

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063668.D
 Acq On : 25 Sep 2020 8:13
 Operator : JC/MD
 Sample : L4119-05 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20200921

Quant Time: Sep 25 08:33:45 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	187464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	361165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	354861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149198	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	166831	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
35) Dibromofluoromethane	7.55	113	118473	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
50) Toluene-d8	10.06	98	458765	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	12.38	95	176752	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	

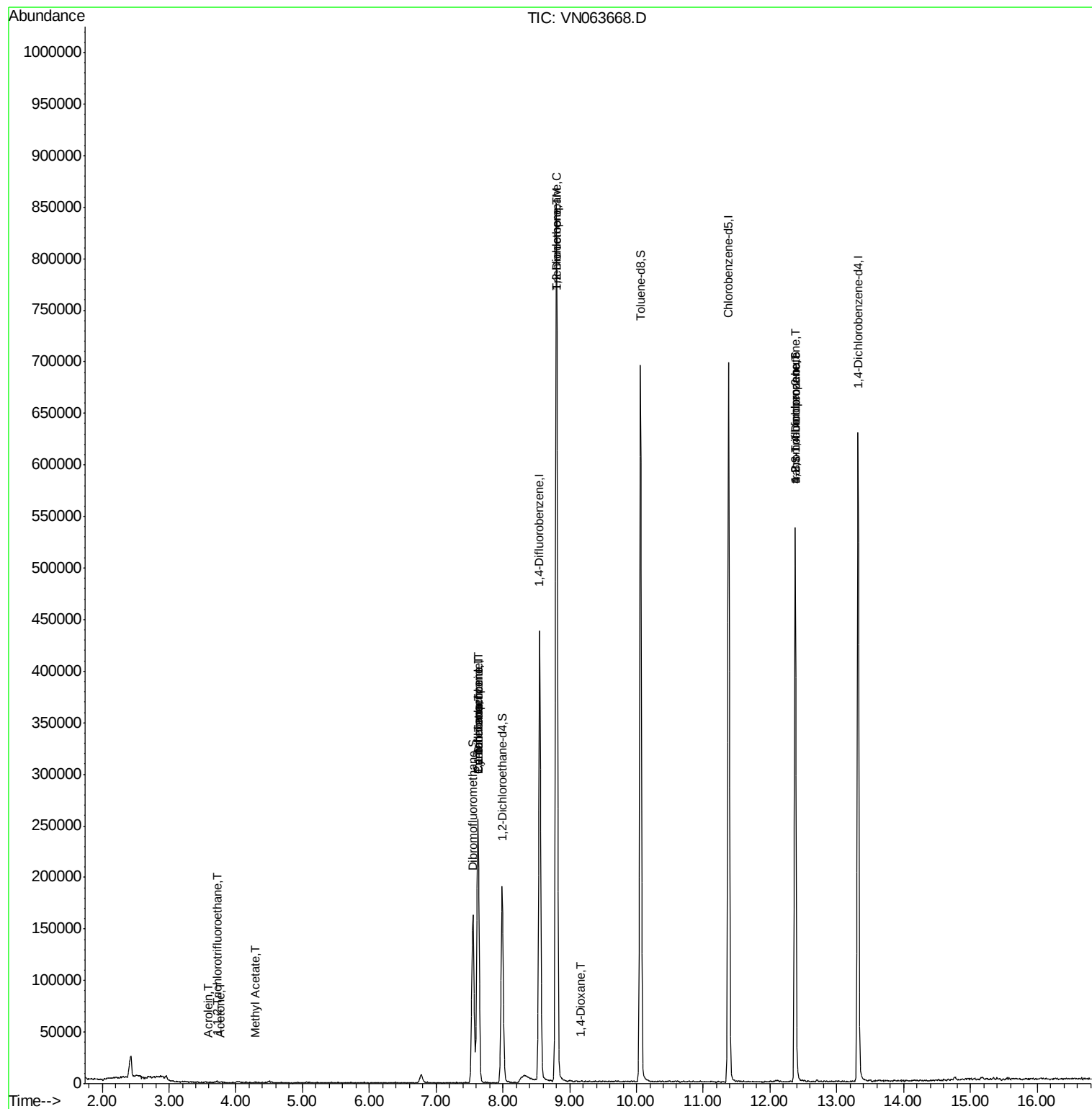
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	512	0.245	ug/l	93
13) Acrolein	3.59	56	102	0.623	ug/l #	13
16) Acetone	3.77	43	364	0.355	ug/l #	47
18) Methyl Acetate	4.29	43	765	0.294	ug/l #	54
31) Cyclohexane	7.63	56	5643	1.280	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	17496	4.547	ug/l #	45
38) Carbon Tetrachloride	7.63	117	21022	5.352	ug/l #	17
44) Trichloroethene	8.80	130	285129	107.028	ug/l	98
45) 1,2-Dichloropropane	8.80	63	929	0.311	ug/l #	1
49) 1,4-Dioxane	9.16	88	102	2.142	ug/l #	17
76) 1,2,3-Trichloropropane	12.38	75	98137	26.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	98137	72.858	ug/l #	7

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

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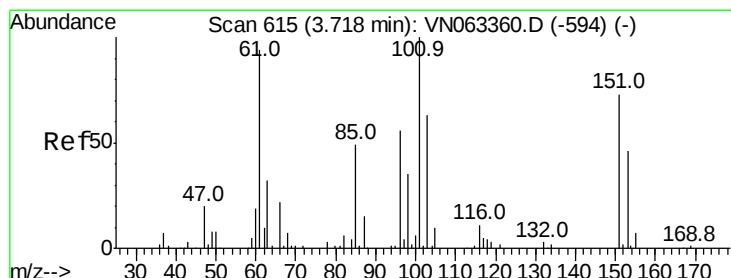
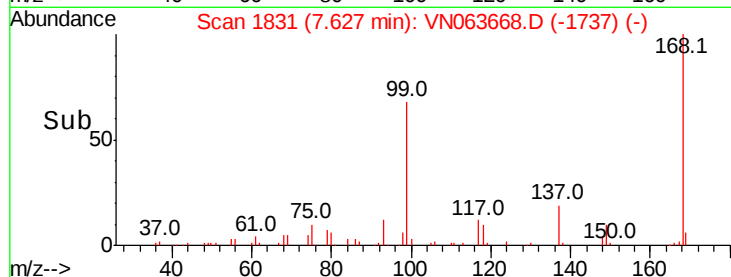
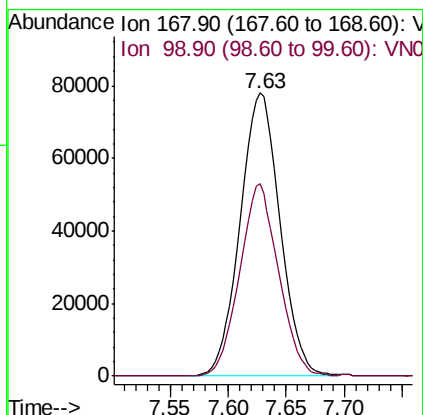
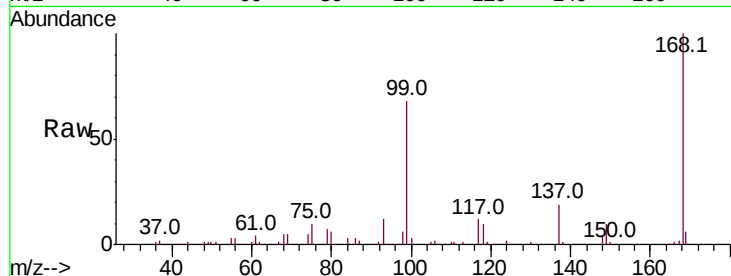




