

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063539.D
 Acq On : 22 Sep 2020 17:43
 Operator : JC/MD
 Sample : L4082-20DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D1-20200916DL

Quant Time: Sep 23 04:02:23 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	225284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	413710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	421590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	187260	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	7.55	113	134789	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	10.06	98	533415	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.38	95	210391	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	

Target Compounds

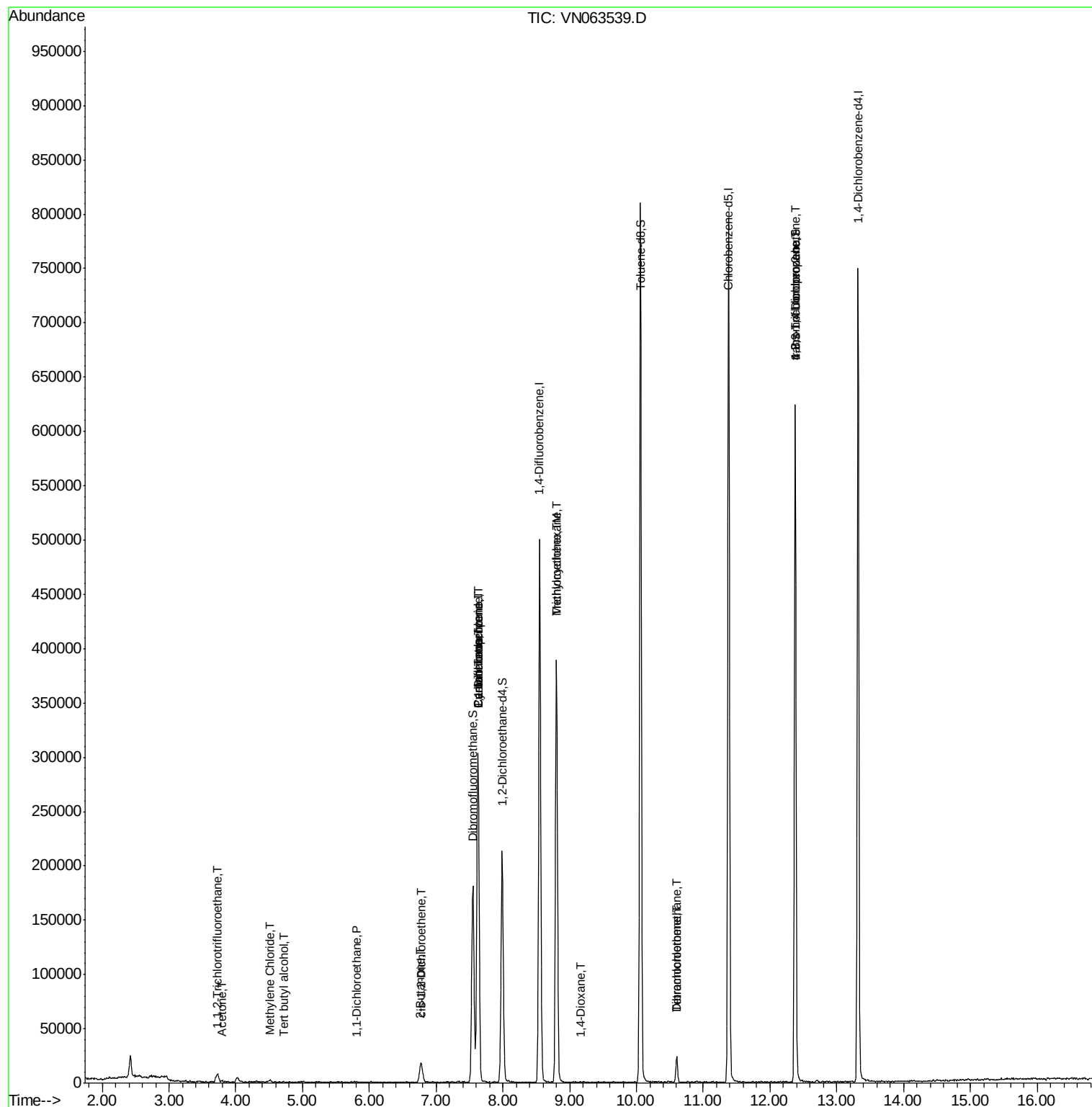
						Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4600	1.833	ug/l	99
11) Tert butyl alcohol	4.72	59	257	0.484	ug/l #	72
16) Acetone	3.78	43	1174	0.953	ug/l #	47
20) Methylene Chloride	4.50	84	633	0.203	ug/l #	63
24) 1,1-Dichloroethane	5.80	63	1243	0.222	ug/l #	84
25) 2-Butanone	6.76	43	947	0.500	ug/l #	51
27) cis-1,2-Dichloroethene	6.78	96	2538	0.796	ug/l	48
31) Cyclohexane	7.62	56	6676	1.260	ug/l #	45
36) 1,1-Dichloropropene	7.63	75	22112	5.017	ug/l #	50
38) Carbon Tetrachloride	7.63	117	25937	5.765	ug/l #	17
39) Methylcyclohexane	8.80	83	2050	0.429	ug/l #	1
44) Trichloroethene	8.80	130	129458	42.422	ug/l	100
49) 1,4-Dioxane	9.17	88	214	3.924	ug/l #	35
60) Dibromochloromethane	10.60	129	4954	1.459	ug/l #	10
64) Tetrachloroethene	10.60	164	4522	1.575	ug/l	93
76) 1,2,3-Trichloropropane	12.38	75	116753	26.763	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	116753	73.375	ug/l #	7

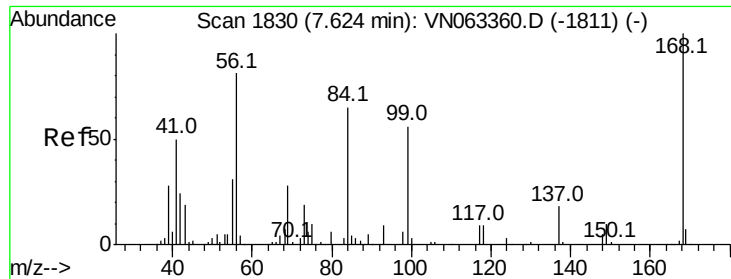
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063539.D

Acq: 22 Sep 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

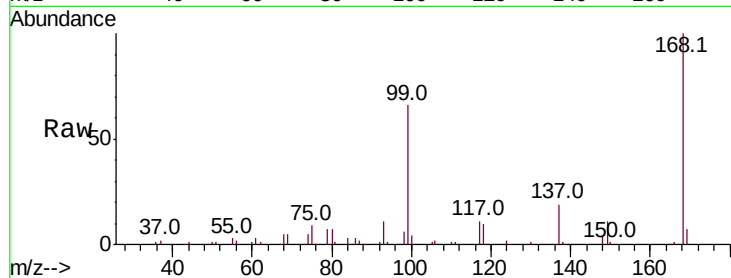
RE125D1-20200916DL

Tot Ion:168 Resp: 225284

Ion Ratio Lower Upper

168 100

99 65.6 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

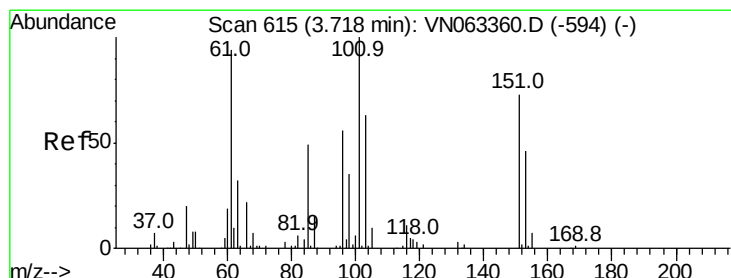
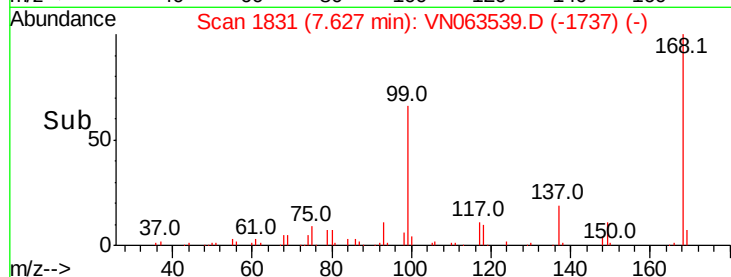
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.833 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN063539.D

