

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063508.D
 Acq On : 22 Sep 2020 1:17
 Operator : JC/MD
 Sample : L4082-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D2-20200915

Quant Time: Sep 22 04:59:41 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	244262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	453703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	450667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195511	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	198245	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	7.55	113	142205	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
50) Toluene-d8	10.06	98	582493	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.38	95	230832	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	

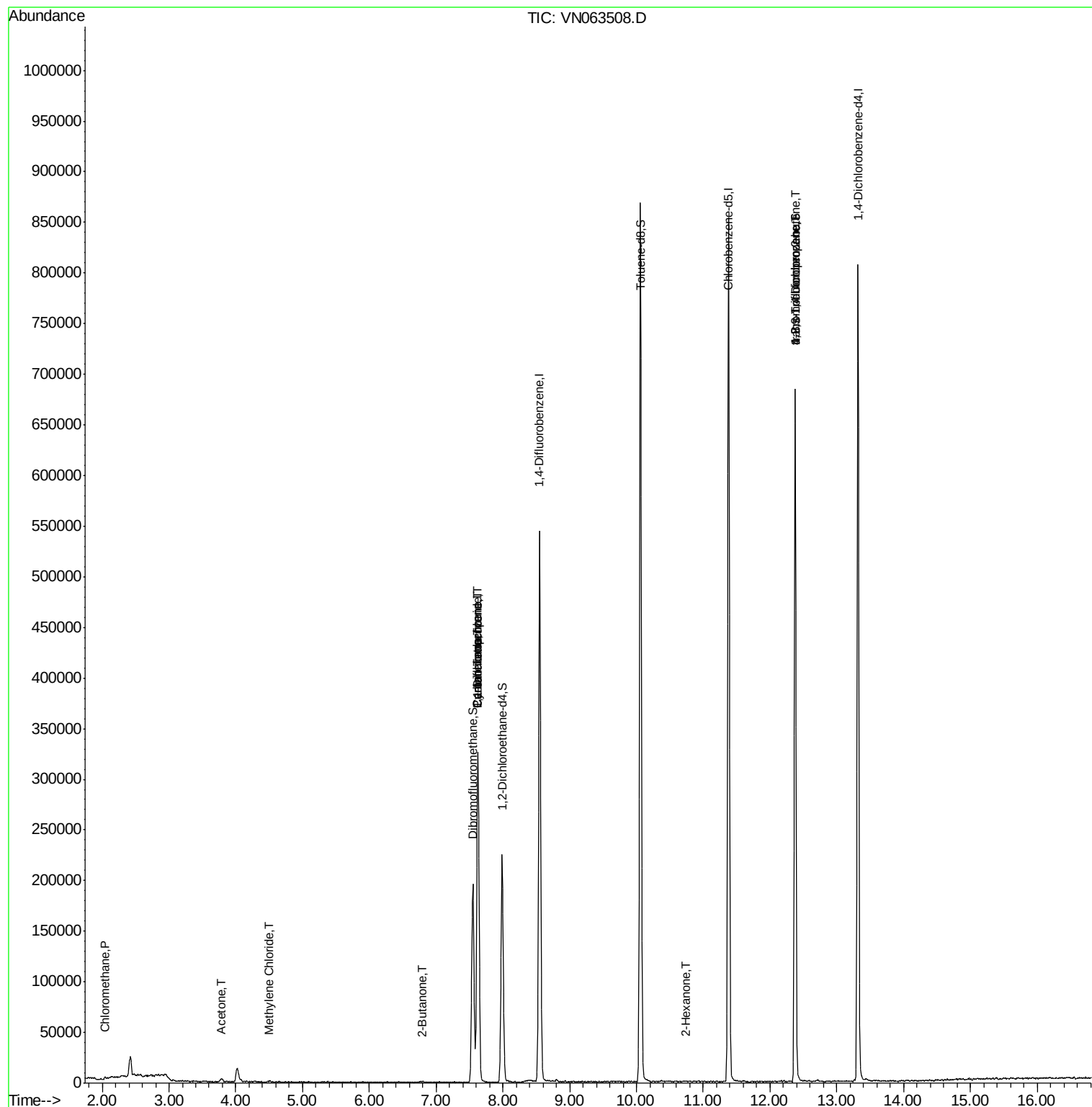
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1330	0.363	ug/l	99
16) Acetone	3.77	43	2921	2.186	ug/l	96
20) Methylene Chloride	4.50	84	1144	0.338	ug/l #	65
25) 2-Butanone	6.79	43	813	0.396	ug/l #	51
31) Cyclohexane	7.62	56	7070	1.231	ug/l #	34
36) 1,1-Dichloropropene	7.62	75	21806	4.511	ug/l #	52
38) Carbon Tetrachloride	7.62	117	26587	5.388	ug/l #	17
59) 2-Hexanone	10.74	43	698	0.203	ug/l #	28
76) 1,2,3-Trichloropropane	12.38	75	123336	25.487	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123336	69.876	ug/l #	7

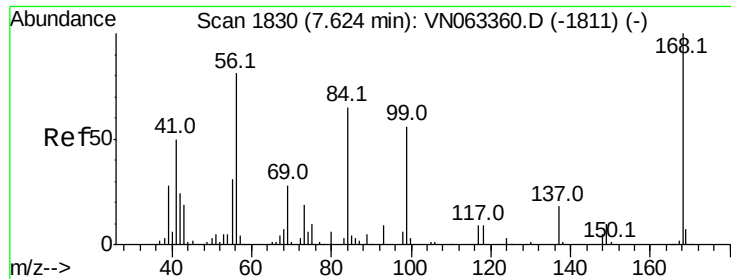
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092120\
Data File : VN063508.D
Acq On : 22 Sep 2020 1:17
Operator : JC/MD
Sample : L4082-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20200915