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN063668.D
Acq: 25 Sep 2020 8:13

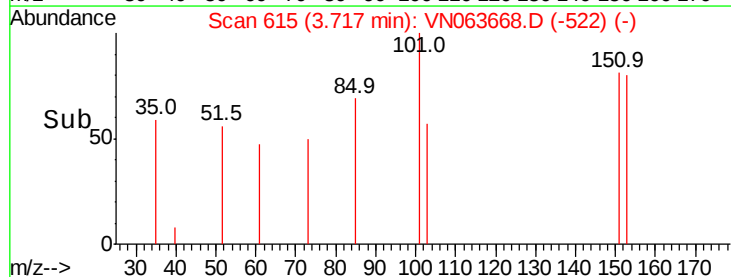
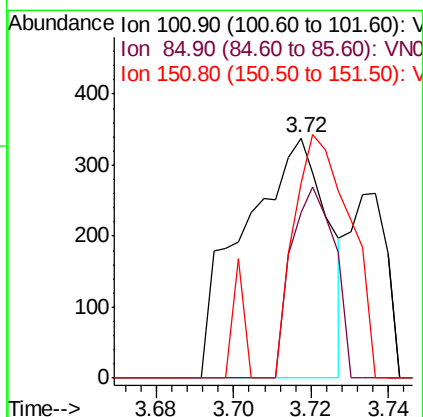
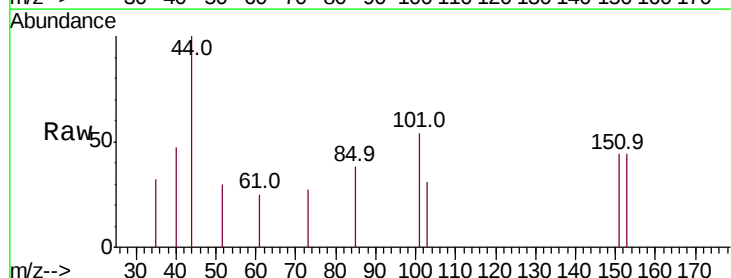
Instrument :
MSVOA_N
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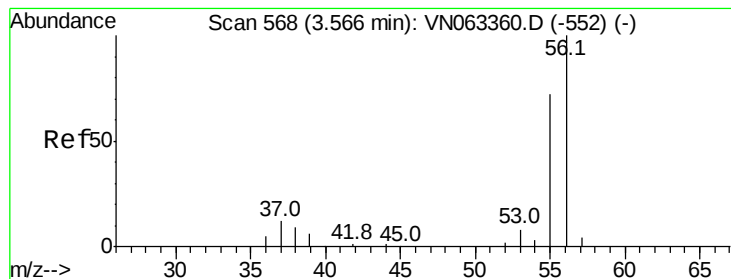
Tot Ion:168 Resp: 187464
Ion Ratio Lower Upper
168 100
99 67.7 53.0 79.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.245 ug/l
RT: 3.72 min Scan# 615
Delta R.T. -0.00 min
Lab File: VN063668.D
Acq: 25 Sep 2020 8:13

Tgt Ion:101 Resp: 512
Ion Ratio Lower Upper
101 100
85 40.8 37.7 56.5
151 67.2 57.7 86.5





#13

Acrolein

Concen: 0.623 ug/l

RT: 3.59 min Scan# 576

Delta R.T. 0.03 min

Lab File: VN063668.D

Acq: 25 Sep 2020 8:13

Instrument :

MSVOA_N

ClientSampleId :

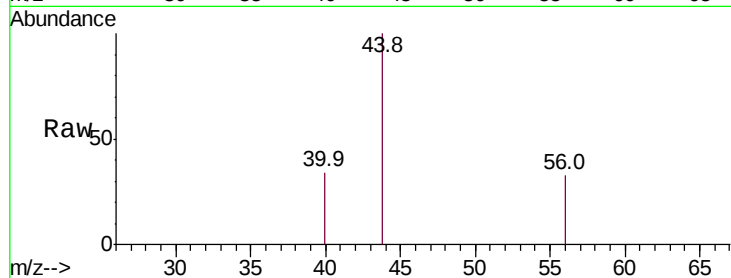
RE122D2-20200921

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

200

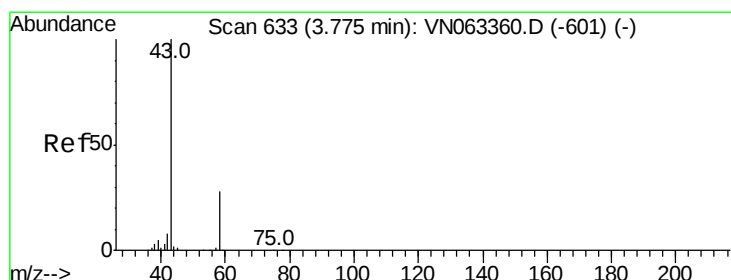
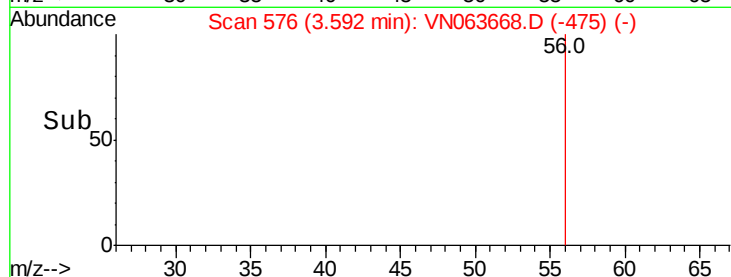
150