Acq: 22 Sep 2020 17:43

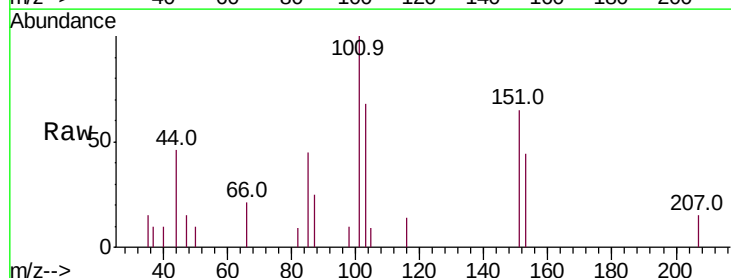
Tgt Ion:101 Resp: 4600

Ion Ratio Lower Upper

101 100

85 47.7 37.7 56.5

151 72.9 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.73

2000

1500

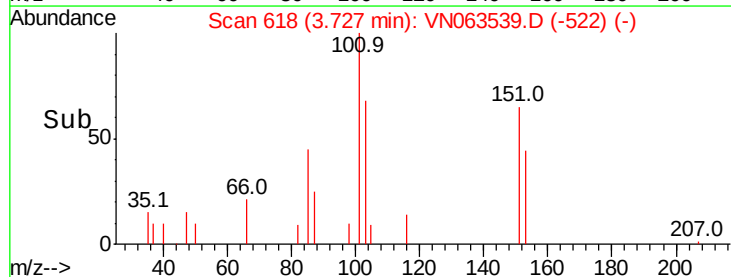
1000

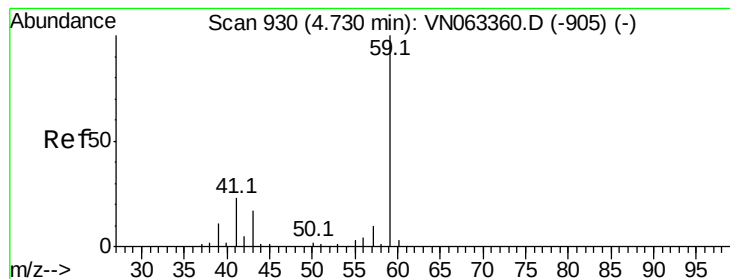
500

0

Time-->

3.65 3.70 3.75 3.80





#11

Tert butyl alcohol

Concen: 0.484 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN063539.D

Acq: 22 Sep 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

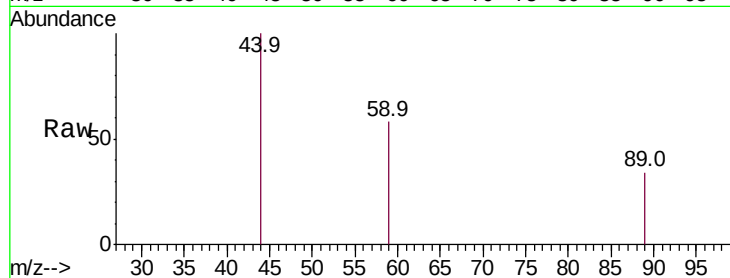
RE125D1-20200916DL

Tot Ion: 59 Resp: 257

Ion Ratio Lower Upper

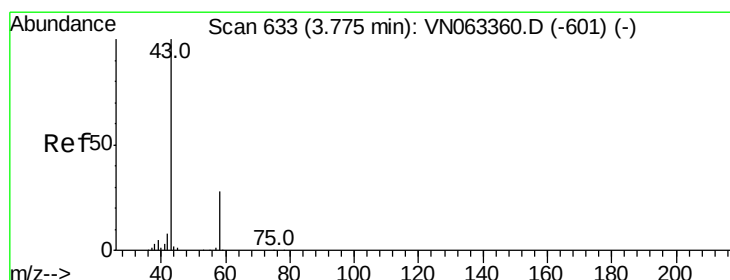
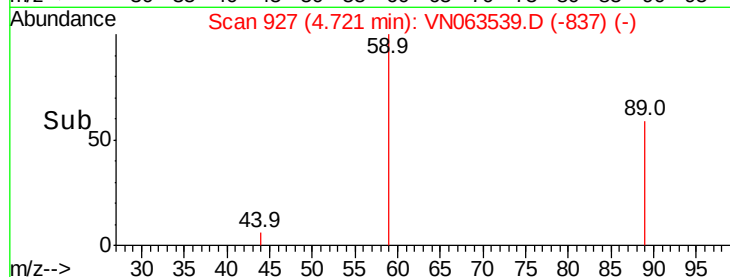
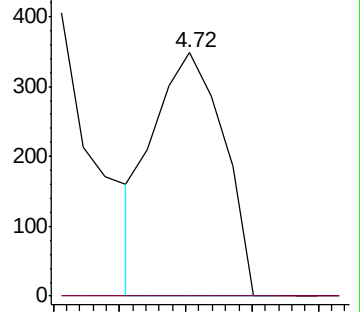
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: 0.953 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063539.D

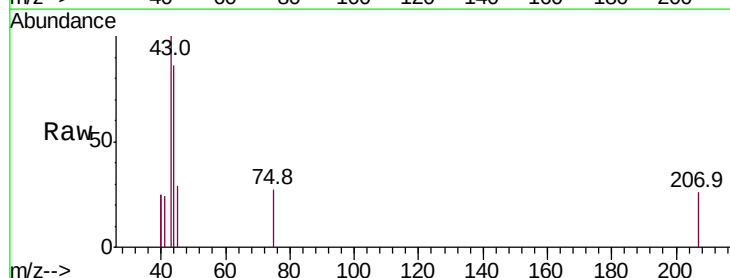
Acq: 22 Sep 2020 17:43

Tgt Ion: 43 Resp: 1174

Ion Ratio Lower Upper

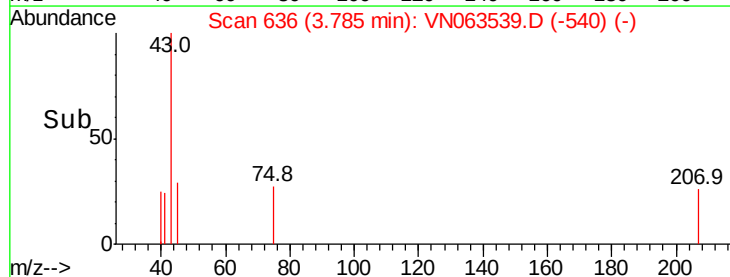
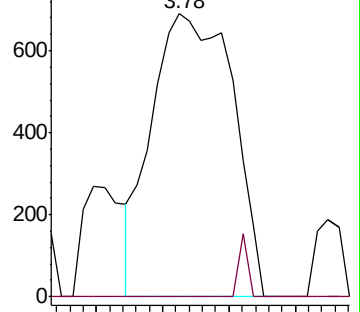
43 100

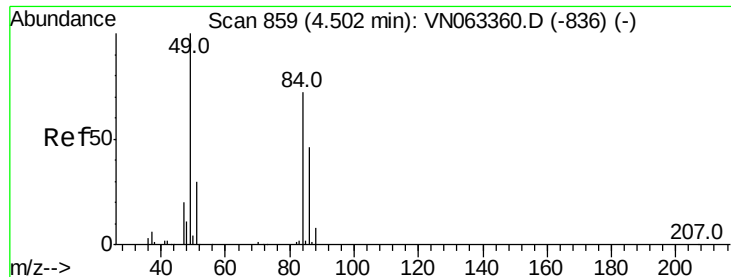
58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#20

Methylene Chloride

Concen: 0.203 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.01 min

Lab File: VN063539.D

Acq: 22 Sep 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

RE125D1-20200916DL

Tot Ion: 84 Resp: 633

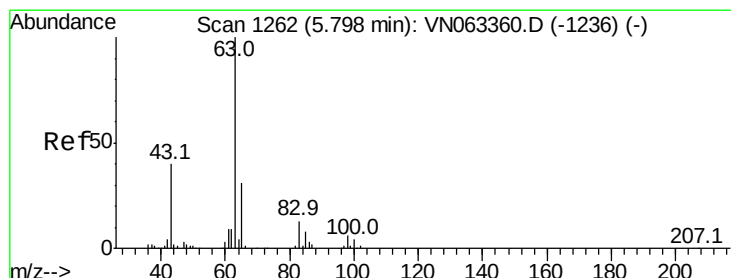
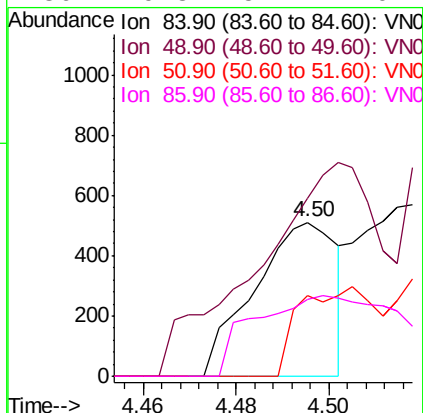
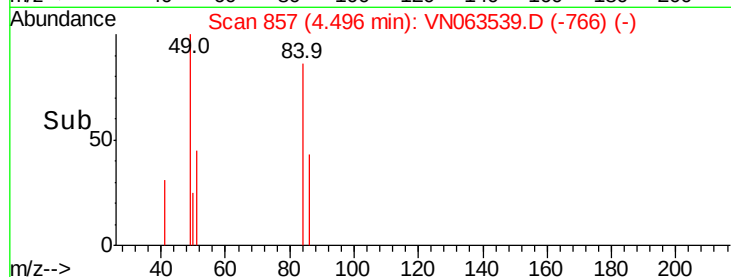
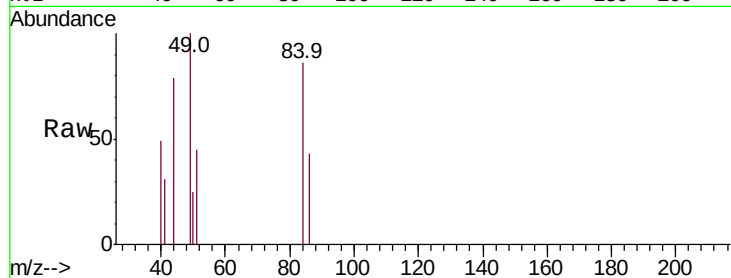
Ion Ratio Lower Upper

