

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062705.D
 Acq On : 31 Jul 2020 23:58
 Operator : JC/MD
 Sample : L3518-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

Quant Time: Aug 01 06:12:00 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	141995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	252573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	250228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	120657	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
35) Dibromofluoromethane	7.55	113	85677	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.06	98	332775	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.38	95	117916	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	

Target Compounds

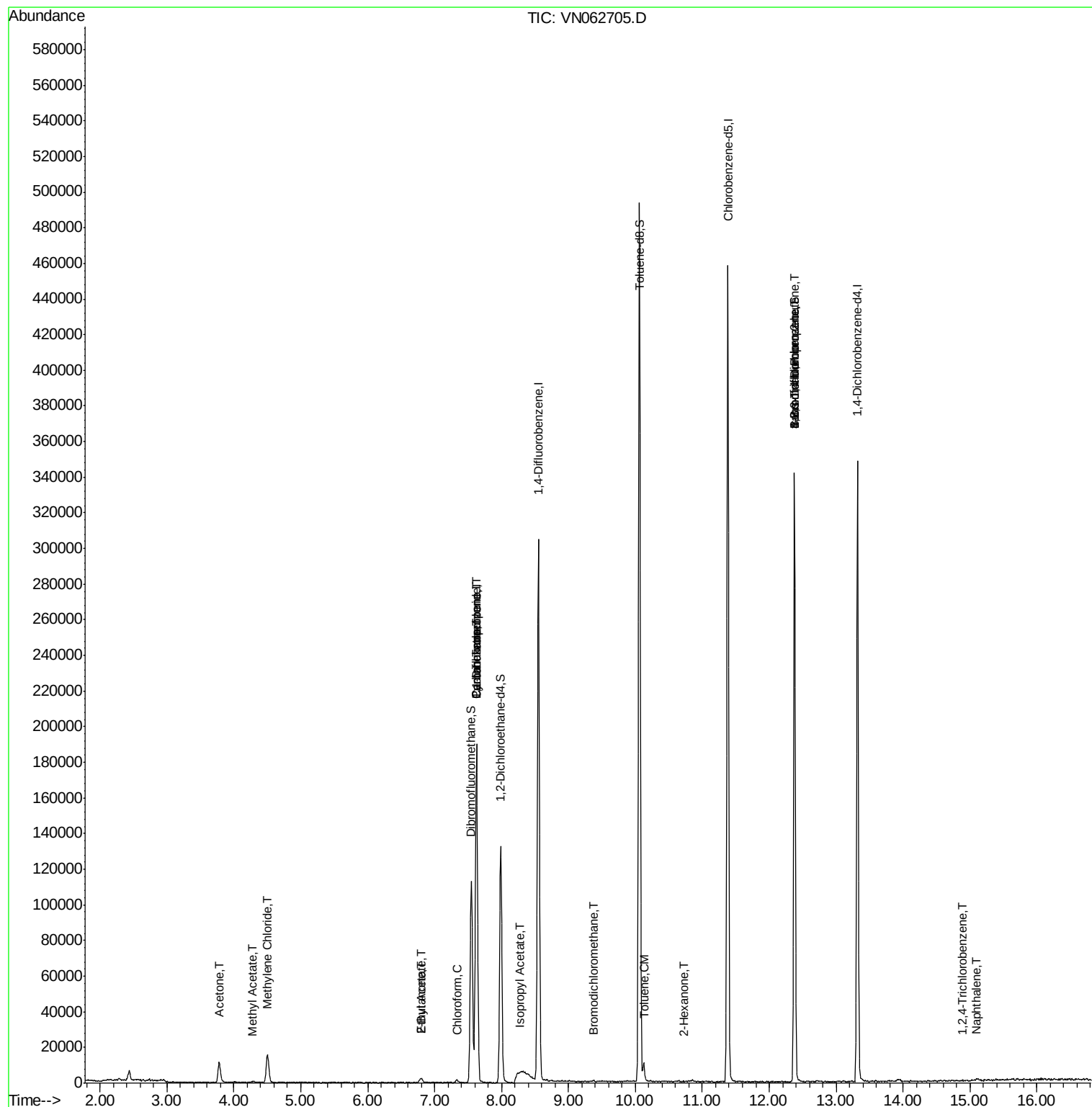
						Qvalue
16) Acetone	3.78	43	19530	23.528	ug/l	95
18) Methyl Acetate	4.28	43	737	0.351	ug/l #	56
20) Methylene Chloride	4.50	84	11191	5.621	ug/l	95
25) 2-Butanone	6.80	43	4996	3.952	ug/l	98
30) Chloroform	7.33	83	2146	0.641	ug/l	98
31) Cyclohexane	7.62	56	3855	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12504	4.645	ug/l #	51
37) Ethyl Acetate	6.80	43	4996	1.722	ug/l #	69
38) Carbon Tetrachloride	7.62	117	15176	5.865	ug/l #	17
43) Isopropyl Acetate	8.27	43	7818	1.671	ug/l #	55
47) Bromodichloromethane	9.37	83	618	0.216	ug/l #	86
52) Toluene	10.13	92	3721	0.786	ug/l	78
59) 2-Hexanone	10.73	43	106	3.007	ug/l	66
71) Bromoform	12.38	173	720	0.486	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	64325	28.435	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	64325	79.155	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.89	180	65	3.145	ug/l #	1
95) Naphthalene	15.11	128	1588	4.133	ug/l #	72

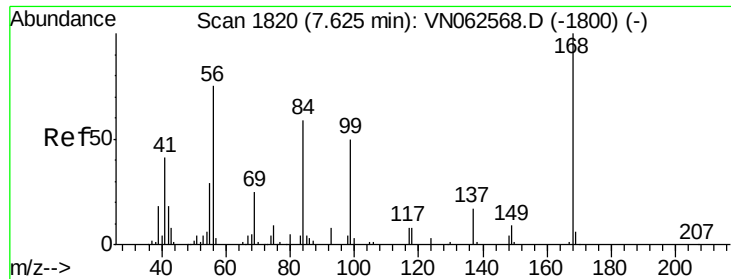
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062705.D

Acq: 31 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

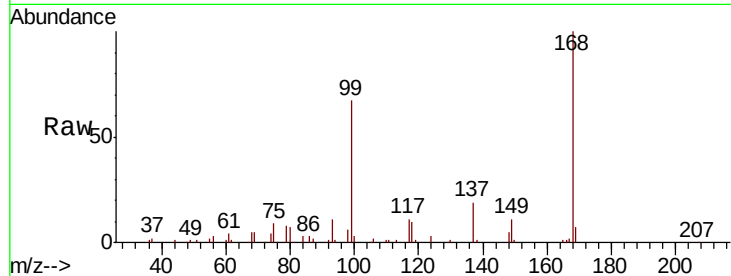
TP-6

Tot Ion:168 Resp: 141995

Ion Ratio Lower Upper

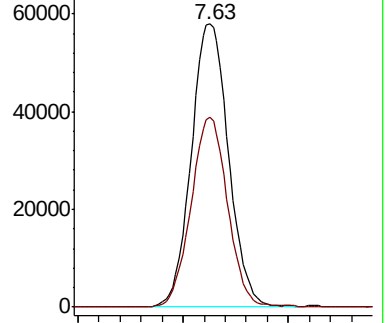
168 100

99 67.1 48.4 72.6

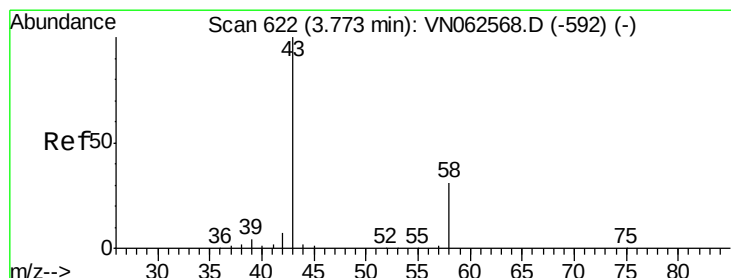
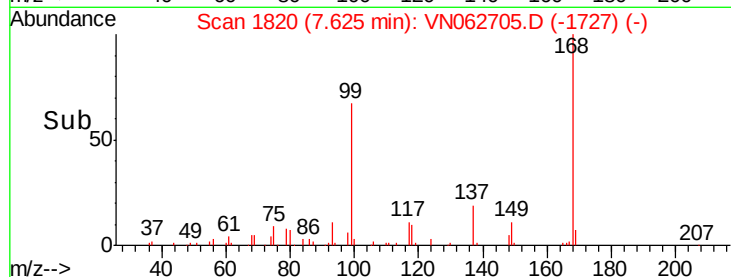


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 23.528 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062705.D

