

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063679.D
 Acq On : 25 Sep 2020 15:31
 Operator : JC/MD
 Sample : L4119-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D1-20200921

Quant Time: Sep 28 02:02:42 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	206713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	388636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	395558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161664	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	179028	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
35) Dibromofluoromethane	7.55	113	130631	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	10.06	98	503618	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.38	95	193951	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	

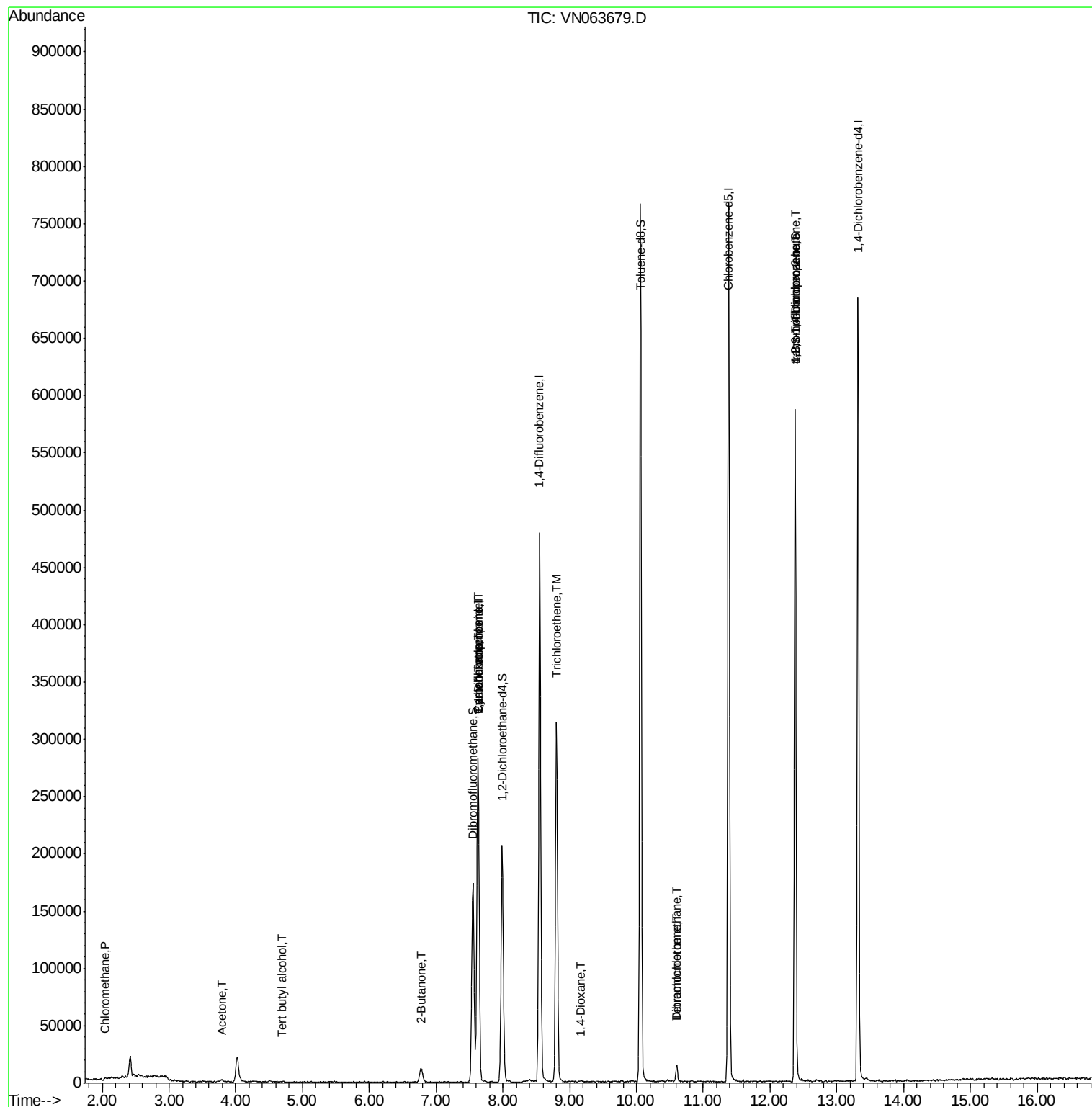
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1068	0.345	ug/l #	82
11) Tert butyl alcohol	4.70	59	249	0.511	ug/l #	72
16) Acetone	3.79	43	2515	2.224	ug/l #	88
25) 2-Butanone	6.77	43	417	0.240	ug/l #	51
31) Cyclohexane	7.62	56	6066	1.248	ug/l #	45
36) 1,1-Dichloropropene	7.63	75	19582	4.730	ug/l #	52
38) Carbon Tetrachloride	7.63	117	22749	5.382	ug/l #	18
44) Trichloroethene	8.80	130	105387	36.762	ug/l	98
49) 1,4-Dioxane	9.16	88	870	16.982	ug/l #	44
60) Dibromochloromethane	10.60	129	3027	0.949	ug/l #	10
64) Tetrachloroethene	10.60	164	3012	1.118	ug/l	95
76) 1,2,3-Trichloropropane	12.38	75	111776	27.934	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	111776	76.585	ug/l #	7