84 100

49 75.7 110.7 166.1#

51 52.4 32.9 49.3#

86 49.8 51.1 76.7#



#24

1,1-Dichloroethane

Concen: 0.222 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063539.D

Acq: 22 Sep 2020 17:43

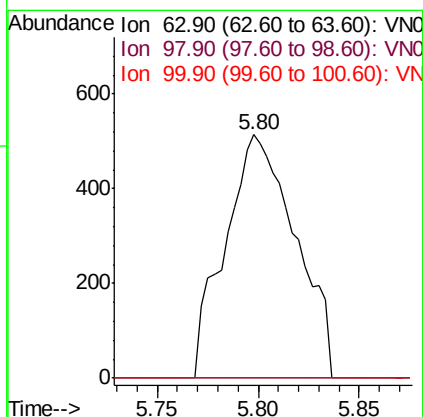
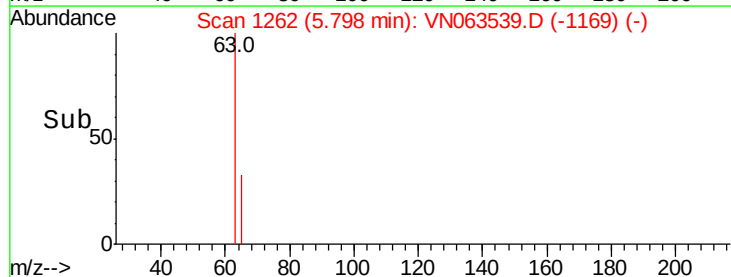
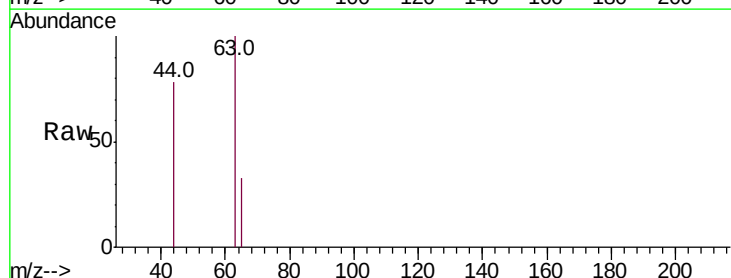
Tgt Ion: 63 Resp: 1243

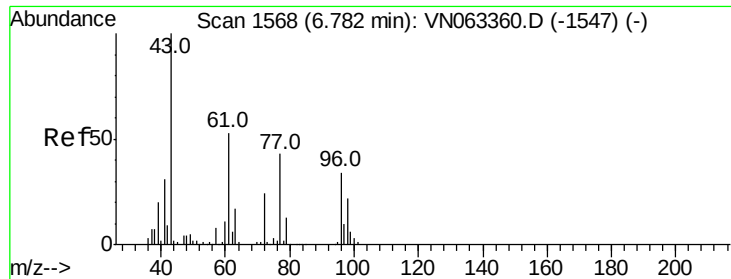
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 2.1 6.3#

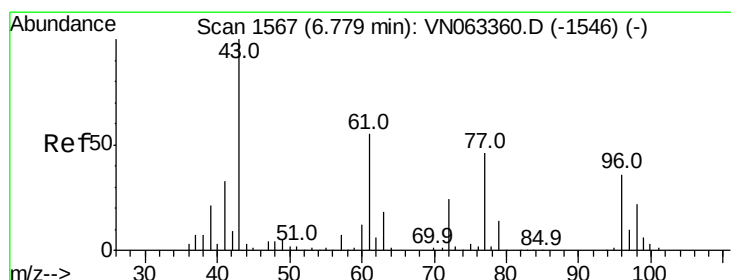
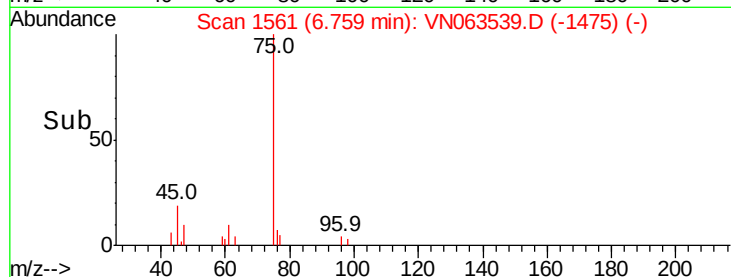
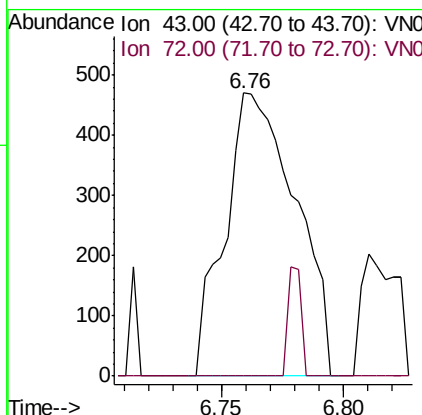
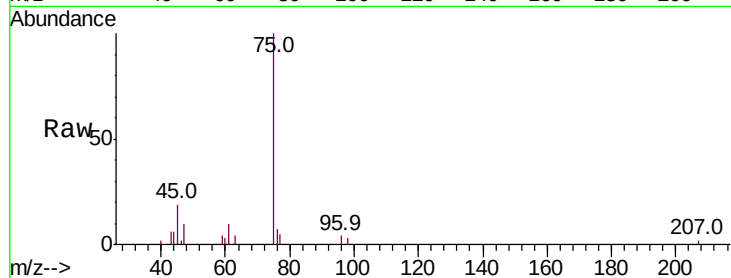




#25
2-Butanone
Concen: 0.500 ug/l
RT: 6.76 min Scan# 1561
Delta R.T. -0.02 min
Lab File: VN063539.D
Acq: 22 Sep 2020 17:43

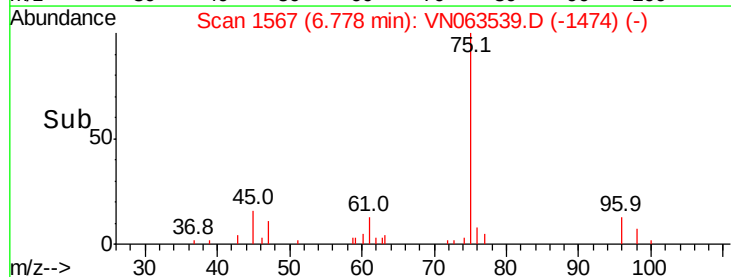
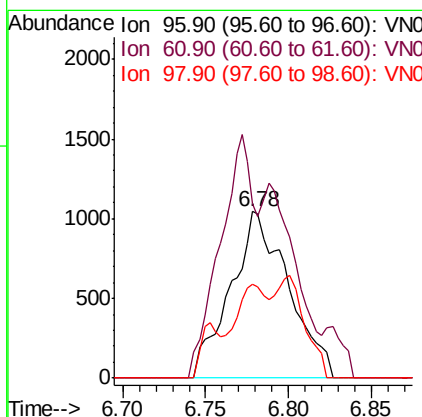
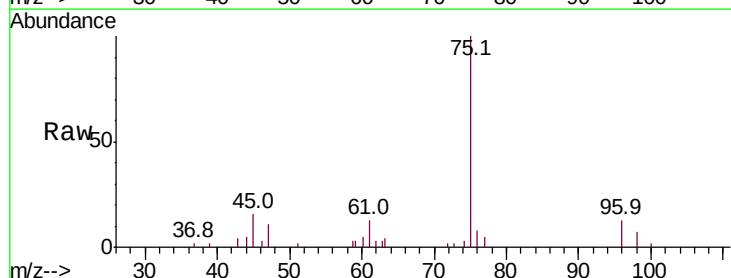
Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20200916DL