Quant Time: Sep 22 04:59:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

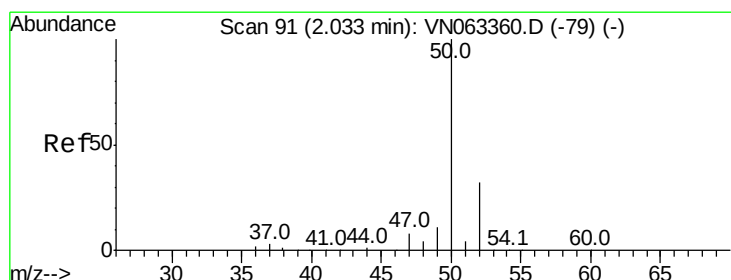
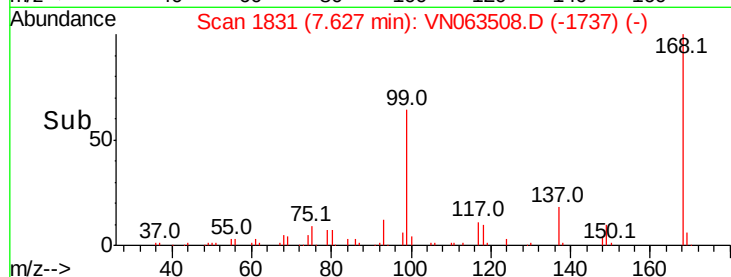
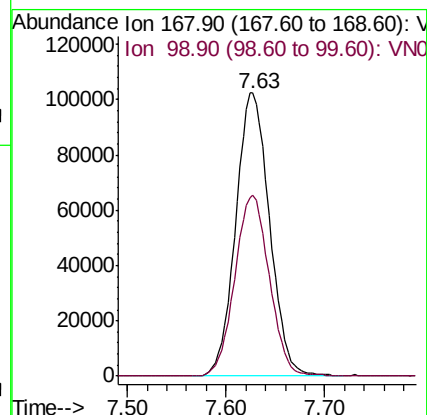
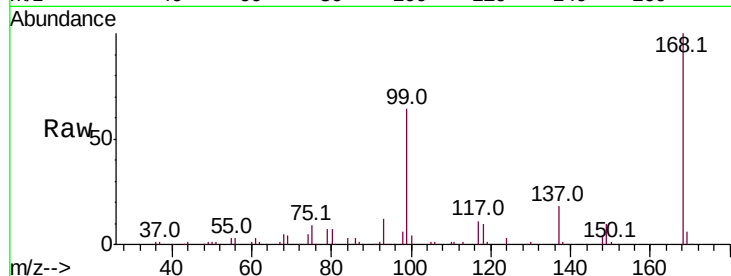




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN063508.D
Acq: 22 Sep 2020 1:17

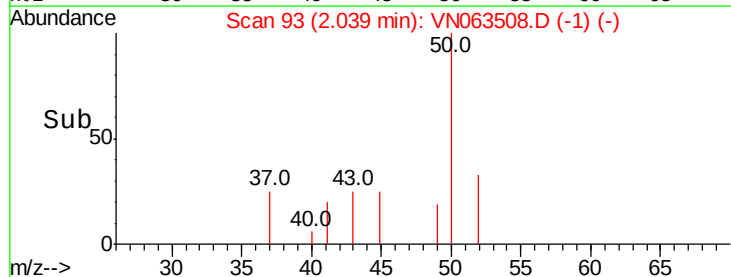
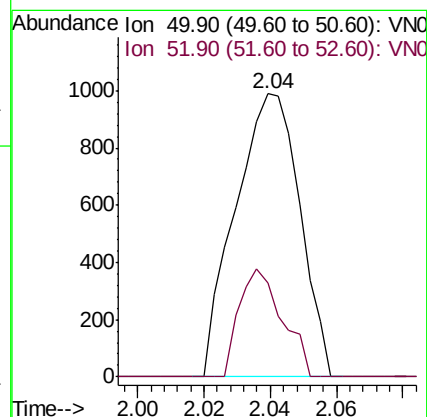
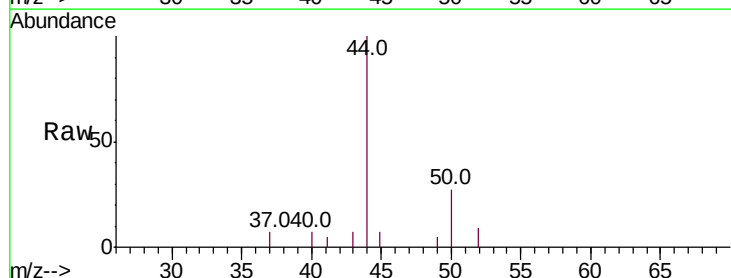
Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20200915

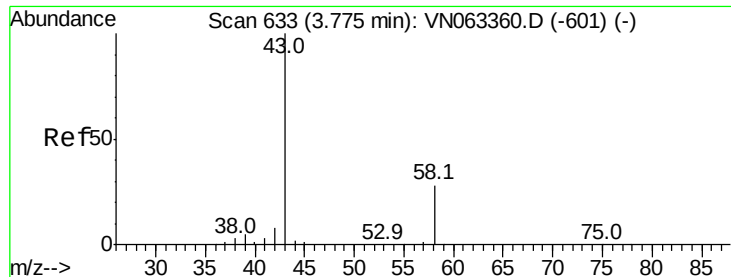
Tot Ion:168 Resp: 244262
Ion Ratio Lower Upper
168 100
99 63.8 53.0 79.6



#3
Chloromethane
Concen: 0.363 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.01 min
Lab File: VN063508.D
Acq: 22 Sep 2020 1:17

Tgt Ion: 50 Resp: 1330
Ion Ratio Lower Upper
50 100
52 33.1 25.9 38.9





#16

Acetone

Concen: 2.186 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063508.D

Acq: 22 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

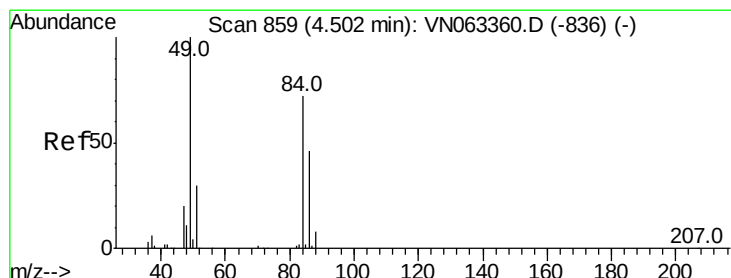
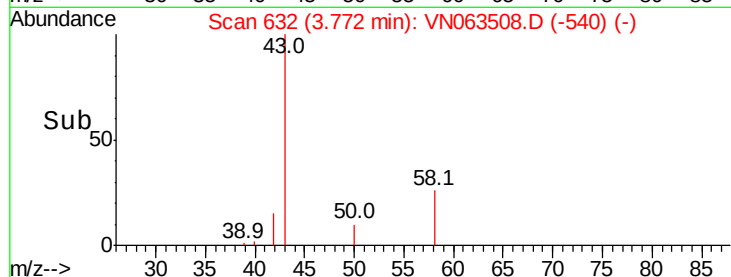
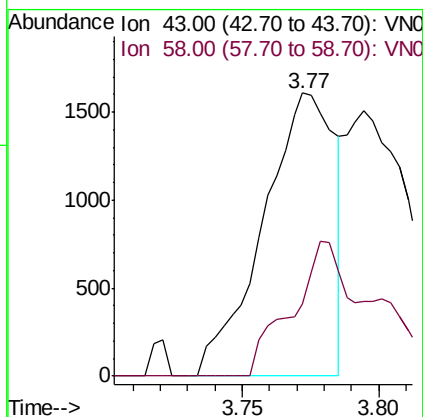
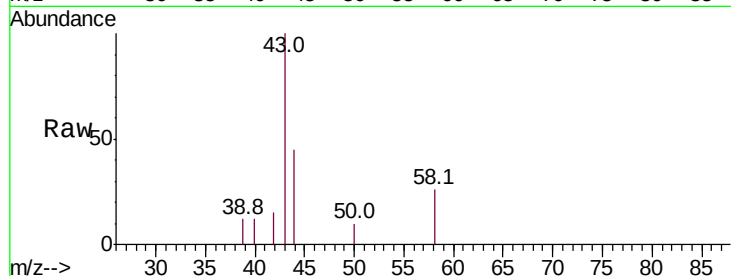
RE117D2-20200915