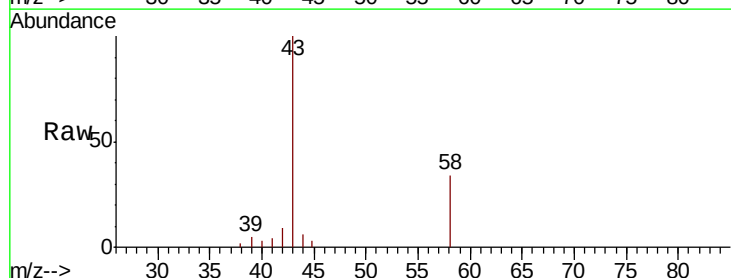
Acq: 31 Jul 2020 23:58

Tgt Ion: 43 Resp: 19530

Ion Ratio Lower Upper

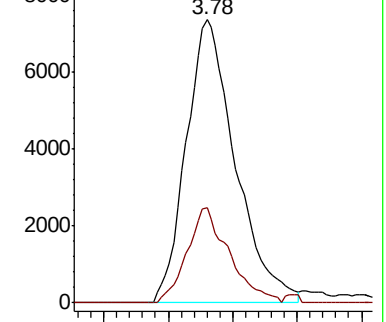
43 100

58 33.6 24.6 37.0

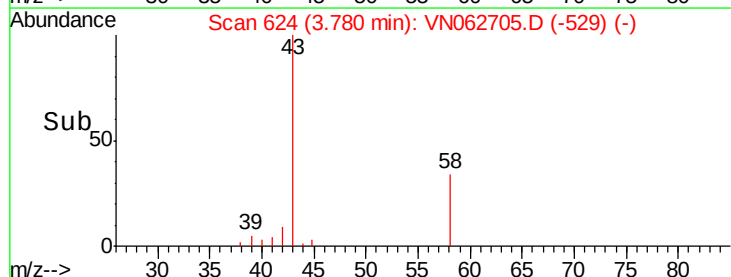


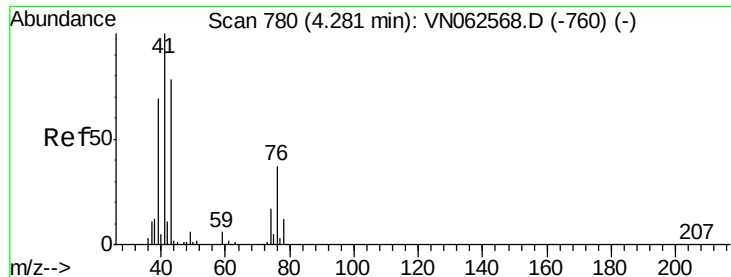
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN



Time--> 3.70 3.75 3.80 3.85

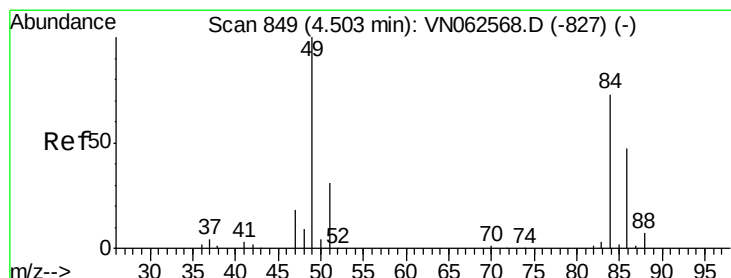
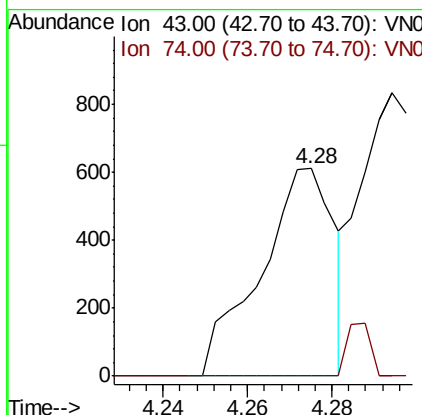
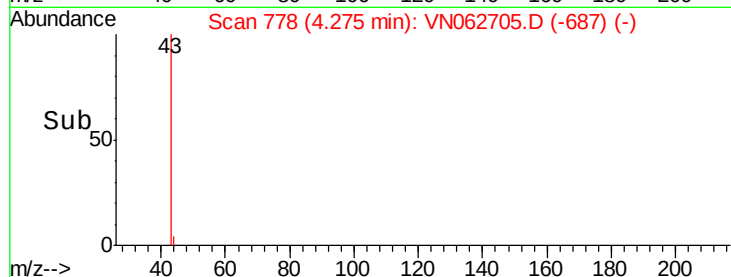
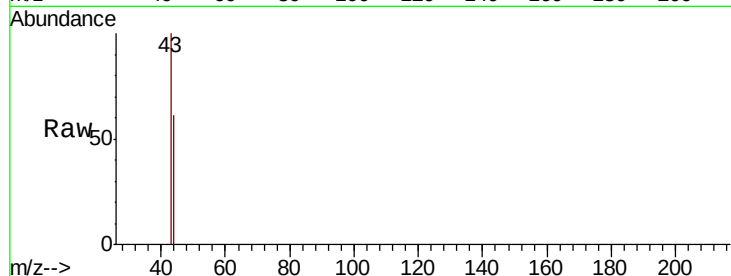




#18
Methvl Acetate
Concen: 0.351 ug/l
RT: 4.28 min Scan# 778
Delta R.T. -0.01 min
Lab File: VN062705.D
Acq: 31 Jul 2020 23:58

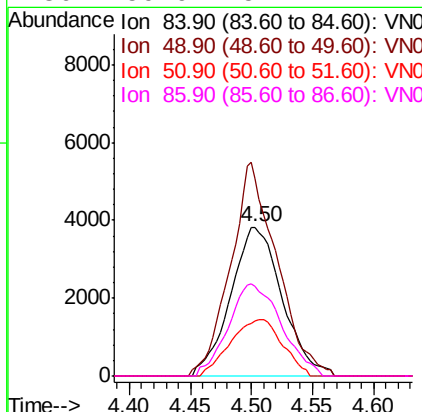
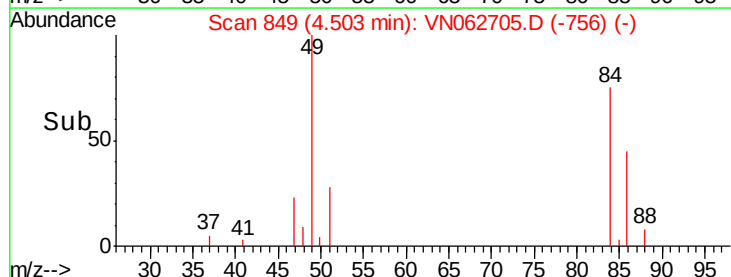
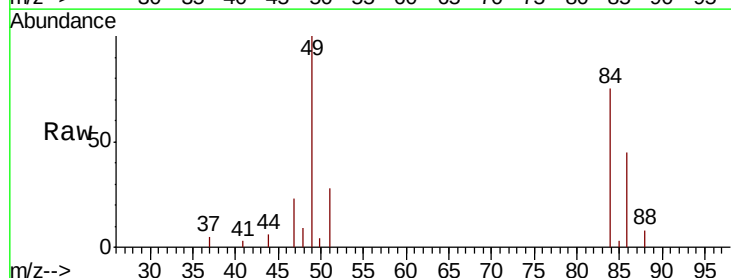
Instrument :
MSVOA_N
ClientSampleId :
TP-6

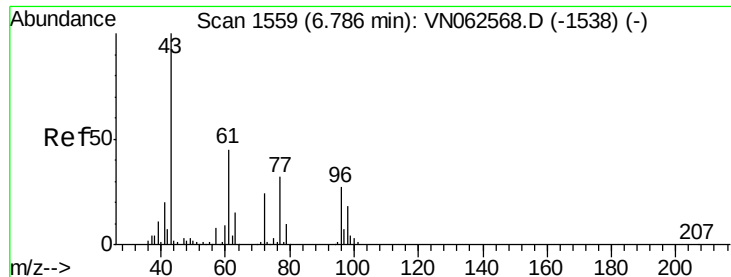
Tot Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 5.621 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062705.D
Acq: 31 Jul 2020 23:58

Tgt Ion: 84 Resp: 11191
Ion Ratio Lower Upper
84 100
49 132.5 109.4 164.0
51 36.9 33.6 50.4
86 59.9 51.4 77.2

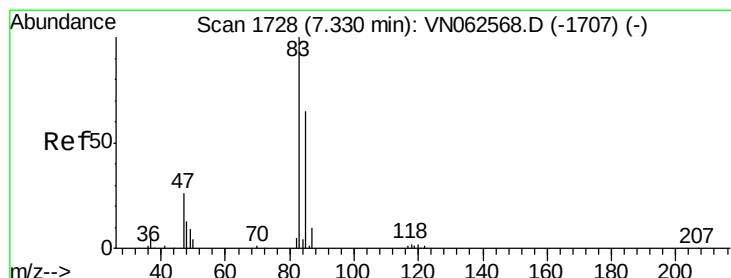
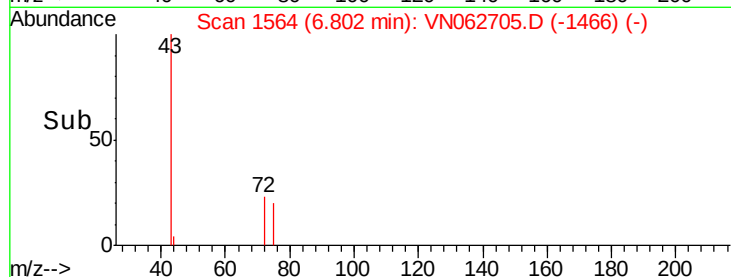
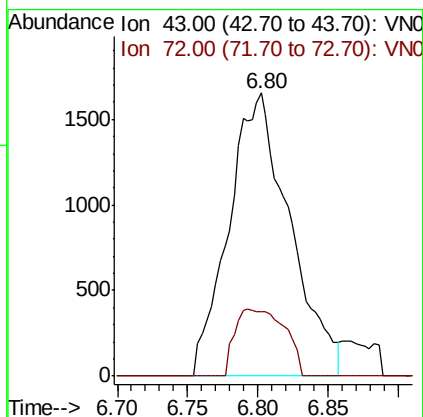
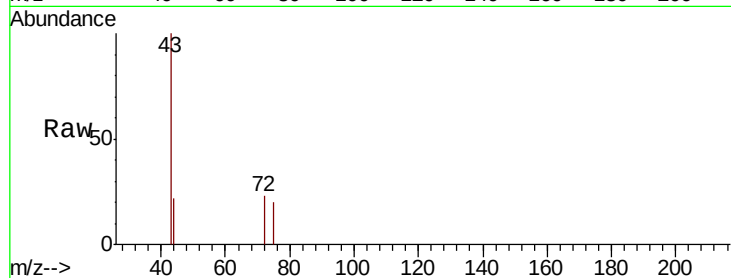




