

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063686.D
 Acq On : 25 Sep 2020 18:19
 Operator : JC/MD
 Sample : L4119-08DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D2-20200921DL

Quant Time: Sep 28 02:04:01 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	185137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	345647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	357746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152889	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	164213	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	7.55	113	118111	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	10.06	98	450339	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.38	95	177163	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	

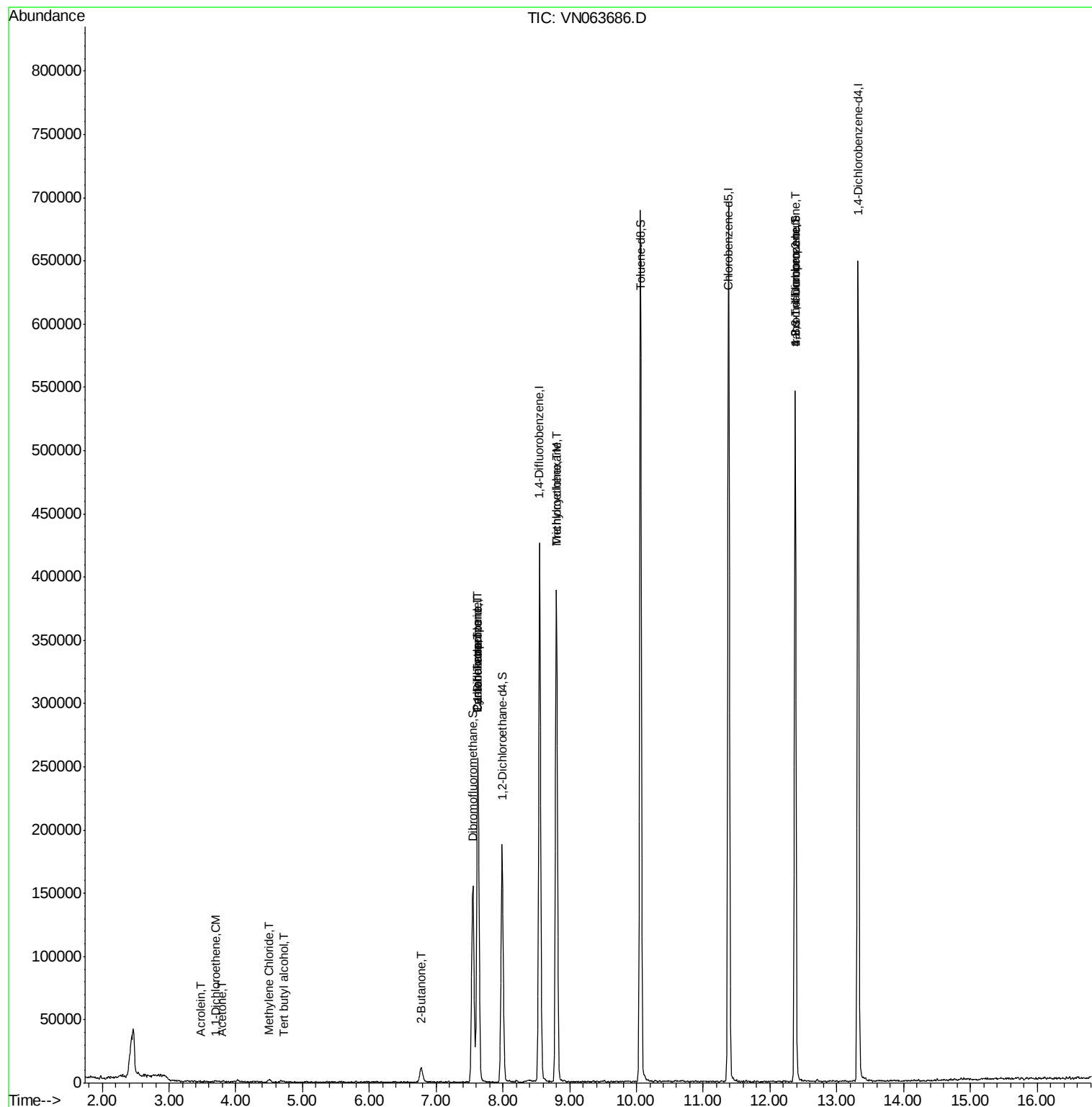
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	92	0.211	ug/l #	72
12) 1,1-Dichloroethene	3.70	96	503	0.241	ug/l #	1
13) Acrolein	3.47	56	68	0.420	ug/l #	13
16) Acetone	3.78	43	220	0.217	ug/l #	1
20) Methylene Chloride	4.51	84	1246	0.486	ug/l #	41
25) 2-Butanone	6.78	43	496	0.318	ug/l #	51
31) Cyclohexane	7.62	56	5775	1.327	ug/l #	43
36) 1,1-Dichloropropene	7.62	75	17063	4.634	ug/l #	52
38) Carbon Tetrachloride	7.63	117	20676	5.500	ug/l #	17
39) Methylcyclohexane	8.80	83	1669	0.418	ug/l #	1
44) Trichloroethene	8.80	130	130088	51.023	ug/l	98
76) 1,2,3-Trichloropropane	12.38	75	101109	26.719	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	101109	73.252	ug/l #	7

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

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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: VN063686.D

Acq: 25 Sep 2020 18:19

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MSVOA_N

ClientSampleId :

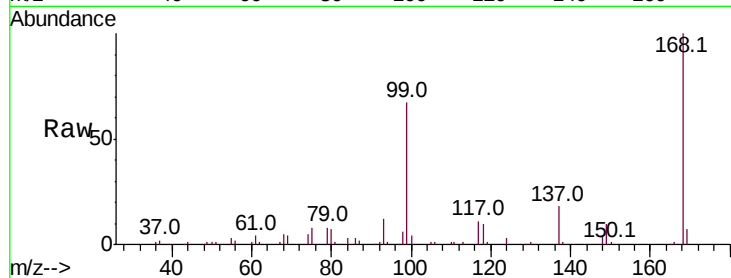
RE126D2-20200921DL

Tot Ion:168 Resp: 185137

Ion Ratio Lower Upper

168 100

99 66.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): VN063360.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-1811) (-)

7.63

80000

60000

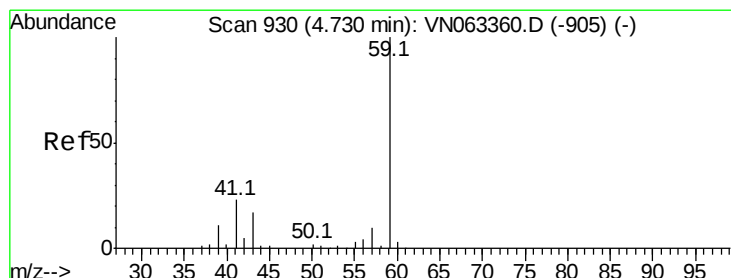
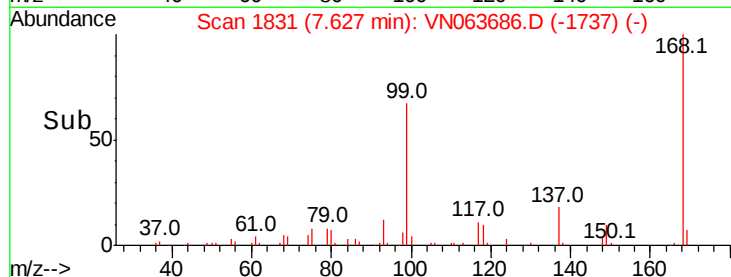
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.211 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN063686.D

