

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063562.D
 Acq On : 23 Sep 2020 4:03
 Operator : JC/MD
 Sample : L4101-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2-4FT

Quant Time: Sep 23 05:52:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	221996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	416650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	424955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177329	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	185662	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
35) Dibromofluoromethane	7.55	113	137310	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
50) Toluene-d8	10.06	98	537194	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.38	95	211587	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	

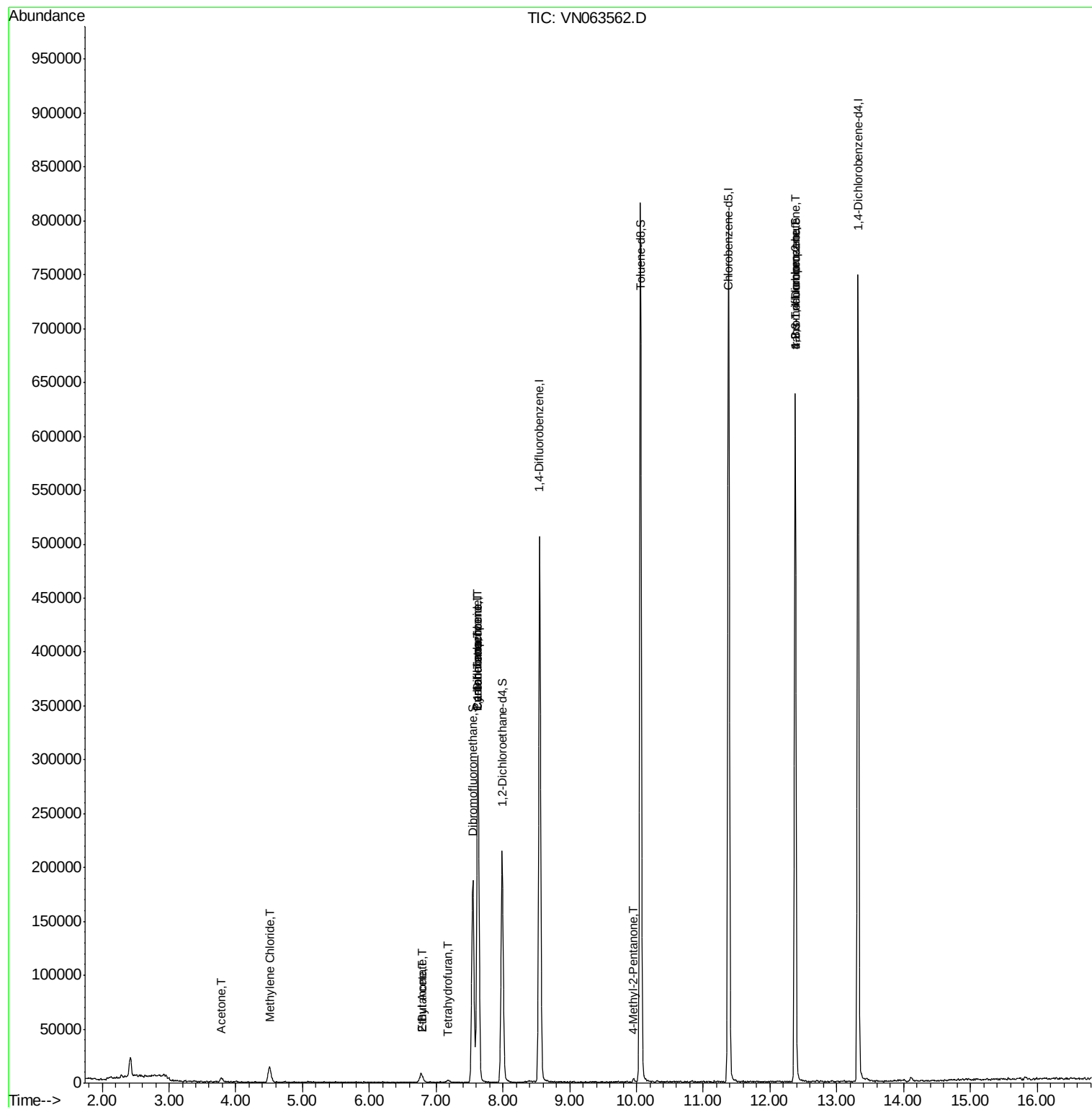
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	6631	5.460	ug/l	97
20) Methylene Chloride	4.50	84	5130	1.667	ug/l	94
25) 2-Butanone	6.80	43	2963	1.586	ug/l #	51
29) Tetrahydrofuran	7.17	42	1857	1.456	ug/l #	70
31) Cyclohexane	7.62	56	6412	1.229	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	21512	4.846	ug/l #	50
37) Ethyl Acetate	6.80	43	2963	0.680	ug/l #	76
38) Carbon Tetrachloride	7.62	117	24411	5.387	ug/l #	17
51) 4-Methyl-2-Pentanone	9.96	43	3143	0.721	ug/l #	57
76) 1,2,3-Trichloropropane	12.38	75	120107	27.365	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	120107	75.023	ug/l #	7

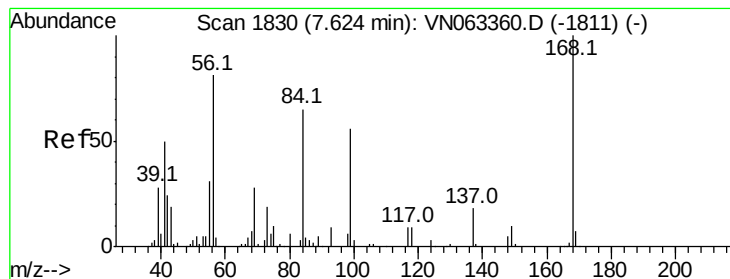
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063562.D

Acq: 23 Sep 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

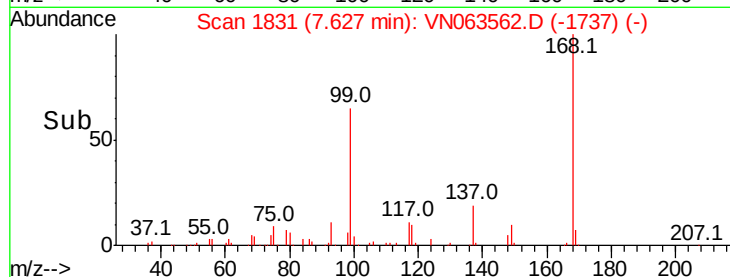
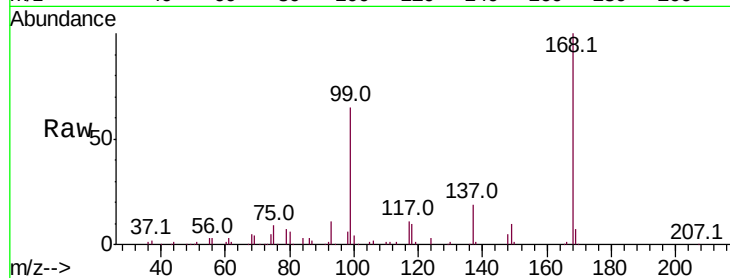
2-4FT