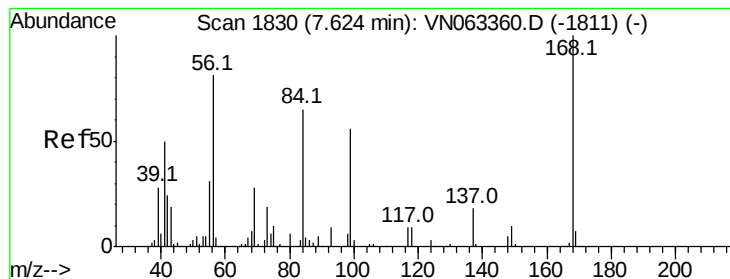
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063679.D

Acq: 25 Sep 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

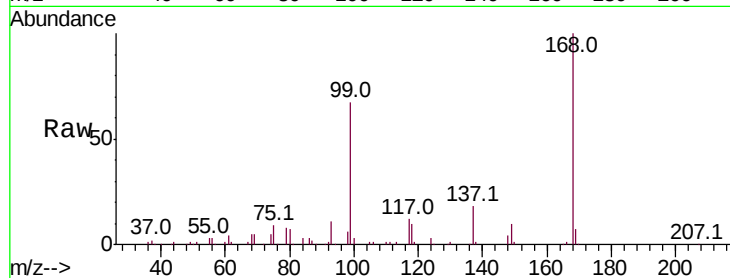
RE126D1-20200921

Tot Ion:168 Resp: 206713

Ion Ratio Lower Upper

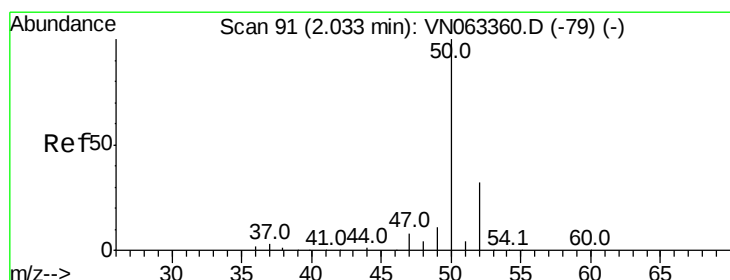
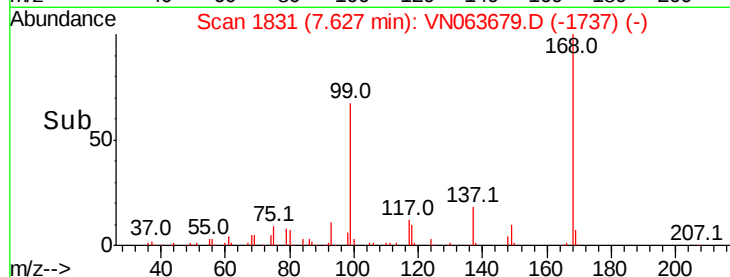
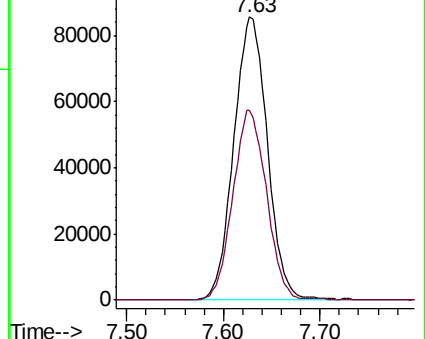
168 100