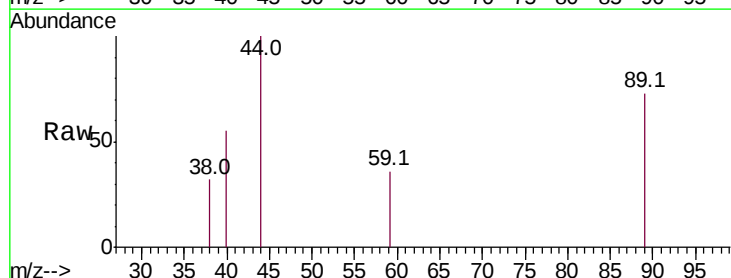
Acq: 25 Sep 2020 18:19

Tgt Ion: 59 Resp: 92

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN063360.D (-905) (-)

Ion 57.00 (56.70 to 57.70): VN063360.D (-905) (-)

250

200

150

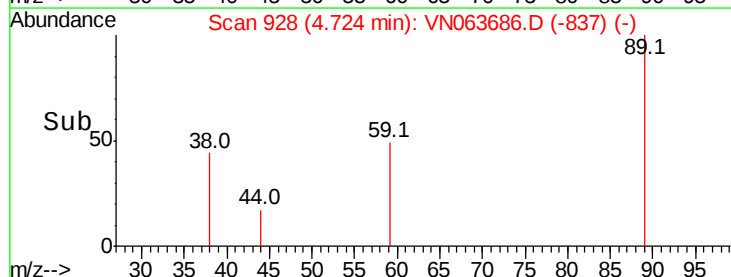
100

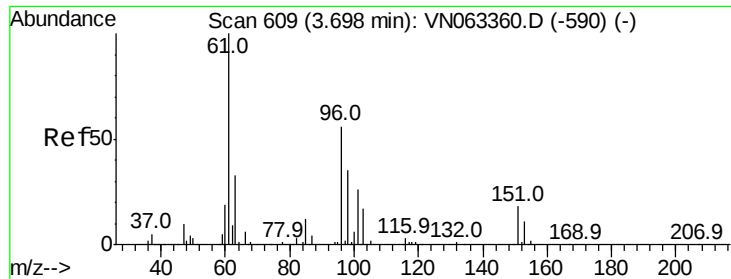
50

0

4.71 4.72 4.73

Time-->

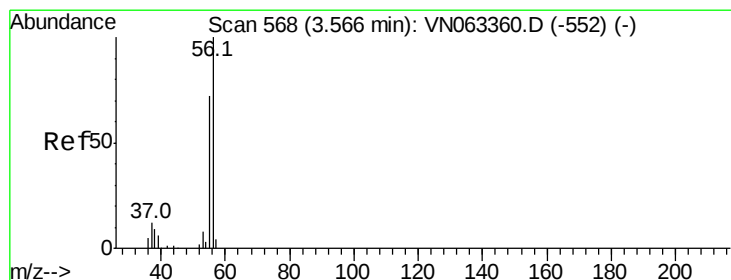
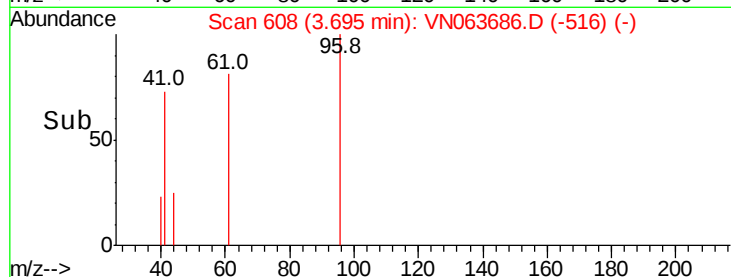
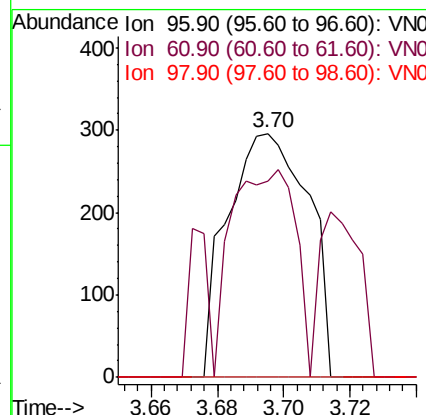
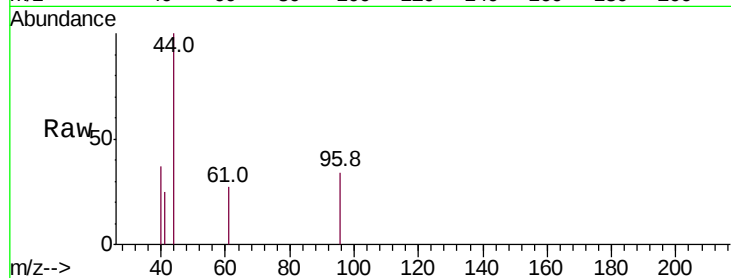




#12
 1,1-Dichloroethene
 Concen: 0.241 ug/l
 RT: 3.70 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN063686.D
 Acq: 25 Sep 2020 18:19

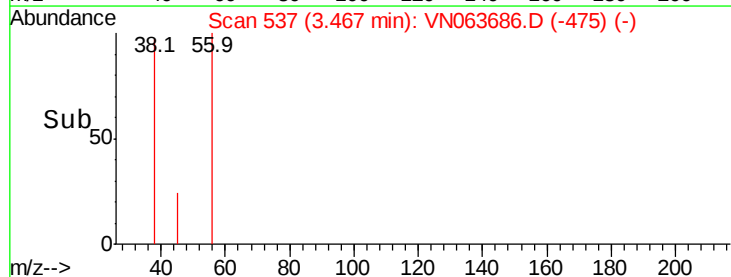
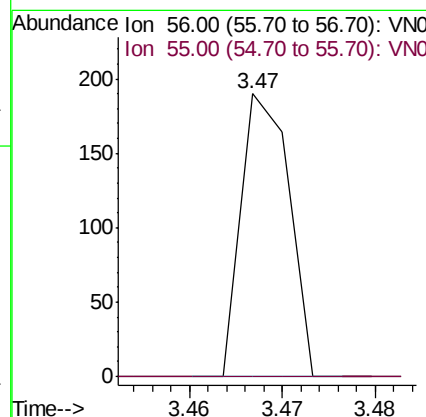
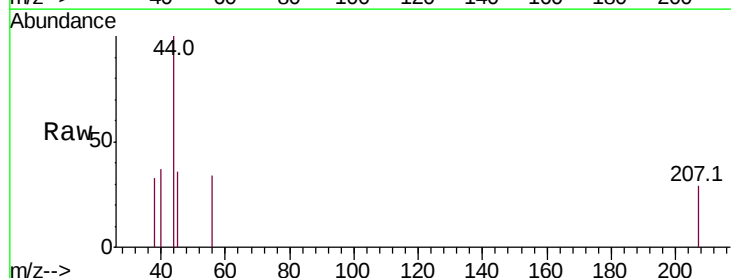
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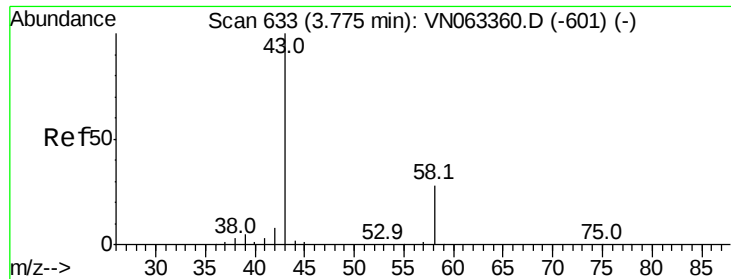
Tot Ion: 96 Resp: 503
 Ion Ratio Lower Upper
 96 100
 61 19.6 143.4 215.2#
 98 0.0 50.6 76.0#