#25
2-Butanone
Concen: 3.952 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.02 min
Lab File: VN062705.D
Acq: 31 Jul 2020 23:58

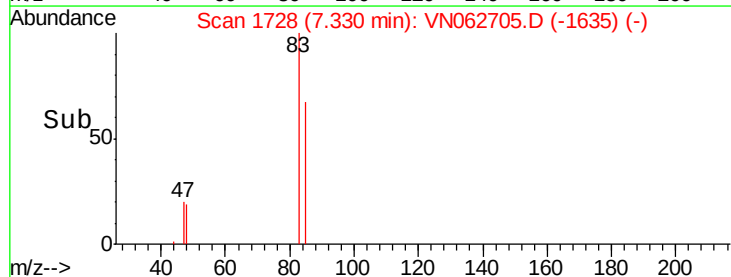
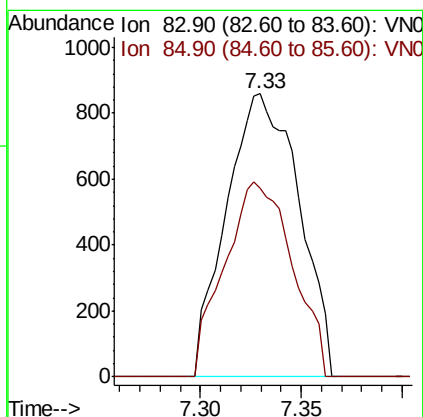
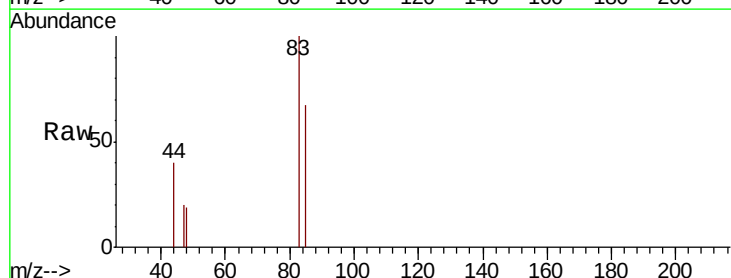
Instrument :
MSVOA_N
ClientSampled :
TP-6

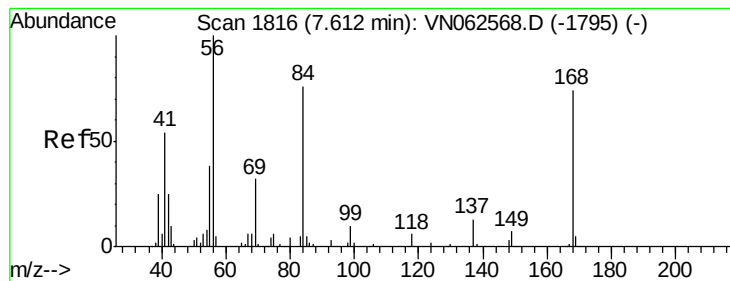
Tot Ion: 43 Resp: 4996
Ion Ratio Lower Upper
43 100
72 22.9 19.0 28.6



#30
Chloroform
Concen: 0.641 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062705.D
Acq: 31 Jul 2020 23:58

Tgt Ion: 83 Resp: 2146
Ion Ratio Lower Upper
83 100
85 66.7 52.0 78.0





#31

Cyclohexane

Concen: 1.186 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062705.D

Acq: 31 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

TP-6

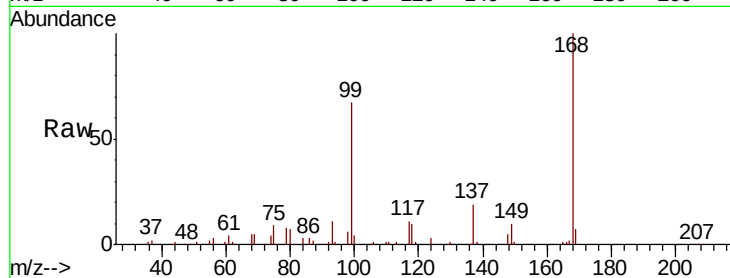
Tot Ion: 56 Resp: 3855

Ion Ratio Lower Upper

56 100

69 189.5 25.3 37.9#

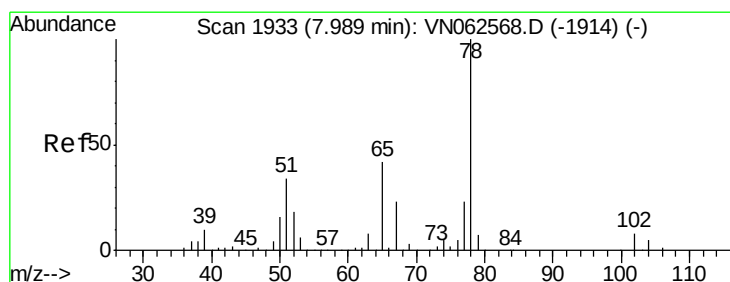
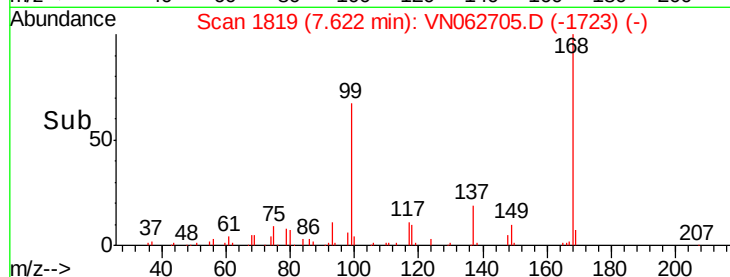
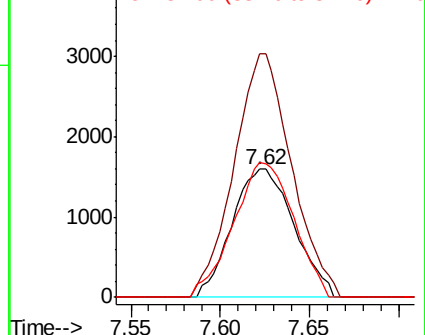
84 105.5 61.0 91.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.699 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062705.D

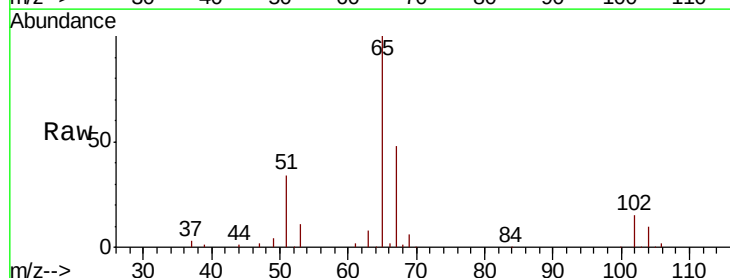
Acq: 31 Jul 2020 23:58

Tgt Ion: 65 Resp: 120657

Ion Ratio Lower Upper

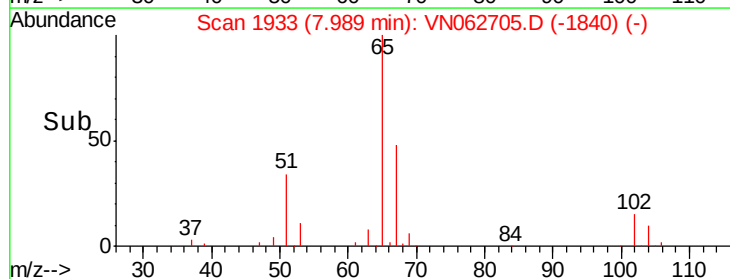
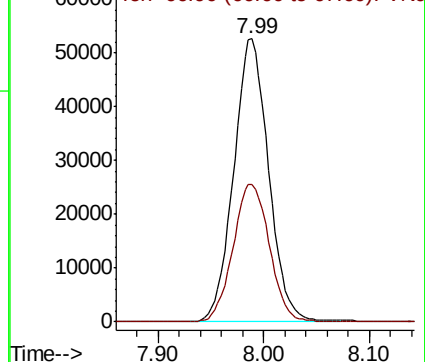
65 100

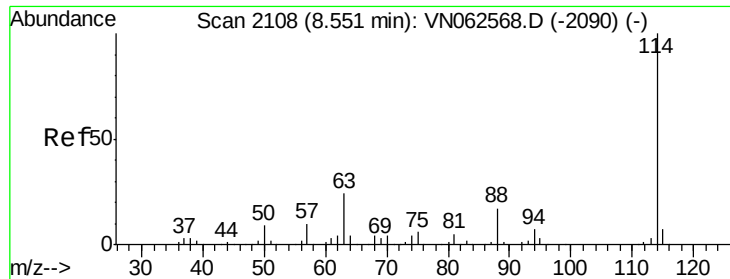
67 50.7 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

