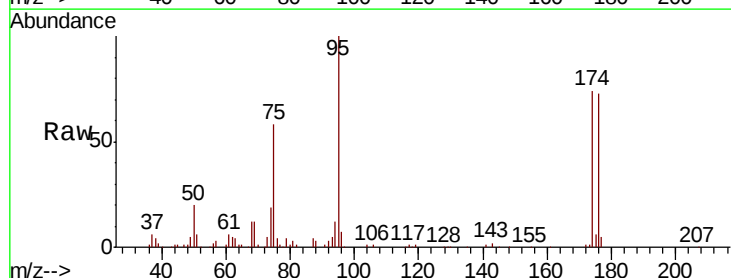
Instrument :
MSVOA_N
ClientSampleId :
TP-7

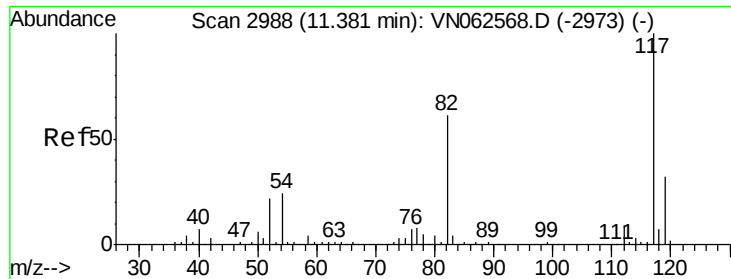
Tot Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
58 0.0 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 50.029 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062706.D
Acq: 1 Aug 2020 00:22

Tgt Ion: 95 Resp: 117306
Ion Ratio Lower Upper
95 100
174 75.0 0.0 144.6
176 72.1 0.0 139.4

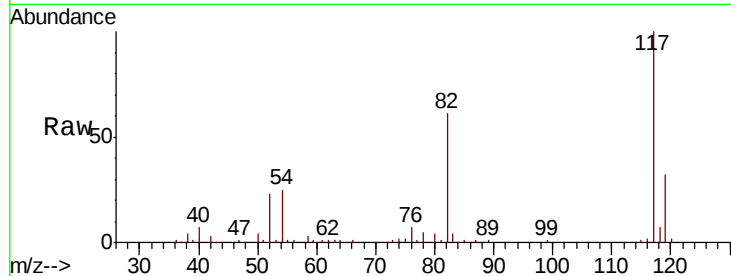




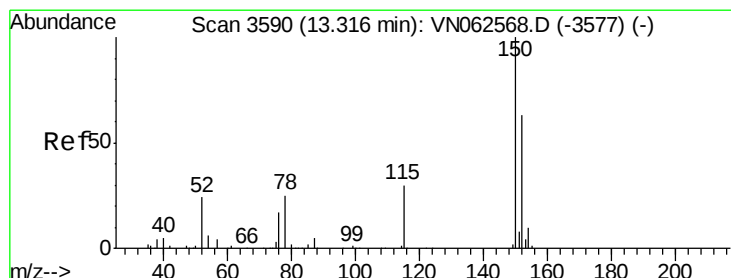
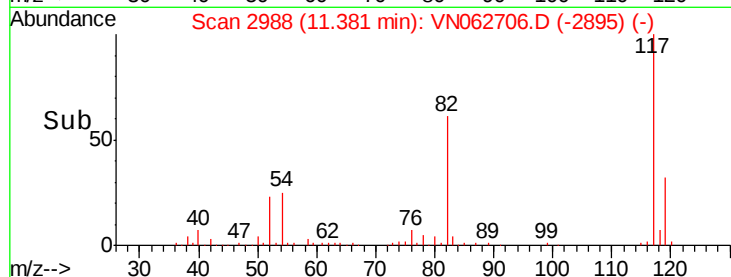
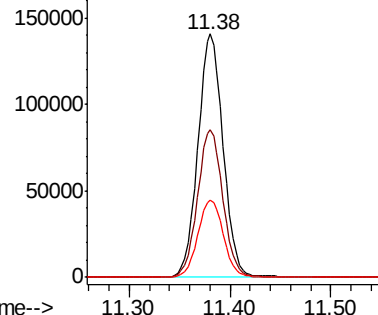
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062706.D
Acq: 1 Aug 2020 00:22

Instrument :
MSVOA_N
ClientSampleId :
TP-7

Tot Ion:117 Resp: 245591
Ion Ratio Lower Upper
117 100
82 60.6 49.0 73.6
119 31.9 25.4 38.2