#13
 Acrolein
 Concen: 0.420 ug/l
 RT: 3.47 min Scan# 537
 Delta R.T. -0.10 min
 Lab File: VN063686.D
 Acq: 25 Sep 2020 18:19

Tgt Ion: 56 Resp: 68
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.2 87.2#





#16

Acetone

Concen: 0.217 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063686.D

Acq: 25 Sep 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

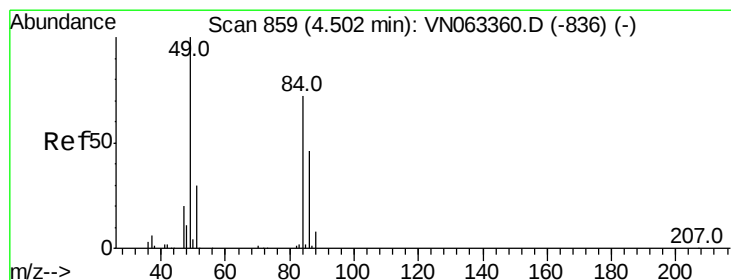
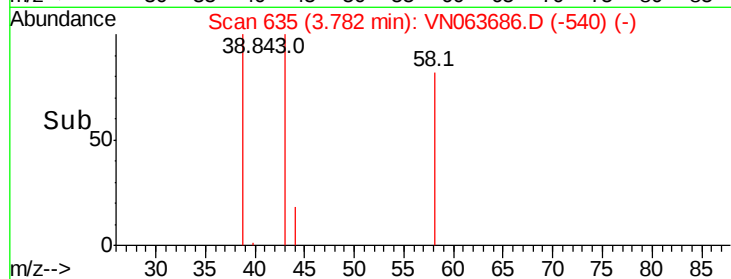
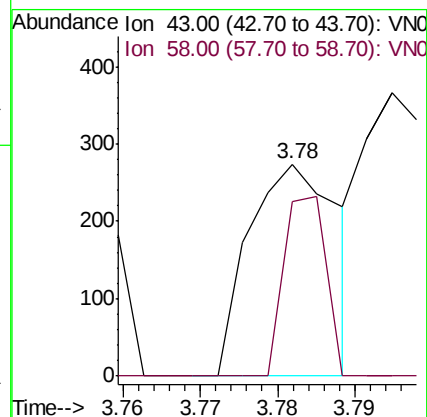
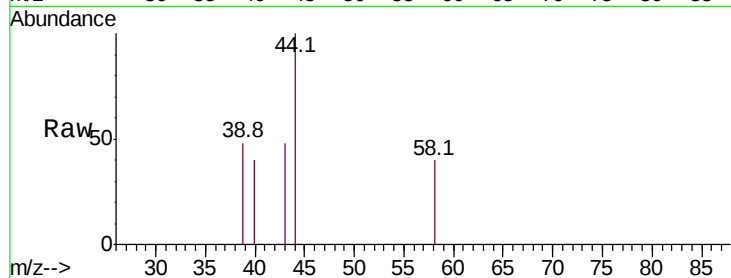
RE126D2-20200921DL

Tot Ion: 43 Resp: 220

Ion Ratio Lower Upper

43 100

58 82.5 22.3 33.5#



#20

Methylene Chloride

Concen: 0.486 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063686.D

Acq: 25 Sep 2020 18:19

Tgt Ion: 84 Resp: 1246

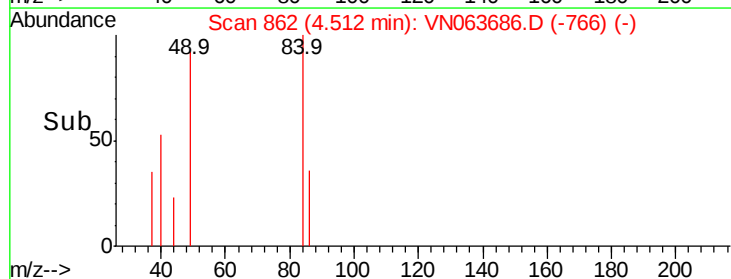
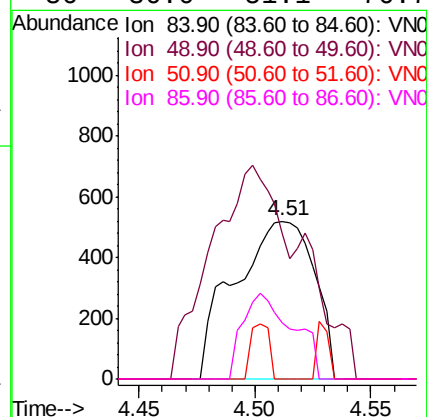
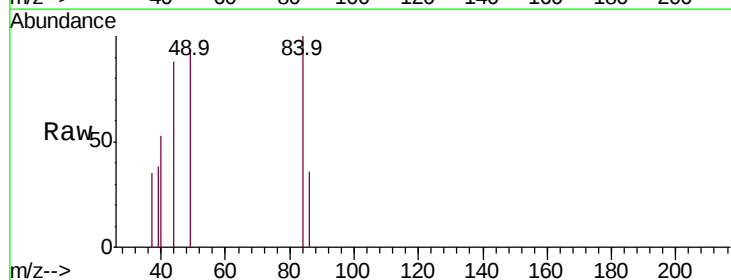
Ion Ratio Lower Upper