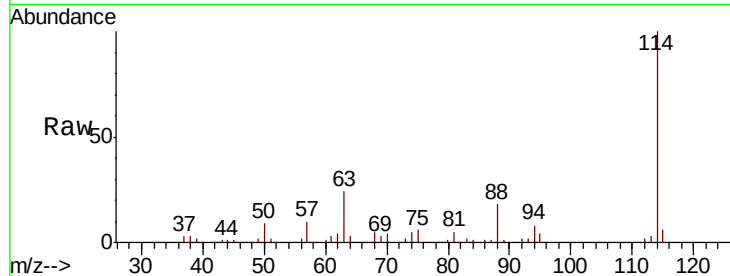




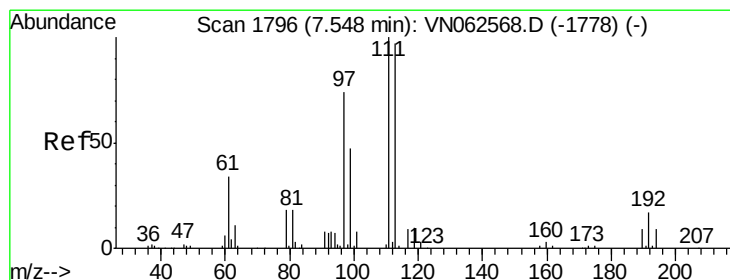
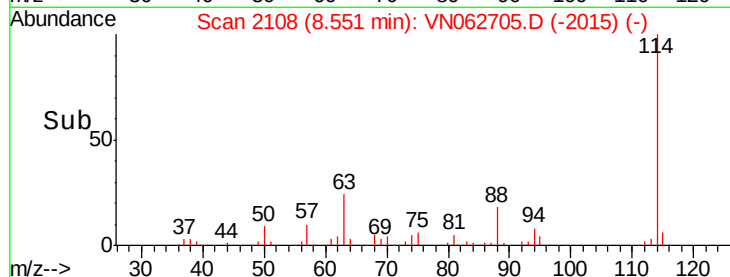
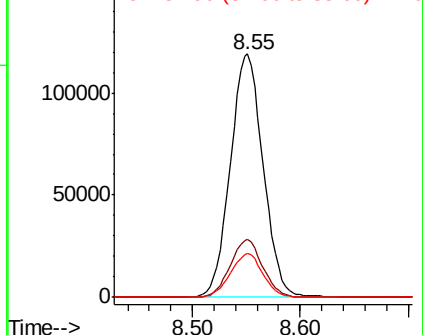
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062705.D
 Acq: 31 Jul 2020 23:58

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

Tot Ion:114 Resp: 252573
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.4
 88 17.9 0.0 33.8

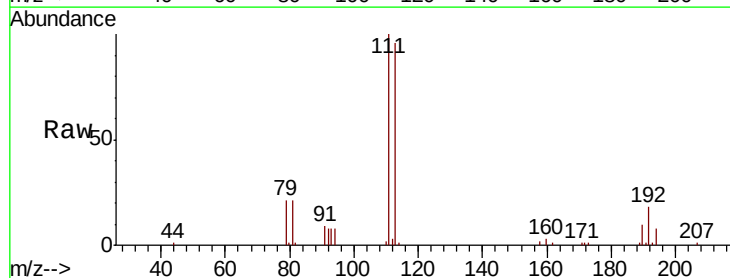


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

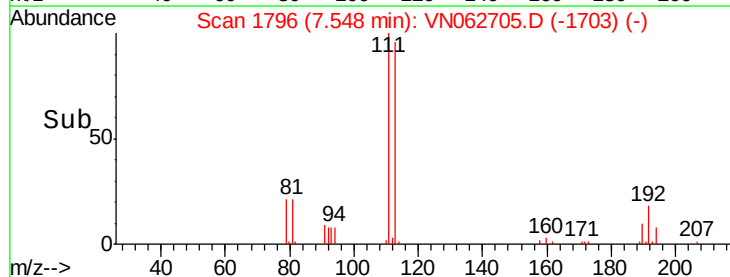
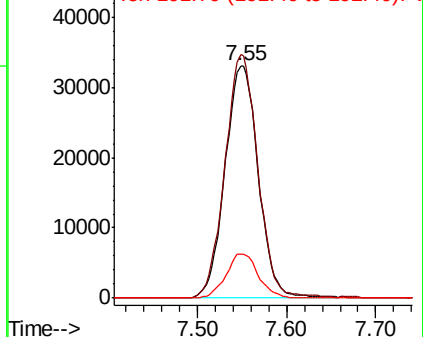


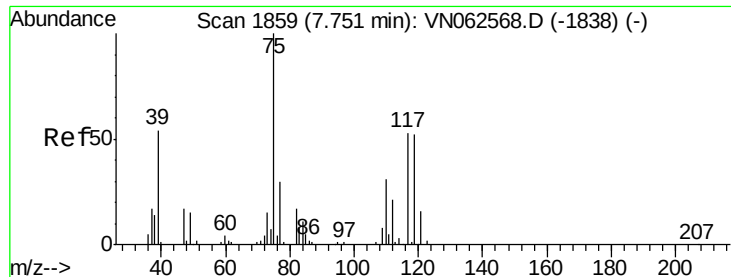
#35
 Dibromofluoromethane
 Concen: 51.642 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062705.D
 Acq: 31 Jul 2020 23:58

Tgt Ion:113 Resp: 85677
 Ion Ratio Lower Upper
 113 100
 111 103.0 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: 4.645 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062705.D

Acq: 31 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

TP-6

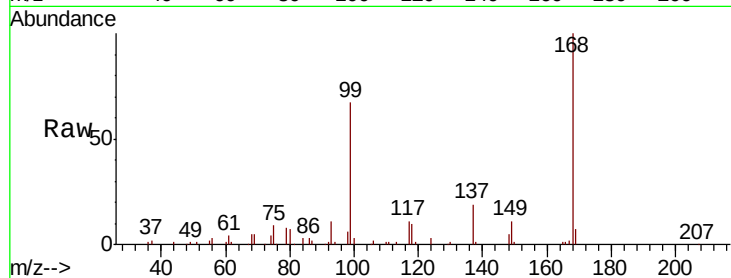
Tot Ion: 75 Resp: 12504

Ion Ratio Lower Upper

75 100

110 8.2 16.0 48.0#

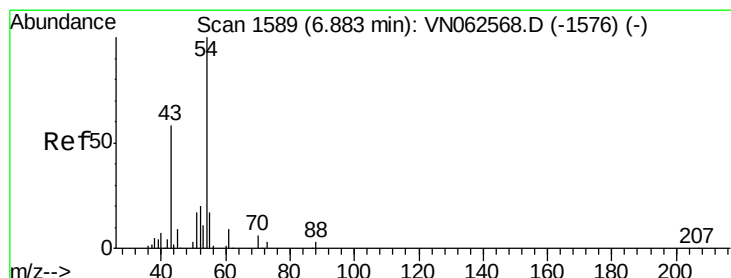
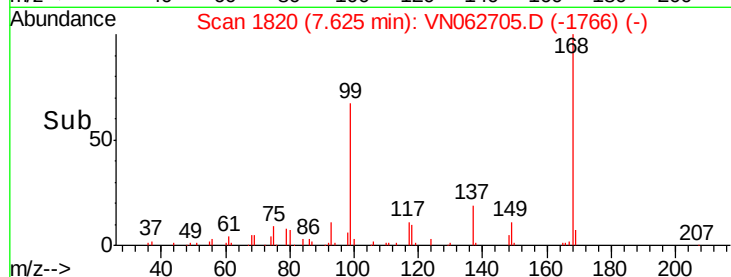
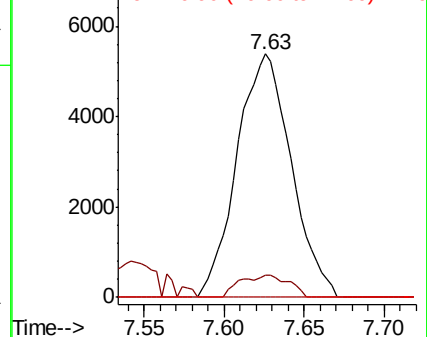
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN062705.D (-1766) (-)

Ion 109.90 (109.60 to 110.60): VN062705.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN062705.D (-1766) (-)



#37

Ethyl Acetate

Concen: 1.722 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.08 min

Lab File: VN062705.D

Acq: 31 Jul 2020 23:58

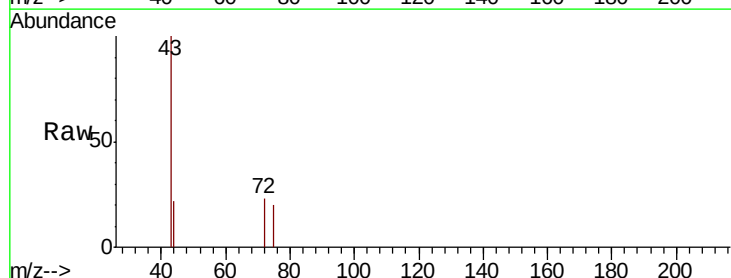
Tgt Ion: 43 Resp: 4996

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

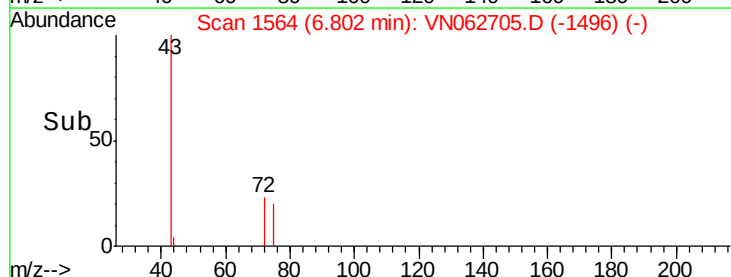
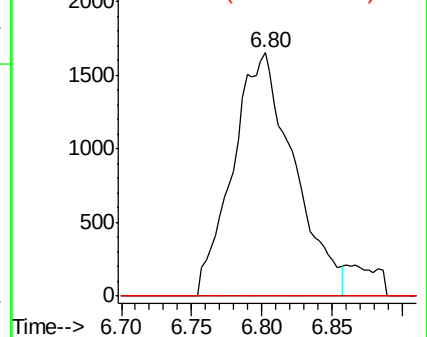
70 0.0 7.7 11.5#

