

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063712.D
 Acq On : 28 Sep 2020 17:57
 Operator : JC/MD
 Sample : L4178-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

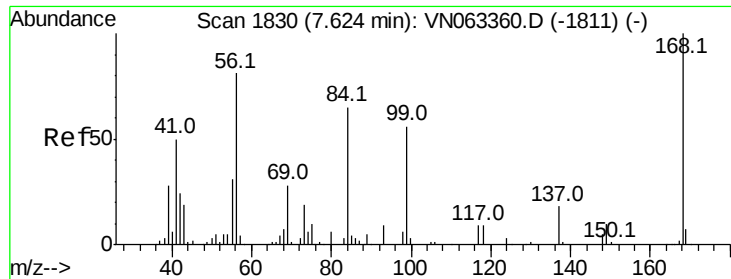
Quant Time: Sep 29 00:41:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	216623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	402234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	418591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	182472	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	190957	51.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.58%	
35) Dibromofluoromethane	7.55	113	135095	48.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.04%	
50) Toluene-d8	10.06	98	523457	49.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.38	95	205099	53.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	7853	6.626	ug/l #	89
17) Carbon Disulfide	4.01	76	4043	0.569	ug/l #	75
31) Cyclohexane	7.63	56	6443	1.265	ug/l #	37
36) 1,1-Dichloropropene	7.62	75	20103	4.691	ug/l #	51
38) Carbon Tetrachloride	7.63	117	25473	5.823	ug/l #	17
43) Isopropyl Acetate	8.32	43	15864	2.109	ug/l #	64
76) 1,2,3-Trichloropropane	12.38	75	119553	26.471	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119553	72.572	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

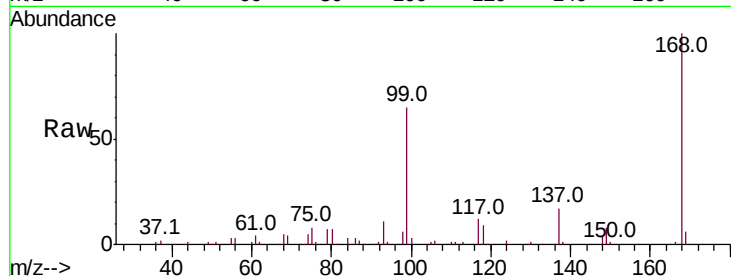
Instrument :
MSVOA_N
ClientSampled :
TP-1

Tot Ion:168 Resp: 216623

Ion Ratio Lower Upper

168 100

99 64.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

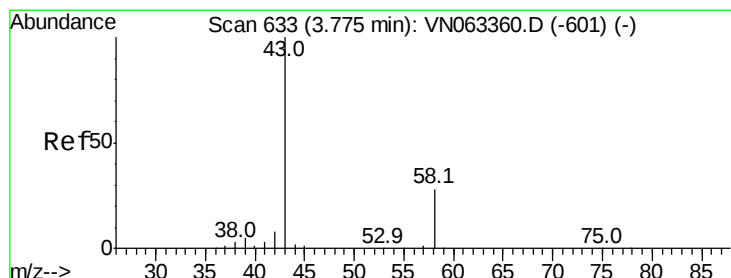
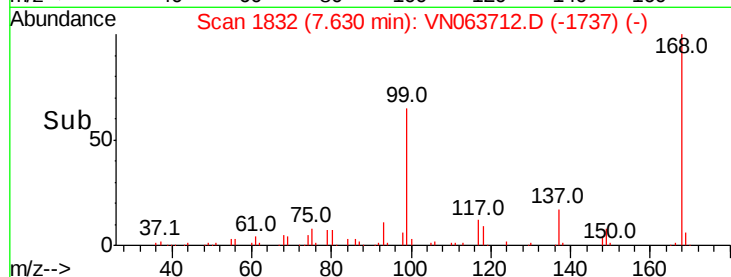
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 6.626 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063712.D