99 67.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.345 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063679.D

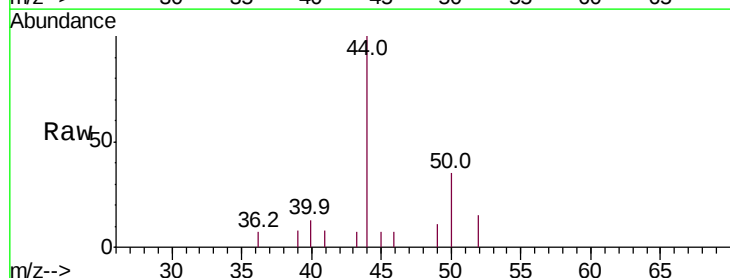
Acq: 25 Sep 2020 15:31

Tgt Ion: 50 Resp: 1068

Ion Ratio Lower Upper

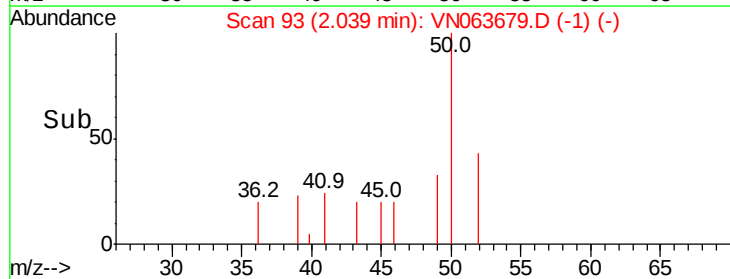
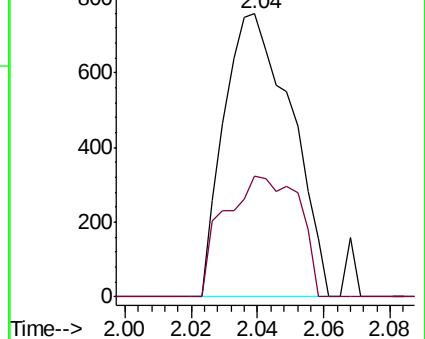
50 100

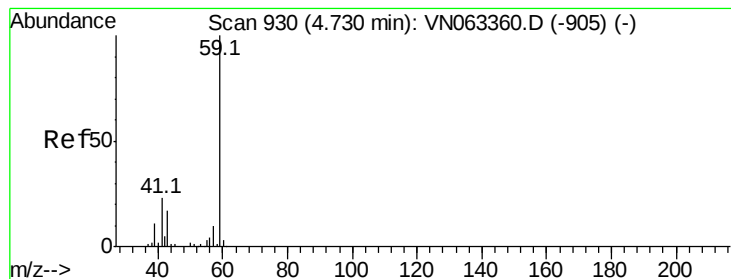
52 42.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