100

50

0

Time-->



#16

Acetone

Concen: 0.355 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN063668.D

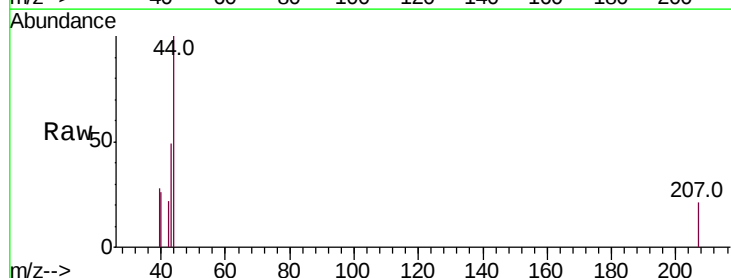
Acq: 25 Sep 2020 8:13

Tgt Ion: 43 Resp: 364

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.77

400

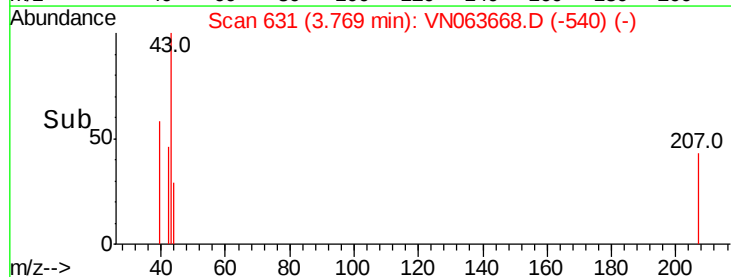
300

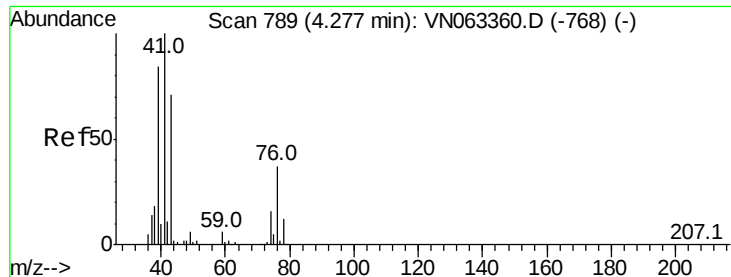
200

100

0

Time-->

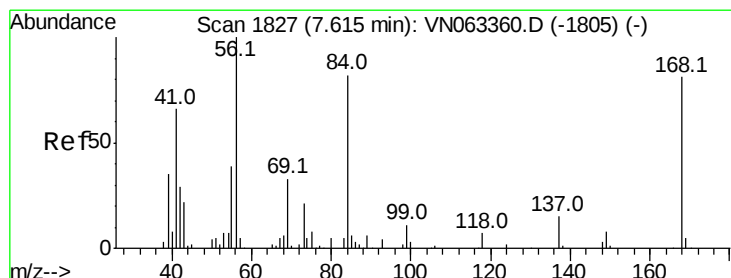
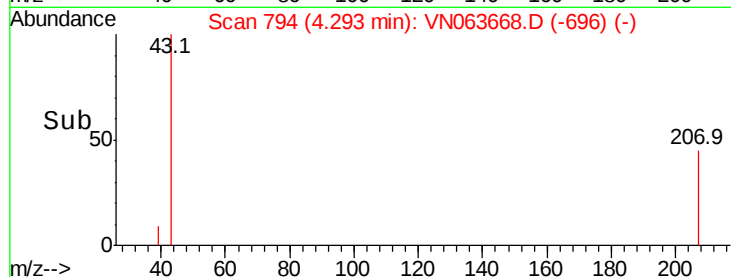
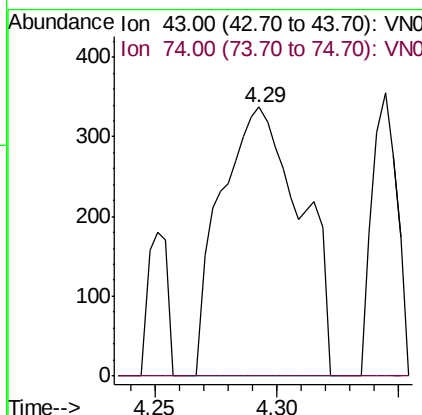
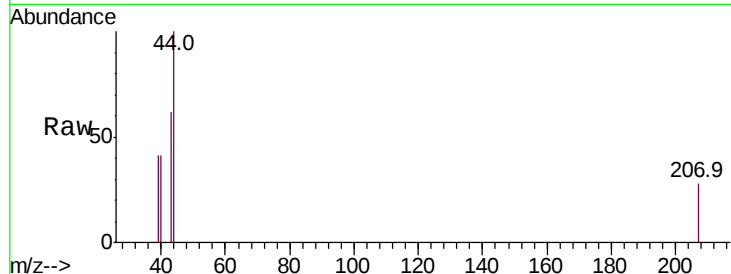




#18
Methvl Acetate
Concen: 0.294 ug/l
RT: 4.29 min Scan# 794
Delta R.T. 0.02 min
Lab File: VN063668.D
Acq: 25 Sep 2020 8:13

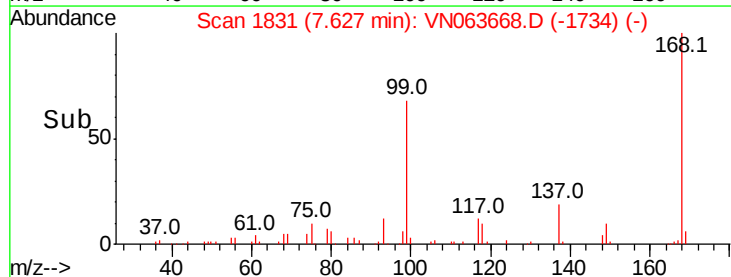
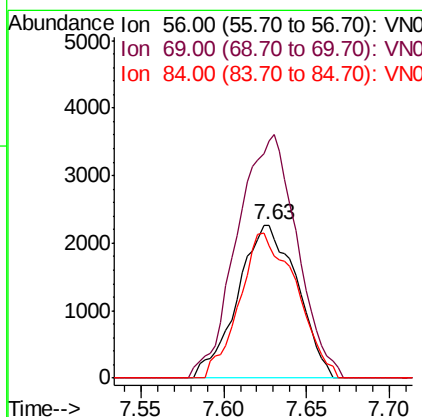
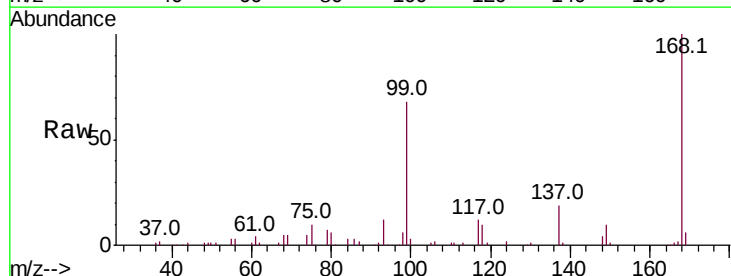
Instrument :
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RE122D2-20200921

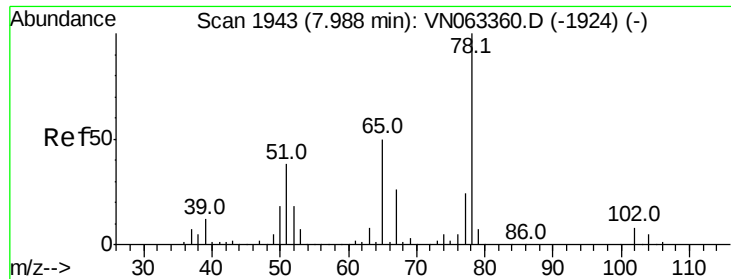
Tot Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063668.D
Acq: 25 Sep 2020 8:13

Tgt Ion: 56 Resp: 5643
Ion Ratio Lower Upper
56 100
69 155.2 26.1 39.1#
84 86.4 65.4 98.2