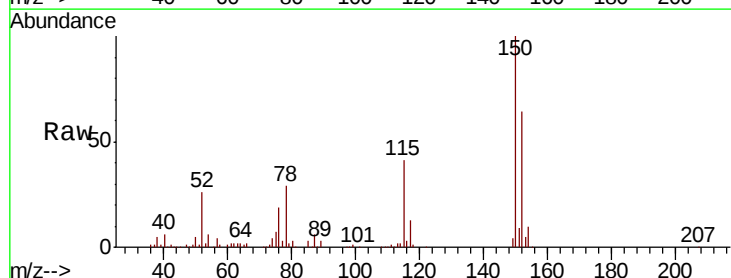


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

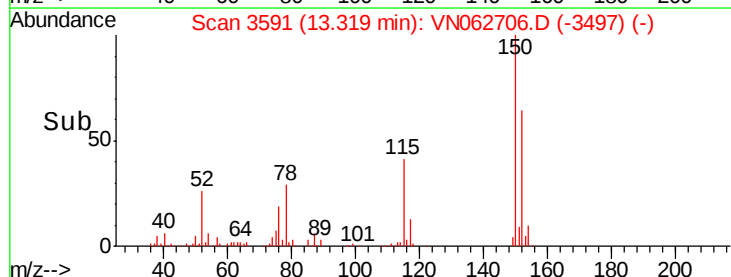
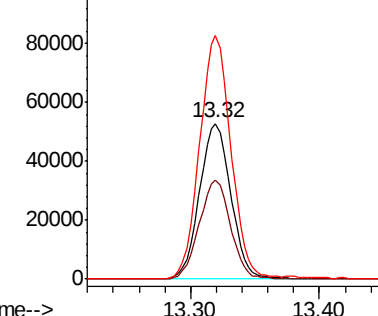


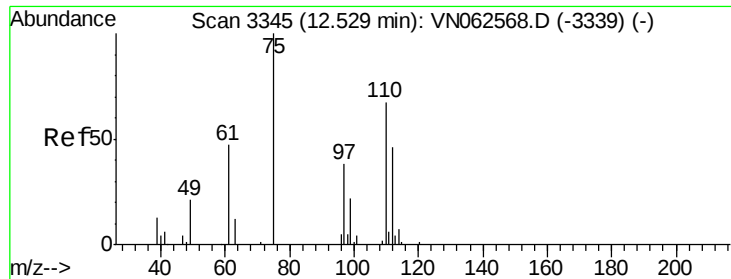
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062706.D
Acq: 1 Aug 2020 00:22

Tgt Ion:152 Resp: 89466
Ion Ratio Lower Upper
152 100
115 63.3 31.8 95.4
150 155.4 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

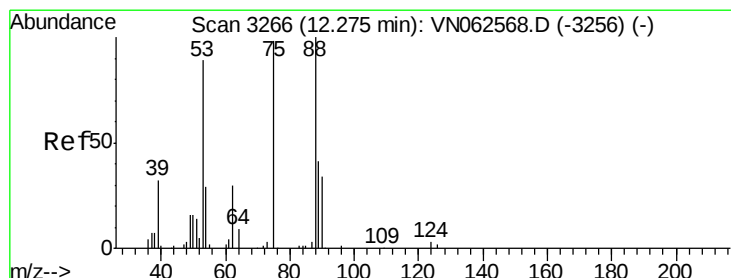
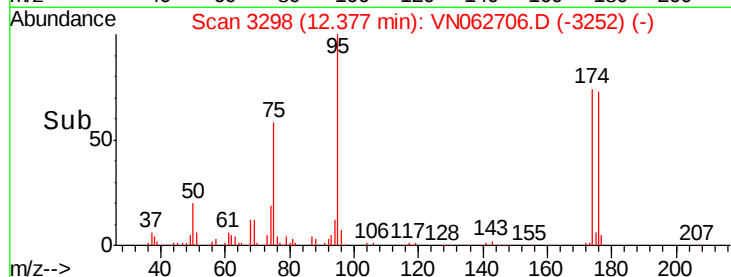
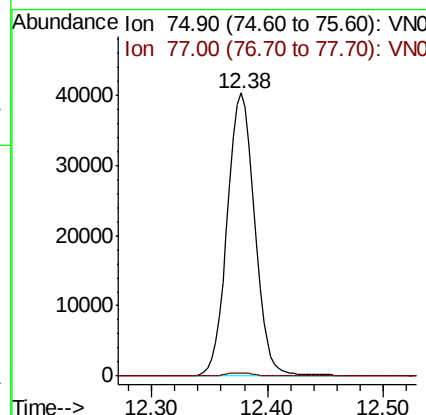
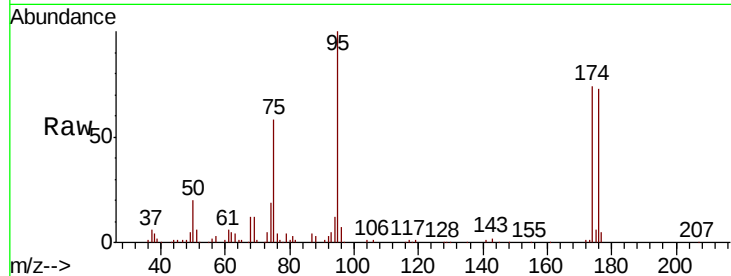