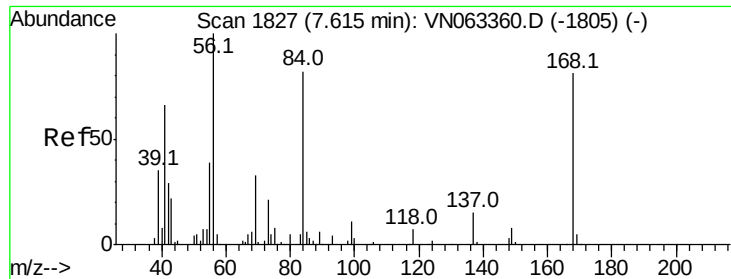
Tot Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#27
cis-1,2-Dichloroethene
Concen: 0.796 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN063539.D
Acq: 22 Sep 2020 17:43

Tgt Ion: 96 Resp: 2538
Ion Ratio Lower Upper
96 100
61 87.5 0.0 319.6
98 29.7 0.0 127.8

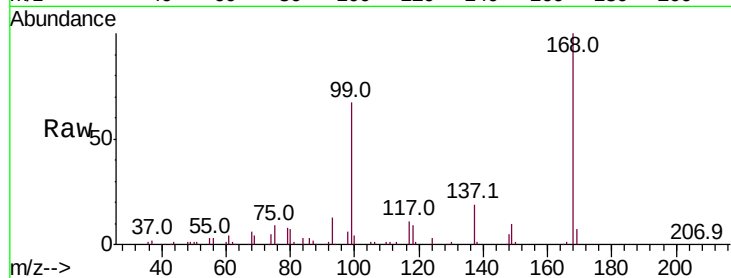




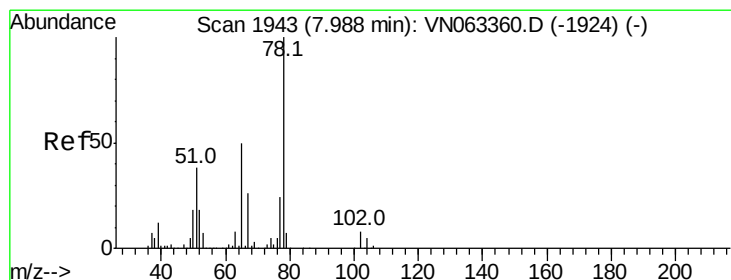
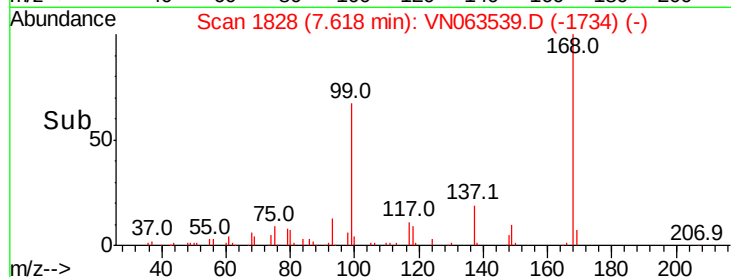
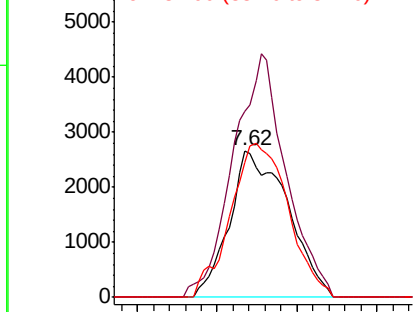
#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063539.D
Acq: 22 Sep 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20200916DL

Tot Ion: 56 Resp: 6676
Ion Ratio Lower Upper
56 100
69 126.4 26.1 39.1#
84 91.7 65.4 98.2

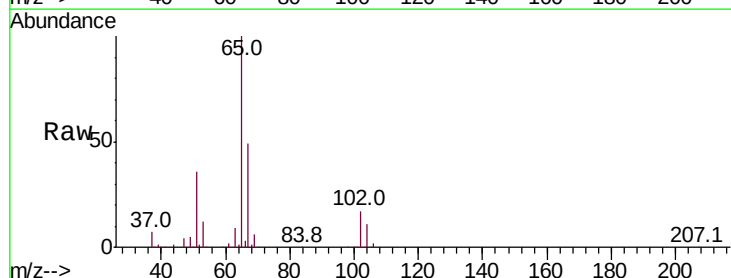


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

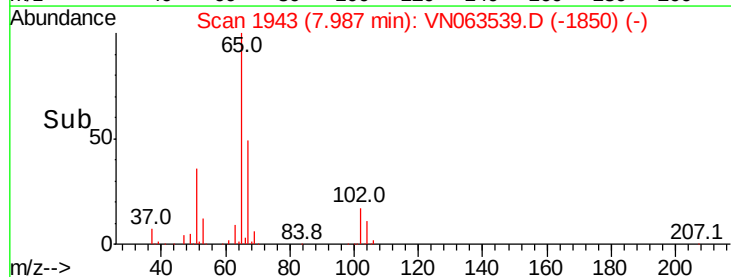
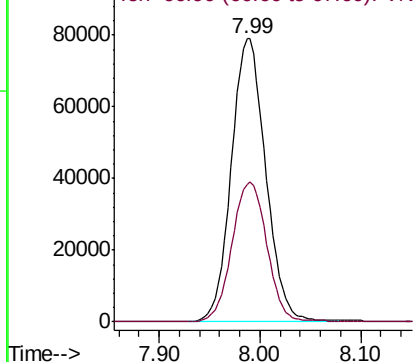


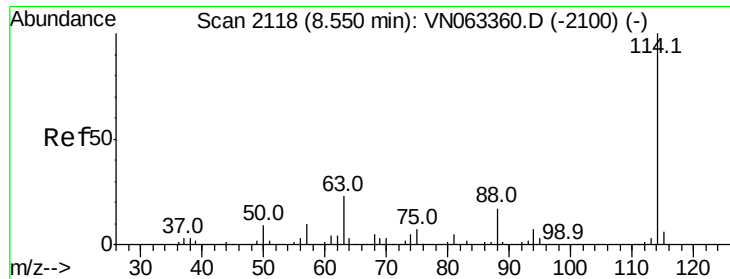
#33
1,2-Dichloroethane-d4
Concen: 48.830 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063539.D
Acq: 22 Sep 2020 17:43

Tgt Ion: 65 Resp: 187260
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

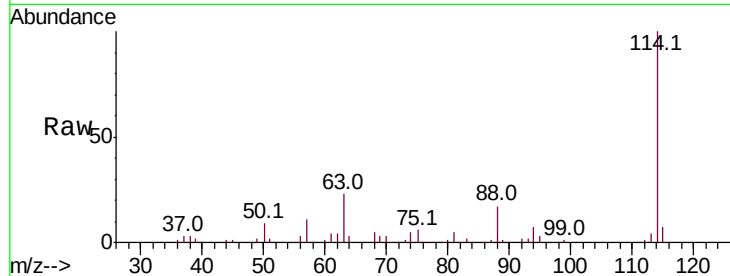




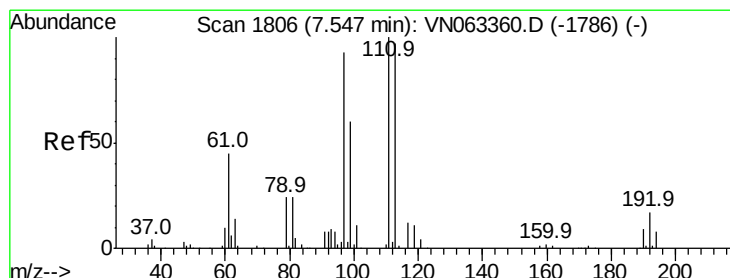
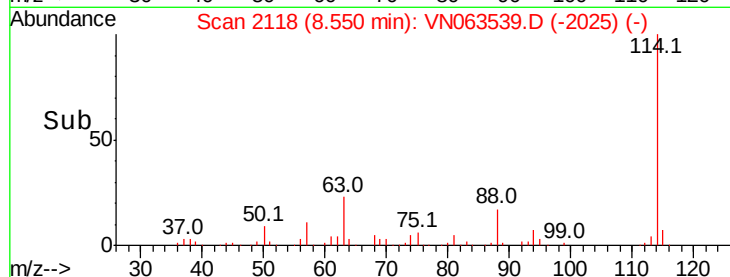
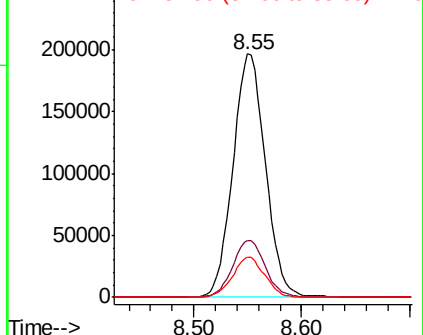
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063539.D
 Acq: 22 Sep 2020 17:43

Instrument :
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 RE125D1-20200916DL

Tot Ion:	114	Resp:	413710
Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	46.4
88	16.7	0.0	33.2