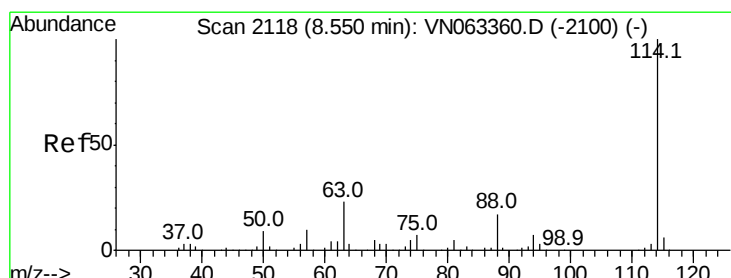
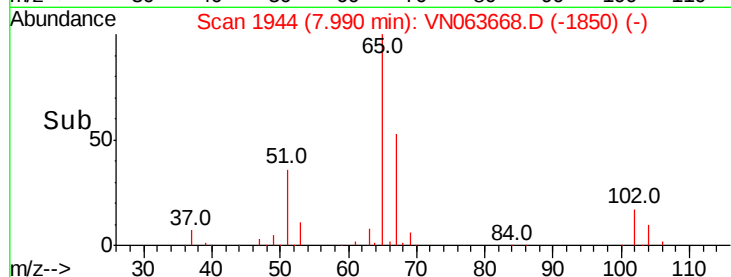
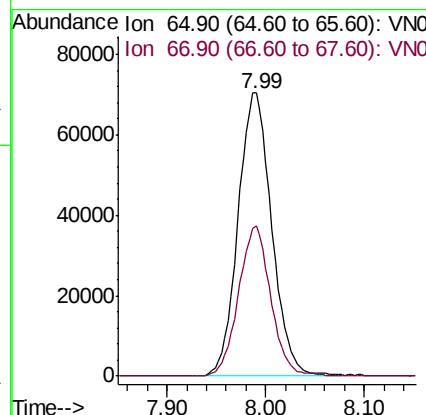
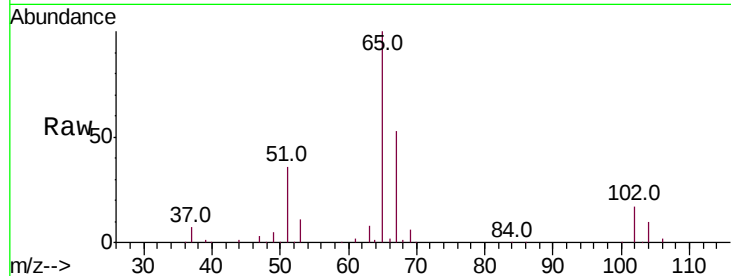




#33
 1,2-Dichloroethane-d4
 Concen: 52.280 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063668.D
 Acq: 25 Sep 2020 8:13

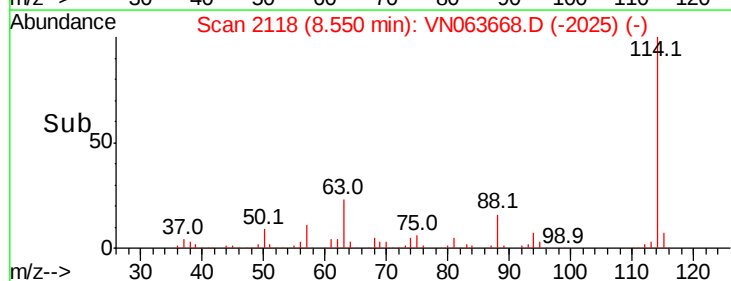
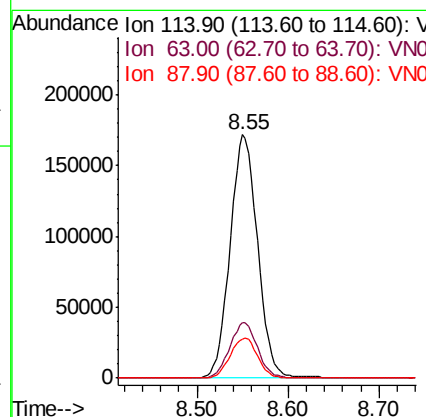
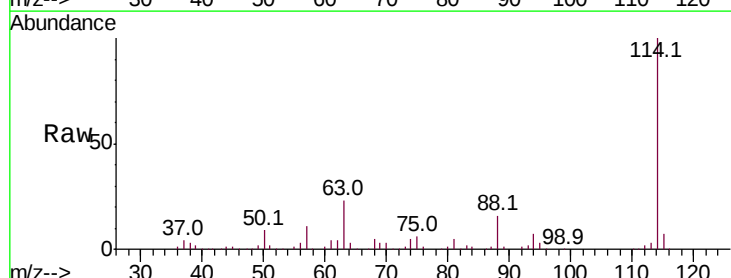
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20200921

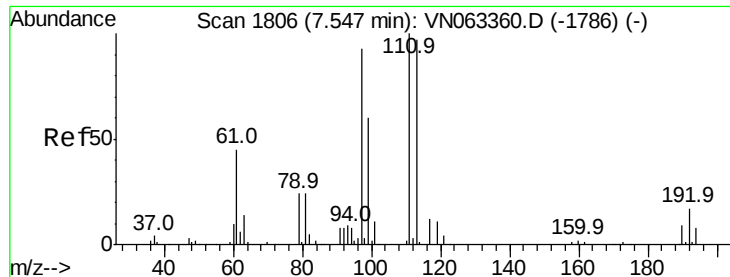
Tot Ion: 65 Resp: 166831
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063668.D
 Acq: 25 Sep 2020 8:13

Tgt Ion: 114 Resp: 361165
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.4
 88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.384 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063668.D

Acq: 25 Sep 2020 8:13

Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20200921

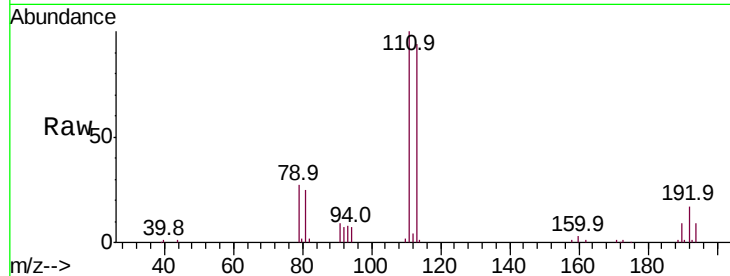
Tot Ion:113 Resp: 118473

Ion Ratio Lower Upper

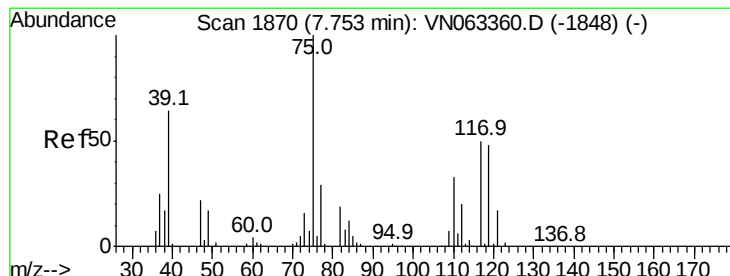
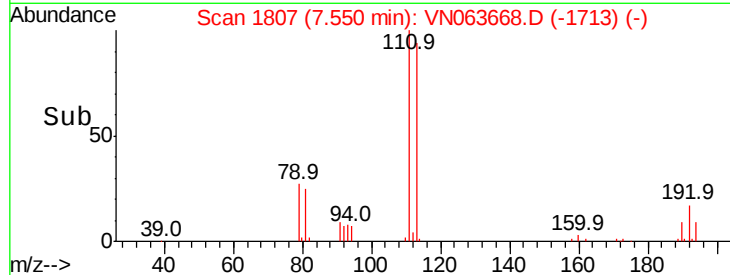
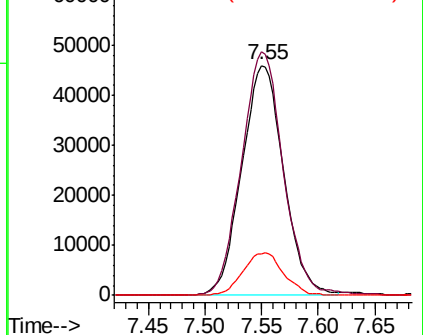
113 100