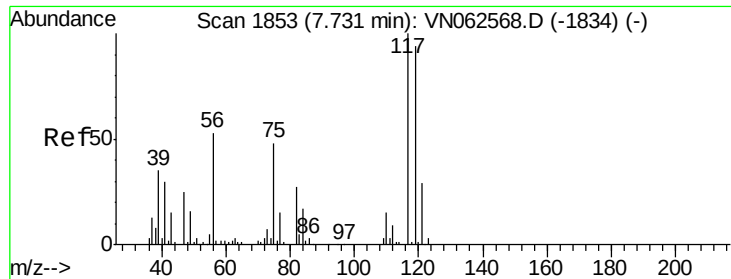


Abundance Ion 43.00 (42.70 to 43.70): VN062705.D (-1496) (-)

Ion 60.90 (60.60 to 61.60): VN062705.D (-1496) (-)

Ion 70.00 (69.70 to 70.70): VN062705.D (-1496) (-)





#38

Carbon Tetrachloride

Concen: 5.865 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062705.D

Acq: 31 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

TP-6

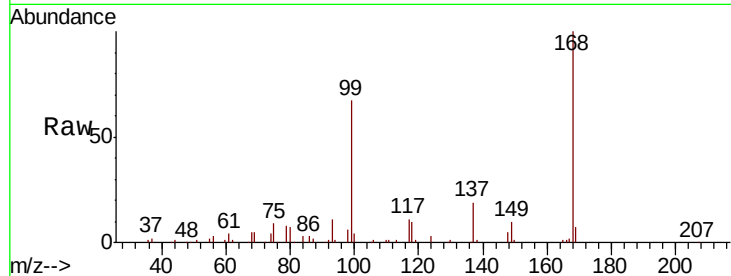
Tot Ion:117 Resp: 15176

Ion Ratio Lower Upper

117 100

119 5.1 74.8 112.2#

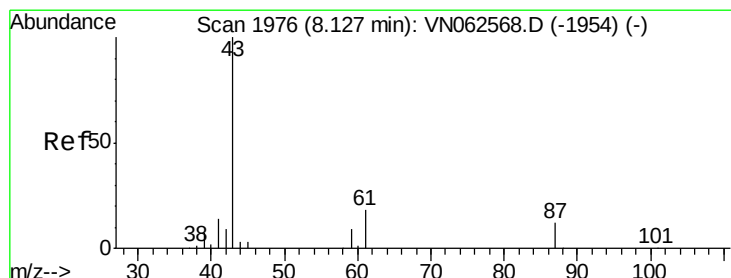
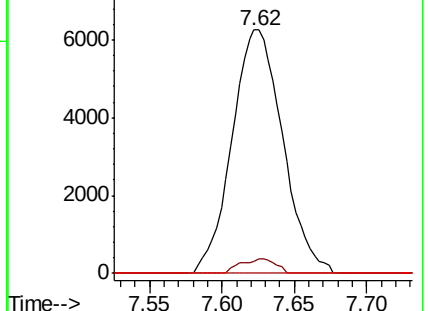
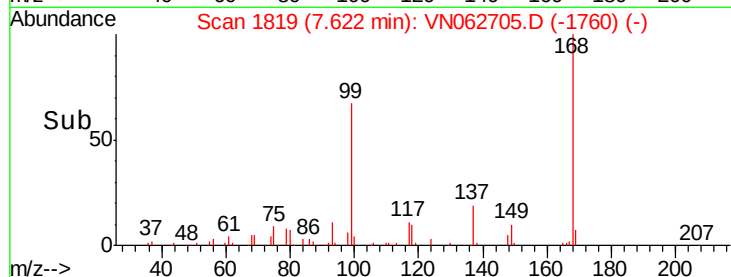
121 0.0 23.0 34.6#



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: 1.671 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.14 min

Lab File: VN062705.D

Acq: 31 Jul 2020 23:58

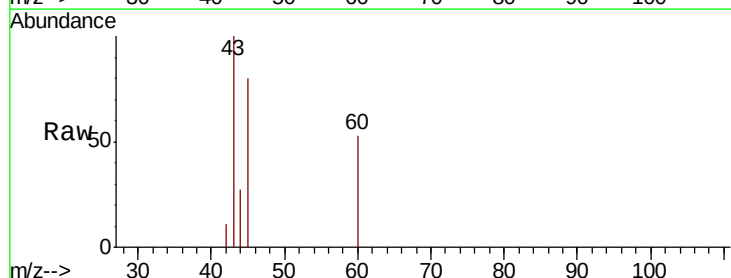
Tgt Ion: 43 Resp: 7818

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

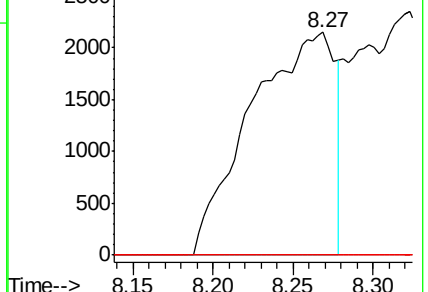
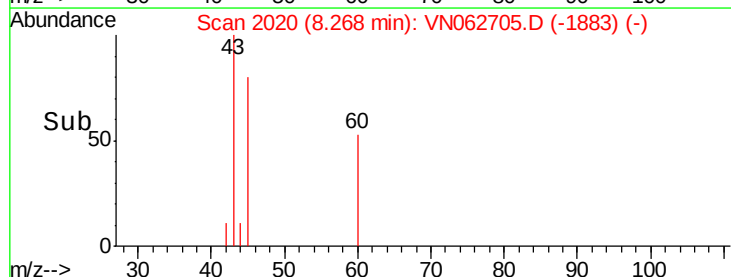
87 0.0 9.2 13.8#

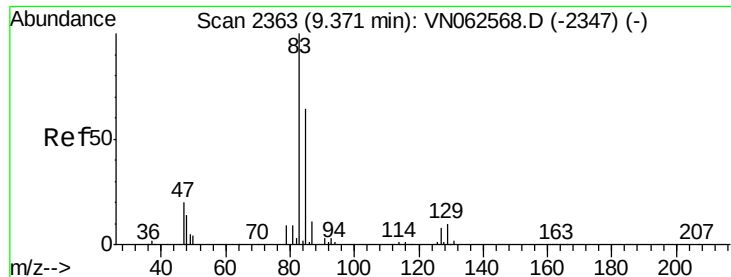


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#47

Bromodichloromethane

Concen: 0.216 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062705.D

Acq: 31 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

TP-6

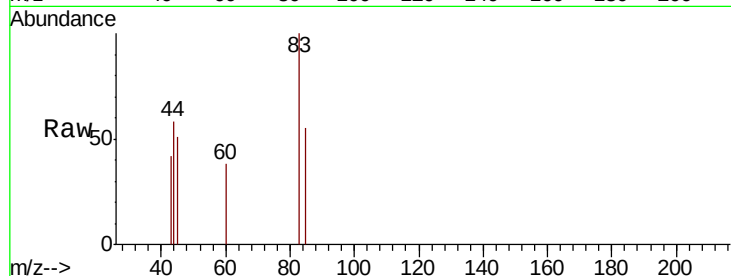
Tot Ion: 83 Resp: 618

Ion Ratio Lower Upper

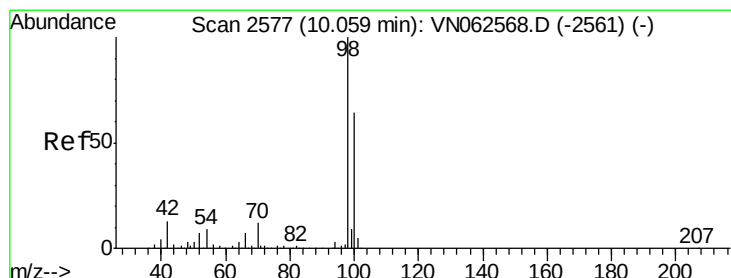
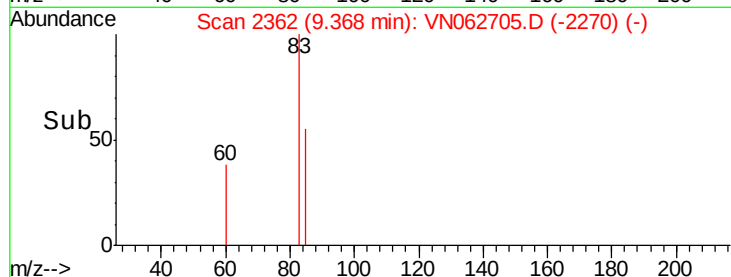
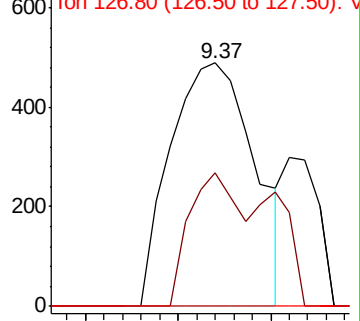
83 100