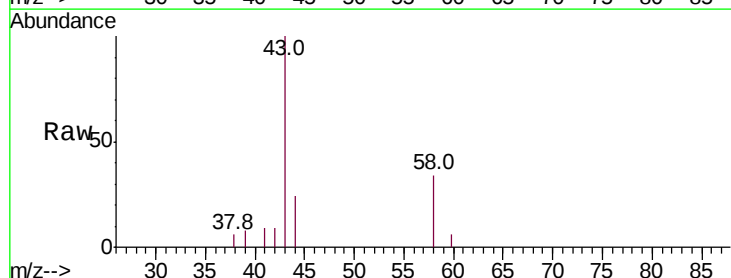
Acq: 28 Sep 2020 17:57

Tgt Ion: 43 Resp: 7853

Ion Ratio Lower Upper

43 100

58 33.9 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

3000

2500

2000

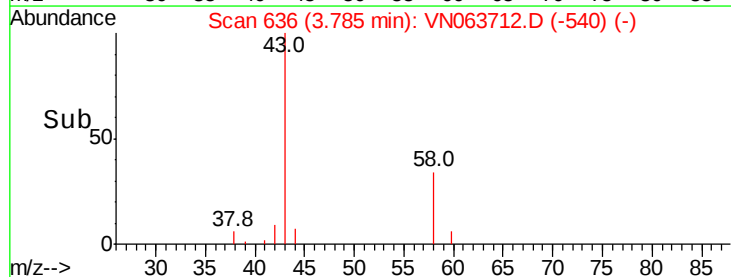
1500

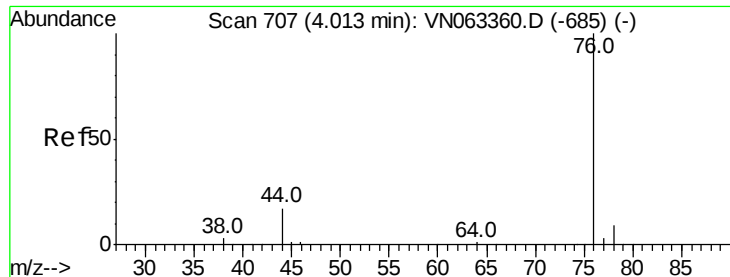
1000

500

0

Time--> 3.70 3.75 3.80 3.85





#17

Carbon Disulfide

Concen: 0.569 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

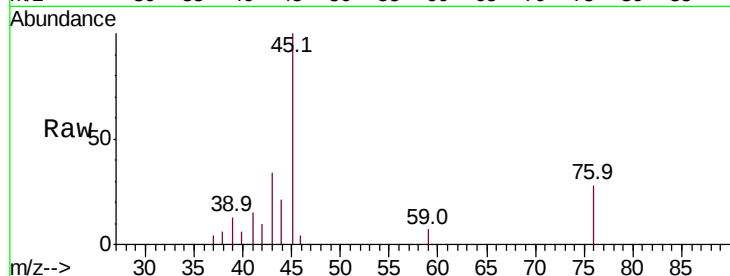
TP-1

Tot Ion: 76 Resp: 4043

Ion Ratio Lower Upper

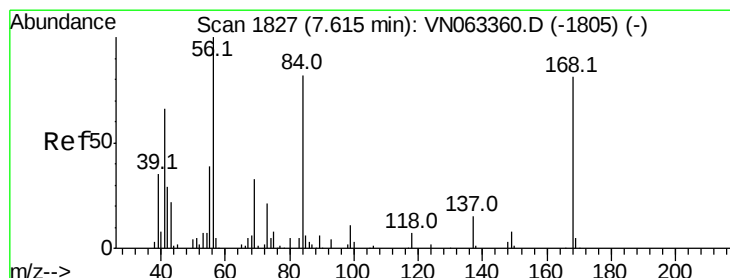
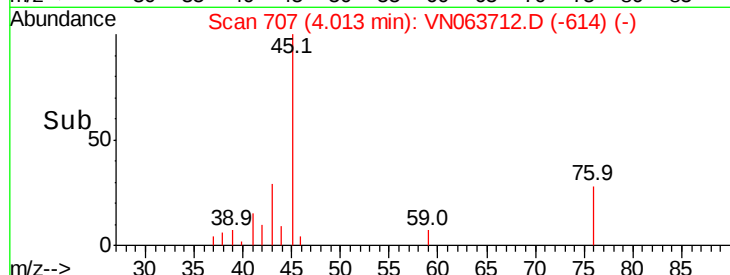
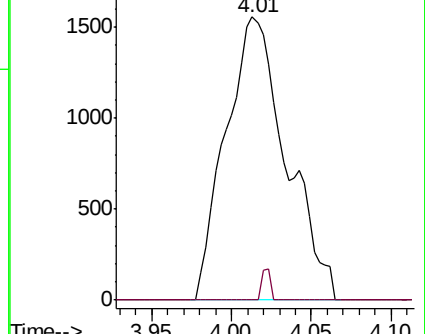
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#31

Cyclohexane

Concen: 1.265 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

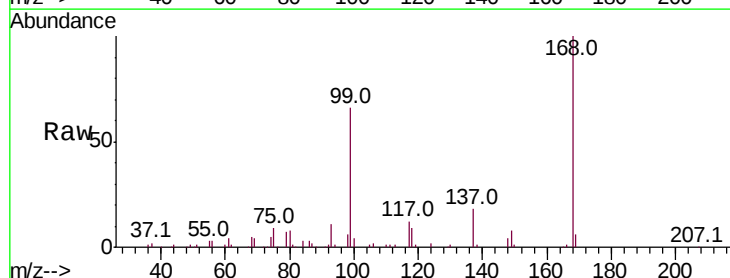
Tgt Ion: 56 Resp: 6443

Ion Ratio Lower Upper

56 100

69 135.2 26.1 39.1#

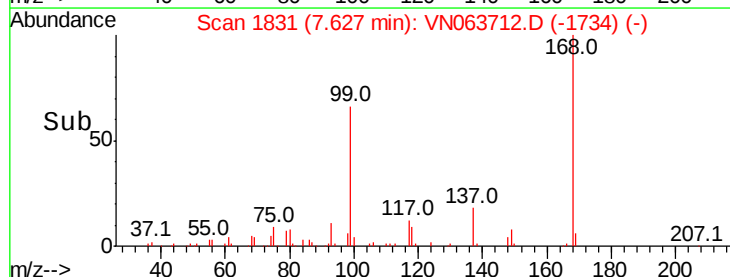
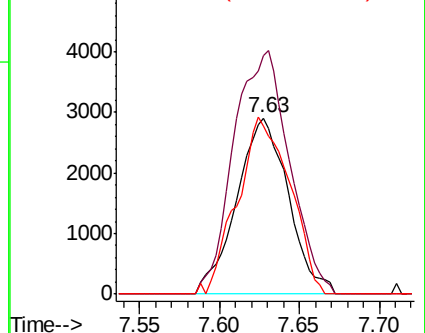
84 95.8 65.4 98.2