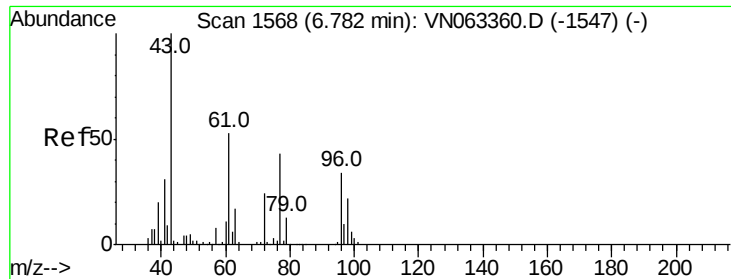
84 100

49 56.9 110.7 166.1#

51 0.0 32.9 49.3#

86 36.0 51.1 76.7#

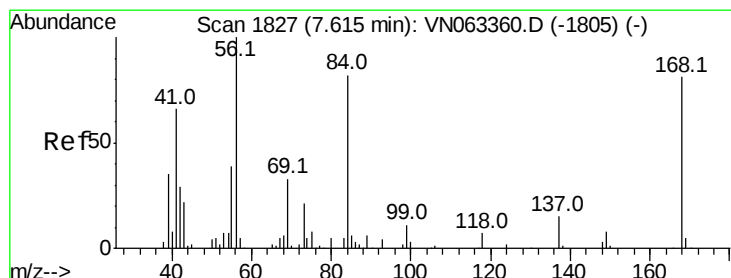
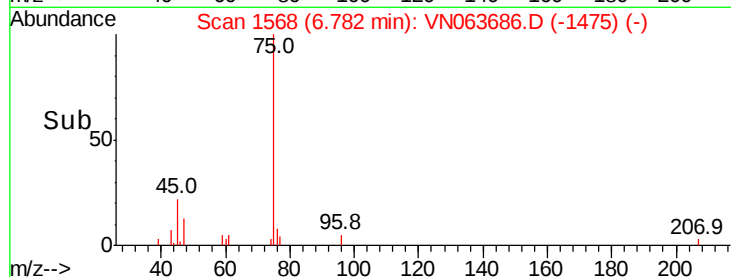
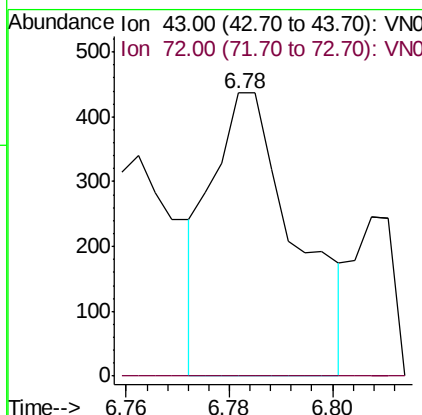
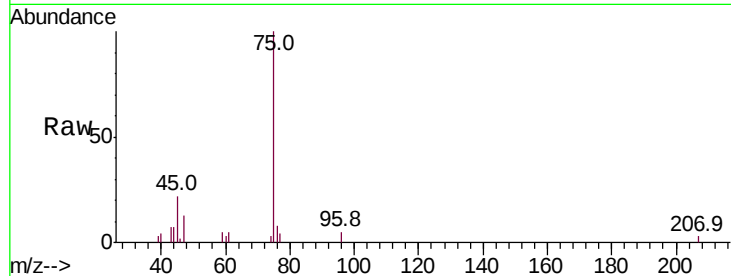




#25
2-Butanone
Concen: 0.318 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN063686.D
Acq: 25 Sep 2020 18:19

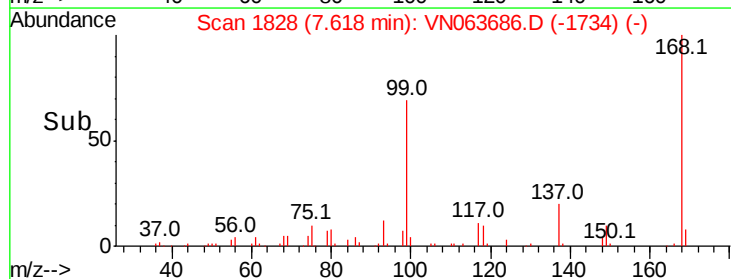
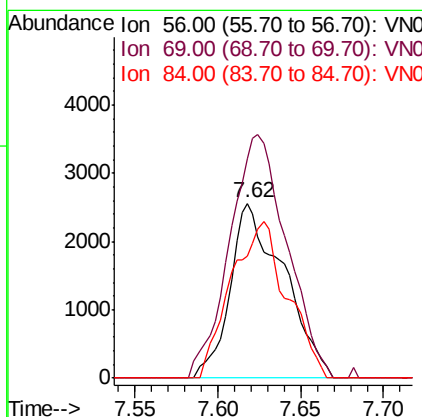
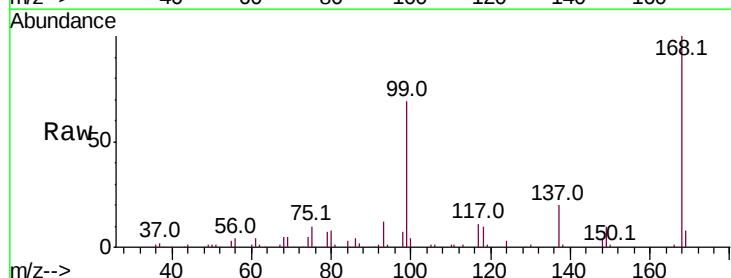
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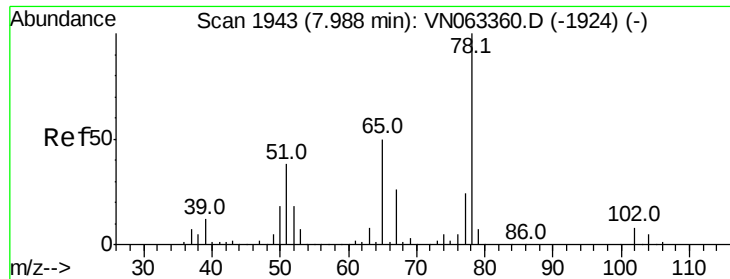
Tot Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063686.D
Acq: 25 Sep 2020 18:19

Tgt Ion: 56 Resp: 5775
Ion Ratio Lower Upper
56 100
69 125.1 26.1 39.1#
84 69.7 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 52.106 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063686.D

Acq: 25 Sep 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

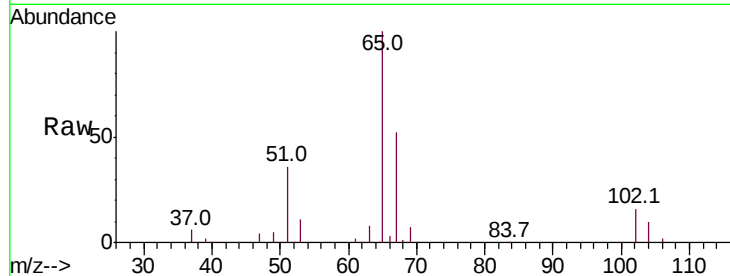
RE126D2-20200921DL

Tot Ion: 65 Resp: 164213

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)

7.99

80000

60000

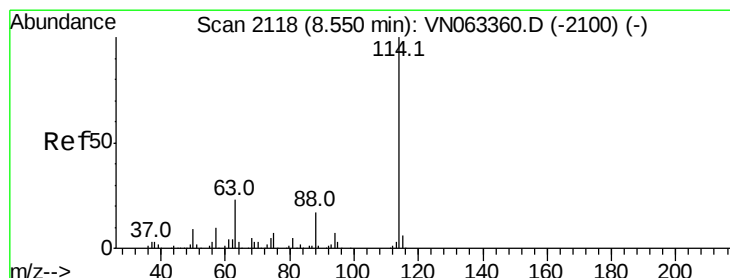
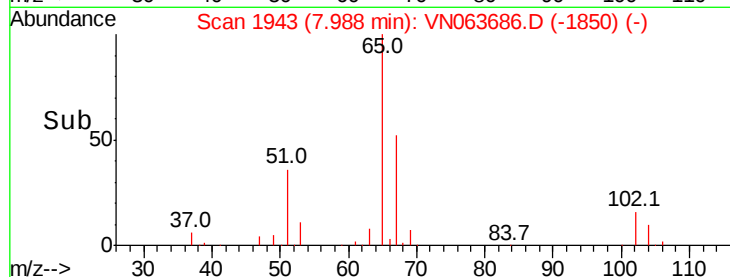
40000