85 54.6 51.6 77.4

127 0.0 6.2 9.2#



Abundance Ion 82.90 (82.60 to 83.60): VN062705.D (-2270) (-)



#50

Toluene-d8

Concen: 50.272 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062705.D

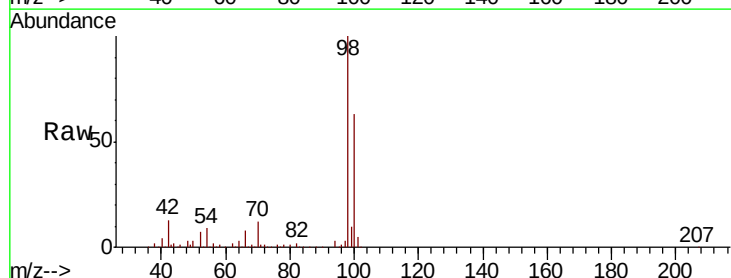
Acq: 31 Jul 2020 23:58

Tgt Ion: 98 Resp: 332775

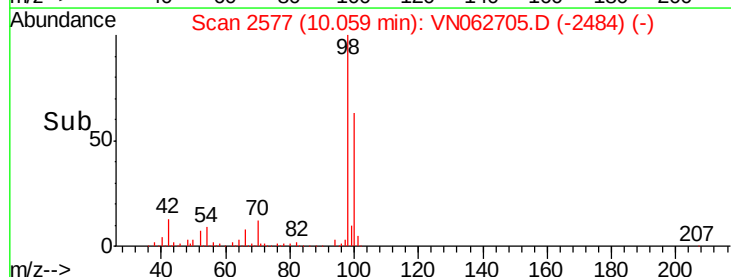
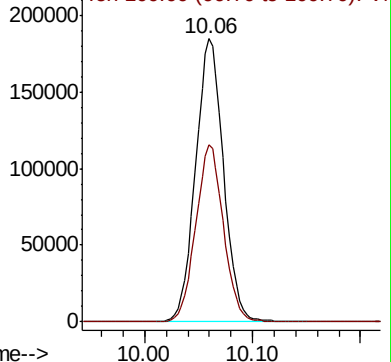
Ion Ratio Lower Upper

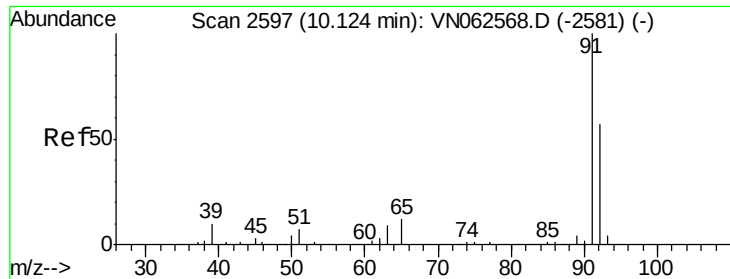
98 100

100 62.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062705.D (-2484) (-)





#52

Toluene

Concen: 0.786 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062705.D

Acq: 31 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

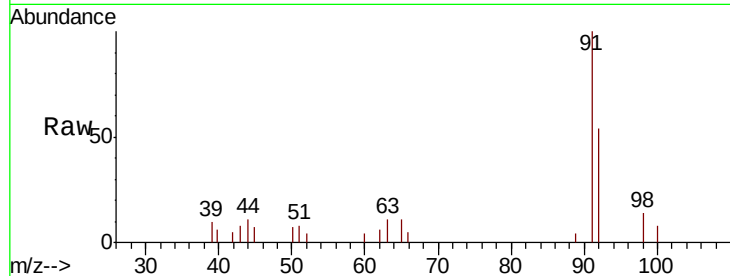
TP-6

Tot Ion: 92 Resp: 3721

Ion Ratio Lower Upper

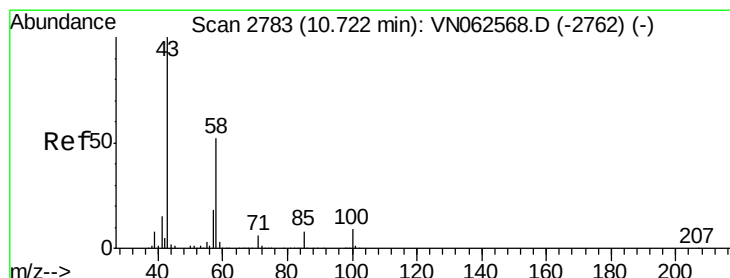
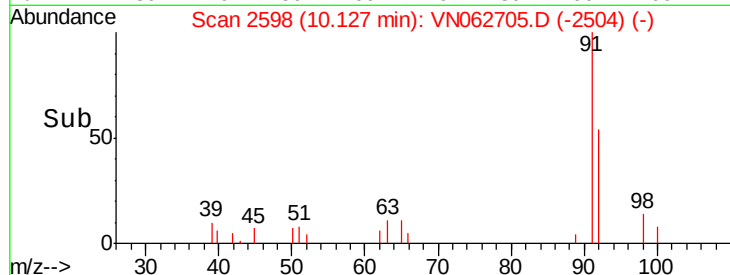
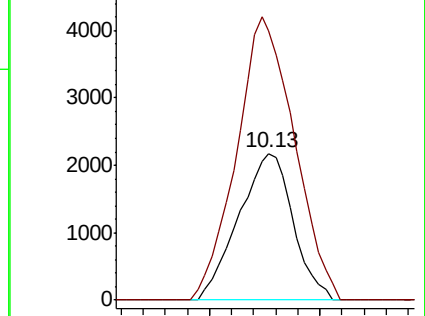
92 100

91 205.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#59

2-Hexanone

Concen: 3.007 ug/l

RT: 10.73 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VN062705.D

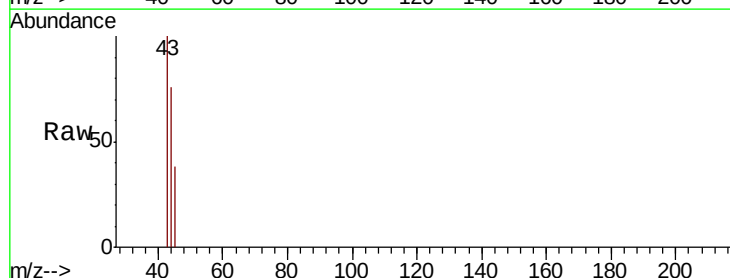
Acq: 31 Jul 2020 23:58

Tgt Ion: 43 Resp: 106

Ion Ratio Lower Upper

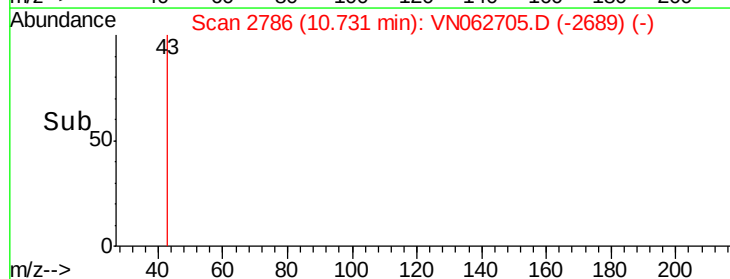
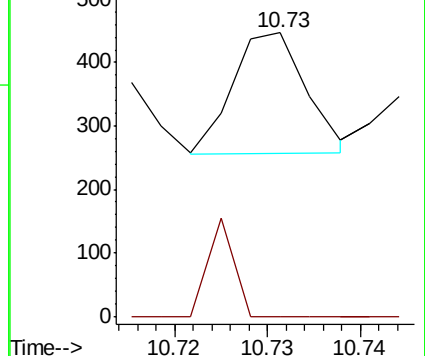
43 100

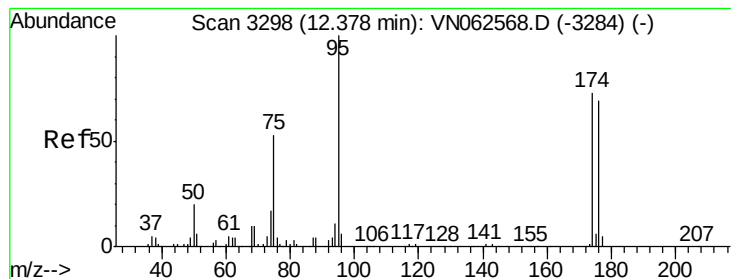
58 28.3 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 48.718 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062705.D