Tot Ion: 43 Resp: 2921

Ion Ratio Lower Upper

43 100

58 25.7 22.3 33.5



#20

Methylene Chloride

Concen: 0.338 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063508.D

Acq: 22 Sep 2020 1:17

Tgt Ion: 84 Resp: 1144

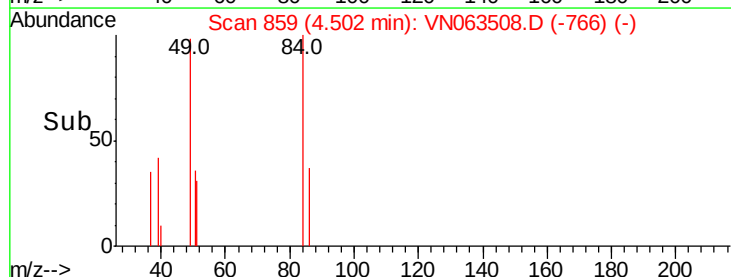
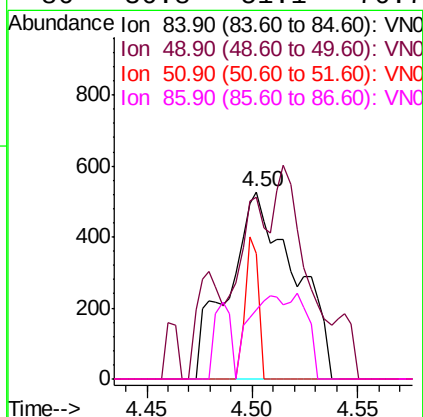
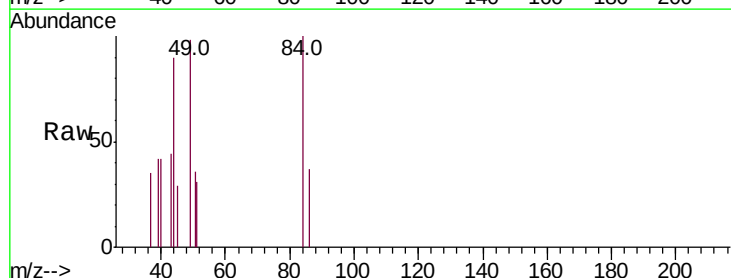
Ion Ratio Lower Upper

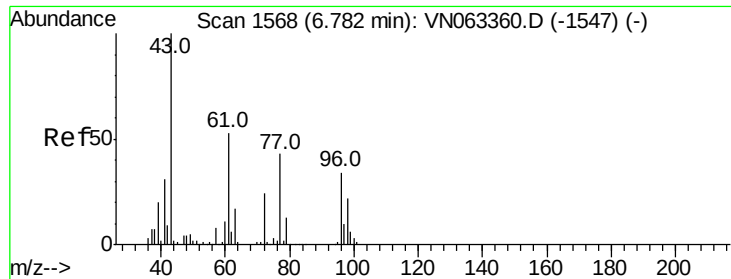
84 100

49 97.5 110.7 166.1#

51 67.2 32.9 49.3#

86 36.8 51.1 76.7#

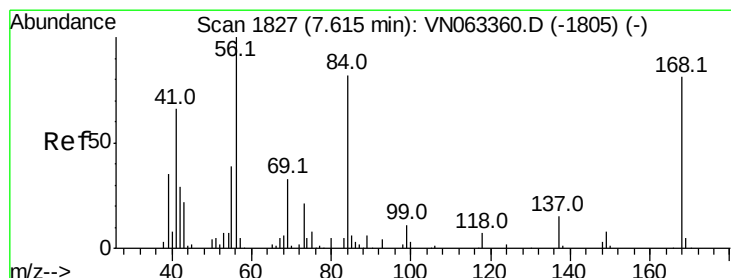
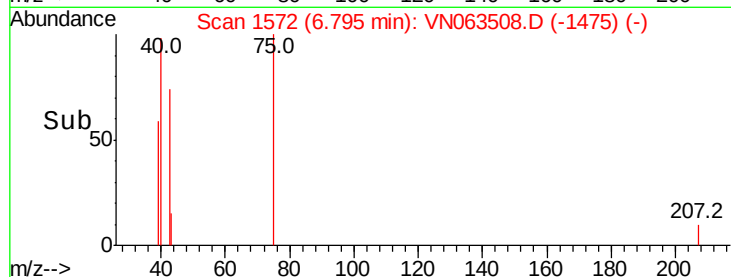
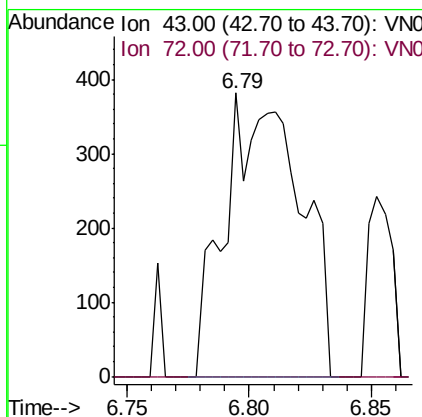
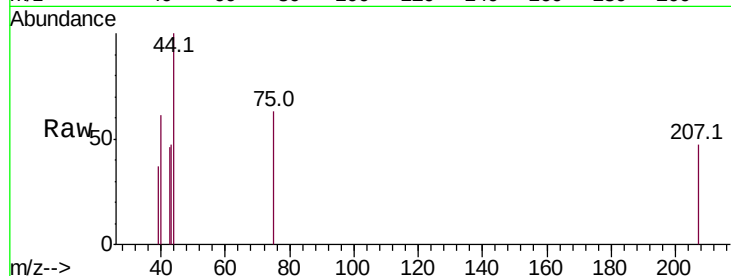




#25
2-Butanone
Concen: 0.396 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN063508.D
Acq: 22 Sep 2020 1:17