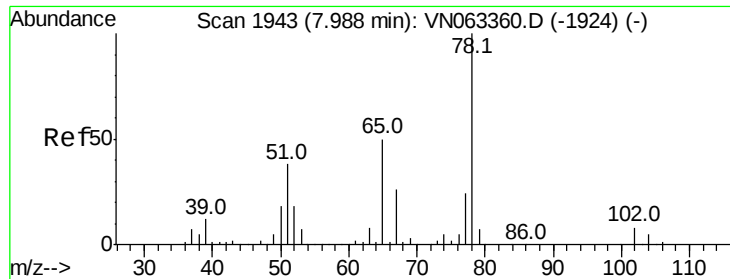


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.785 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

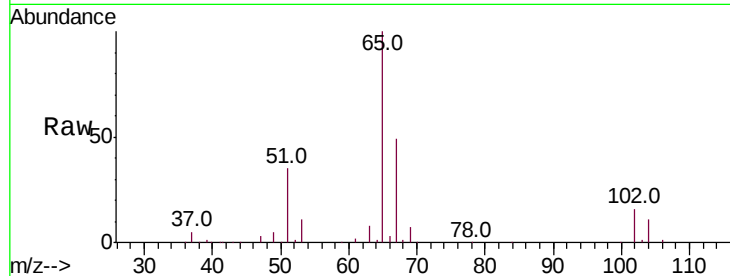
TP-1

Tot Ion: 65 Resp: 190957

Ion Ratio Lower Upper

65 100

67 48.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063712.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063712.D (-1924) (-)

7.99

80000

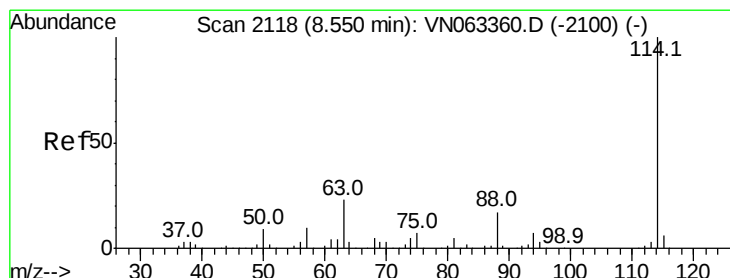
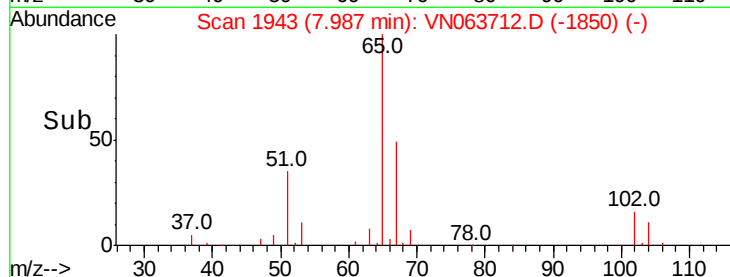
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

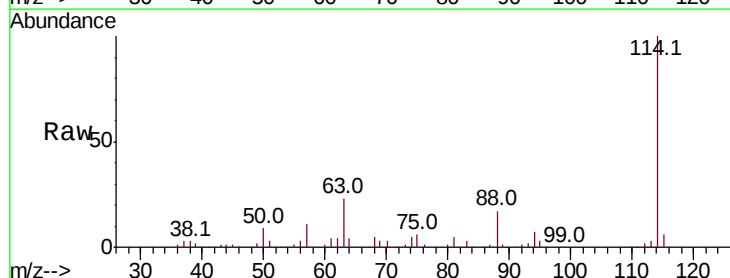
Tgt Ion:114 Resp: 402234

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.4

88 16.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VN063712.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063712.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063712.D (-2100) (-)