Acq: 31 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

TP-6

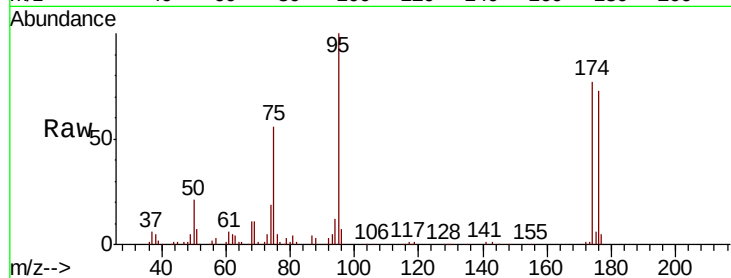
Tot Ion: 95 Resp: 117916

Ion Ratio Lower Upper

95 100

174 74.1 0.0 144.6

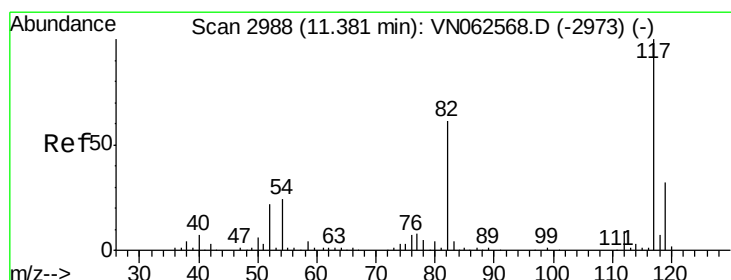
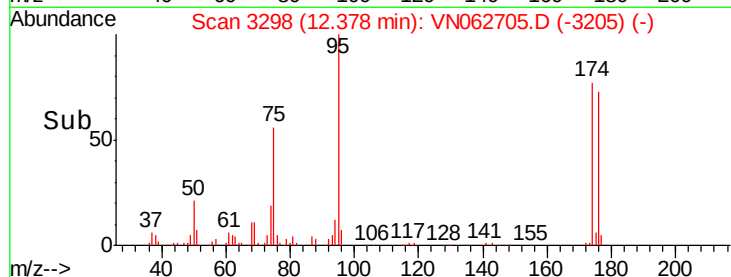
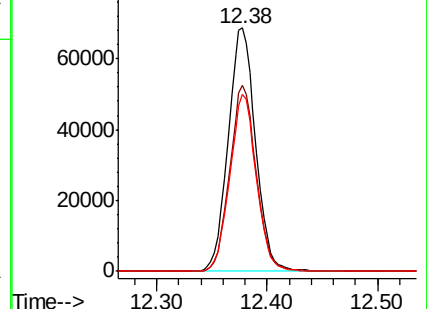
176 70.4 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062705.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062705.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062705.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062705.D

Acq: 31 Jul 2020 23:58

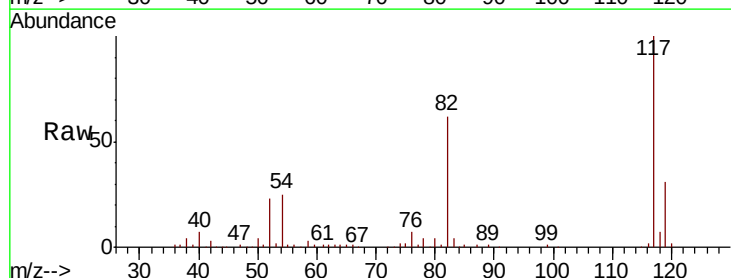
Tgt Ion: 117 Resp: 250228

Ion Ratio Lower Upper

117 100

82 61.6 49.0 73.6

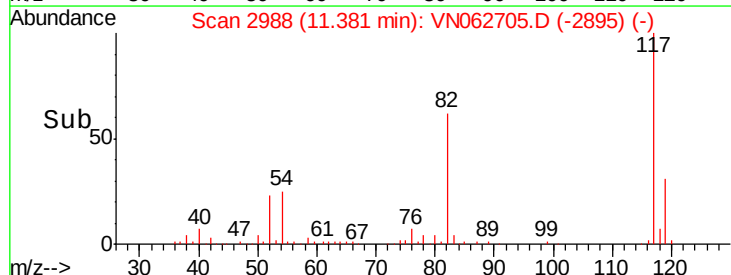
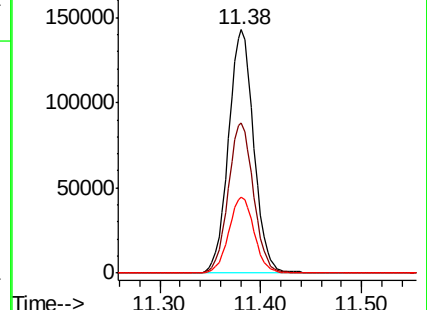
119 31.3 25.4 38.2

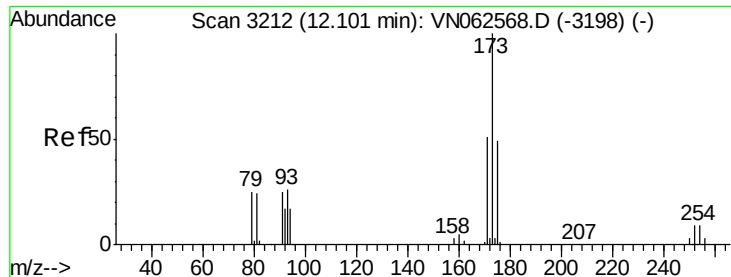


Abundance Ion 116.90 (116.60 to 117.60): VN062705.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062705.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062705.D (-2895) (-)





#71

Bromoform

Concen: 0.486 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062705.D

Acq: 31 Jul 2020 23:58

Instrument :

MSVOA_N

ClientSampled :

TP-6

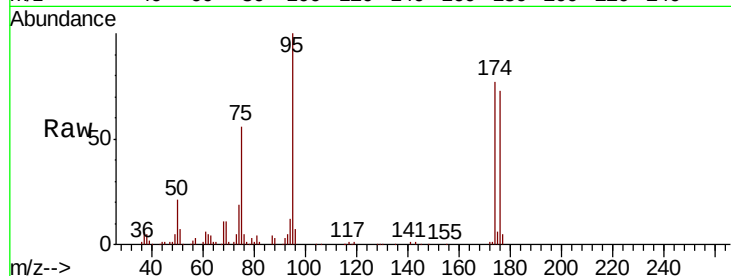
Tot Ion:173 Resp: 720

Ion Ratio Lower Upper

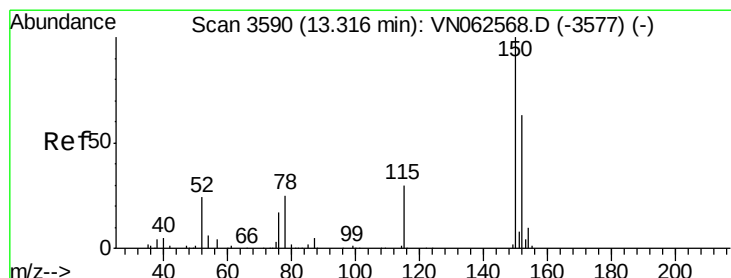
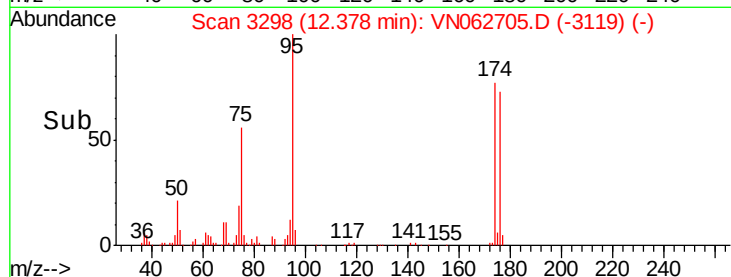
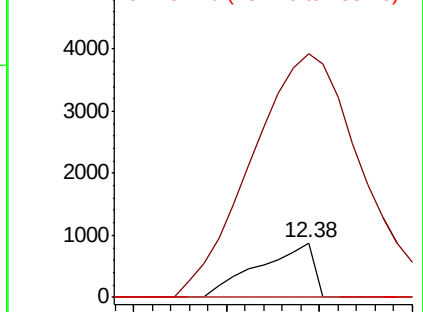
173 100

175 765.1 24.1 72.2#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN062705.D

Acq: 31 Jul 2020 23:58

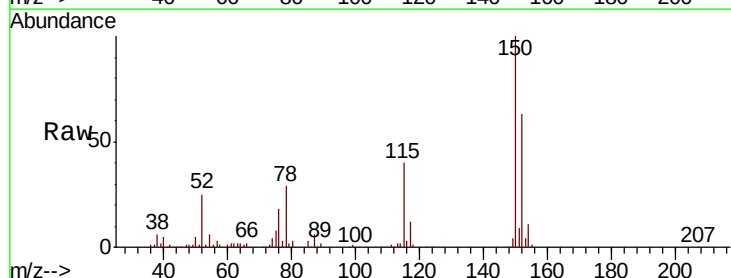
Tgt Ion:152 Resp: 88876

Ion Ratio Lower Upper

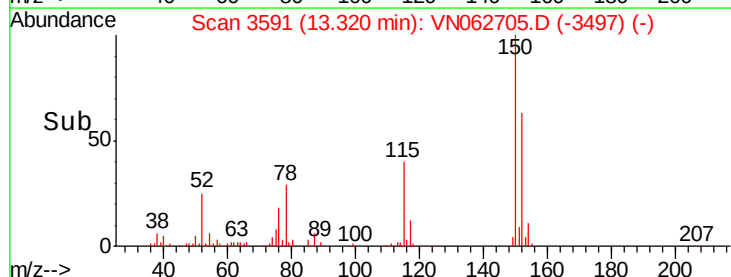
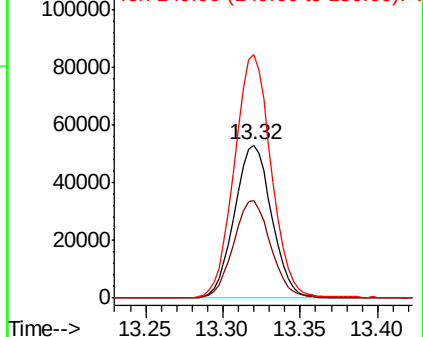
152 100