111 105.8 82.9 124.3

192 17.8 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: 4.547 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063668.D

Acq: 25 Sep 2020 8:13

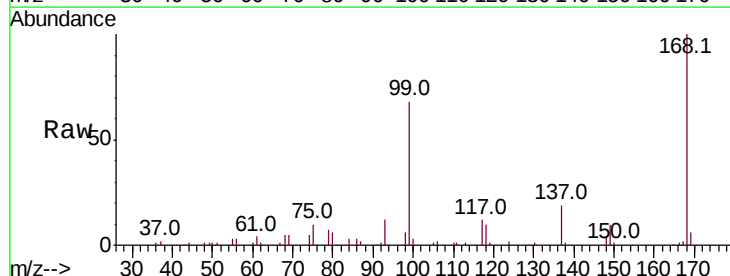
Tgt Ion: 75 Resp: 17496

Ion Ratio Lower Upper

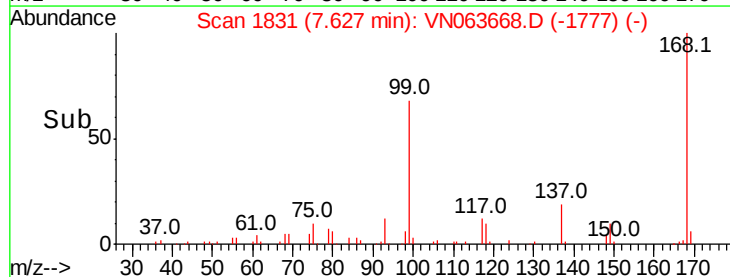
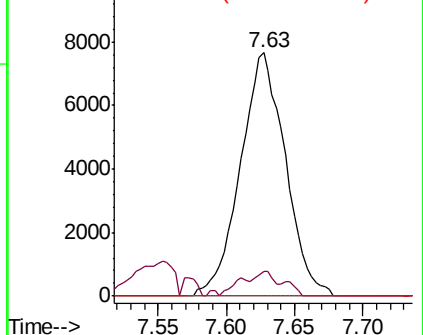
75 100

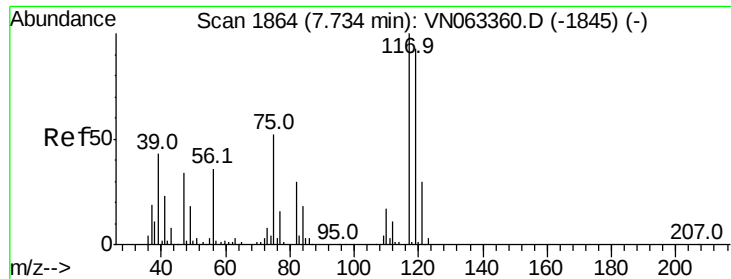
110 2.0 16.5 49.5#

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





#38

Carbon Tetrachloride

Concen: 5.352 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063668.D

Acq: 25 Sep 2020 8:13

Instrument :

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ClientSampleId :

RE122D2-20200921

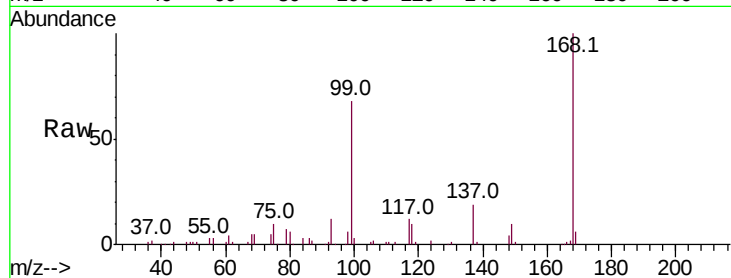
Tot Ion:117 Resp: 21022

Ion Ratio Lower Upper

117 100

119 5.3 74.5 111.7#

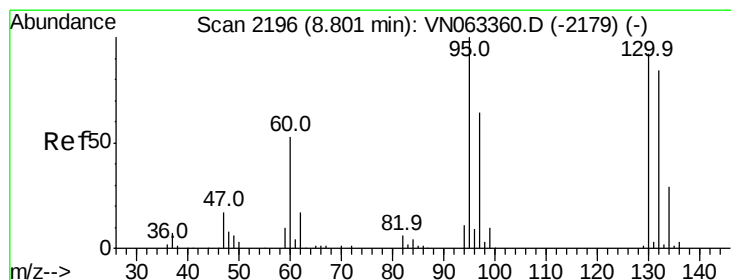
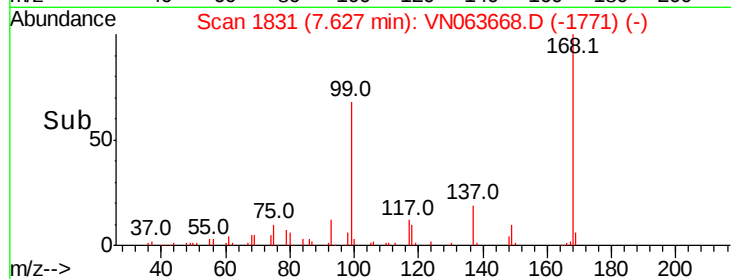
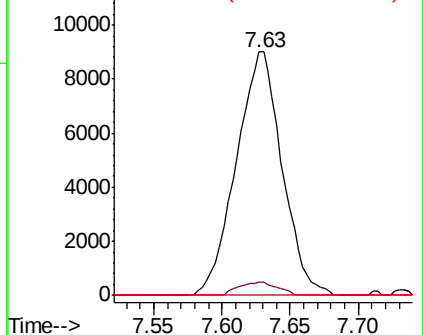
121 0.0 24.1 36.1#



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



#44

Trichloroethene

Concen: 107.028 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063668.D

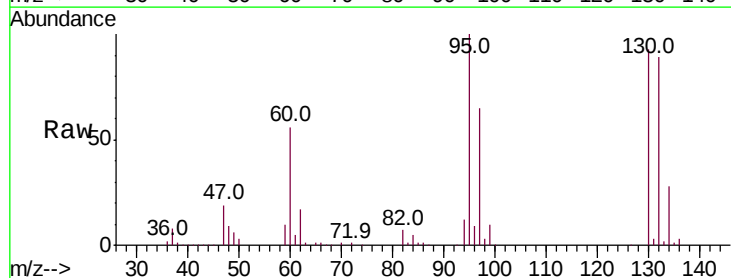
Acq: 25 Sep 2020 8:13

Tgt Ion:130 Resp: 285129

Ion Ratio Lower Upper

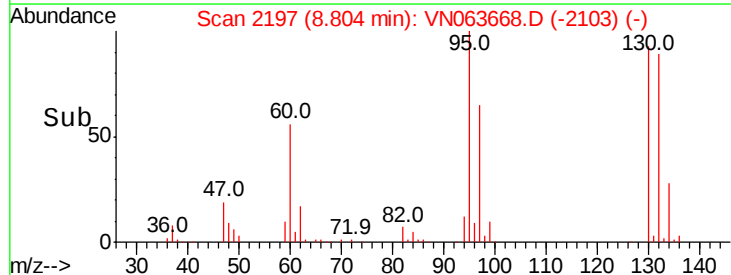
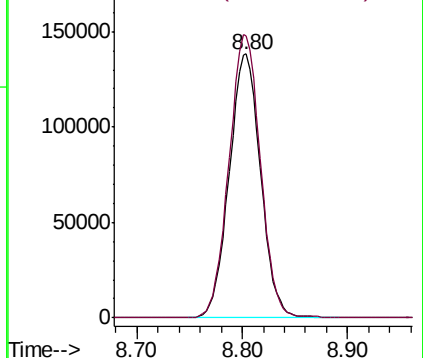
130 100