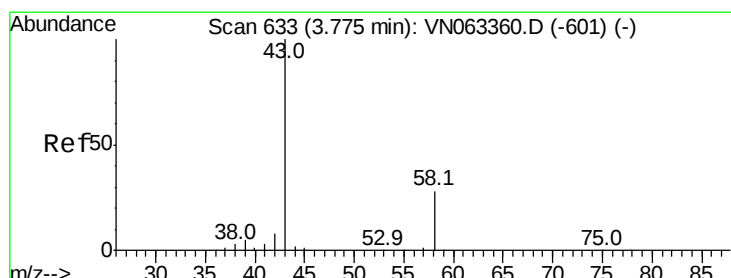
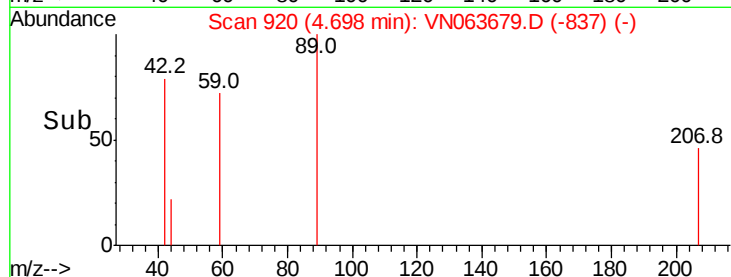
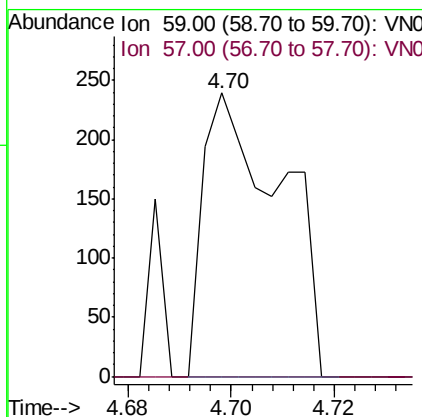
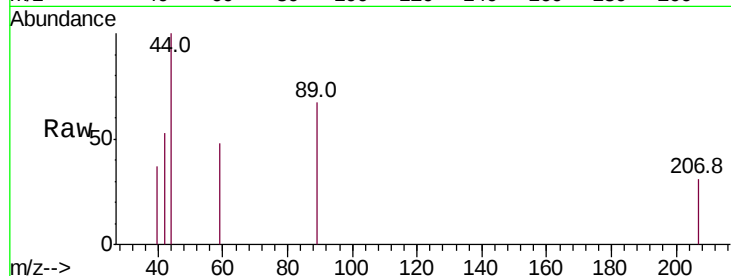


#11

Tert butyl alcohol
 Concen: 0.511 ug/l
 RT: 4.70 min Scan# 920
 Delta R.T. -0.03 min
 Lab File: VN063679.D
 Acq: 25 Sep 2020 15:31

Instrument :
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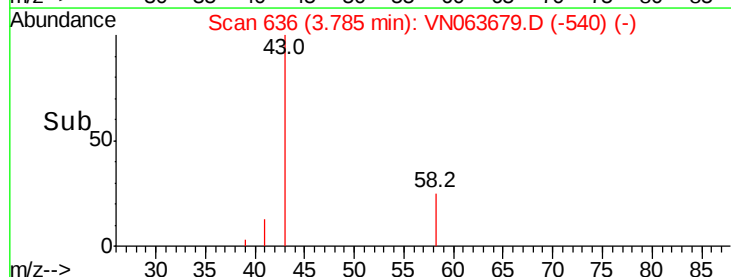
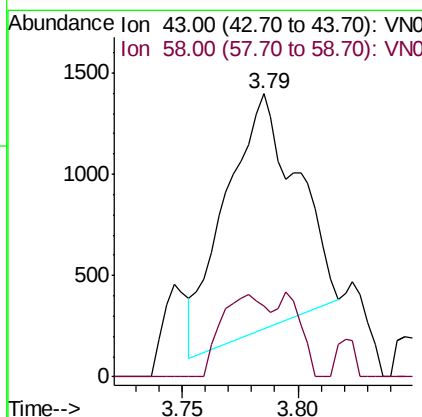
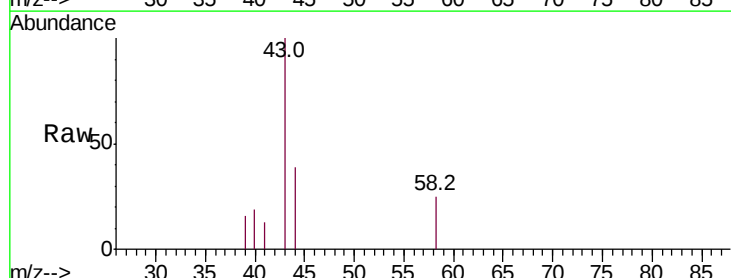
Tot Ion: 59 Resp: 249
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

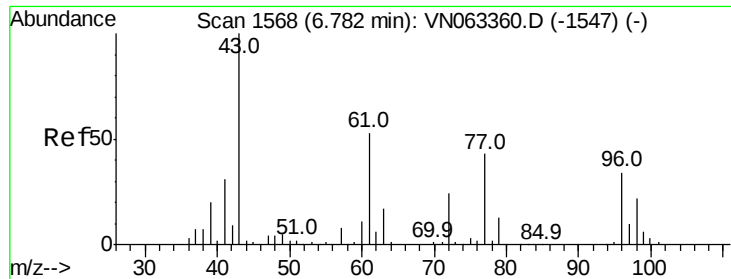


#16

Acetone
 Concen: 2.224 ug/l
 RT: 3.79 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VN063679.D
 Acq: 25 Sep 2020 15:31