20000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063686.D

Acq: 25 Sep 2020 18:19

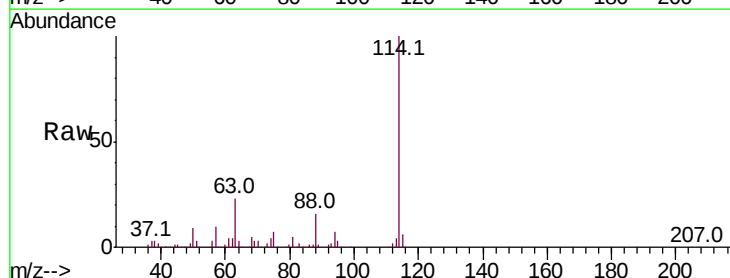
Tgt Ion: 114 Resp: 345647

Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.4

88 16.0 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

8.55

200000

150000

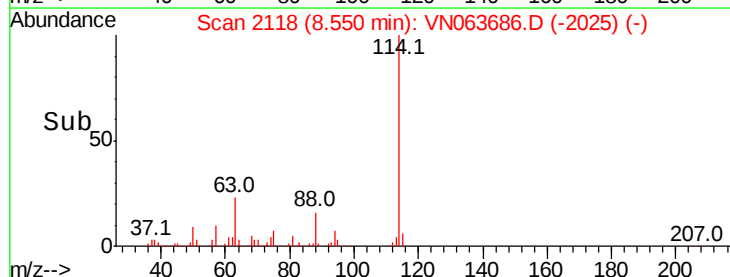
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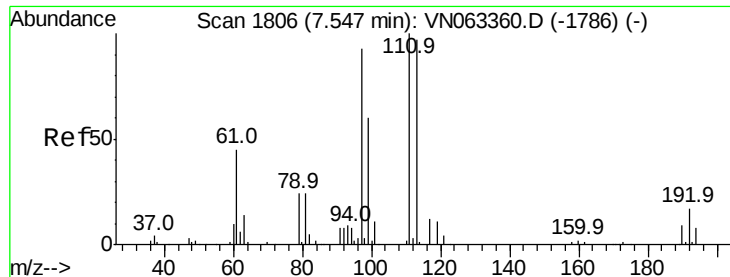
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0

8.45 8.50 8.55 8.60 8.65

Time-->

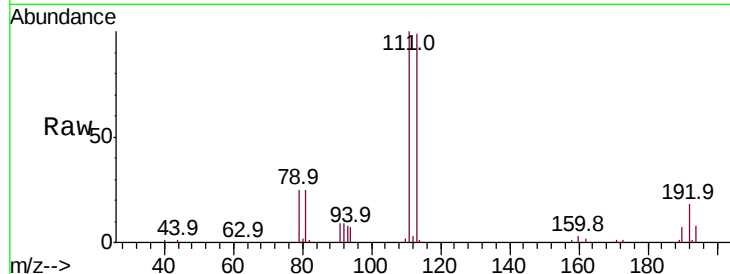




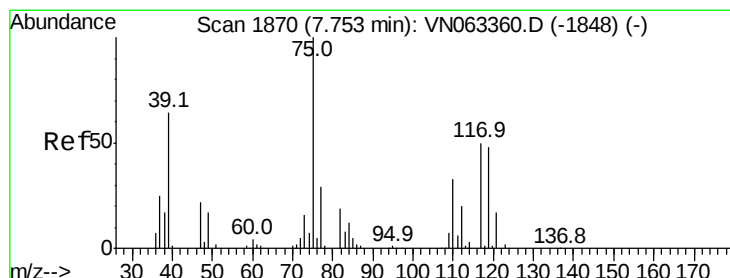
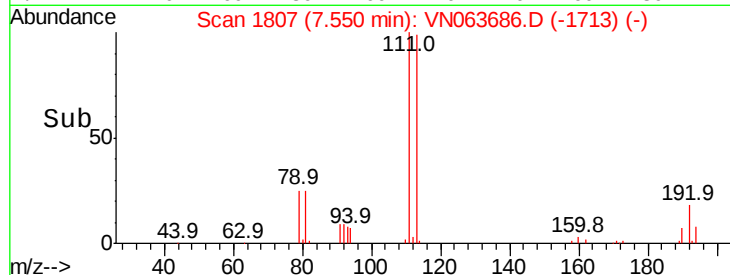
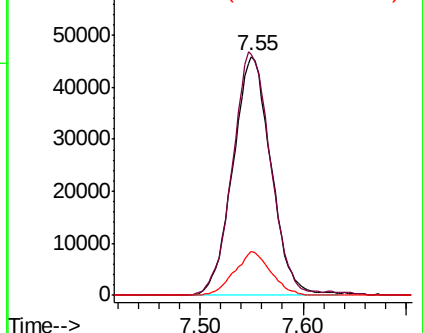
#35
 Dibromofluoromethane
 Concen: 49.360 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063686.D
 Acq: 25 Sep 2020 18:19

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Tot Ion:113 Resp: 118111
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.9 124.3
 192 17.5 13.9 20.9

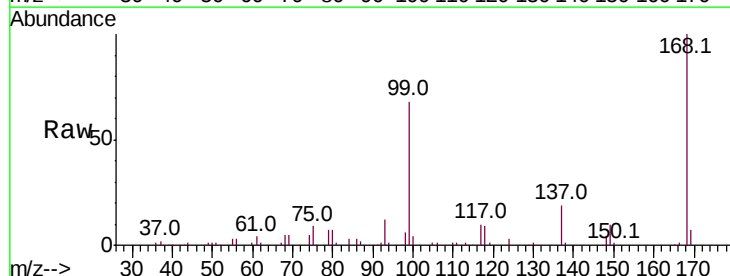


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

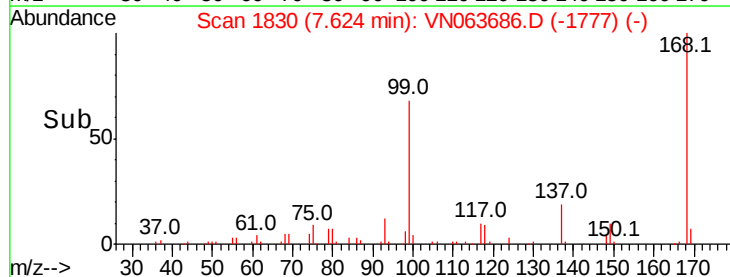
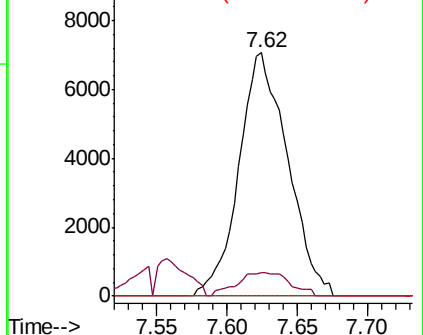


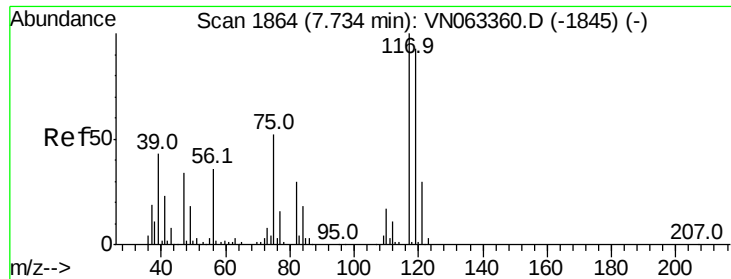
#36
 1,1-Dichloropropene
 Concen: 4.634 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063686.D
 Acq: 25 Sep 2020 18:19

Tgt Ion: 75 Resp: 17063
 Ion Ratio Lower Upper
 75 100
 110 10.5 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