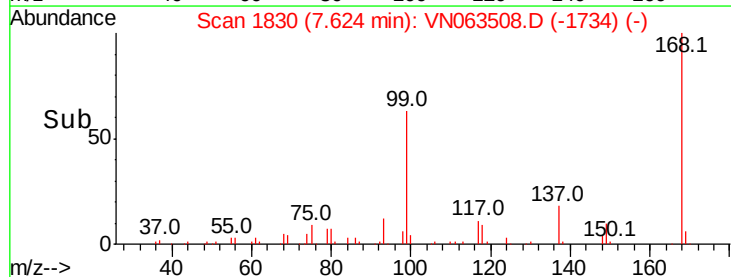
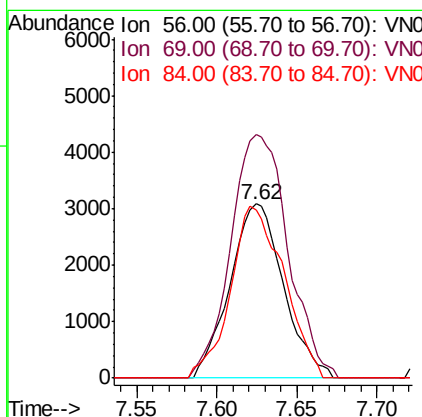
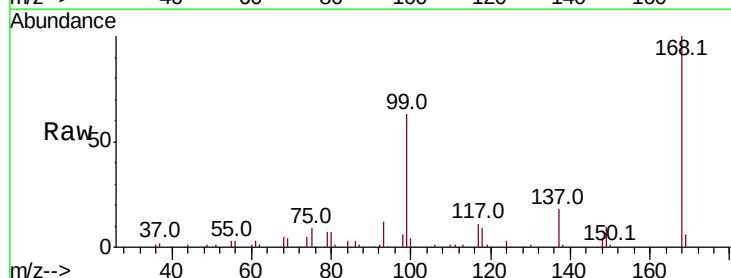
Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20200915

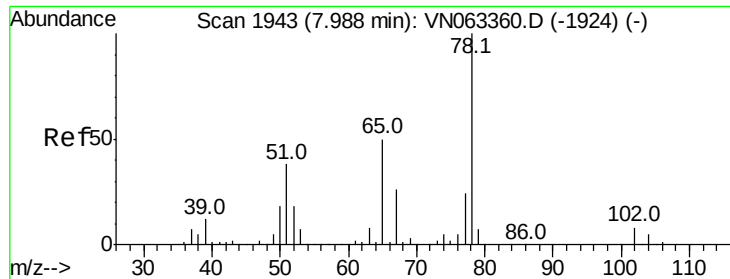
Tot Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063508.D
Acq: 22 Sep 2020 1:17

Tgt Ion: 56 Resp: 7070
Ion Ratio Lower Upper
56 100
69 139.6 26.1 39.1#
84 96.5 65.4 98.2

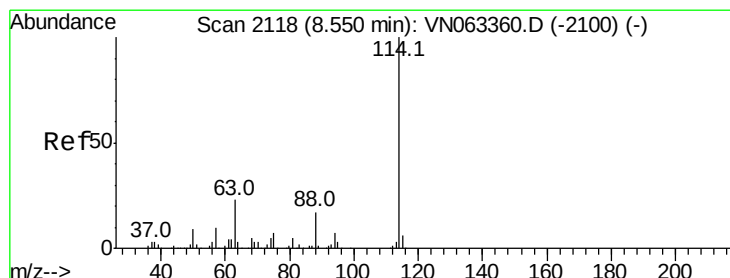
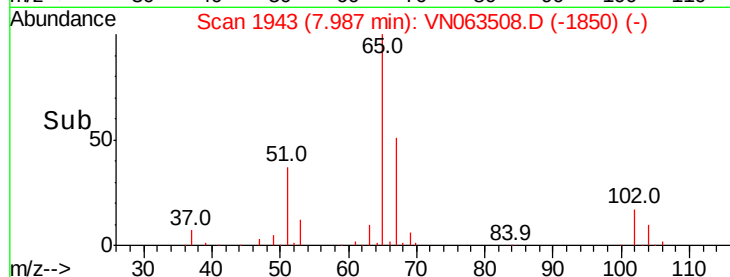
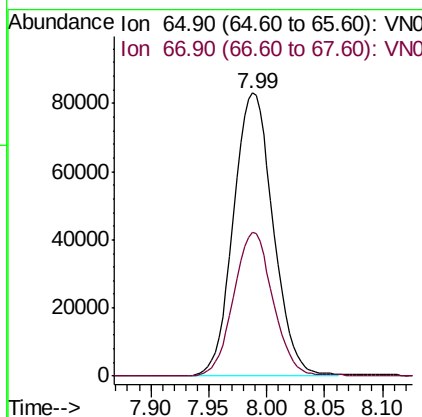
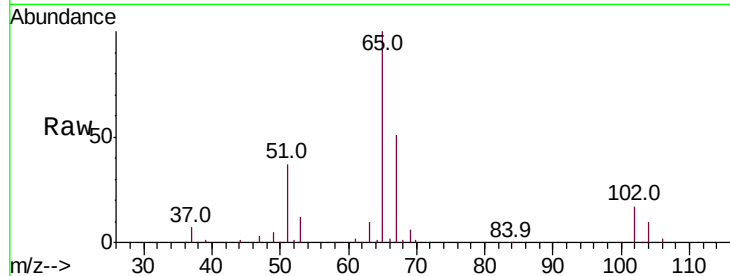




#33
 1,2-Dichloroethane-d4
 Concen: 47.678 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063508.D
 Acq: 22 Sep 2020 1:17

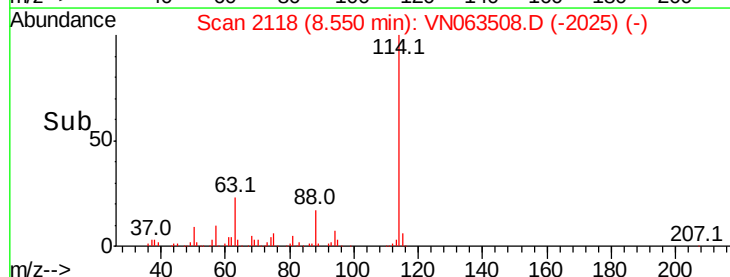
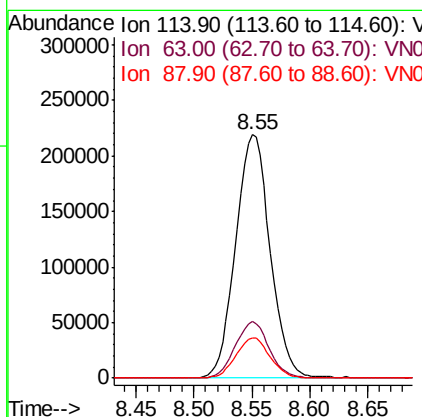
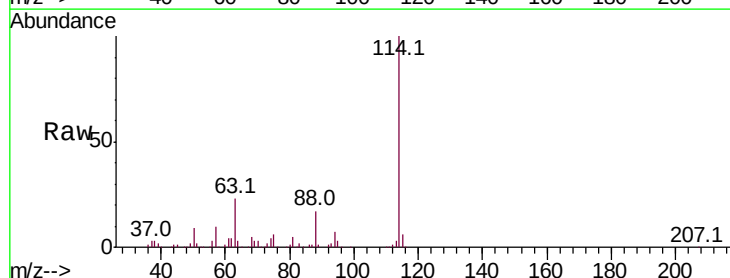
Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D2-20200915