#76
 1,2,3-Trichloropropane
 Concen: 29.005 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062706.D
 Acq: 1 Aug 2020 00:22

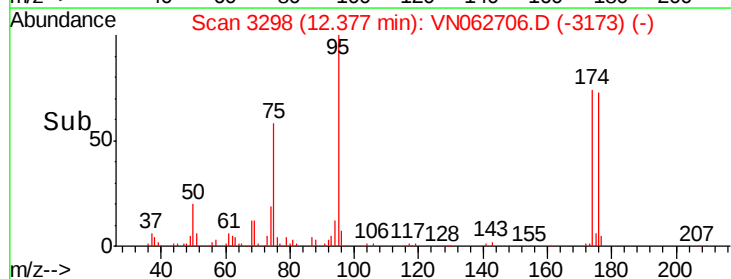
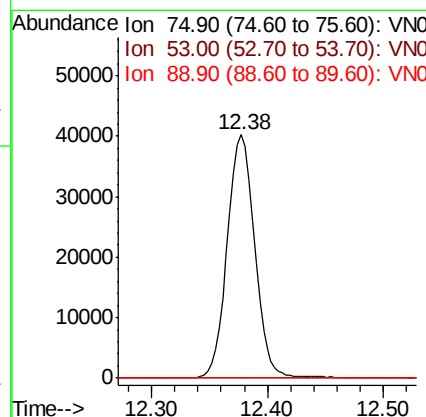
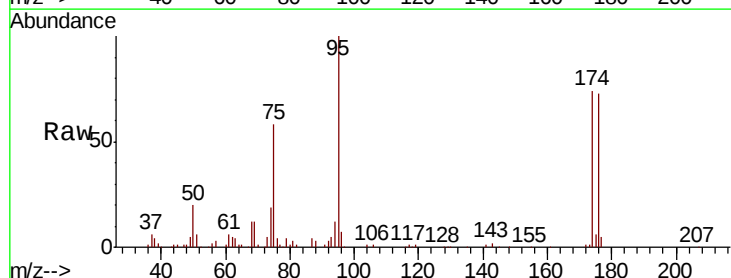
Instrument :
 MSVOA_N
 ClientSampled :
 TP-7

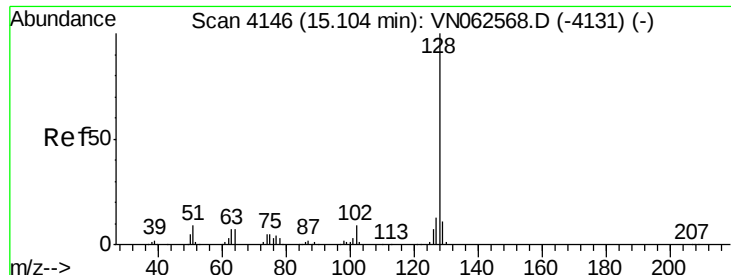
Tot Ion: 75 Resp: 66051
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.743 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062706.D
 Acq: 1 Aug 2020 00:22

Tgt Ion: 75 Resp: 66051
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.059 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062706.D

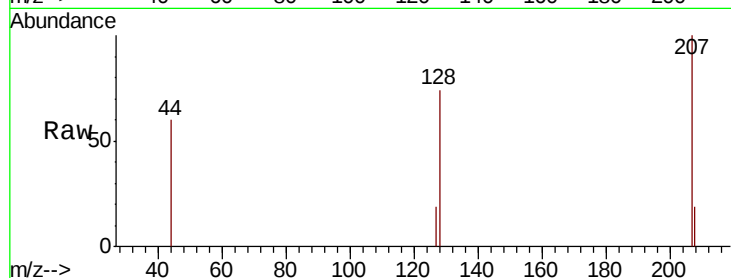
Acq: 1 Aug 2020 00:22

Instrument :

MSVOA_N

ClientSampleId :

TP-7



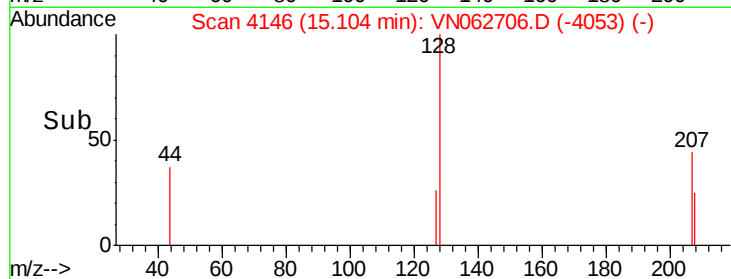
Tot Ion:128 Resp: 1279

Ion Ratio Lower Upper

128 100

127 2.5 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