Tgt Ion: 43 Resp: 2515
 Ion Ratio Lower Upper
 43 100
 58 34.4 22.3 33.5#

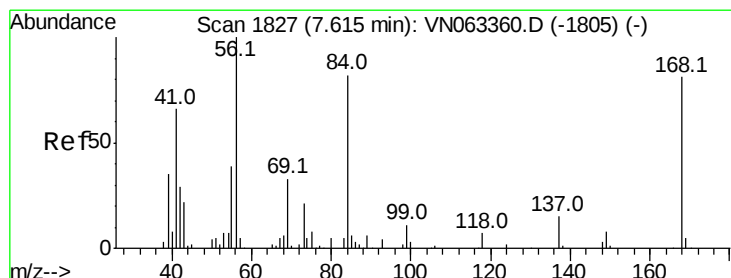
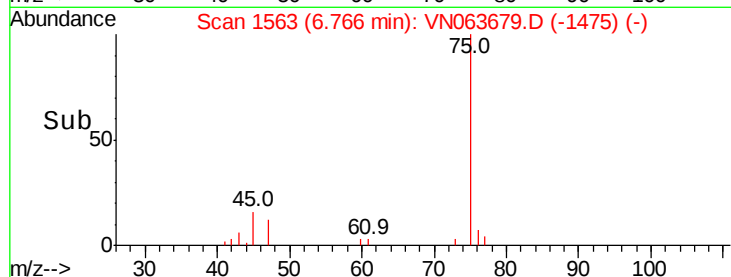
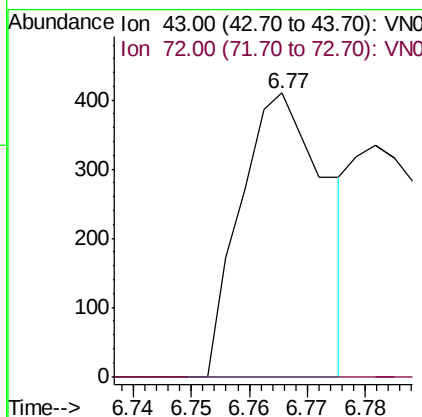
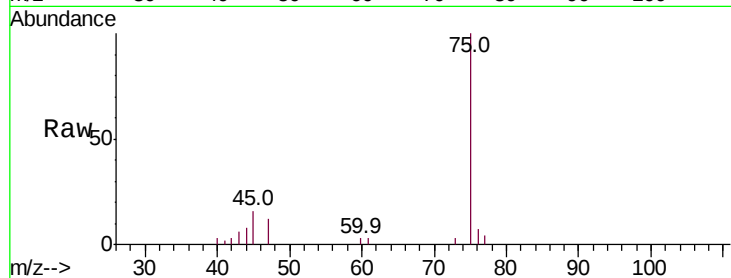




#25
2-Butanone
Concen: 0.240 ug/l
RT: 6.77 min Scan# 1563
Delta R.T. -0.02 min
Lab File: VN063679.D
Acq: 25 Sep 2020 15:31

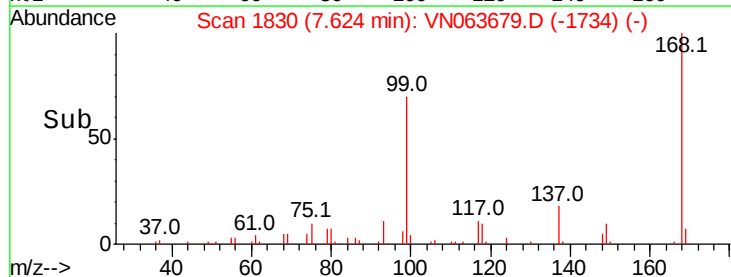
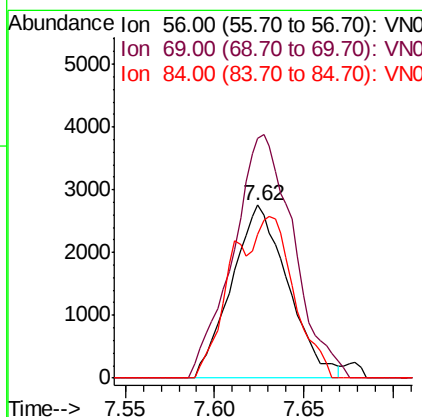
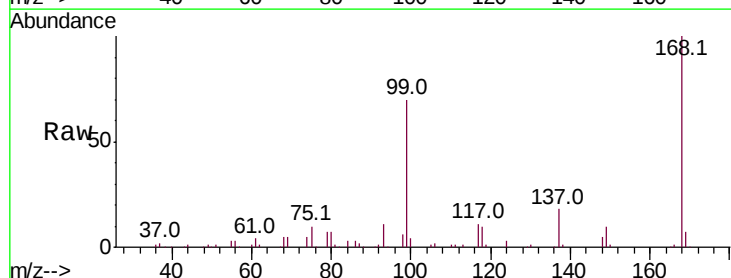
Instrument :
MSVOA_N
ClientSampleId :
RE126D1-20200921