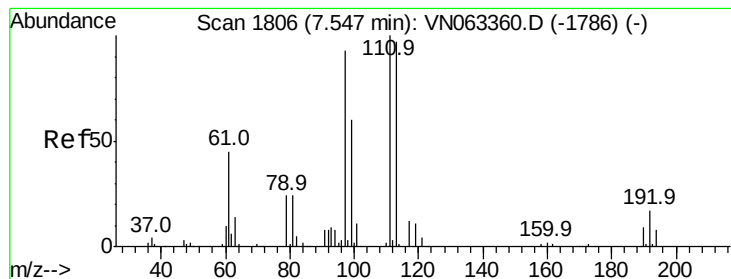
Tot Ion: 65 Resp: 198245
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063508.D
 Acq: 22 Sep 2020 1:17

Tgt Ion: 114 Resp: 453703
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.4
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.275 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063508.D

Acq: 22 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

RE117D2-20200915

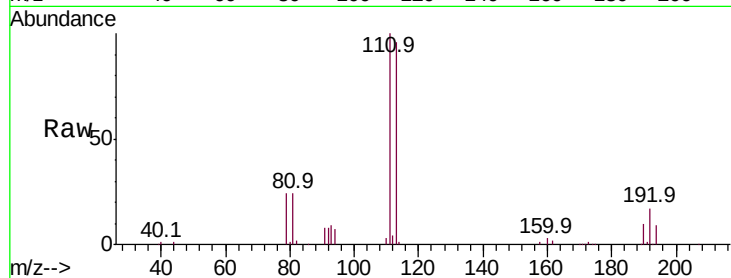
Tot Ion:113 Resp: 142205

Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

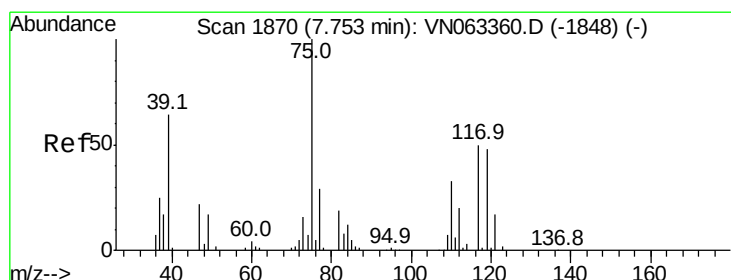
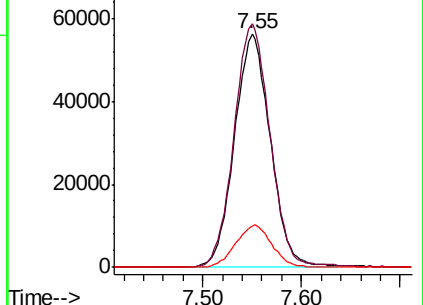
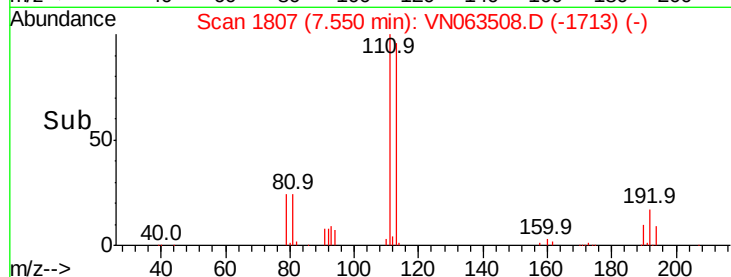
192 18.1 13.9 20.9



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: 4.511 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063508.D

Acq: 22 Sep 2020 1:17

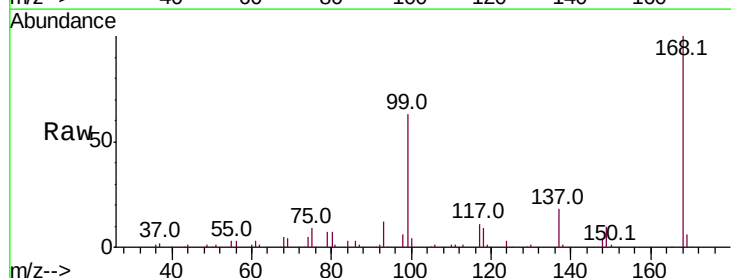
Tgt Ion: 75 Resp: 21806

Ion Ratio Lower Upper

75 100

110 10.1 16.5 49.5#

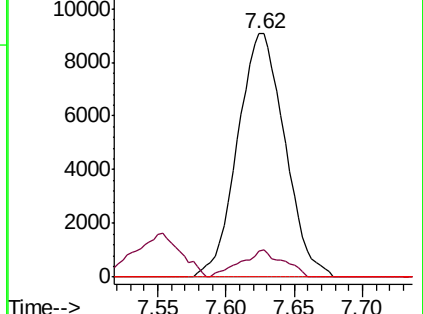
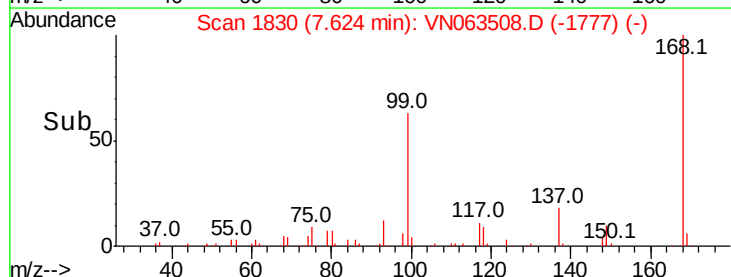
77 0.0 24.6 36.8#