8.55

250000

200000

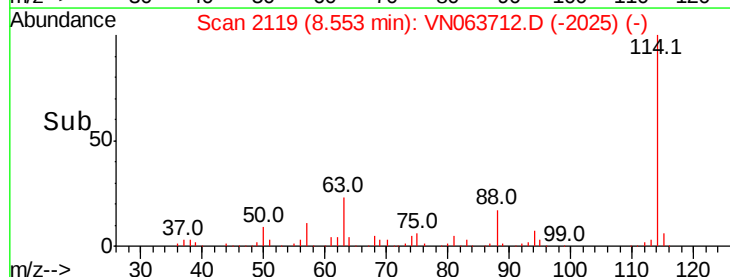
150000

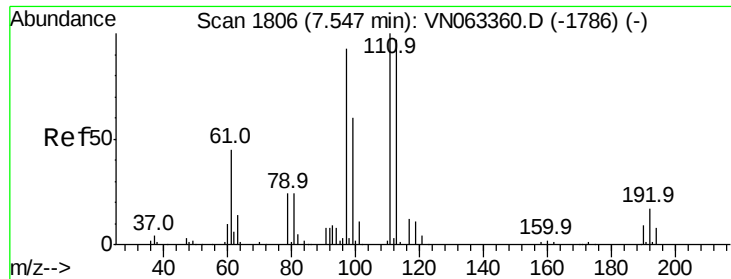
100000

50000

0

Time-->

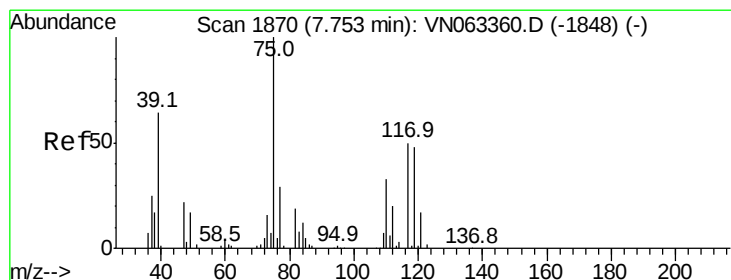
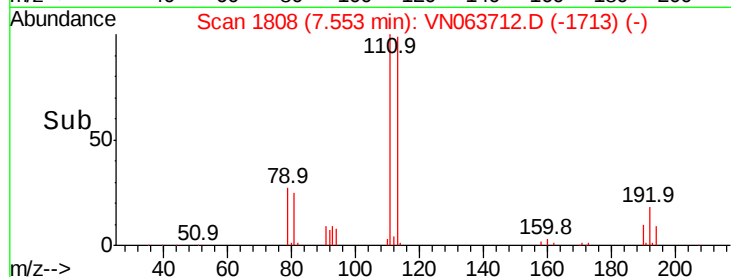
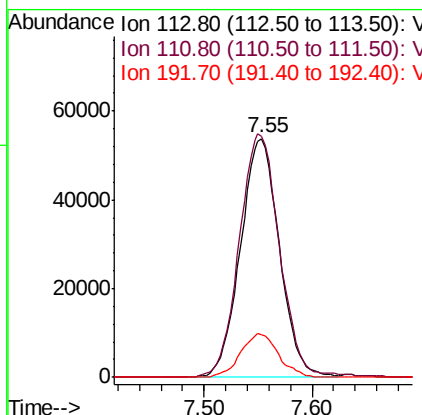
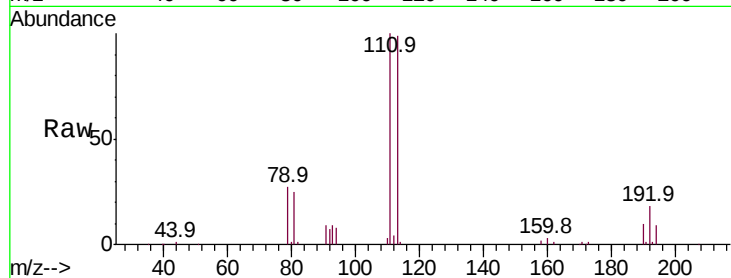




#35
Dibromofluoromethane
Concen: 48.515 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN063712.D
Acq: 28 Sep 2020 17:57

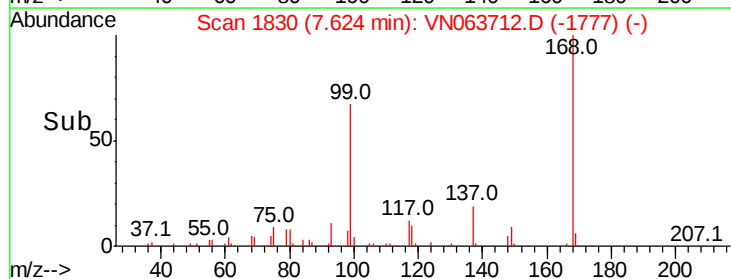
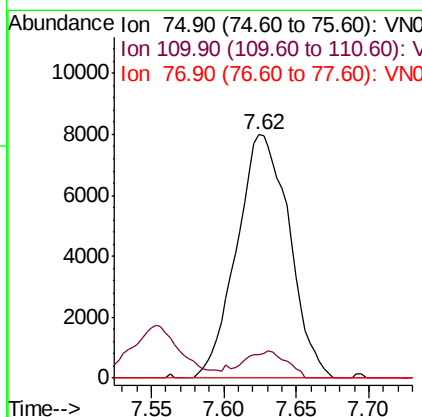
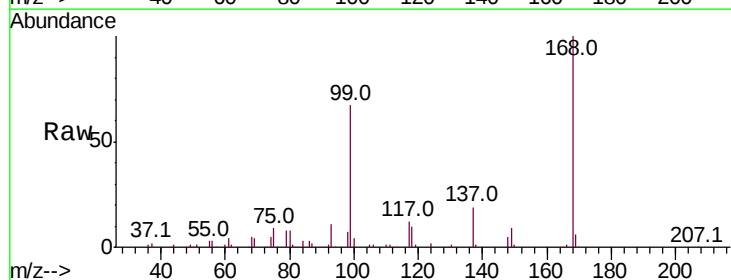
Instrument :
MSVOA_N
ClientSampled :
TP-1