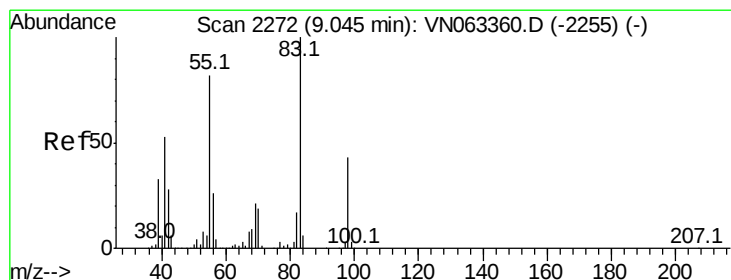
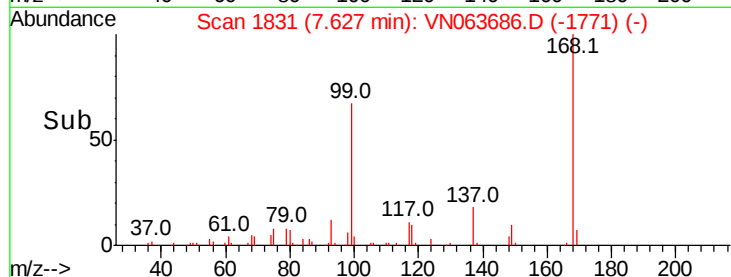
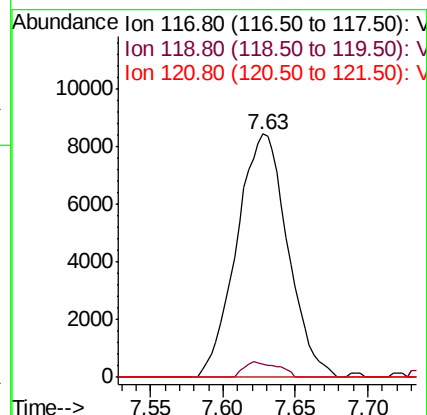
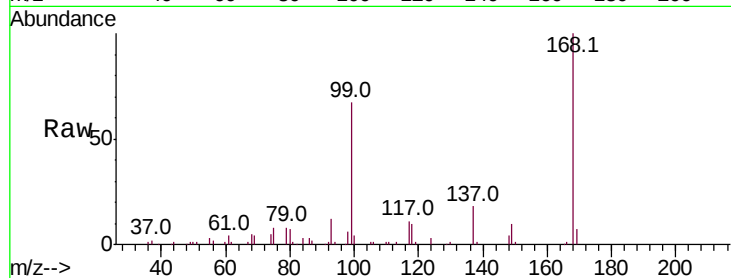




#38
Carbon Tetrachloride
Concen: 5.500 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063686.D
Acq: 25 Sep 2020 18:19

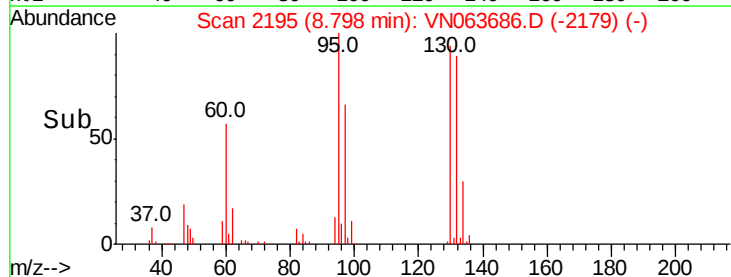
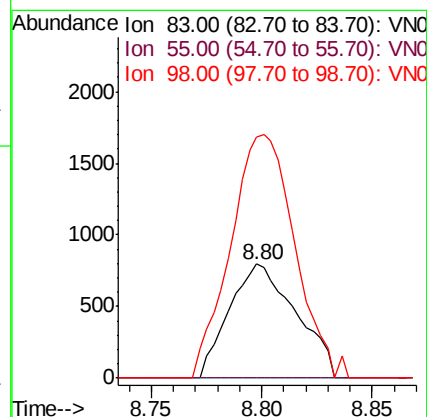
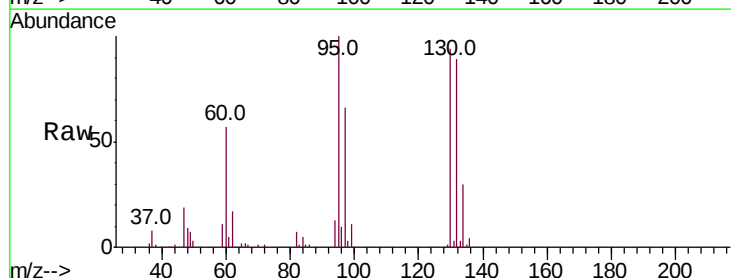
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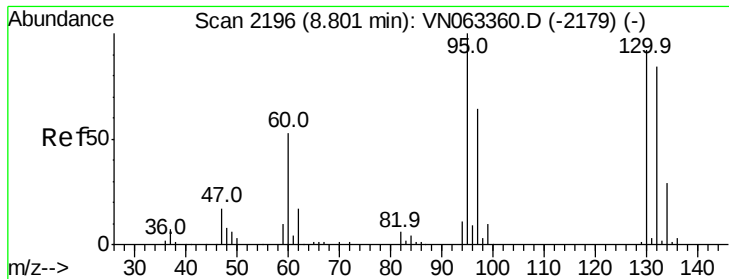
Tot Ion:117 Resp: 20676
Ion Ratio Lower Upper
117 100
119 5.4 74.5 111.7#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.418 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VN063686.D
Acq: 25 Sep 2020 18:19

Tgt Ion: 83 Resp: 1669
Ion Ratio Lower Upper
83 100
55 0.0 65.5 98.3#
98 211.8 34.2 51.4#





#44

Trichloroethene

Concen: 51.023 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063686.D

Acq: 25 Sep 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

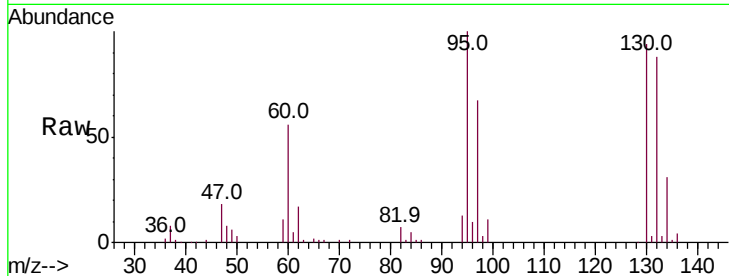
RE126D2-20200921DL

Tot Ion:130 Resp: 130088

Ion Ratio Lower Upper

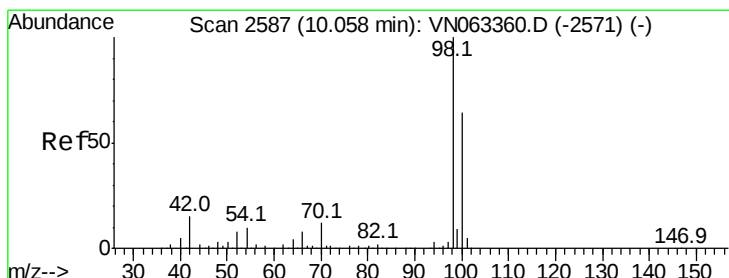
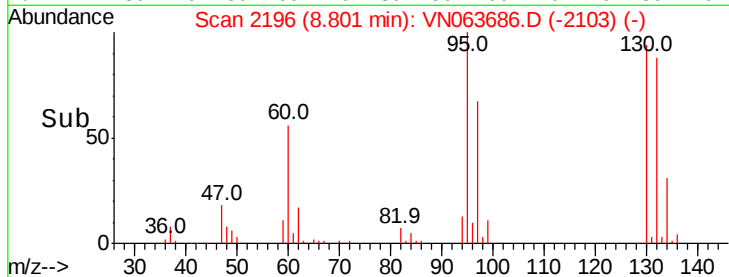
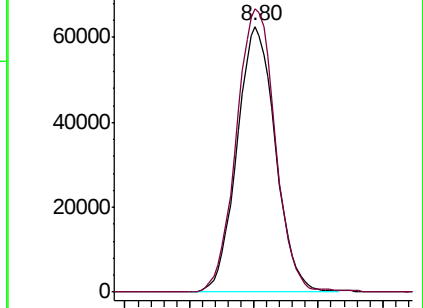
130 100