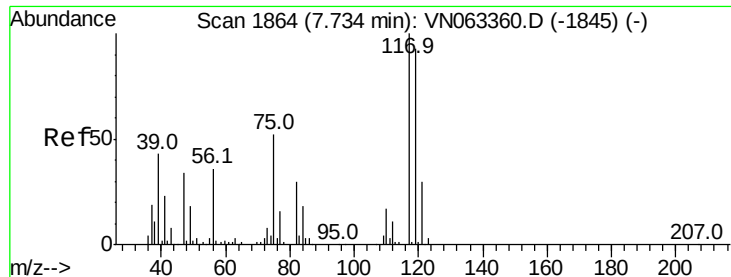


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 5.388 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063508.D

Acq: 22 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

RE117D2-20200915

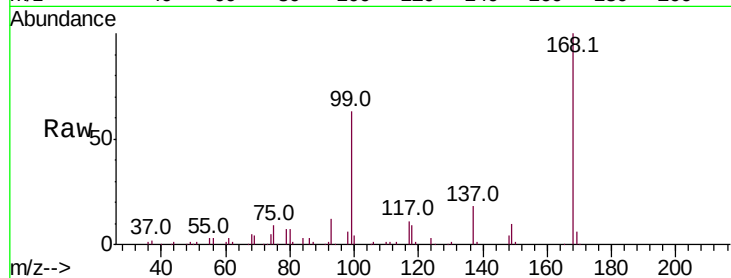
Tot Ion:117 Resp: 26587

Ion Ratio Lower Upper

117 100

119 4.8 74.5 111.7#

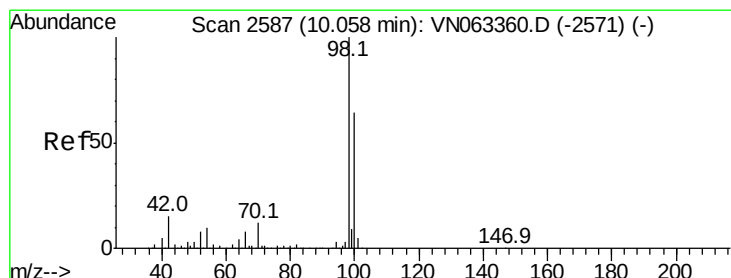
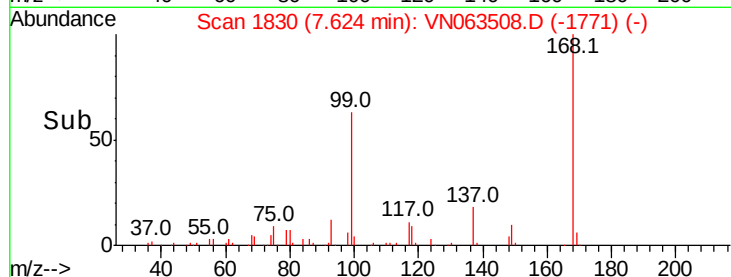
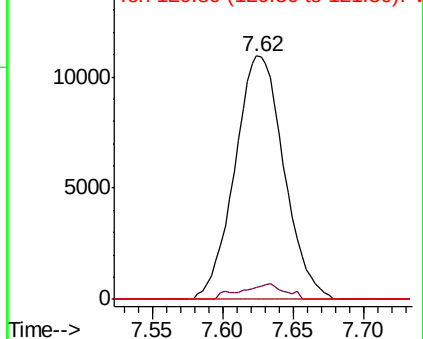
121 0.0 24.1 36.1#



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



#50

Toluene-d8

Concen: 49.321 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063508.D

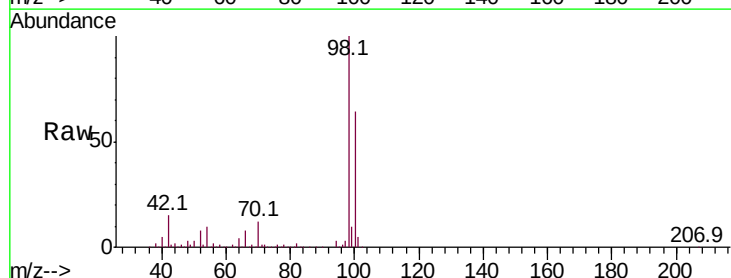
Acq: 22 Sep 2020 1:17

Tgt Ion: 98 Resp: 582493

Ion Ratio Lower Upper

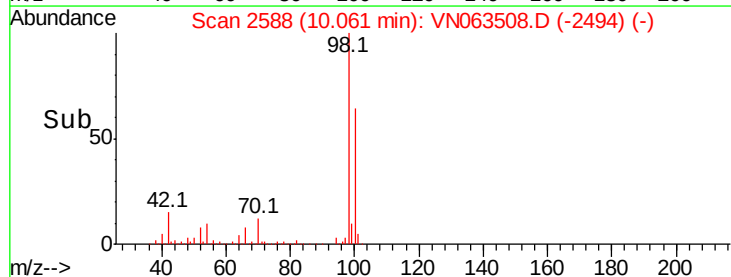
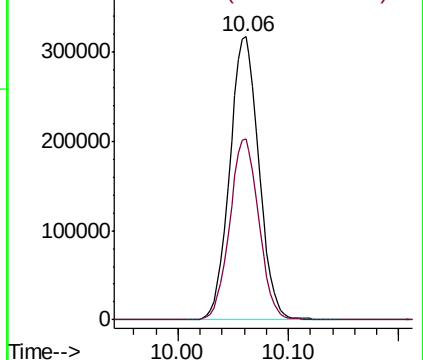
98 100

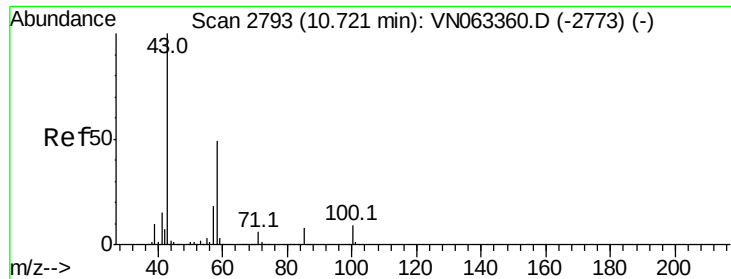
100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#59