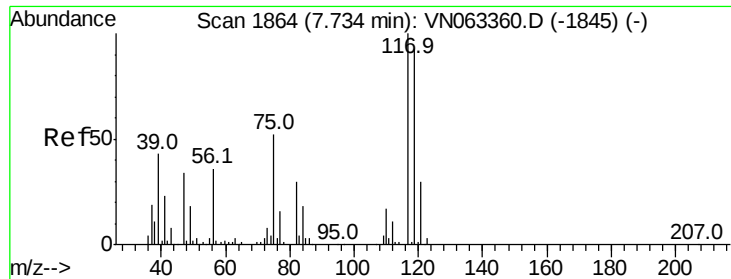
Tot Ion:113 Resp: 135095
Ion Ratio Lower Upper
113 100
111 105.8 82.9 124.3
192 17.7 13.9 20.9



#36
1,1-Dichloropropene
Concen: 4.691 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN063712.D
Acq: 28 Sep 2020 17:57

Tgt Ion: 75 Resp: 20103
Ion Ratio Lower Upper
75 100
110 8.7 16.5 49.5#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.823 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

Instrument :

MSVOA_N

ClientSampled :

TP-1

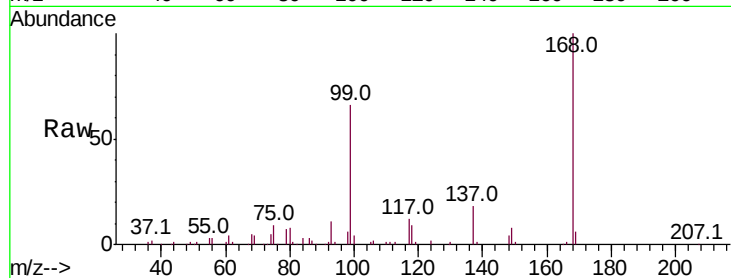
Tot Ion:117 Resp: 25473

Ion Ratio Lower Upper

117 100

119 4.4 74.5 111.7#

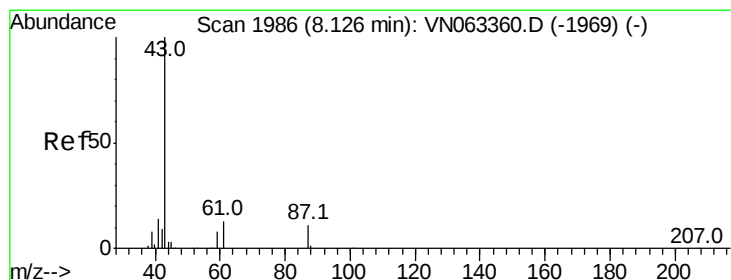
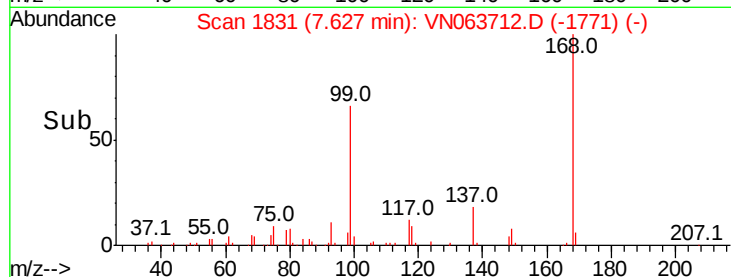
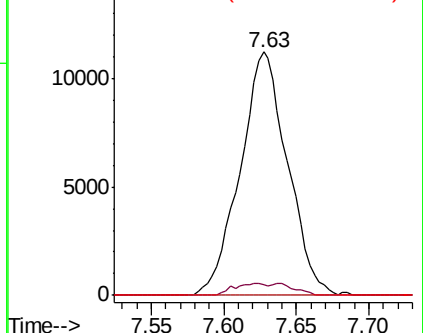
121 0.0 24.1 36.1#



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: 2.109 ug/l

RT: 8.32 min Scan# 2045

Delta R.T. 0.19 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

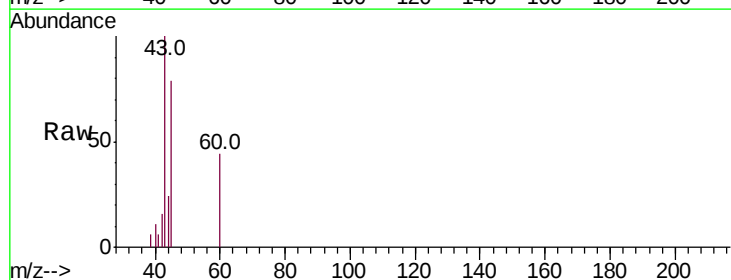
Tgt Ion: 43 Resp: 15864

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.2#

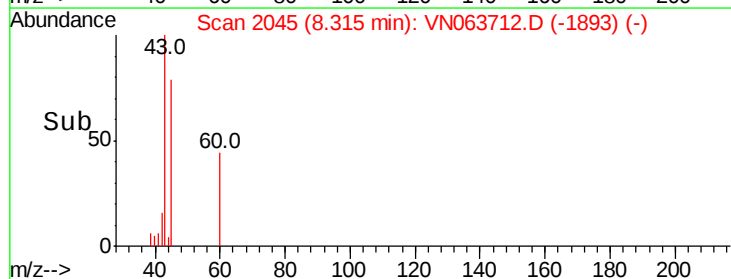
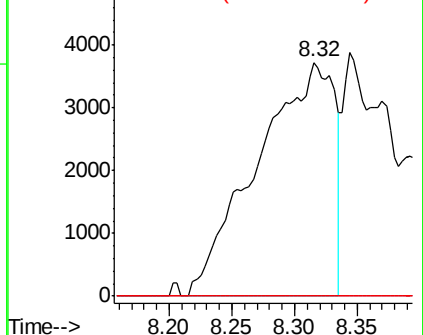
87 0.0 9.0 13.6#