Tot Ion:168 Resp: 221996

Ion Ratio Lower Upper

168 100

99 65.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

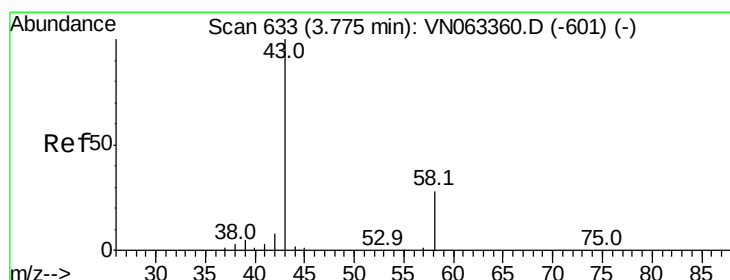
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 5.460 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063562.D

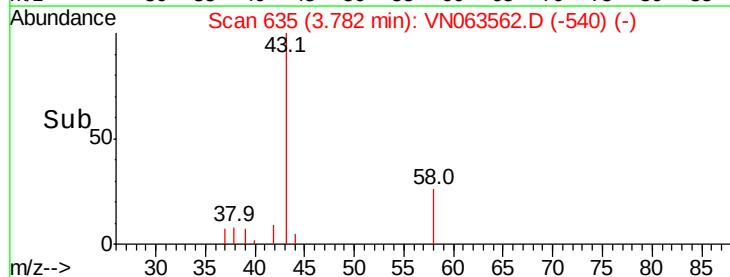
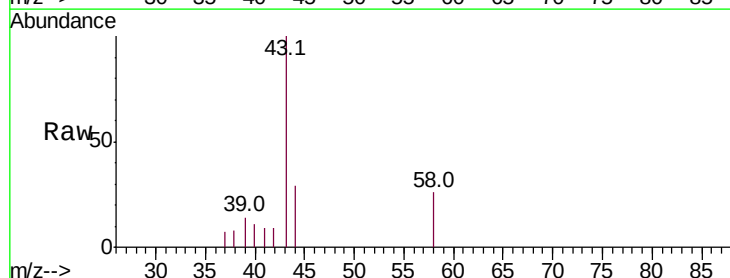
Acq: 23 Sep 2020 4:03

Tgt Ion: 43 Resp: 6631

Ion Ratio Lower Upper

43 100

58 26.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

2500

2000

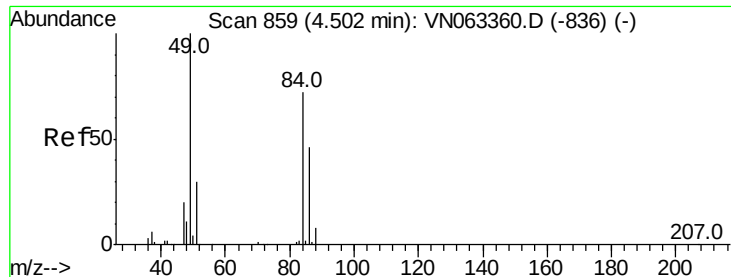
1500

1000

500

0

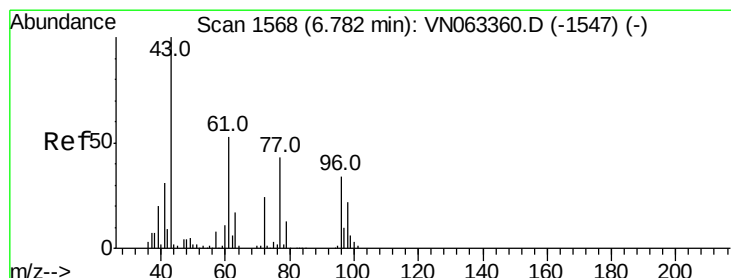
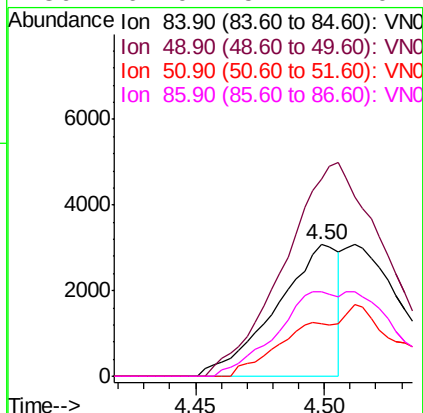
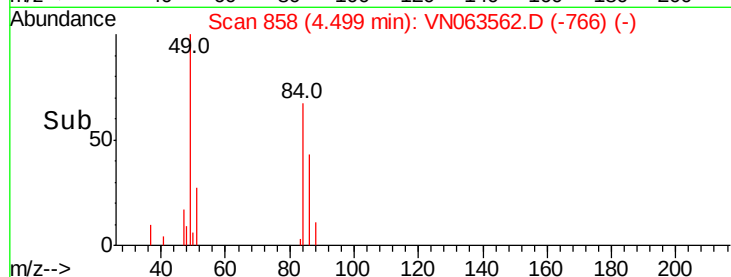
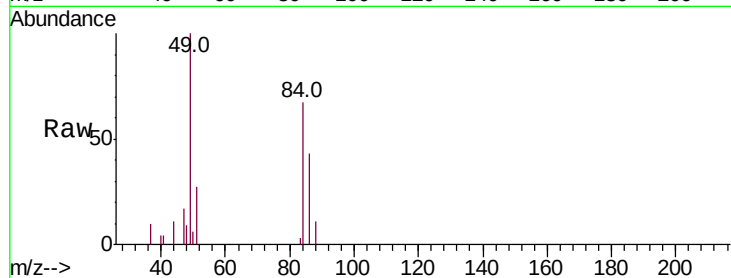
Time--> 3.70 3.75 3.80 3.85



#20
Methvlene Chloride
Concen: 1.667 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN063562.D
Acq: 23 Sep 2020 4:03