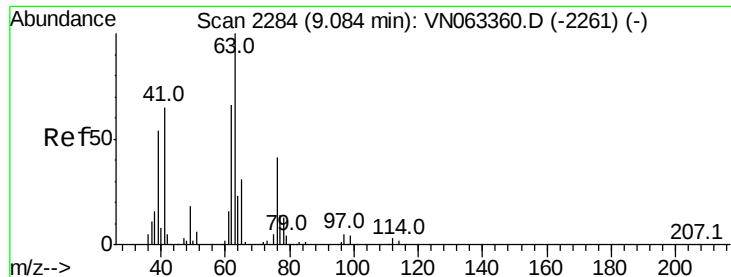
95 107.0 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#45

1,2-Dichloropropane

Concen: 0.311 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. -0.28 min

Lab File: VN063668.D

Acq: 25 Sep 2020 8:13

Instrument :

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ClientSampleId :

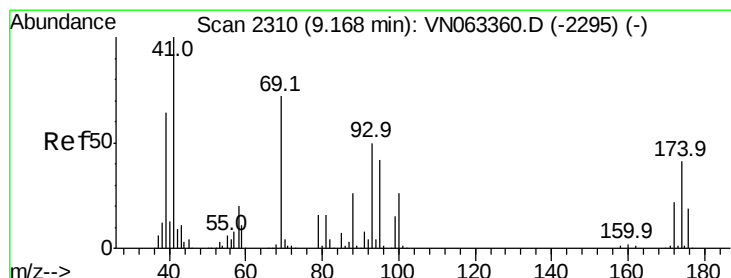
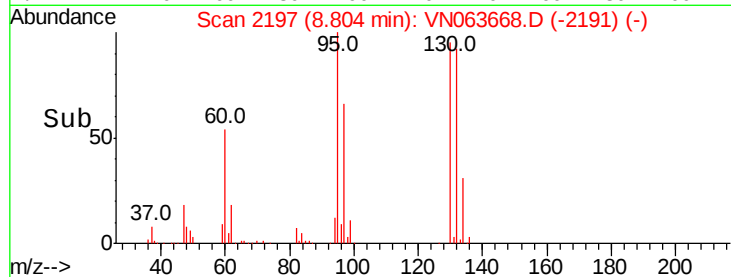
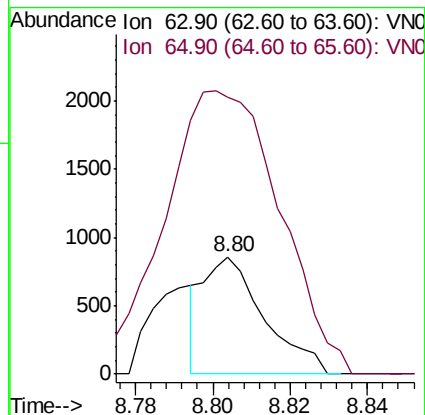
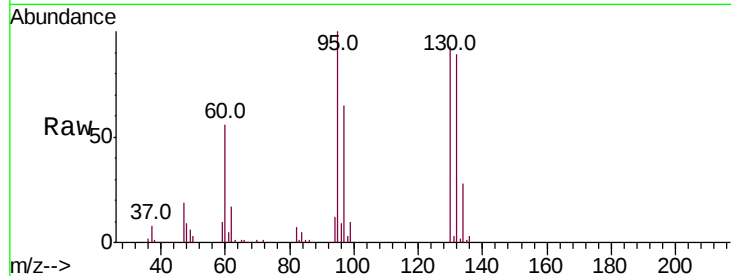
RE122D2-20200921

Tot Ion: 63 Resp: 929

Ion Ratio Lower Upper

63 100

65 216.7 25.0 37.6#



#49

1,4-Dioxane

Concen: 2.142 ug/l

RT: 9.16 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN063668.D

Acq: 25 Sep 2020 8:13

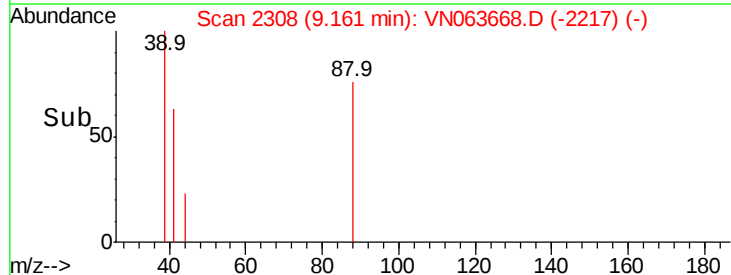
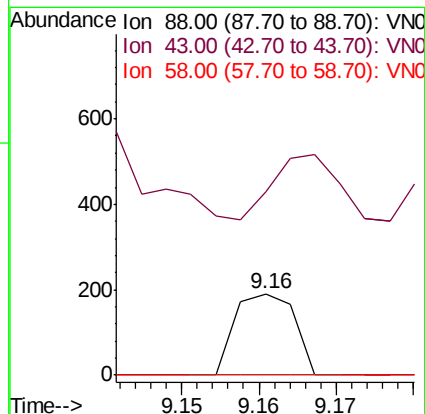
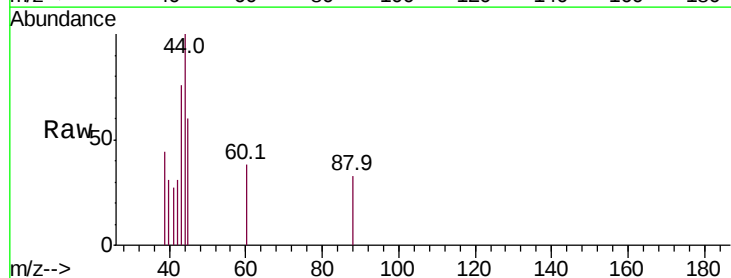
Tgt Ion: 88 Resp: 102

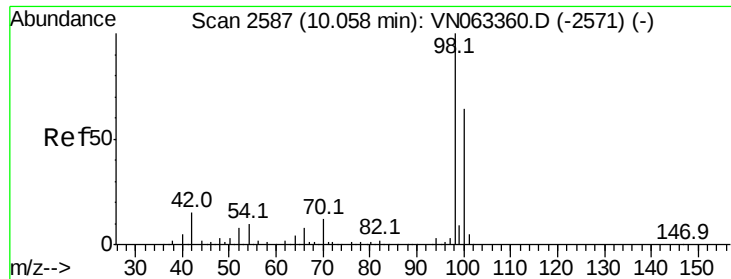
Ion Ratio Lower Upper

88 100

43 86.3 32.6 49.0#

58 0.0 60.0 90.0#





#50

Toluene-d8

Concen: 48.797 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063668.D

Acq: 25 Sep 2020 8:13

Instrument :

MSVOA_N

ClientSampleId :