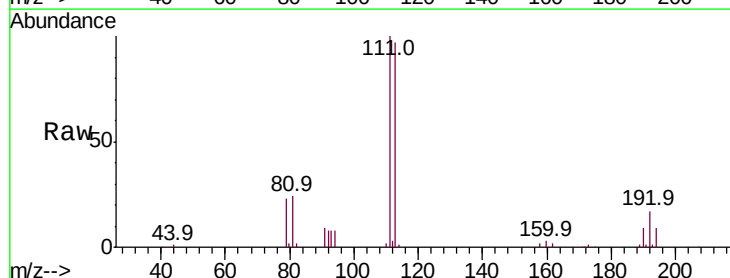


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

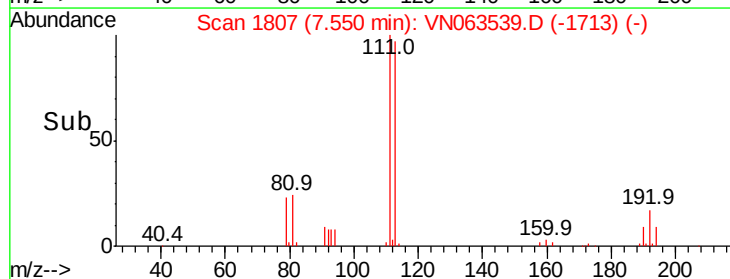
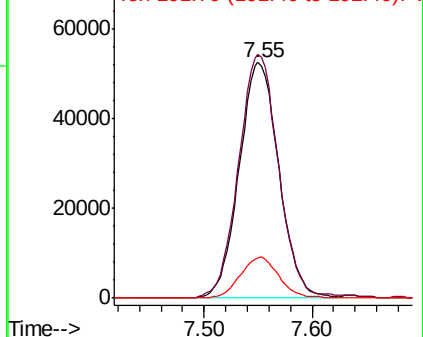


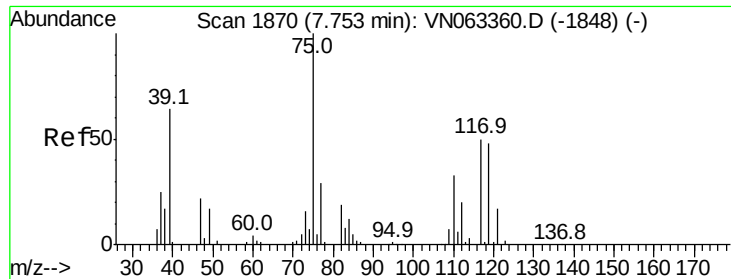
#35
 Dibromofluoromethane
 Concen: 47.063 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063539.D
 Acq: 22 Sep 2020 17:43

Tgt Ion:	113	Resp:	134789
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.9	124.3
192	16.9	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

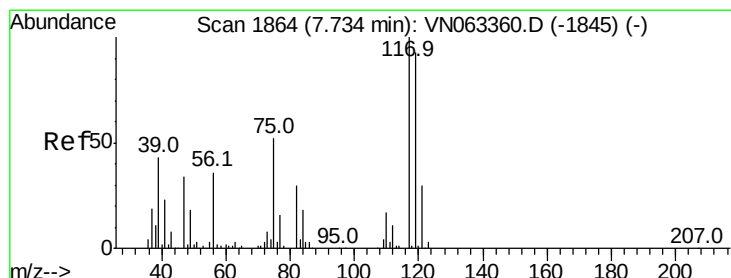
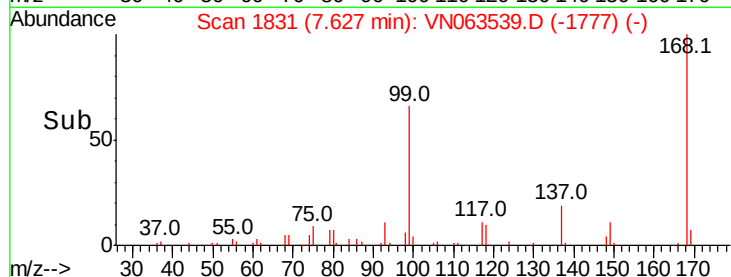
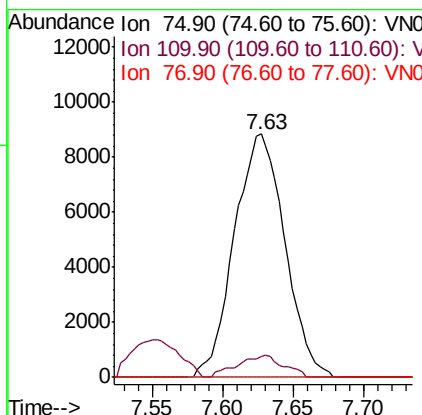
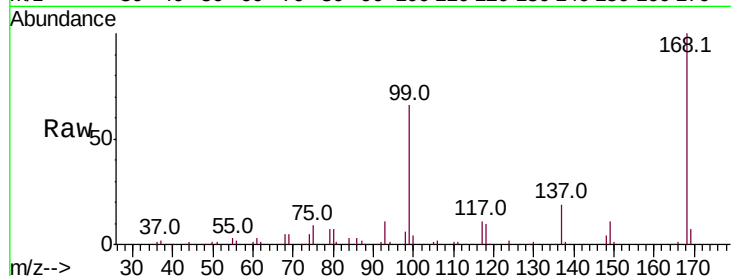




#36
 1,1-Dichloropropene
 Concen: 5.017 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063539.D
 Acq: 22 Sep 2020 17:43

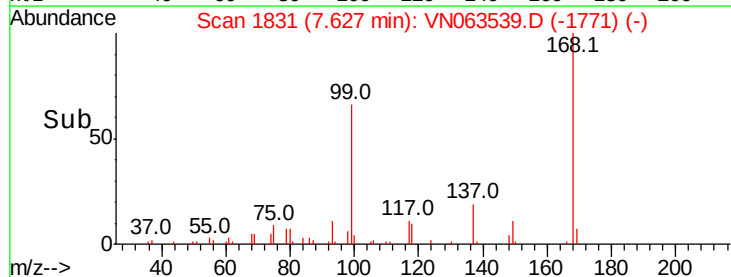
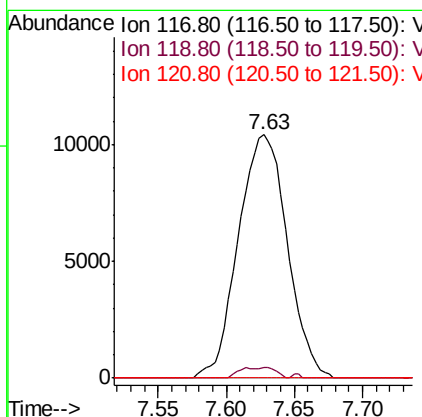
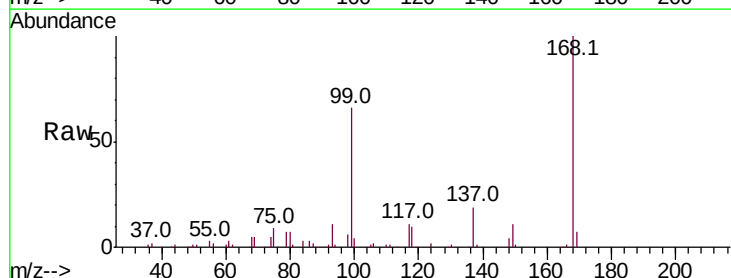
Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D1-20200916DL

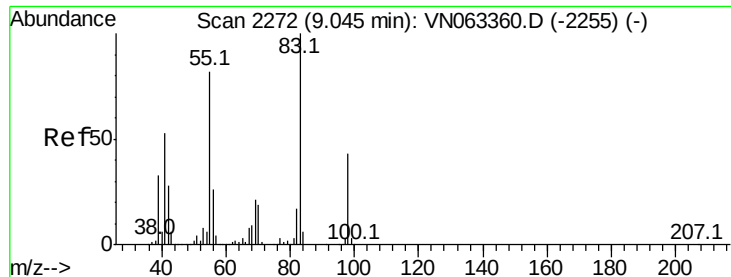
Tot Ion: 75 Resp: 22112
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.5 49.5#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.765 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063539.D
 Acq: 22 Sep 2020 17:43

Tgt Ion: 117 Resp: 25937
 Ion Ratio Lower Upper
 117 100
 119 4.5 74.5 111.7#
 121 0.0 24.1 36.1#