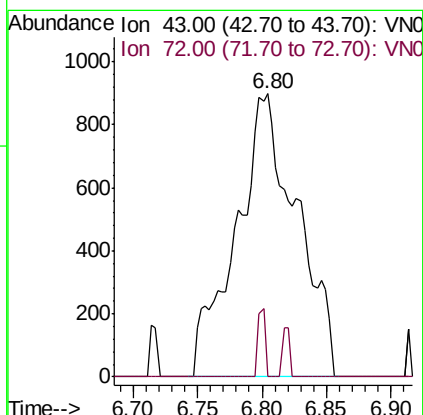
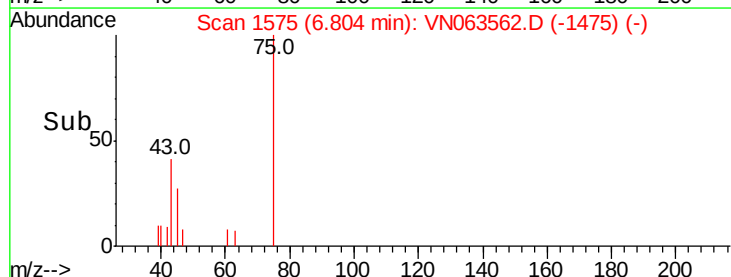
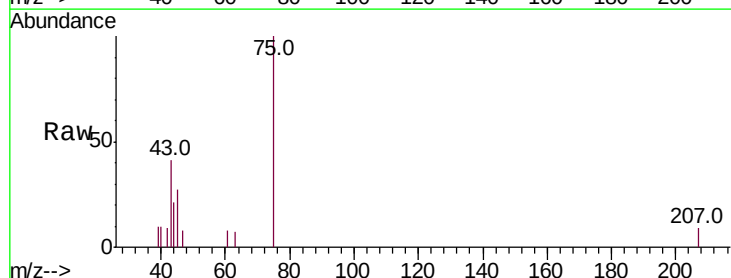
Instrument :
MSVOA_N
ClientSampled :
2-4FT

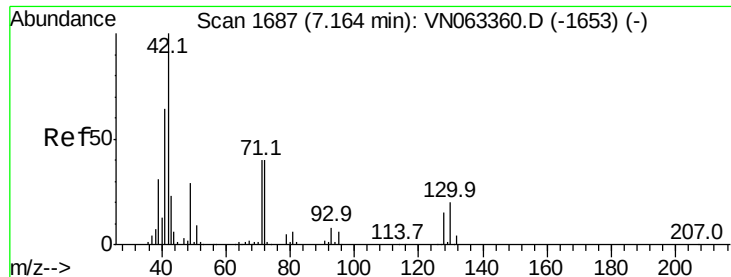
Tot Ion:	84	Resp:	5130
Ion	Ratio	Lower	Upper
84	100		
49	149.4	110.7	166.1
51	39.7	32.9	49.3
86	64.0	51.1	76.7



#25
2-Butanone
Concen: 1.586 ug/l
RT: 6.80 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN063562.D
Acq: 23 Sep 2020 4:03

Tgt Ion:	43	Resp:	2963
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.2	28.8#





#29

Tetrahydrofuran

Concen: 1.456 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN063562.D

Acq: 23 Sep 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

2-4FT

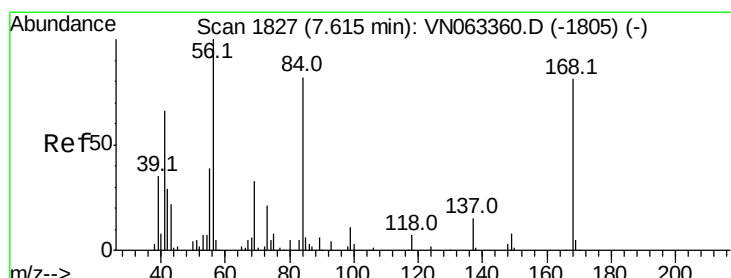
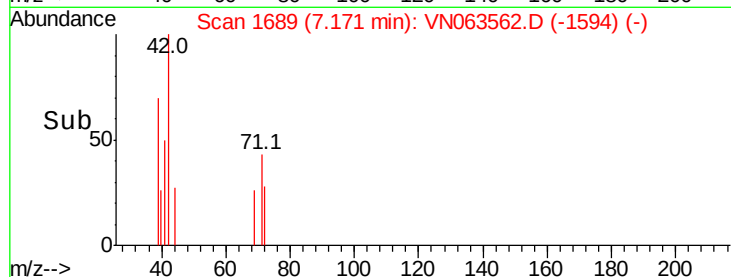
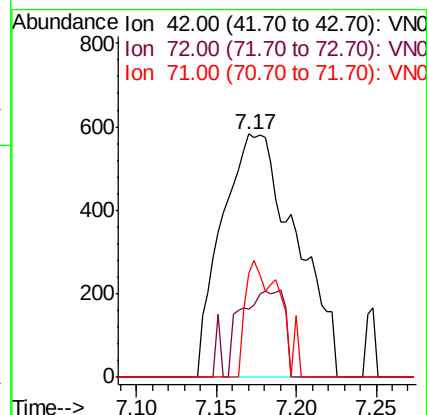
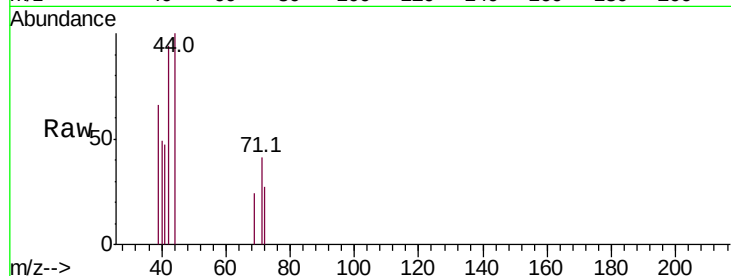
Tot Ion: 42 Resp: 1857

Ion Ratio Lower Upper

42 100

72 20.8 32.1 48.1#

71 21.9 31.2 46.8#



#31

Cyclohexane

Concen: 1.229 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063562.D

Acq: 23 Sep 2020 4:03

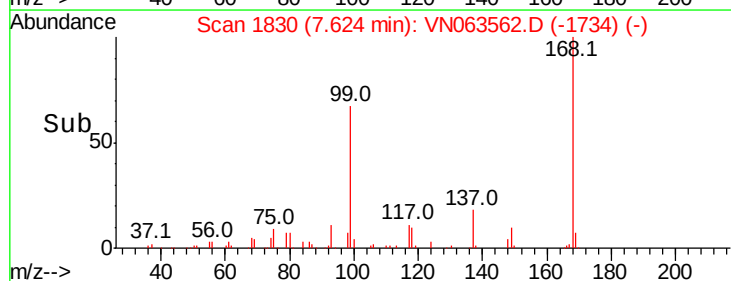
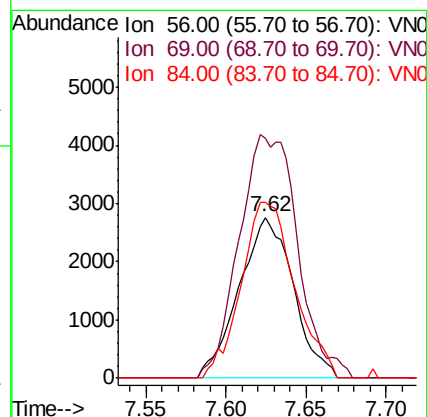
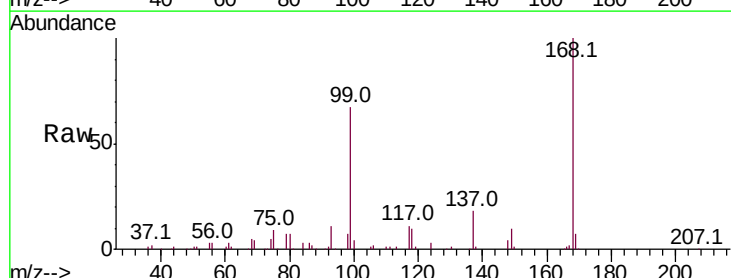
Tgt Ion: 56 Resp: 6412