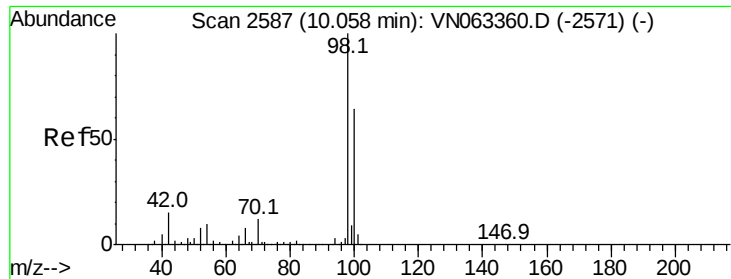


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.993 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

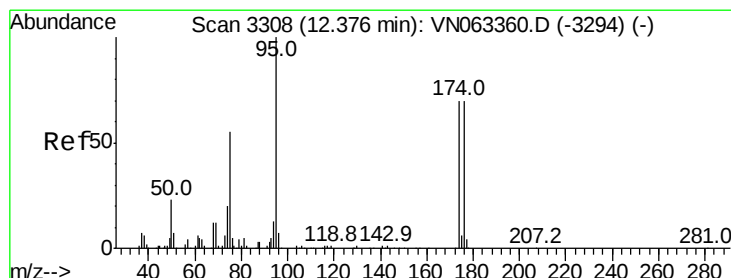
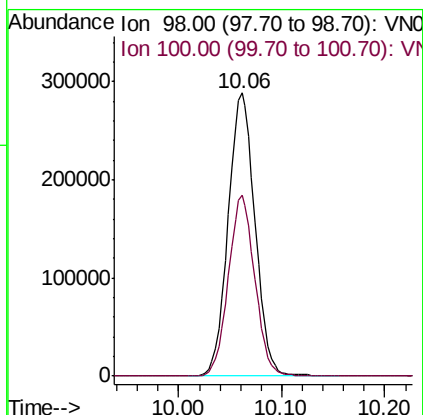
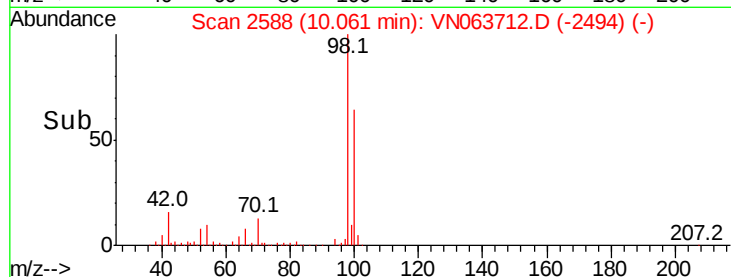
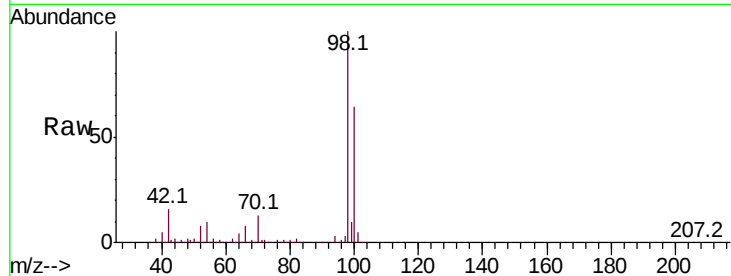
TP-1

Tot Ion: 98 Resp: 523457

Ion Ratio Lower Upper

98 100

100 62.9 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 53.435 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

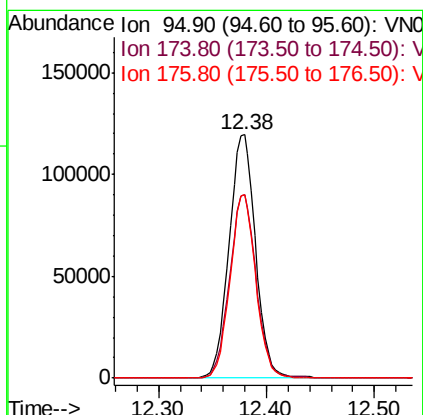
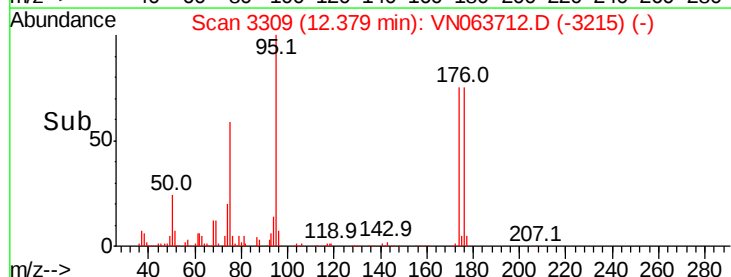
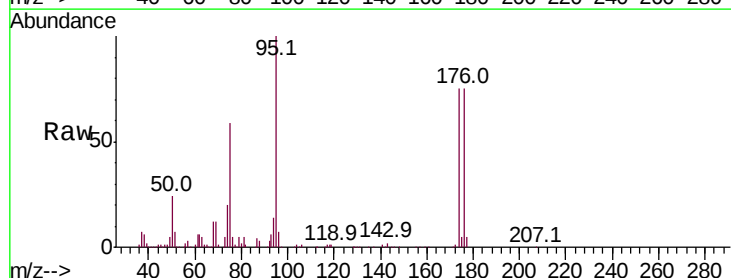
Tgt Ion: 95 Resp: 205099