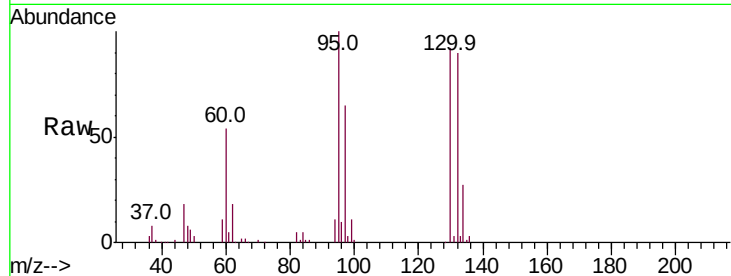




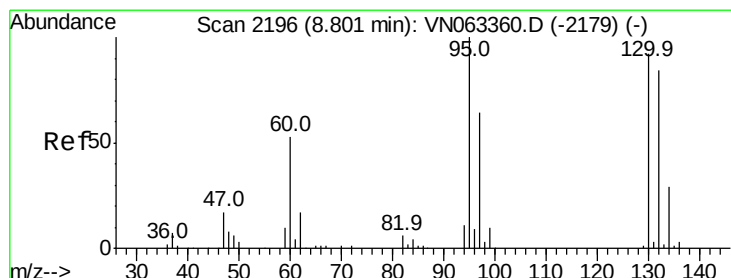
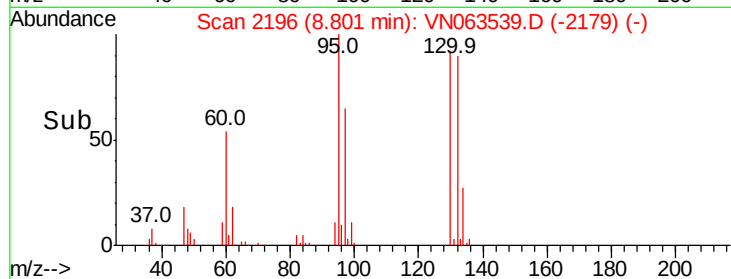
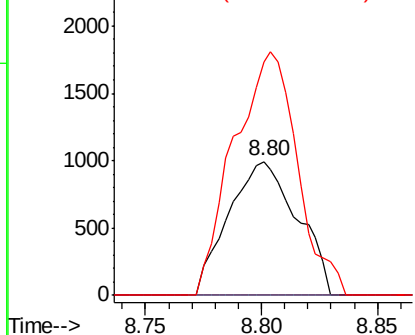
#39
Methylvlcyclohexane
Concen: 0.429 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VN063539.D
Acq: 22 Sep 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20200916DL

Tot Ion: 83 Resp: 2050
Ion Ratio Lower Upper
83 100
55 0.0 65.5 98.3#
98 174.8 34.2 51.4#

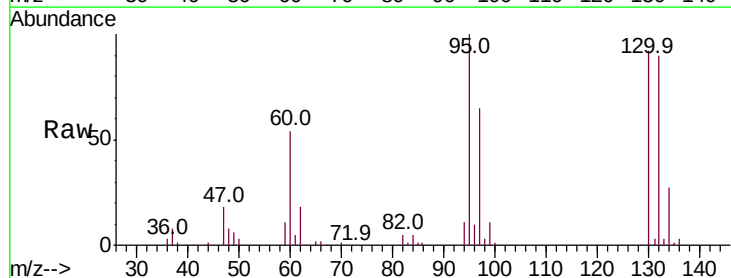


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

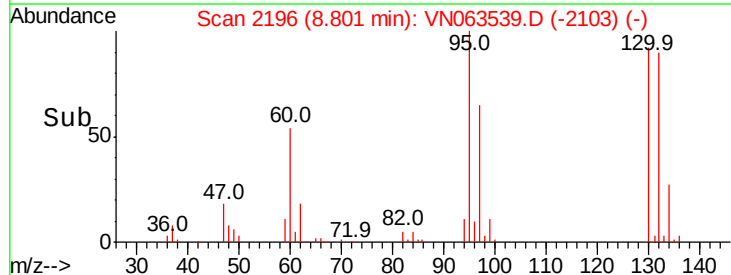
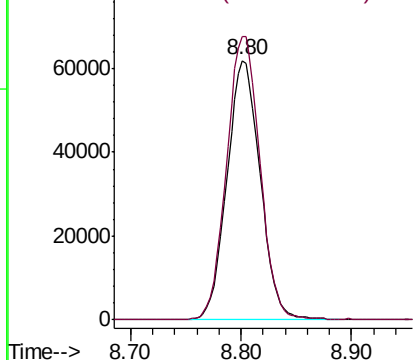


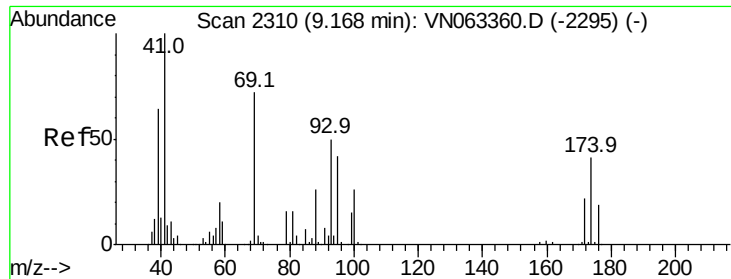
#44
Trichloroethene
Concen: 42.422 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063539.D
Acq: 22 Sep 2020 17:43

Tgt Ion:130 Resp: 129458
Ion Ratio Lower Upper
130 100
95 108.9 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#49

1,4-Dioxane

Concen: 3.924 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN063539.D

Acq: 22 Sep 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

RE125D1-20200916DL

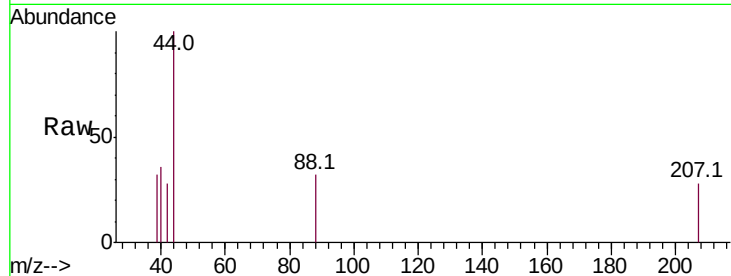
Tot Ion: 88 Resp: 214

Ion Ratio Lower Upper

88 100

43 27.1 32.6 49.0#

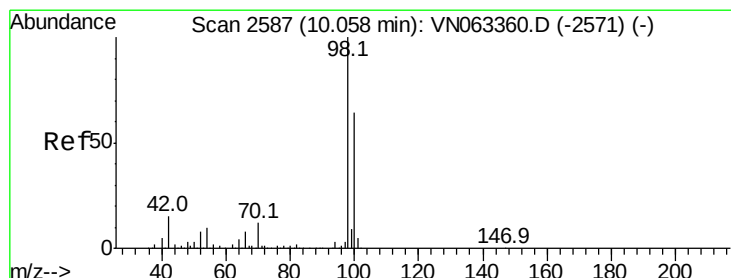
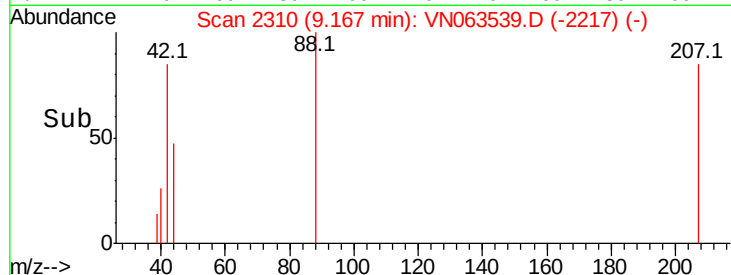
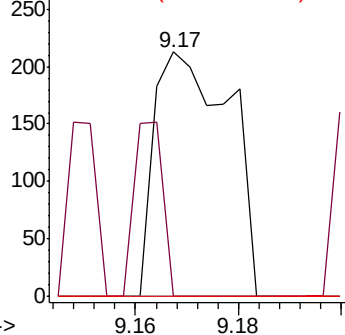
58 0.0 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.531 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063539.D

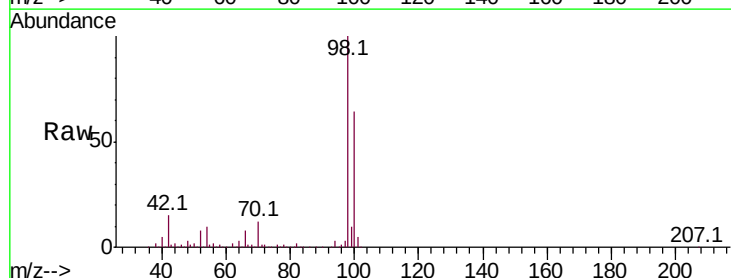
Acq: 22 Sep 2020 17:43

Tgt Ion: 98 Resp: 533415

Ion Ratio Lower Upper

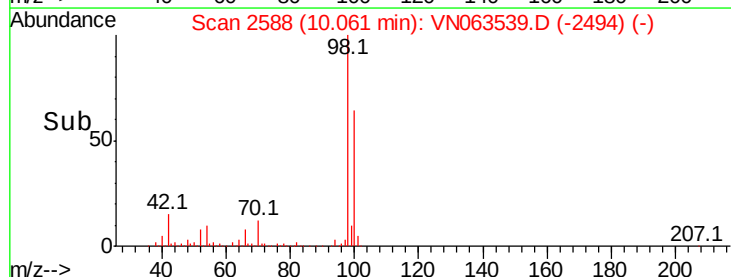
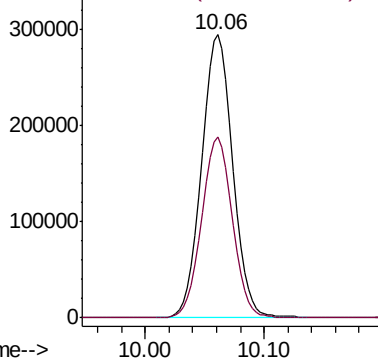
98 100