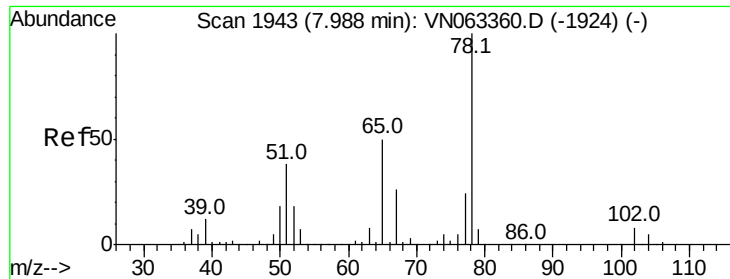
Ion Ratio Lower Upper

56 100

69 149.1 26.1 39.1#

84 109.6 65.4 98.2#

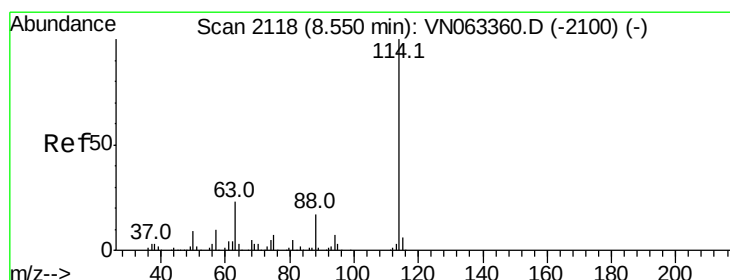
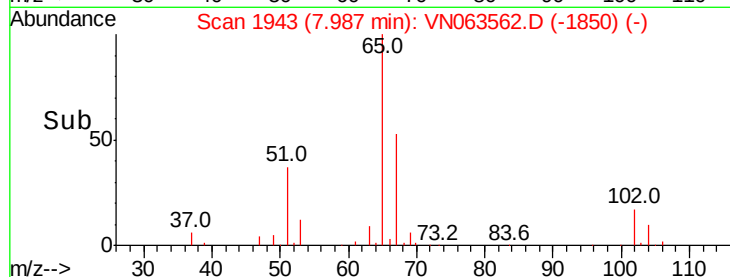
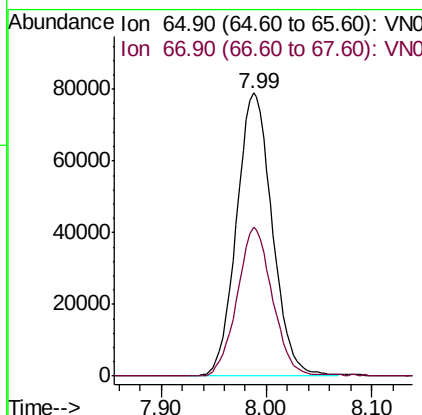
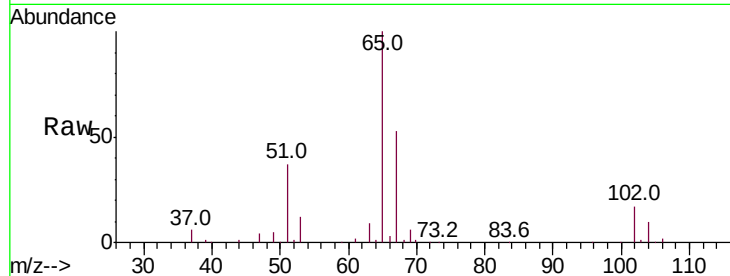




#33
 1,2-Dichloroethane-d4
 Concen: 49.130 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063562.D
 Acq: 23 Sep 2020 4:03

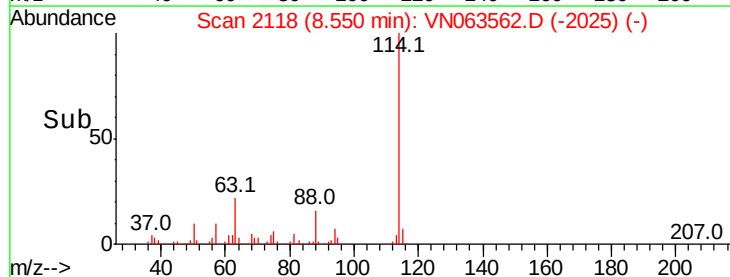
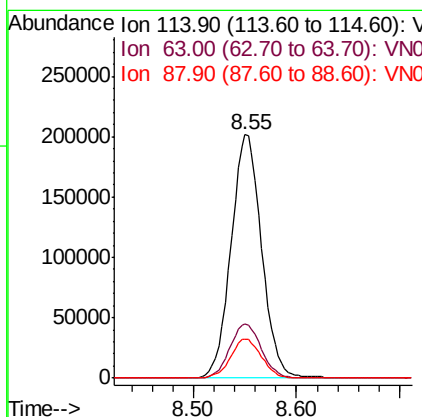
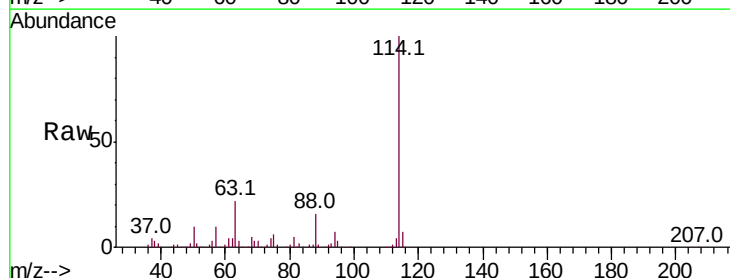
Instrument :
 MSVOA_N
 ClientSampled :
 2-4FT

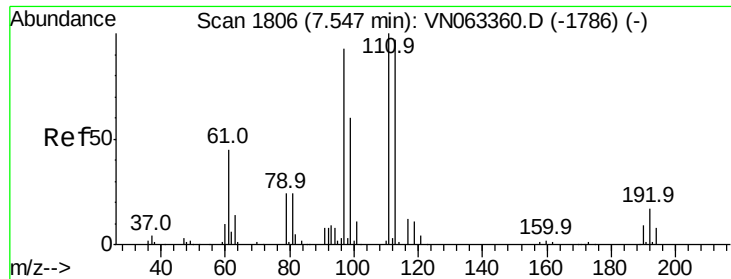
Tot Ion: 65 Resp: 185662
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063562.D
 Acq: 23 Sep 2020 4:03

Tgt Ion: 114 Resp: 416650
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 46.4
 88 16.2 0.0 33.2