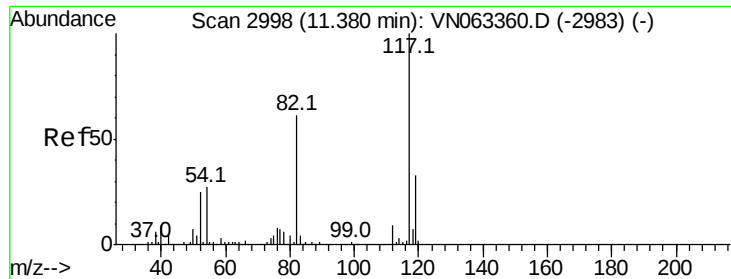
Ion Ratio Lower Upper

95 100

174 75.5 0.0 140.8

176 72.8 0.0 137.6

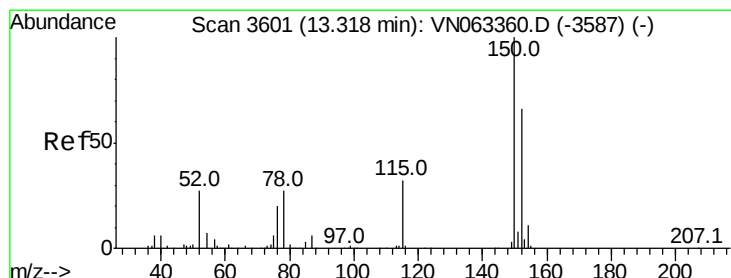
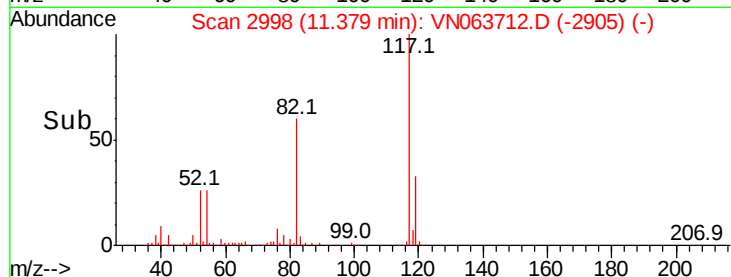
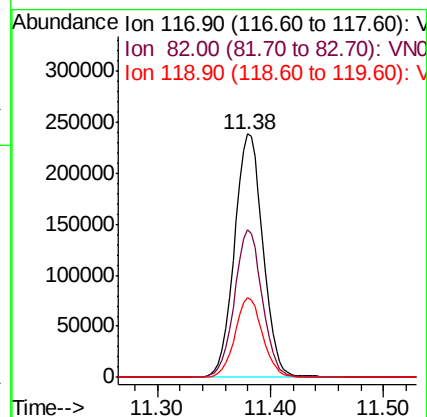
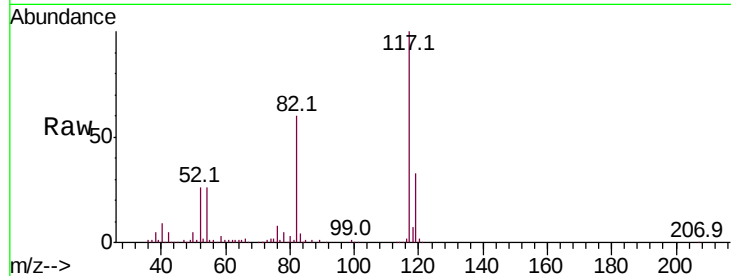




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063712.D
Acq: 28 Sep 2020 17:57