95 106.4 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063360.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063360.D (-2179) (-)



#50

Toluene-d8

Concen: 50.051 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063686.D

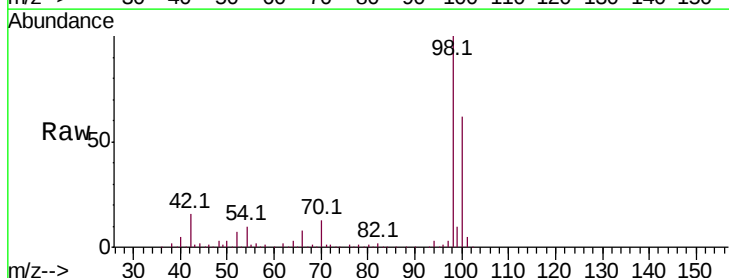
Acq: 25 Sep 2020 18:19

Tgt Ion: 98 Resp: 450339

Ion Ratio Lower Upper

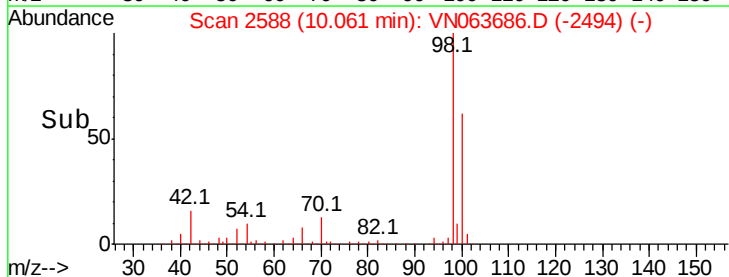
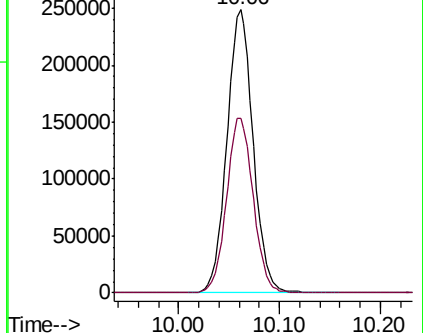
98 100

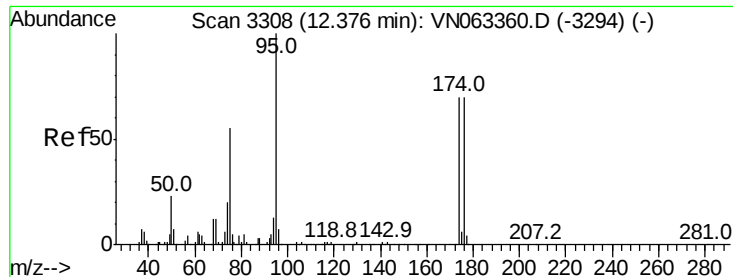
100 62.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)





#62

4-Bromofluorobenzene

Concen: 53.713 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063686.D

Acq: 25 Sep 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200921DL

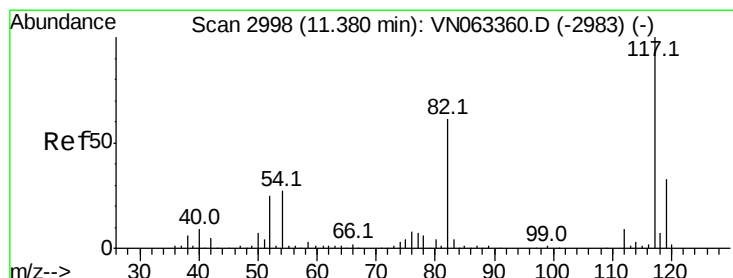
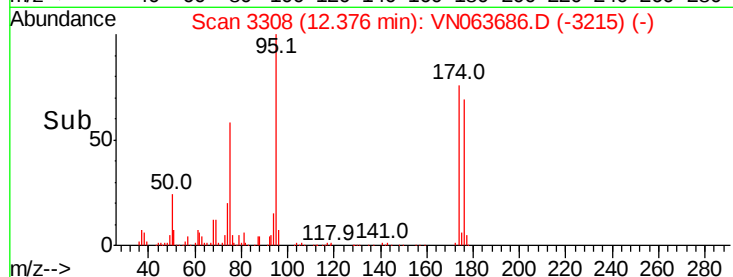
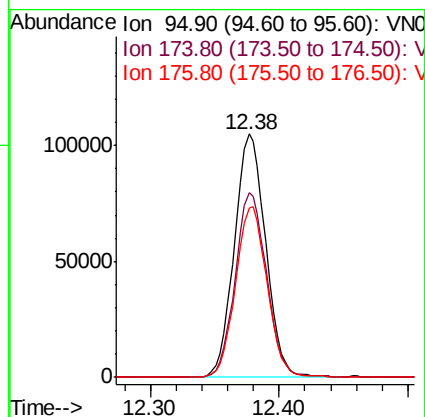
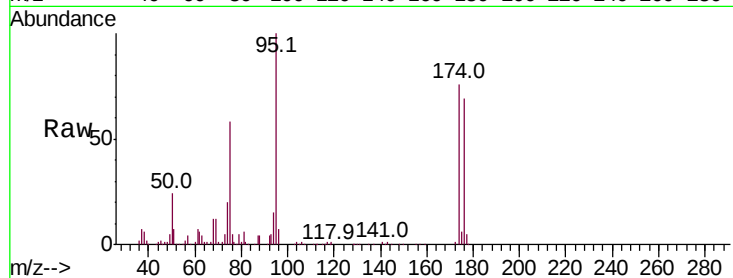
Tot Ion: 95 Resp: 177163