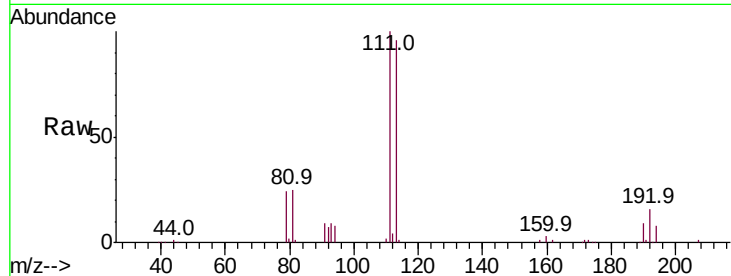




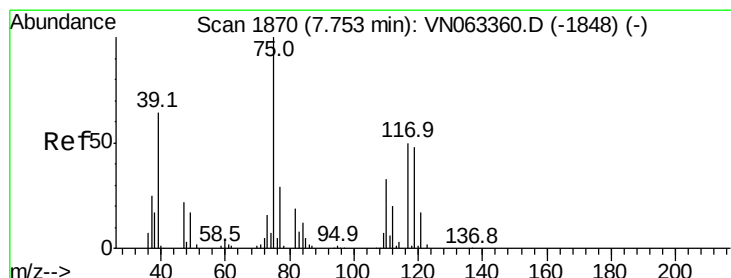
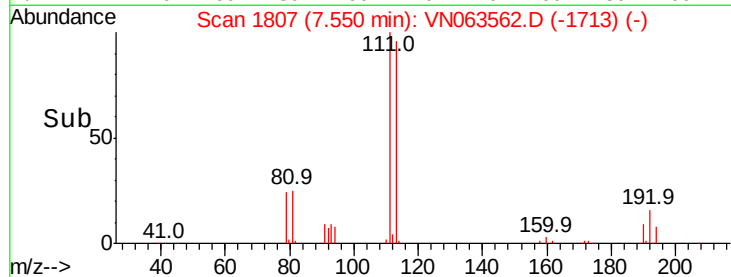
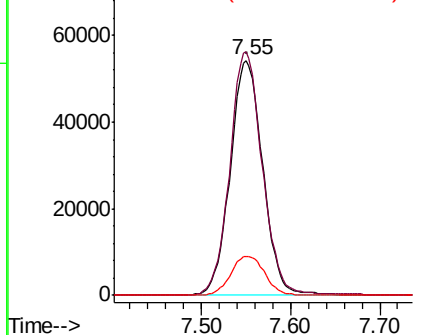
#35
 Dibromofluoromethane
 Concen: 47.605 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063562.D
 Acq: 23 Sep 2020 4:03

Instrument :
 MSVOA_N
 ClientSampleId :
 2-4FT

Tot Ion:113 Resp: 137310
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.9 124.3
 192 17.2 13.9 20.9

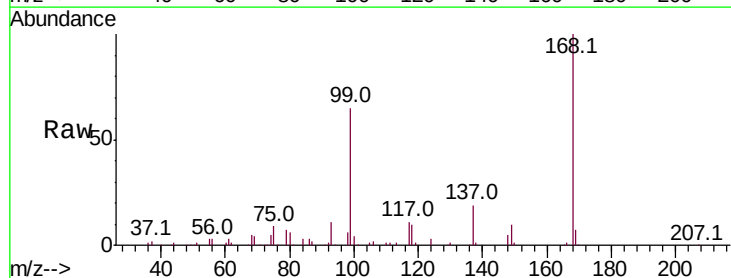


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

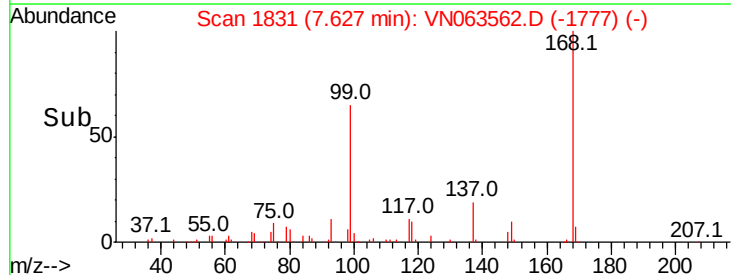
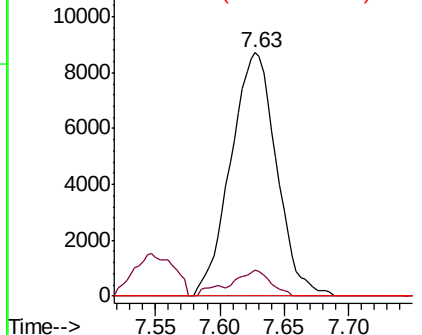


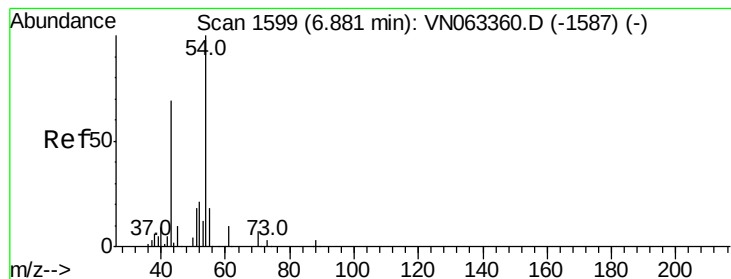
#36
 1,1-Dichloropropene
 Concen: 4.846 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063562.D
 Acq: 23 Sep 2020 4:03

Tgt Ion: 75 Resp: 21512
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.5 49.5#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 0.680 ug/l