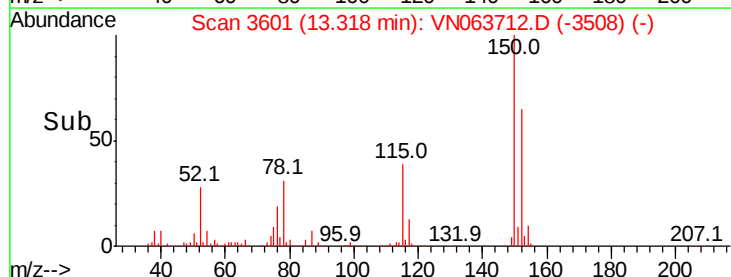
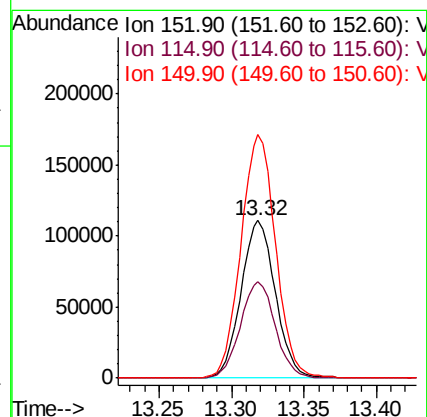
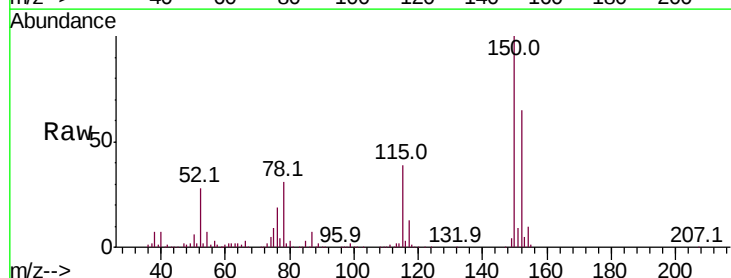
Instrument :
MSVOA_N
ClientSampled :
TP-1

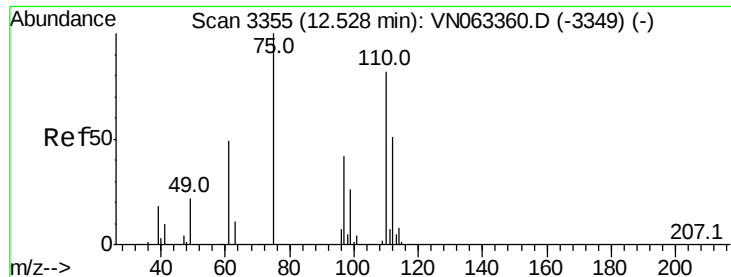
Tot Ion:117 Resp: 418591
Ion Ratio Lower Upper
117 100
82 60.4 49.2 73.8
119 32.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063712.D
Acq: 28 Sep 2020 17:57

Tgt Ion:152 Resp: 182472
Ion Ratio Lower Upper
152 100
115 62.4 32.2 96.6
150 156.3 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 26.471 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

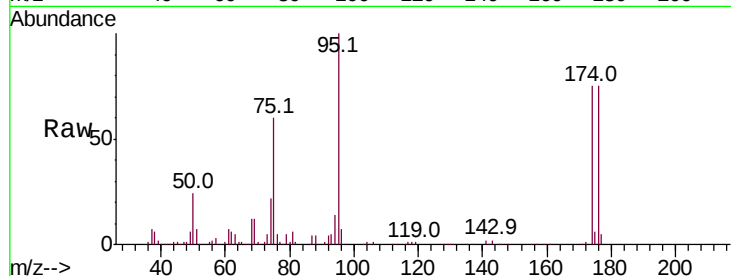
TP-1

Tot Ion: 75 Resp: 119553

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

80000

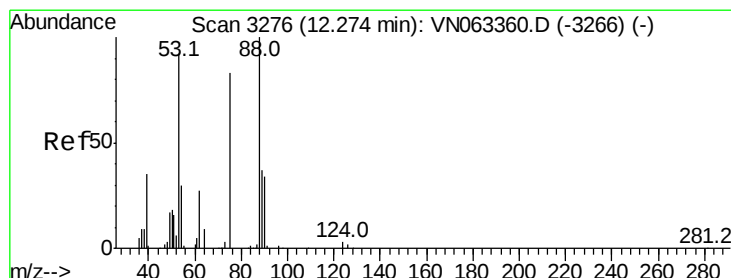
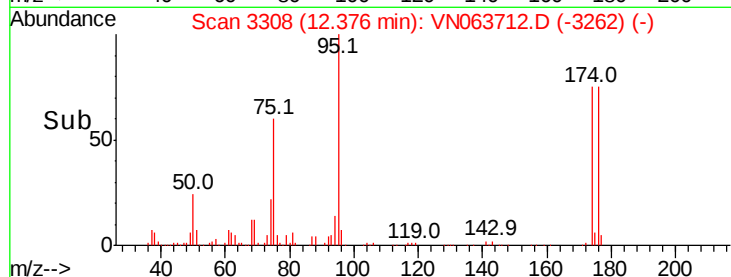
60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 72.572 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063712.D

Acq: 28 Sep 2020 17:57

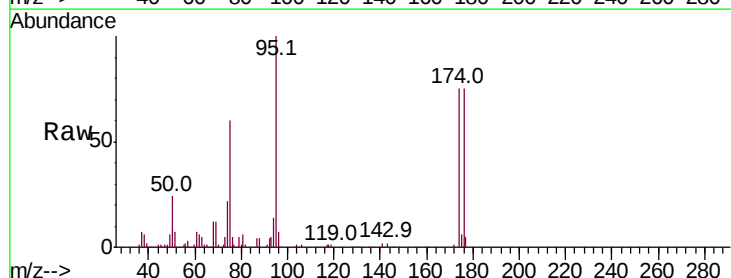
Tgt Ion: 75 Resp: 119553

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.38

80000

60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45