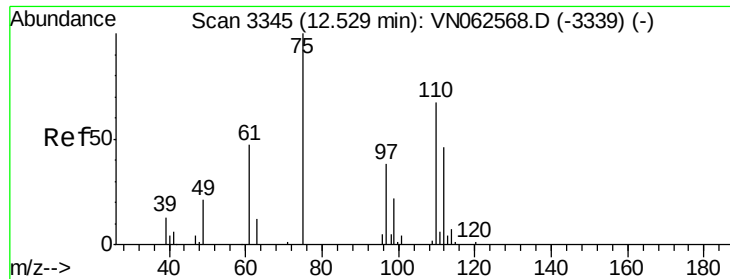
115 63.6 31.8 95.4

150 157.9 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

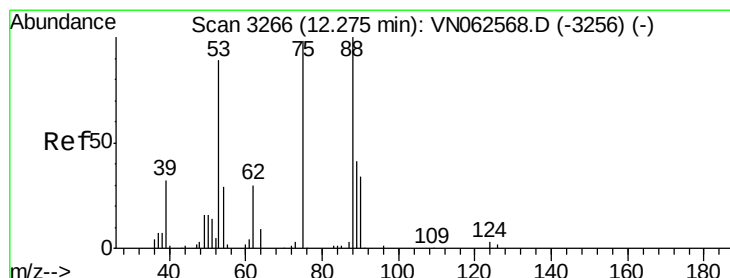
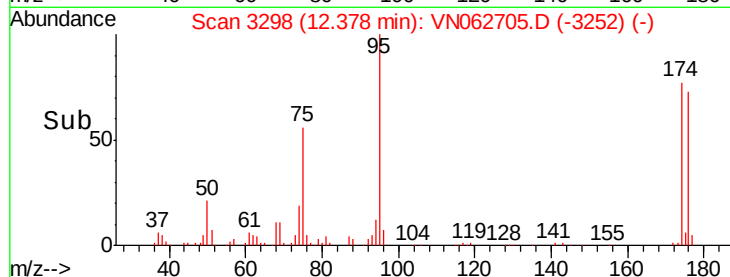
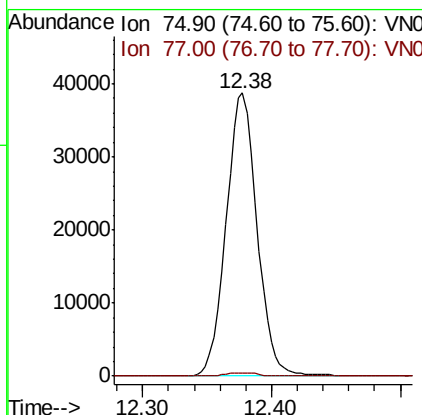
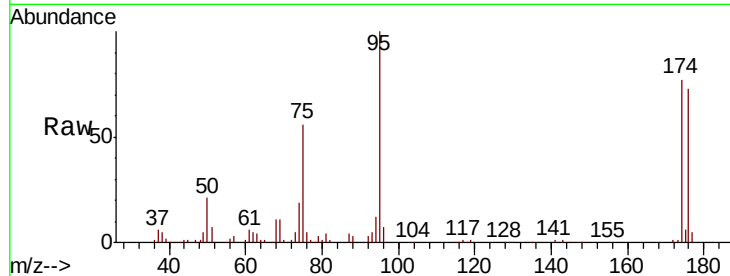




#76
 1,2,3-Trichloropropane
 Concen: 28.435 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062705.D
 Acq: 31 Jul 2020 23:58

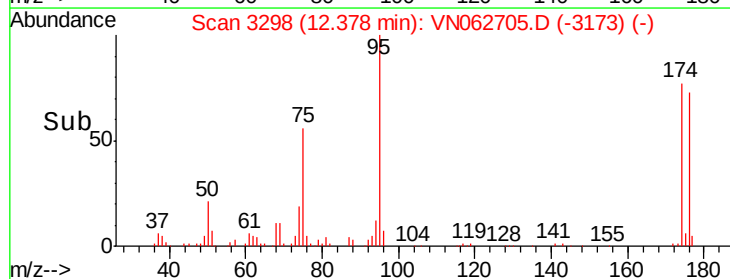
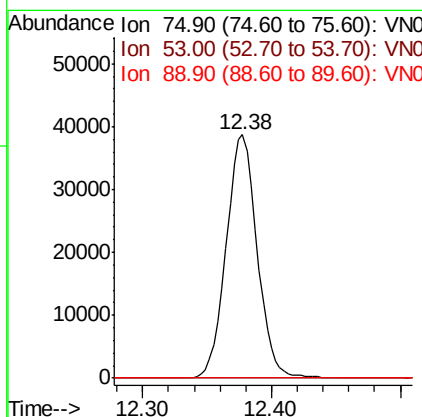
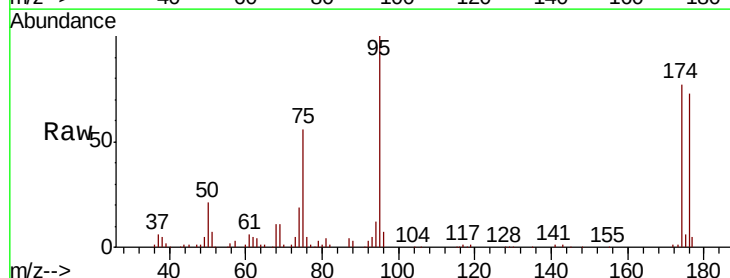
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

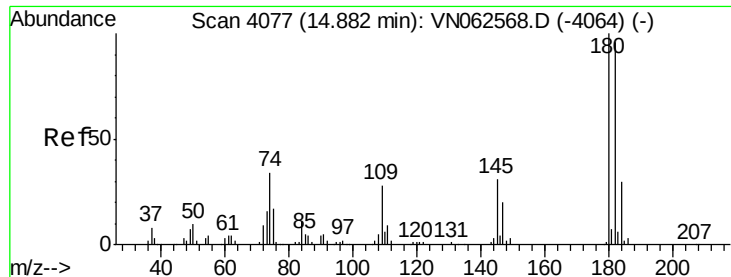
Tot Ion: 75 Resp: 64325
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.155 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062705.D
 Acq: 31 Jul 2020 23:58

Tgt Ion: 75 Resp: 64325
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

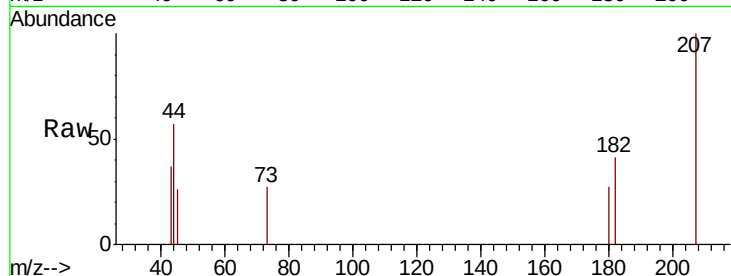




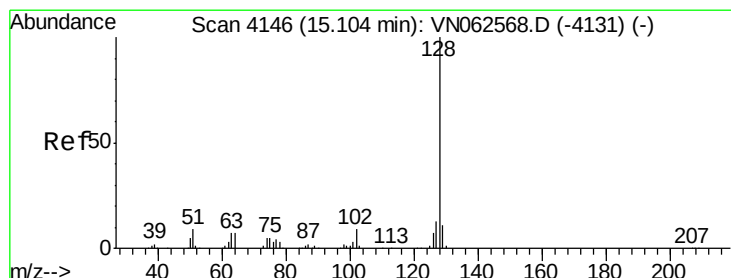
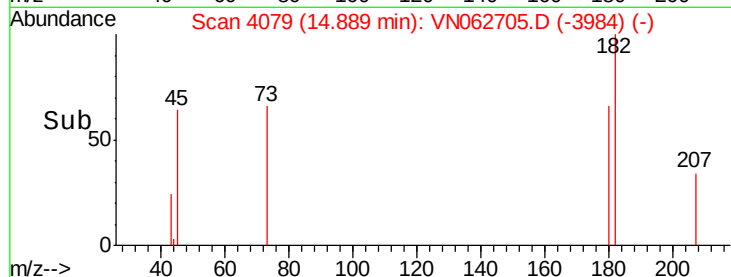
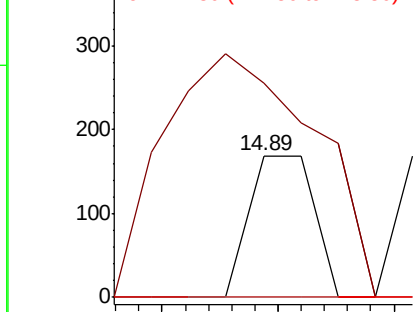
#93
 1,2,4-Trichlorobenzene
 Concen: 3.145 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN062705.D
 Acq: 31 Jul 2020 23:58

Instrument :
 MSVOA_N
 ClientSampled :
 TP-6

Tot Ion:180 Resp: 65
 Ion Ratio Lower Upper
 180 100
 182 403.1 47.8 143.3#
 145 0.0 15.3 45.9#

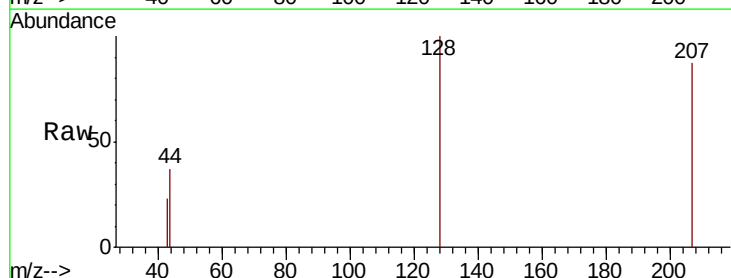


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 4.133 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN062705.D
 Acq: 31 Jul 2020 23:58

Tgt Ion:128 Resp: 1588
 Ion Ratio Lower Upper
 128 100
 127 1.9 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