RT: 6.80 min Scan# 1575

Delta R.T. -0.08 min

Lab File: VN063562.D

Acq: 23 Sep 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

2-4FT

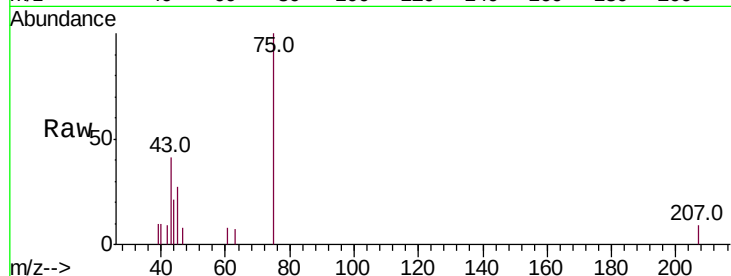
Tot Ion: 43 Resp: 2963

Ion Ratio Lower Upper

43 100

61 3.6 10.6 15.8#

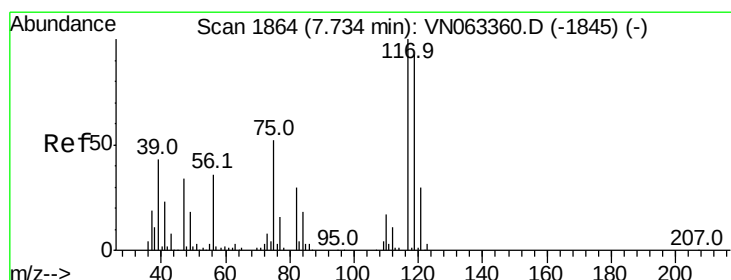
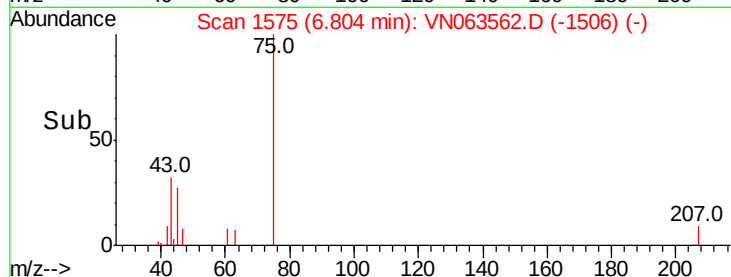
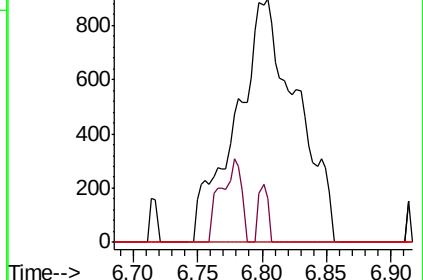
70 0.0 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN063360.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN063360.D (-1587) (-)



#38

Carbon Tetrachloride

Concen: 5.387 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063562.D

Acq: 23 Sep 2020 4:03

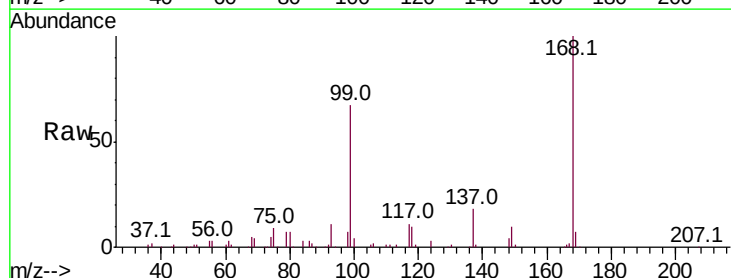
Tgt Ion: 117 Resp: 24411

Ion Ratio Lower Upper

117 100

119 5.2 74.5 111.7#

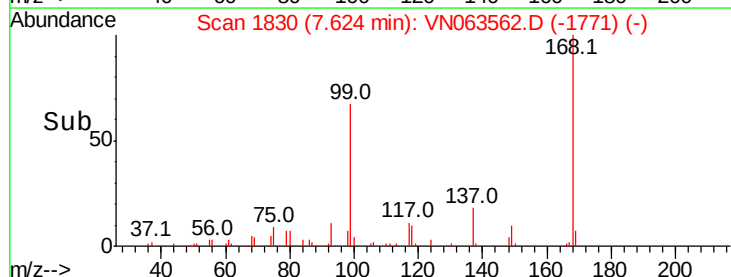
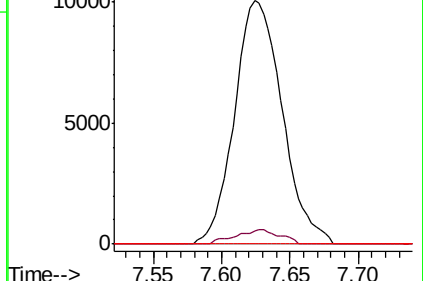
121 0.0 24.1 36.1#

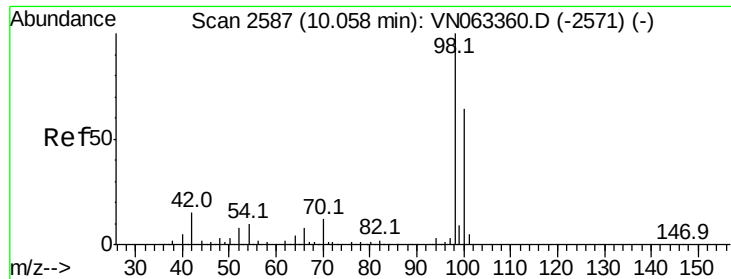


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN063360.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063360.D (-1845) (-)





#50

Toluene-d8

Concen: 49.530 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063562.D

Acq: 23 Sep 2020 4:03

Instrument :

MSVOA_N

ClientSampled :

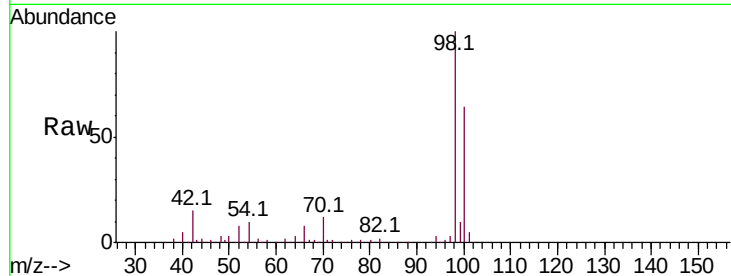
2-4FT

Tot Ion: 98 Resp: 537194

Ion Ratio Lower Upper

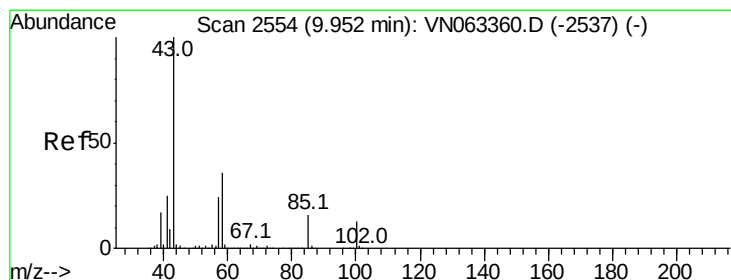
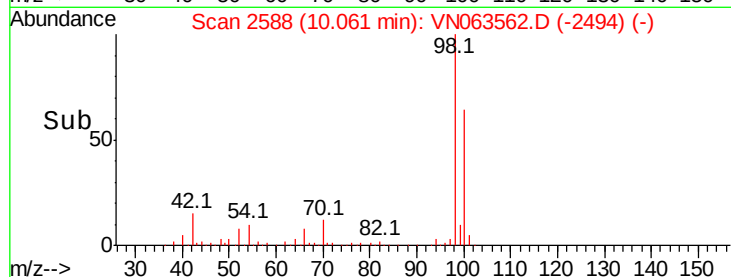
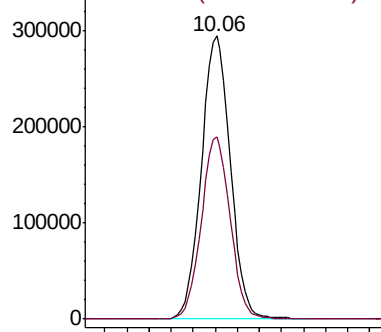
98 100

100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.721 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063562.D