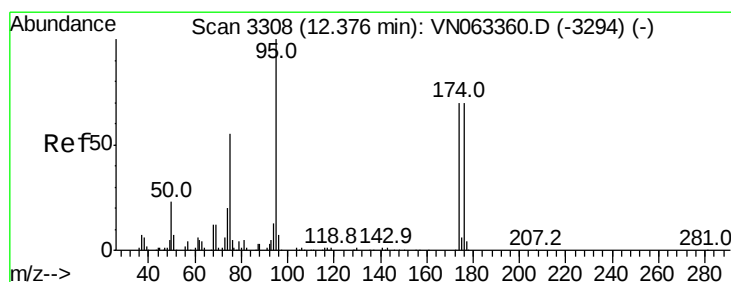
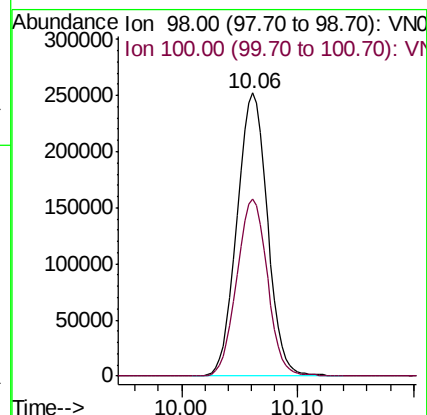
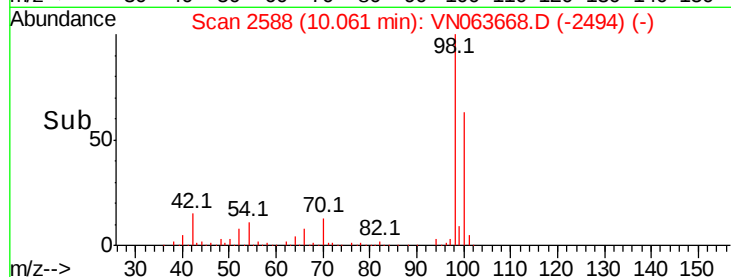
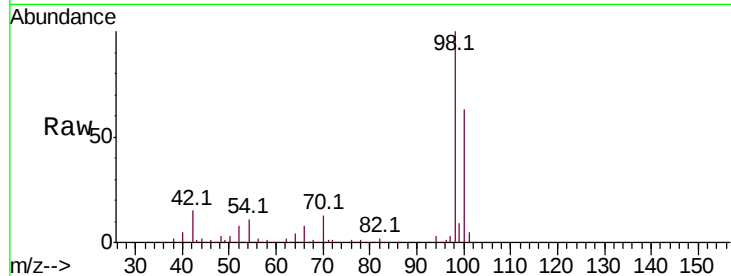
RE122D2-20200921

Tot Ion: 98 Resp: 458765

Ion Ratio Lower Upper

98 100

100 62.9 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 51.286 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063668.D

Acq: 25 Sep 2020 8:13

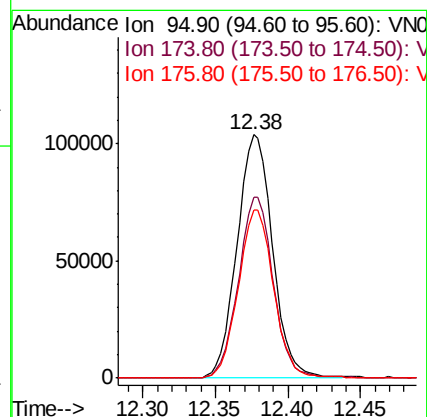
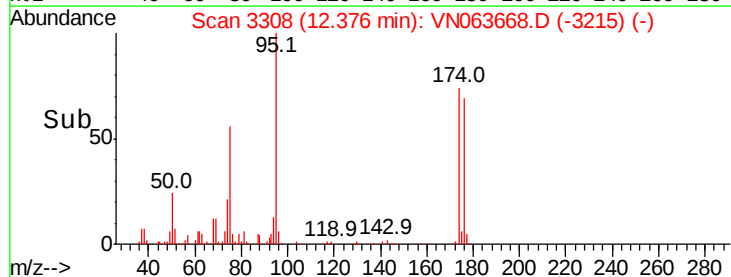
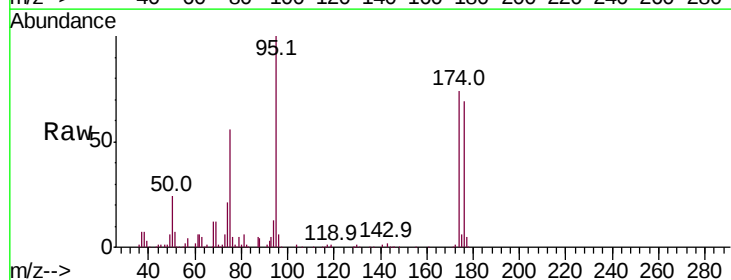
Tgt Ion: 95 Resp: 176752

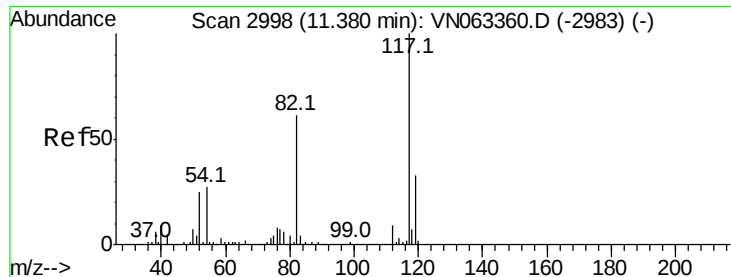
Ion Ratio Lower Upper

95 100

174 72.6 0.0 140.8

176 68.5 0.0 137.6

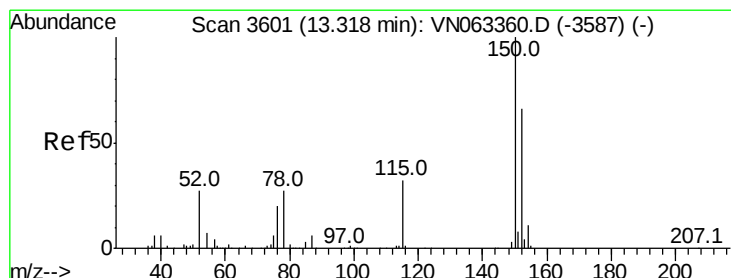
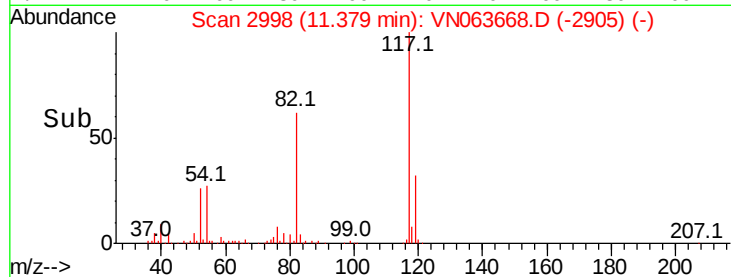
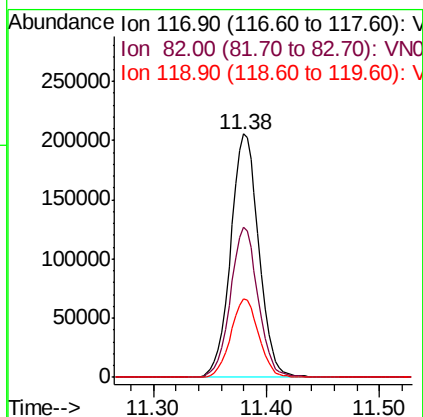
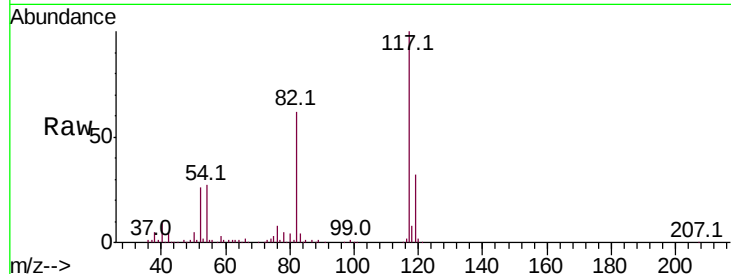