Ion Ratio Lower Upper

95 100

174 76.2 0.0 140.8

176 70.9 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: VN063686.D

Acq: 25 Sep 2020 18:19

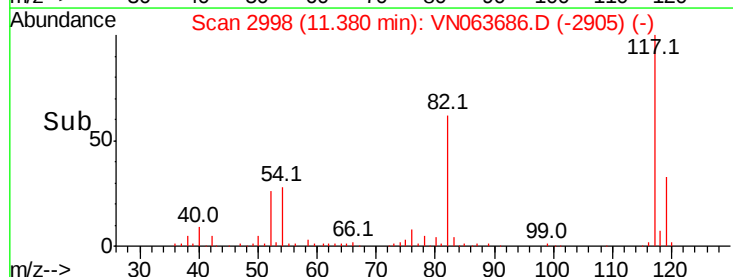
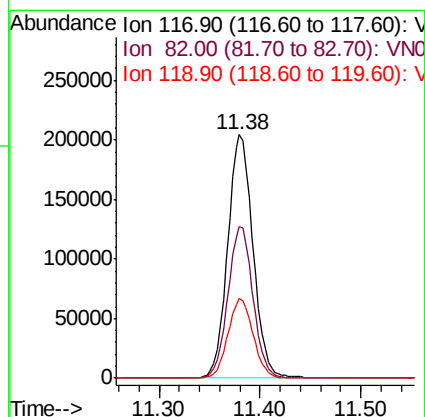
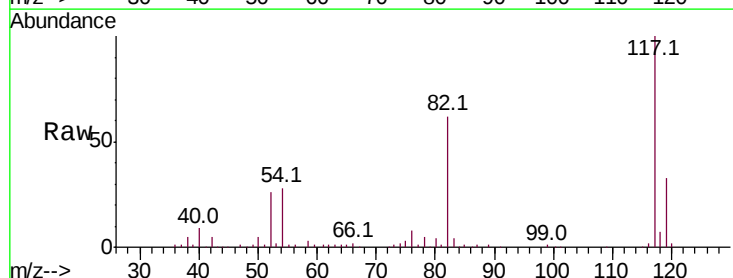
Tgt Ion: 117 Resp: 357746

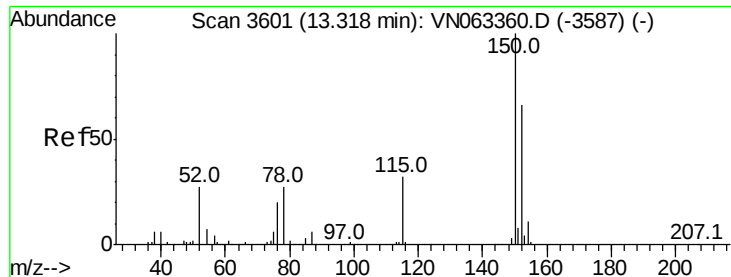
Ion Ratio Lower Upper

117 100

82 62.3 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: VN063686.D

Acq: 25 Sep 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200921DL

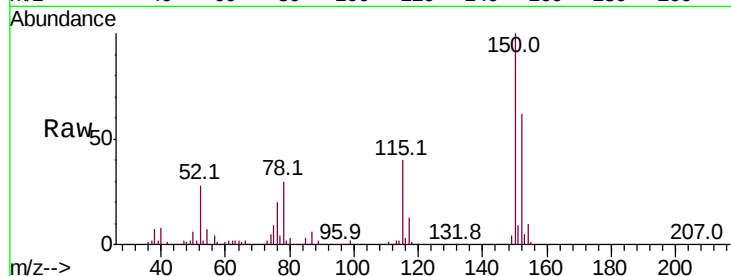
Tot Ion:152 Resp: 152889

Ion Ratio Lower Upper

152 100

115 64.7 32.2 96.6

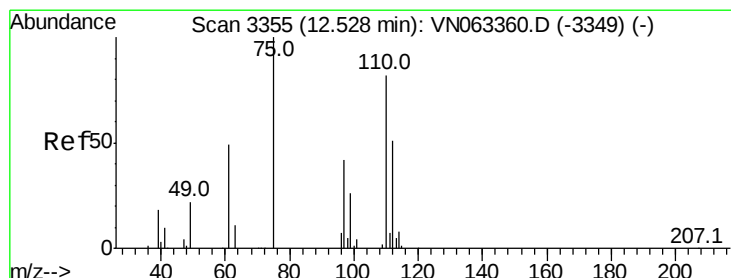
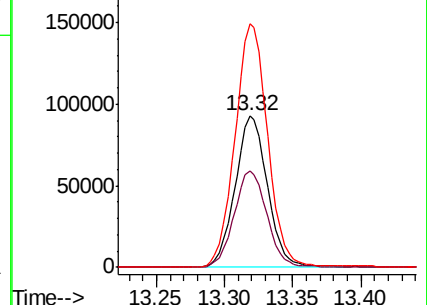
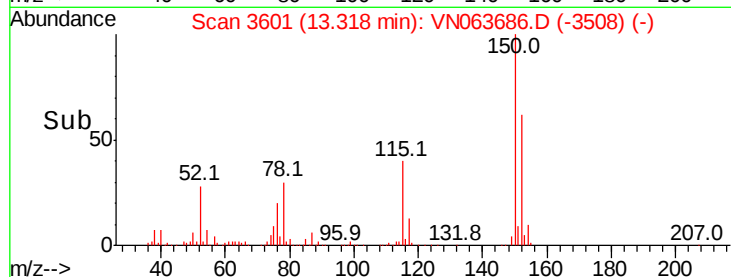
150 161.7 0.0 343.4



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: 26.719 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063686.D

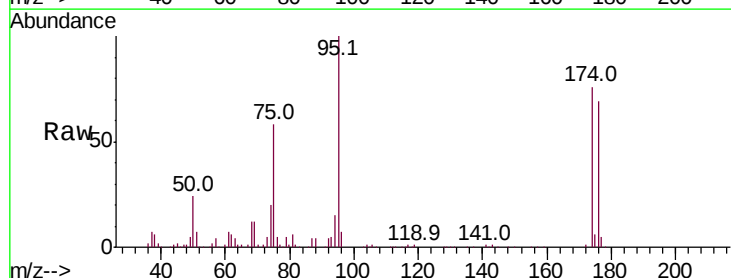
Acq: 25 Sep 2020 18:19

Tgt Ion: 75 Resp: 101109

Ion Ratio Lower Upper

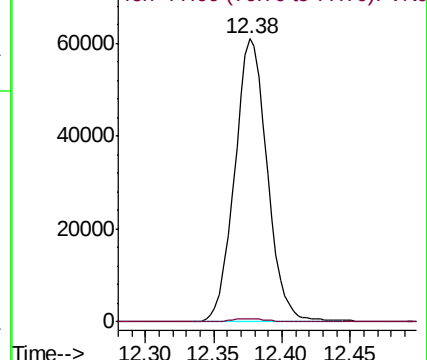
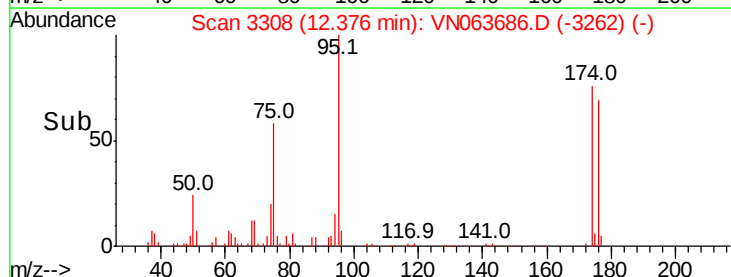
75 100

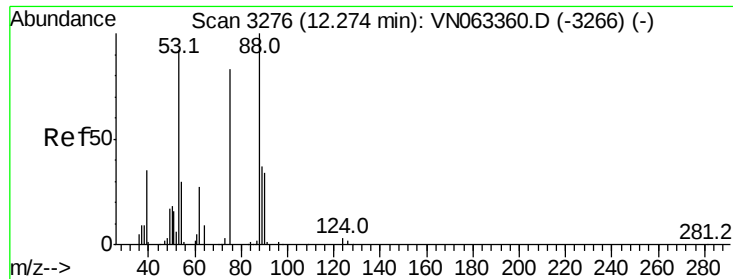
77 1.2 0.0 0.0#



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: 73.252 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063686.D

Acq: 25 Sep 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200921DL

Tot Ion: 75 Resp: 101109

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