2-Hexanone

Concen: 0.203 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.02 min

Lab File: VN063508.D

Acq: 22 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

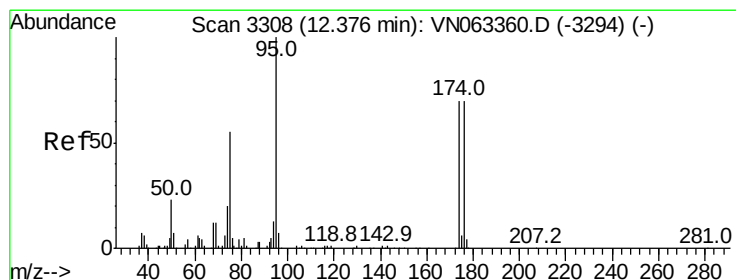
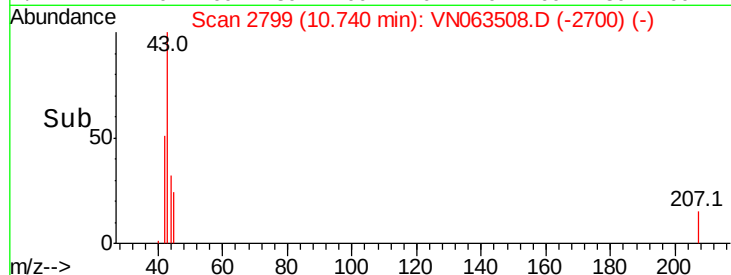
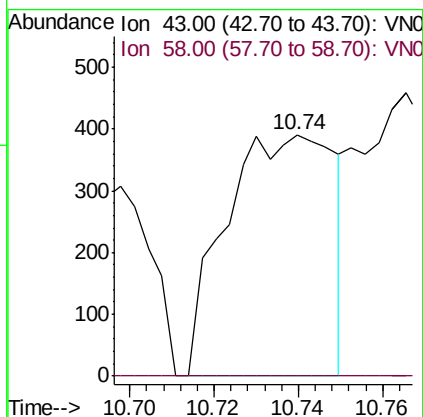
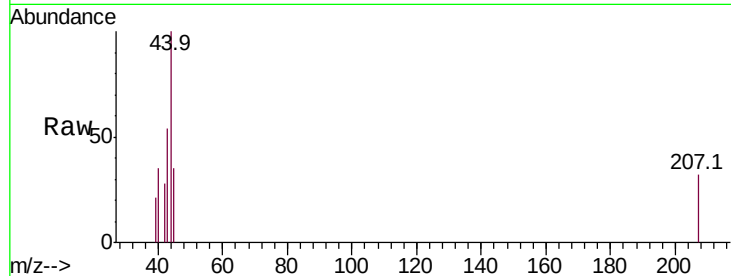
RE117D2-20200915

Tot Ion: 43 Resp: 698

Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 53.317 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063508.D

Acq: 22 Sep 2020 1:17

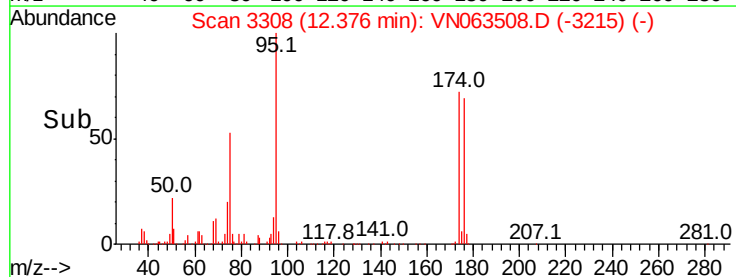
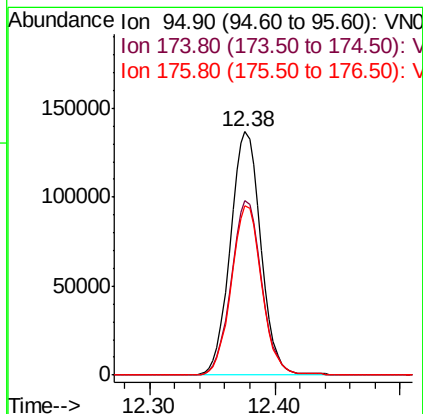
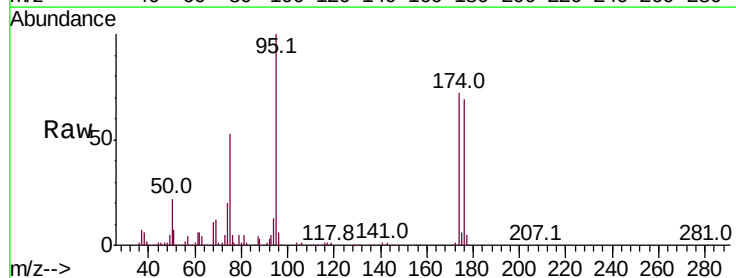
Tgt Ion: 95 Resp: 230832

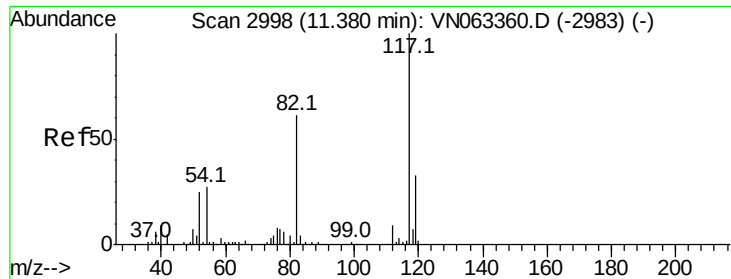
Ion Ratio Lower Upper

95 100

174 72.1 0.0 140.8

176 69.7 0.0 137.6

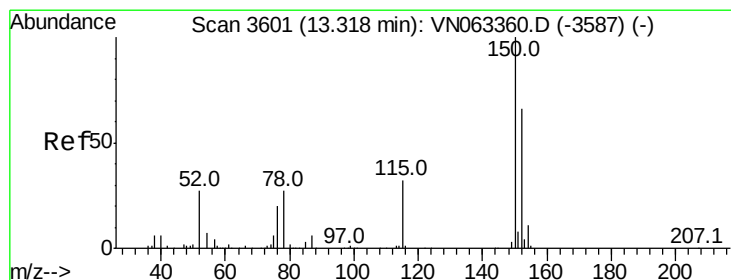
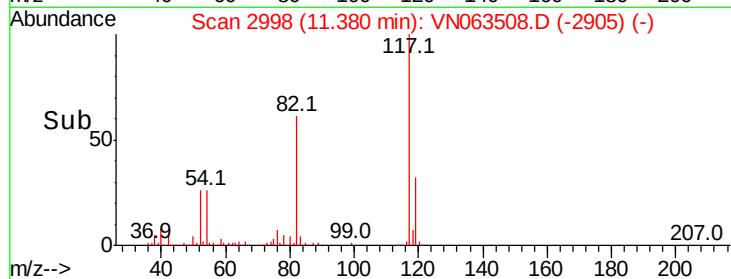
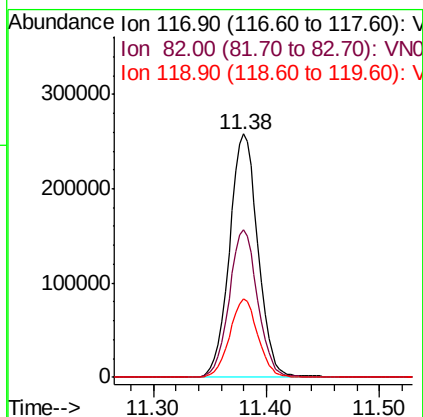
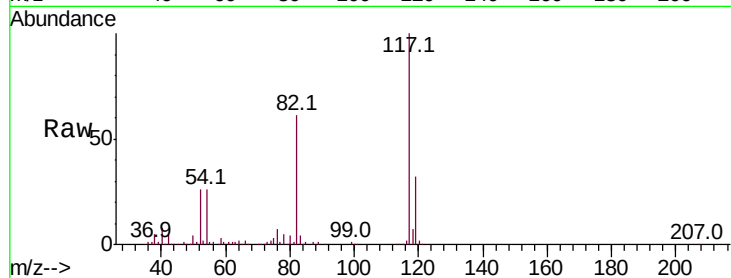