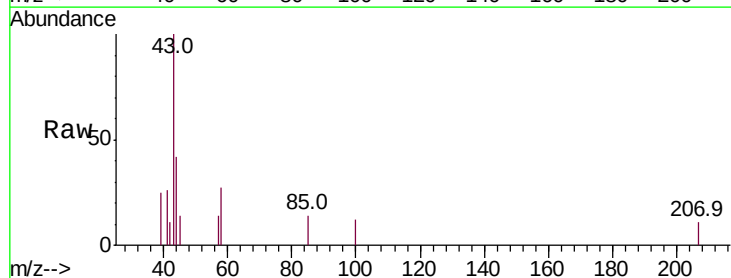
Acq: 23 Sep 2020 4:03

Tgt Ion: 43 Resp: 3143

Ion Ratio Lower Upper

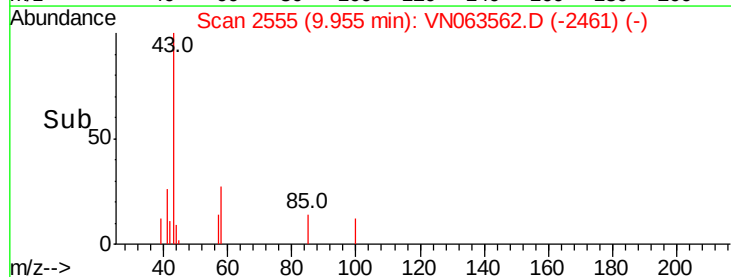
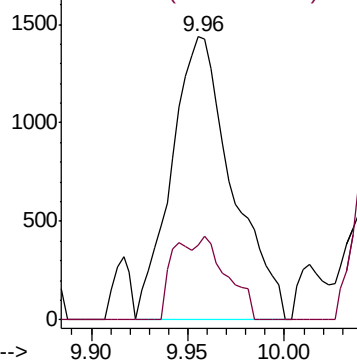
43 100

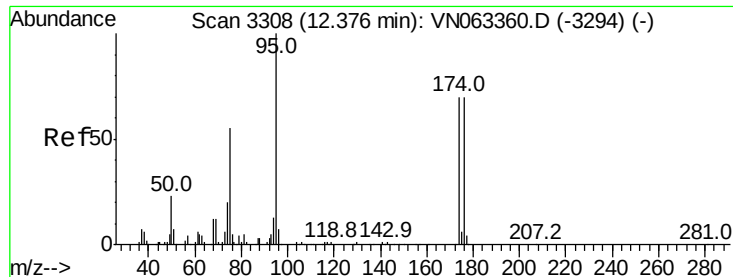
58 10.7 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

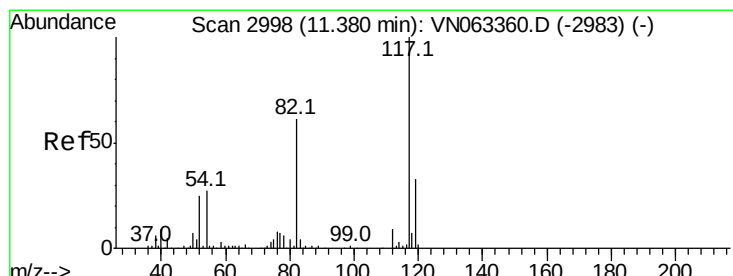
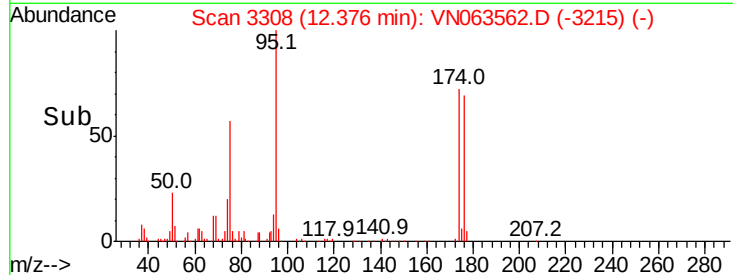
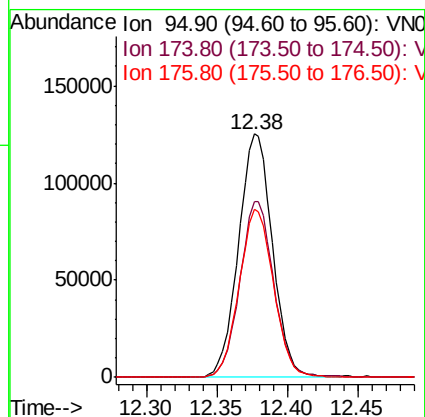
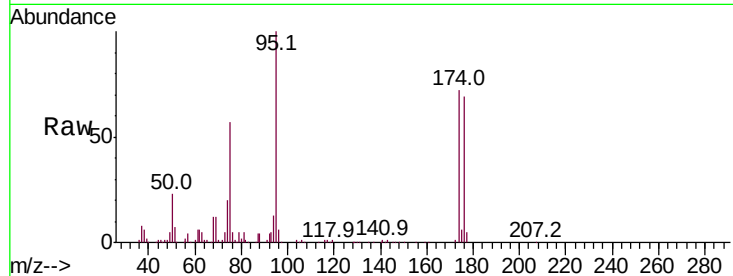




#62
4-Bromofluorobenzene
Concen: 53.218 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063562.D
Acq: 23 Sep 2020 4:03

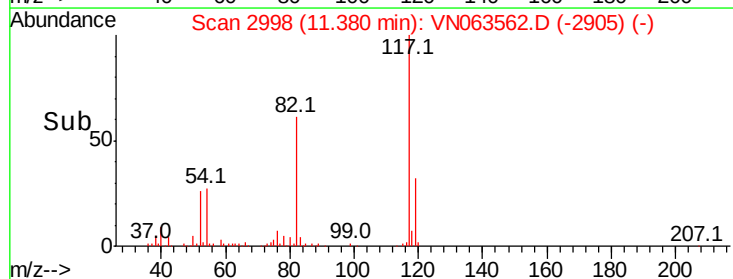
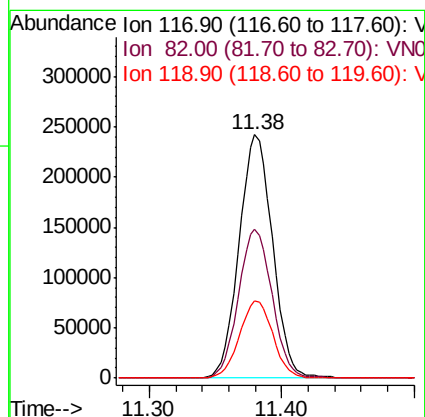
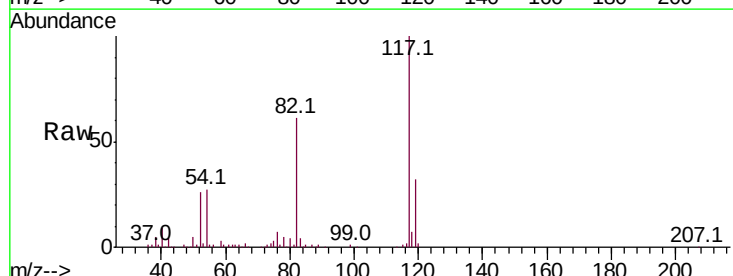
Instrument :
MSVOA_N
ClientSampleId :
2-4FT