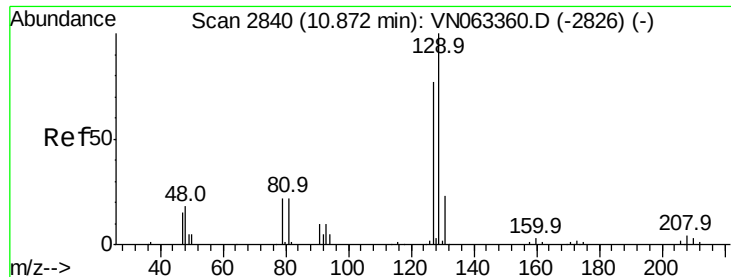
100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#60

Dibromochloromethane

Concen: 1.459 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN063539.D

Acq: 22 Sep 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

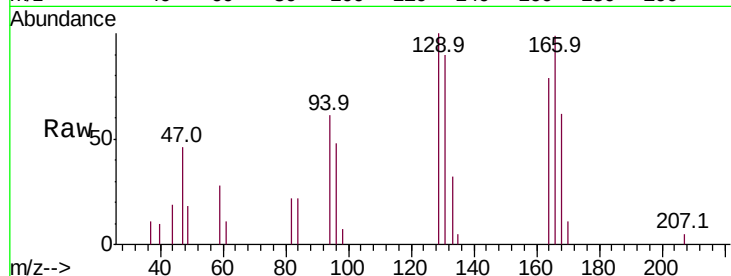
RE125D1-20200916DL

Tot Ion:129 Resp: 4954

Ion Ratio Lower Upper

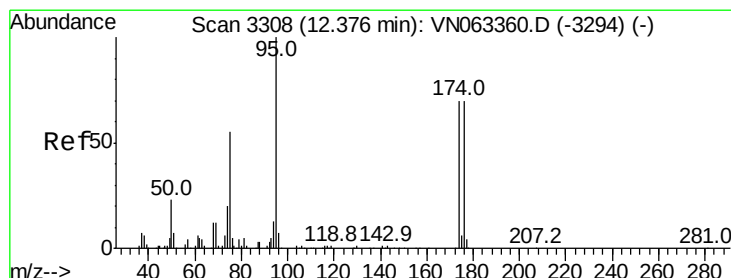
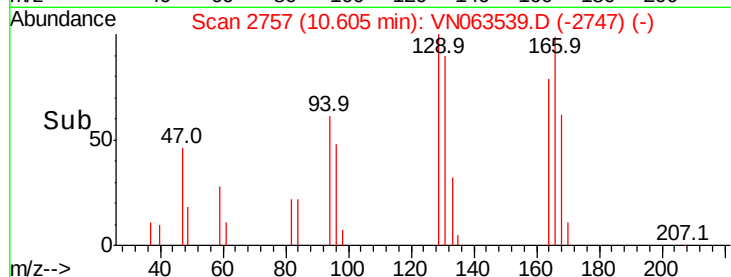
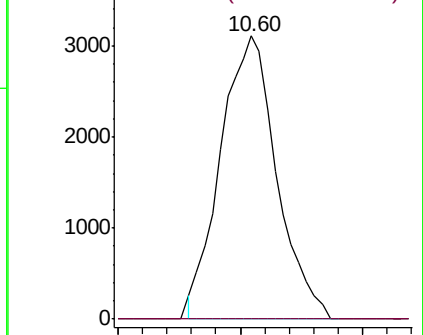
129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 53.293 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063539.D

Acq: 22 Sep 2020 17:43

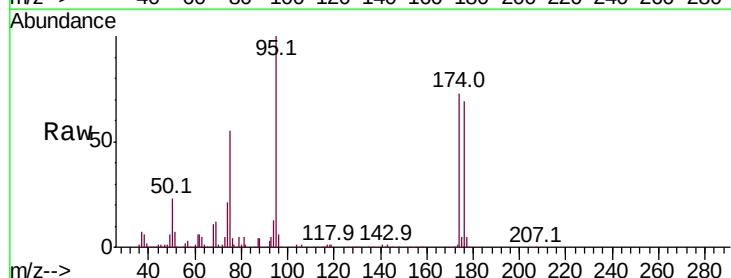
Tgt Ion: 95 Resp: 210391

Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.8

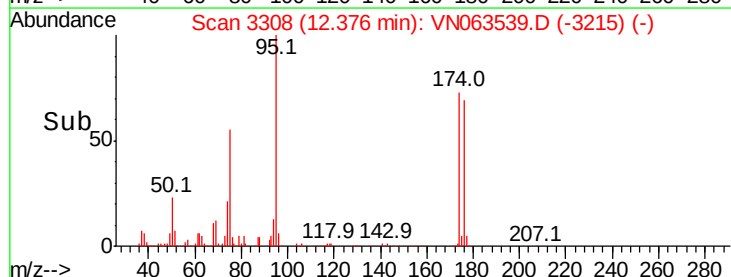
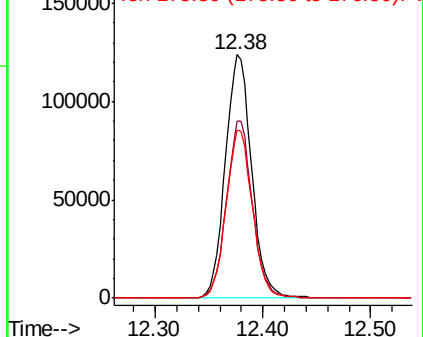
176 68.8 0.0 137.6

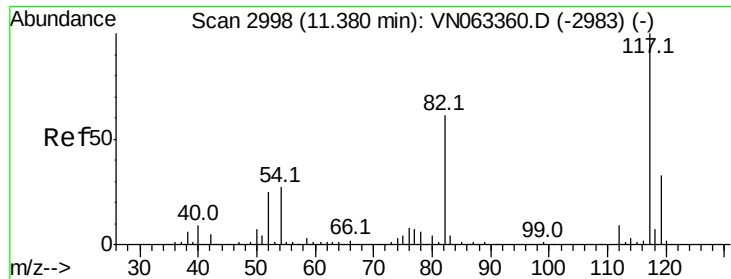


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

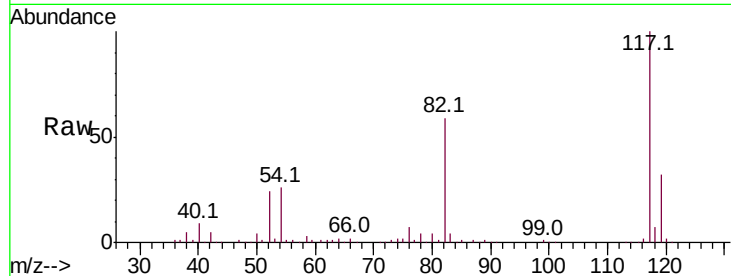




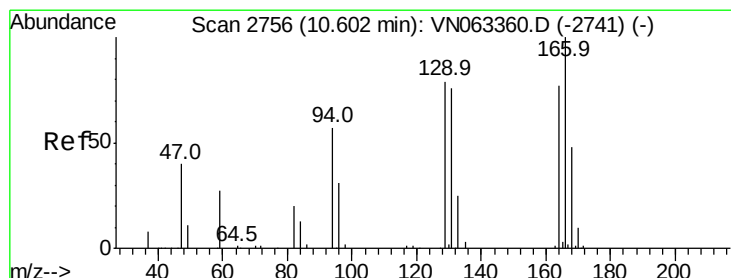
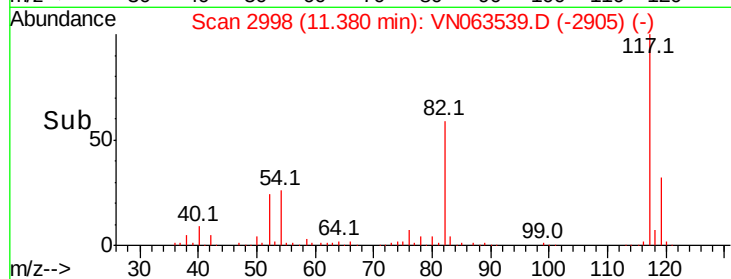
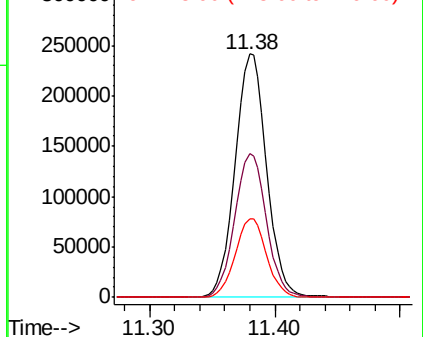
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063539.D
Acq: 22 Sep 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
RE125D1-20200916DL