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063508.D
Acq: 22 Sep 2020 1:17

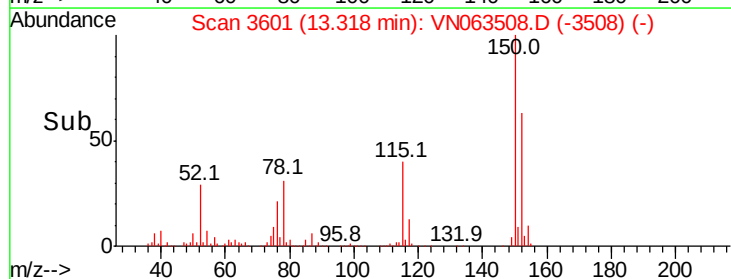
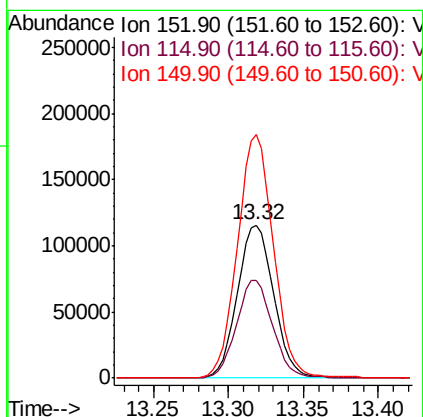
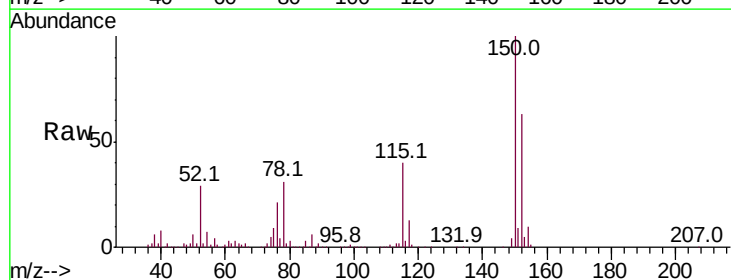
Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20200915

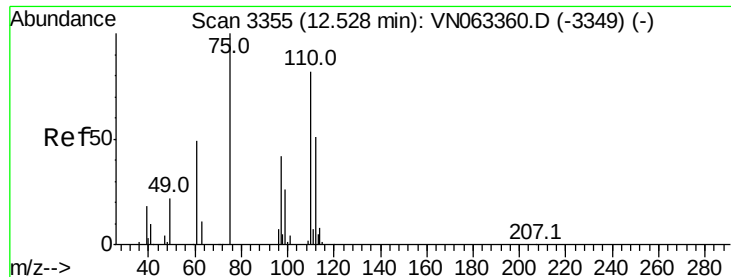
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	49.2	73.8
119	32.0	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063508.D
Acq: 22 Sep 2020 1:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	32.2	96.6
150	158.2	0.0	343.4





#76

1,2,3-Trichloropropane

Concen: 25.487 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063508.D

Acq: 22 Sep 2020 1:17

Instrument :

MSVOA_N

ClientSampleId :

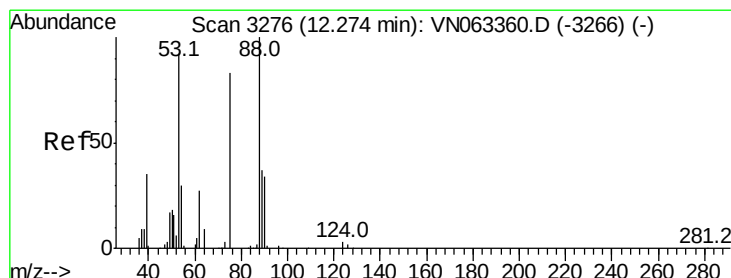
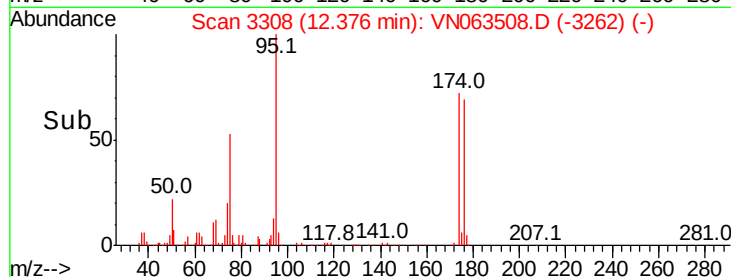
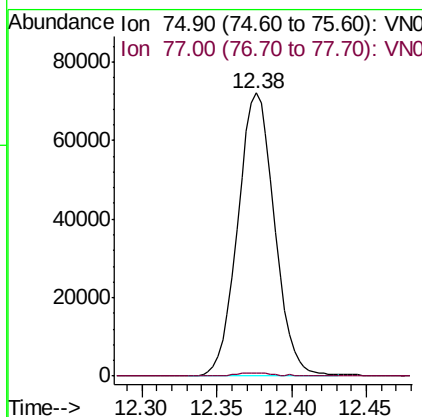
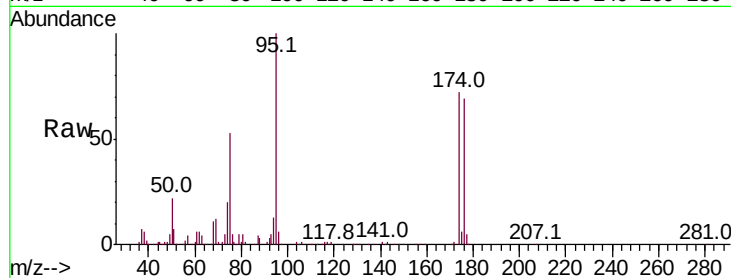
RE117D2-20200915

Tot Ion: 75 Resp: 123336

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.876 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063508.D

Acq: 22 Sep 2020 1:17

Tgt Ion: 75 Resp: 123336

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