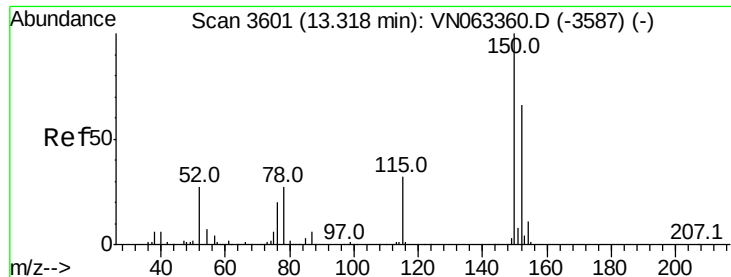
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	140.8
176	69.8	0.0	137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063562.D
Acq: 23 Sep 2020 4:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.0	49.2	73.8
119	31.8	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063562.D

Acq: 23 Sep 2020 4:03

Instrument :

MSVOA_N

ClientSampled :

2-4FT

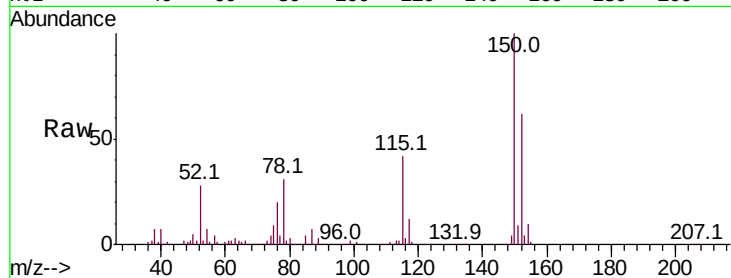
Tot Ion:152 Resp: 177329

Ion Ratio Lower Upper

152 100

115 65.4 32.2 96.6

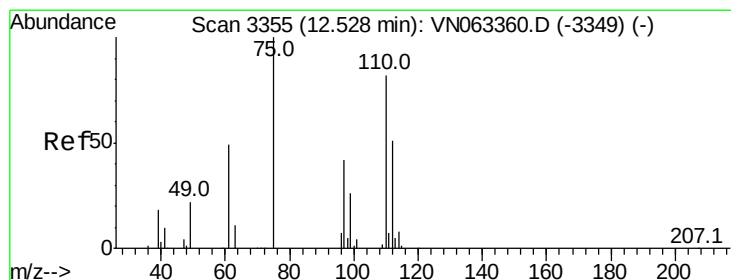
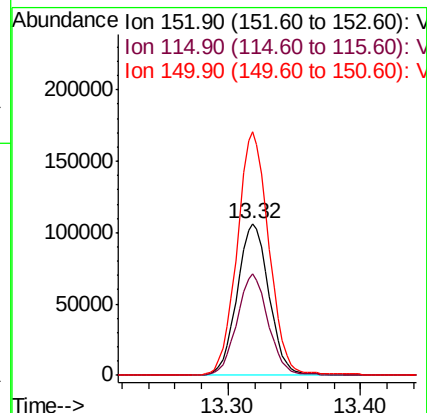
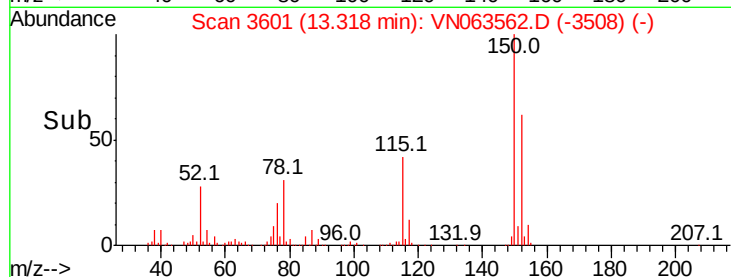
150 159.5 0.0 343.4



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: 27.365 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063562.D

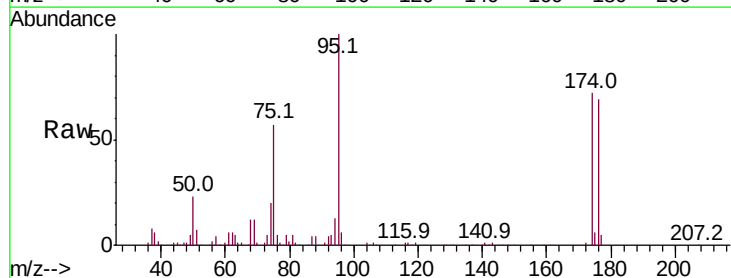
Acq: 23 Sep 2020 4:03

Tgt Ion: 75 Resp: 120107

Ion Ratio Lower Upper

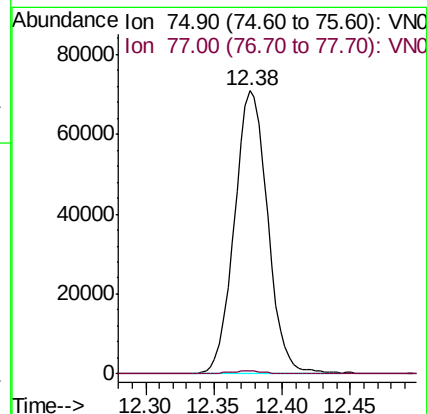
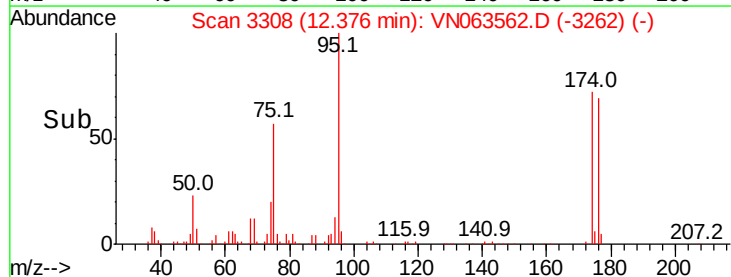
75 100

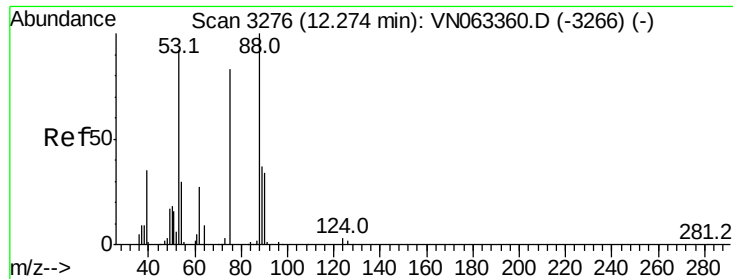
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 75.023 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063562.D

Acq: 23 Sep 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

2-4FT

Tot Ion: 75 Resp: 120107

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