Tot Ion:117 Resp: 421590
Ion Ratio Lower Upper
117 100
82 58.8 49.2 73.8
119 32.4 26.2 39.4

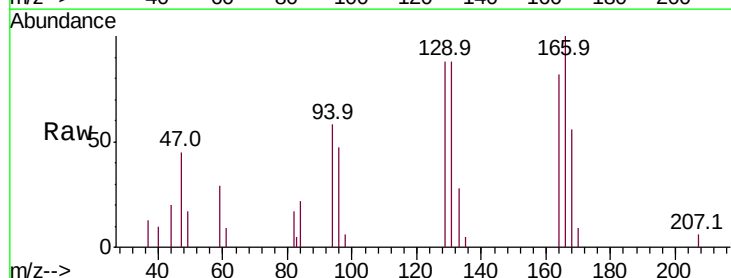


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

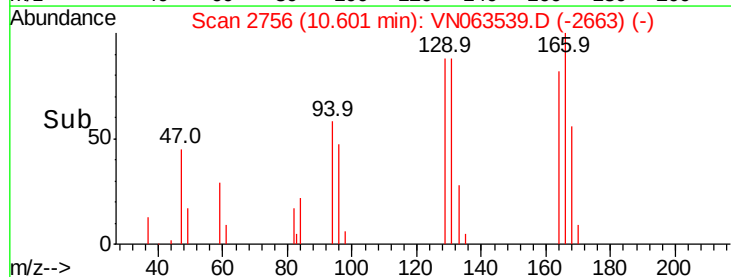
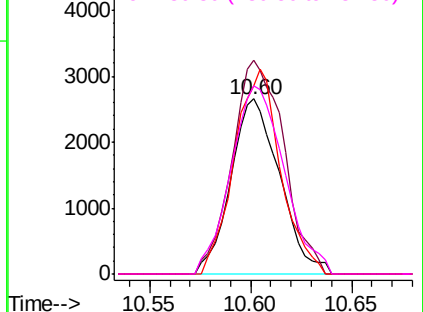


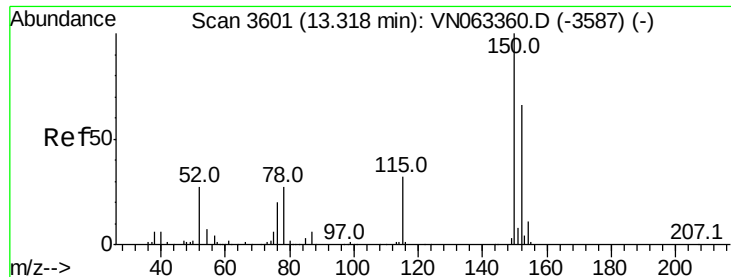
#64
Tetrachloroethene
Concen: 1.575 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063539.D
Acq: 22 Sep 2020 17:43

Tgt Ion:164 Resp: 4522
Ion Ratio Lower Upper
164 100
166 121.9 103.4 155.0
129 107.3 81.8 122.6
131 107.5 78.2 117.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063539.D

Acq: 22 Sep 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

RE125D1-20200916DL

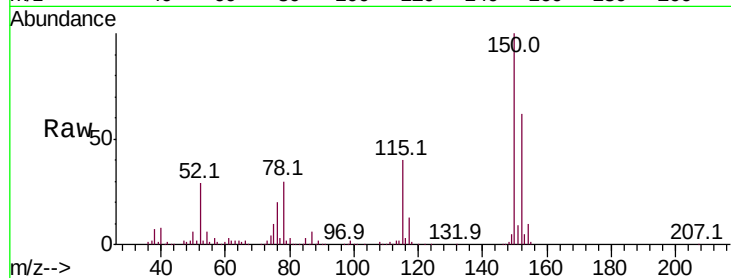
Tot Ion:152 Resp: 176249

Ion Ratio Lower Upper

152 100

115 63.8 32.2 96.6

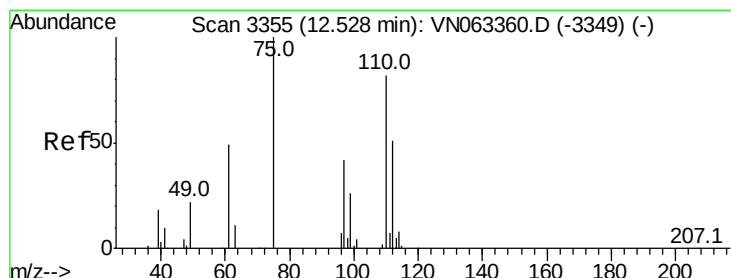
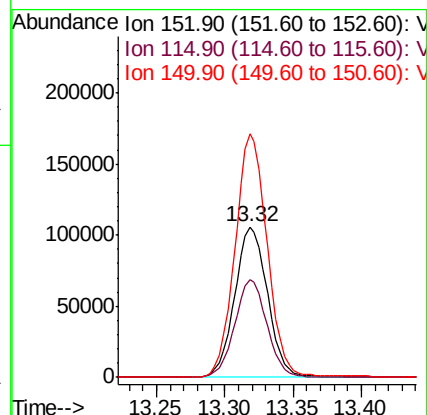
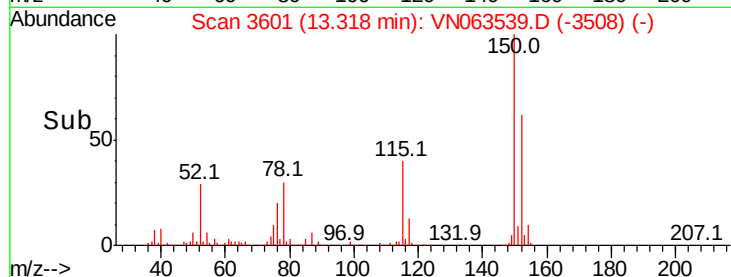
150 159.0 0.0 343.4



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: 26.763 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063539.D

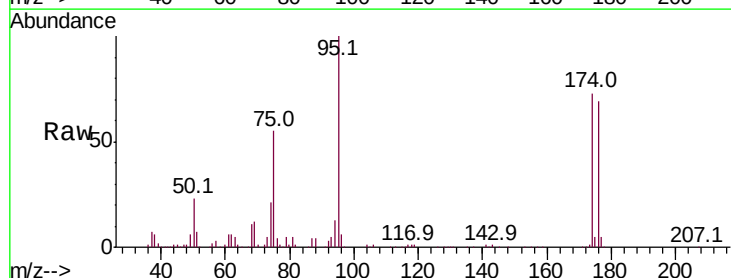
Acq: 22 Sep 2020 17:43

Tgt Ion: 75 Resp: 116753

Ion Ratio Lower Upper

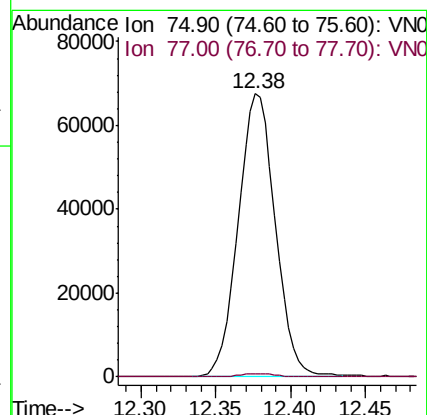
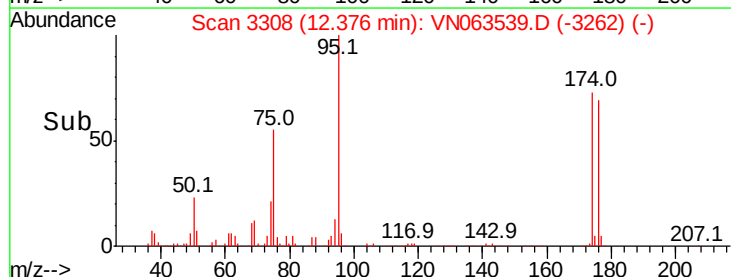
75 100

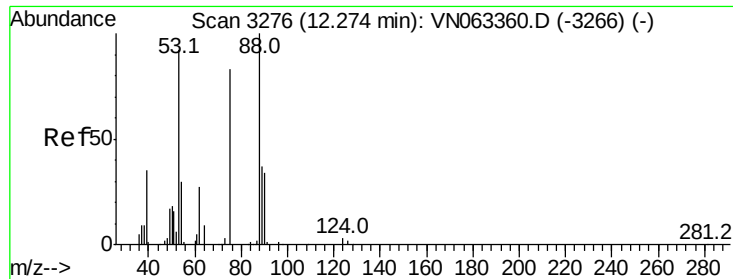
77 1.2 0.0 0.0#



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: 73.375 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063539.D

Acq: 22 Sep 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

RE125D1-20200916DL

Tot Ion: 75 Resp: 116753

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