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063668.D
Acq: 25 Sep 2020 8:13

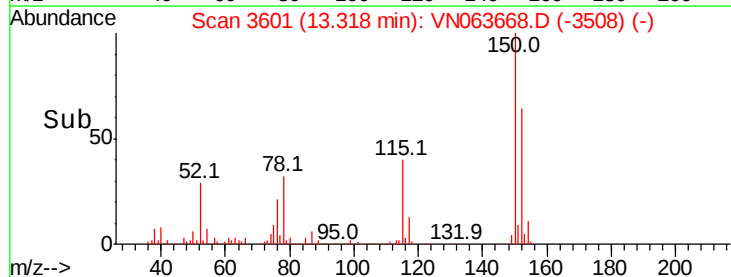
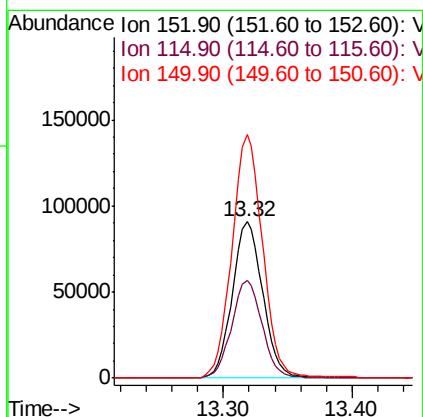
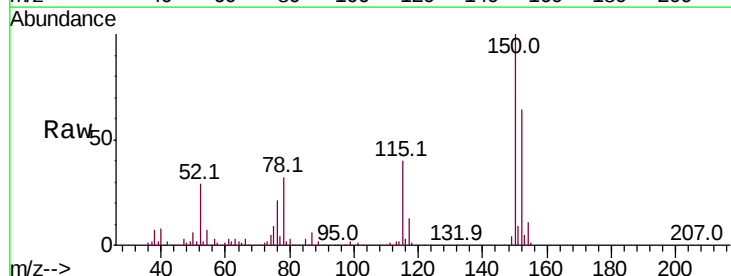
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20200921

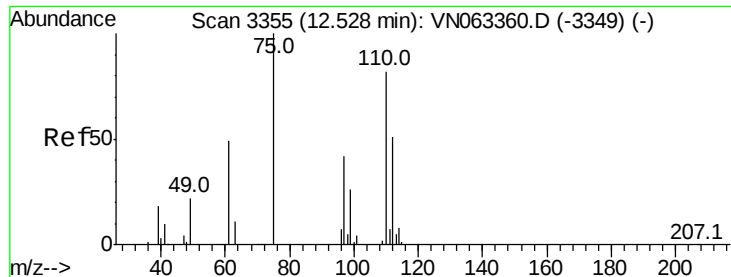
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	49.2	73.8
119	32.1	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063668.D
Acq: 25 Sep 2020 8:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	32.2	96.6
150	156.5	0.0	343.4





#76

1,2,3-Trichloropropane

Concen: 26.575 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063668.D

Acq: 25 Sep 2020 8:13

Instrument :

MSVOA_N

ClientSampleId :

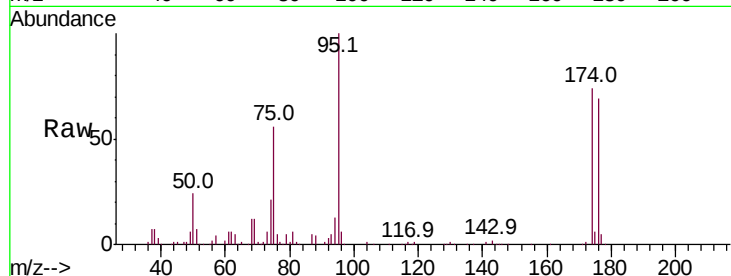
RE122D2-20200921

Tot Ion: 75 Resp: 98137

Ion Ratio Lower Upper

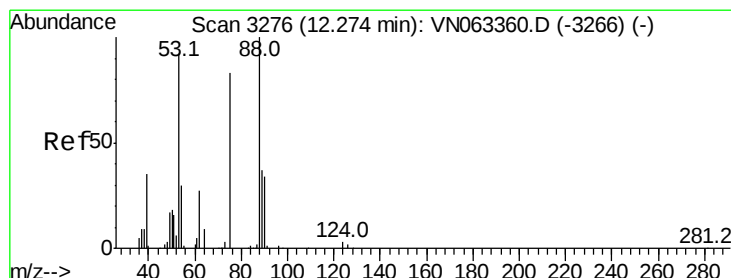
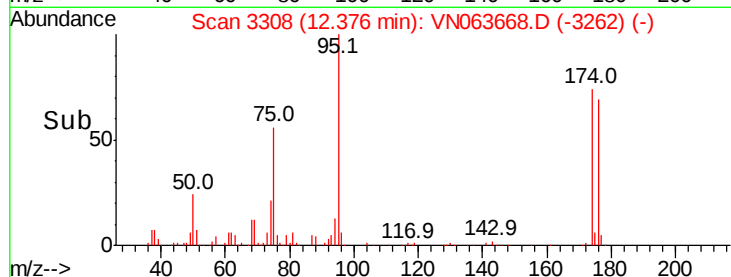
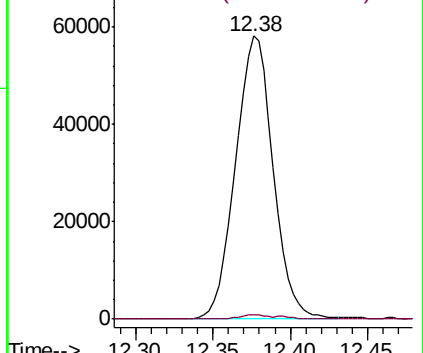
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 72.858 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063668.D

Acq: 25 Sep 2020 8:13

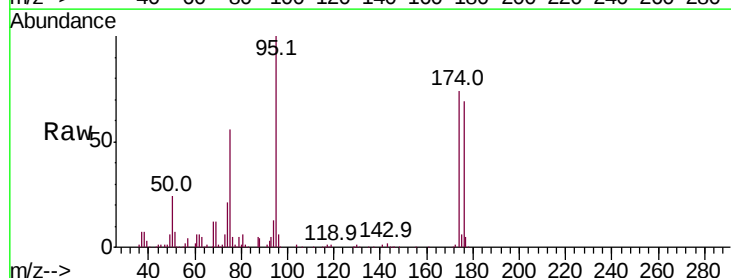
Tgt Ion: 75 Resp: 98137

Ion Ratio Lower Upper

75 100

53 0.2 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