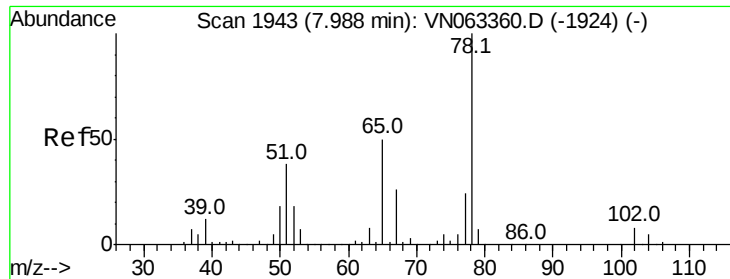
Tot Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063679.D
Acq: 25 Sep 2020 15:31

Tgt Ion: 56 Resp: 6066
Ion Ratio Lower Upper
56 100
69 138.7 26.1 39.1#
84 83.5 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 50.878 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063679.D

Acq: 25 Sep 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

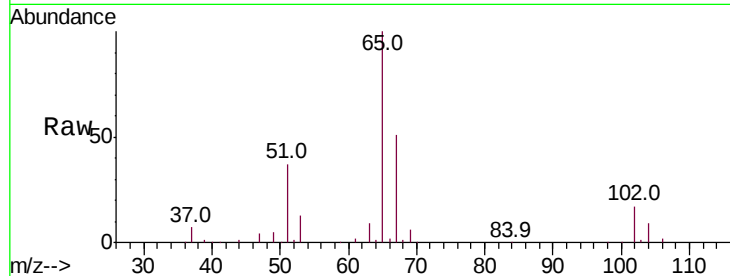
RE126D1-20200921

Tot Ion: 65 Resp: 179028

Ion Ratio Lower Upper

65 100

67 50.8 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

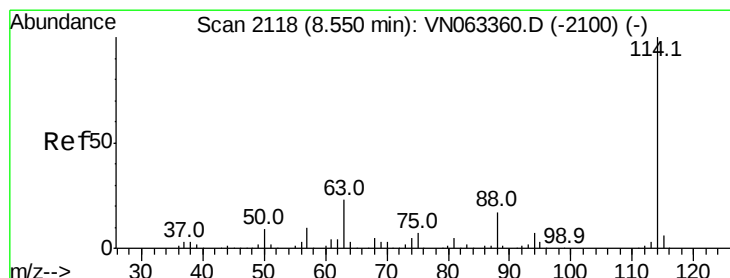
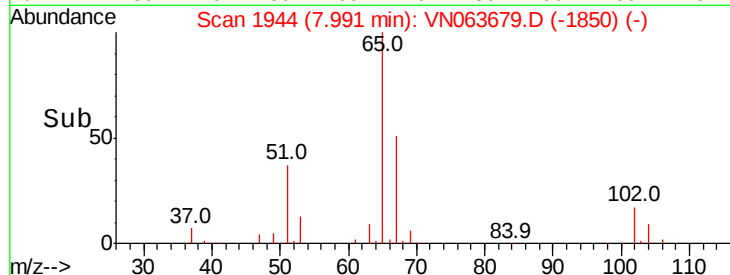
40000

20000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063679.D

Acq: 25 Sep 2020 15:31

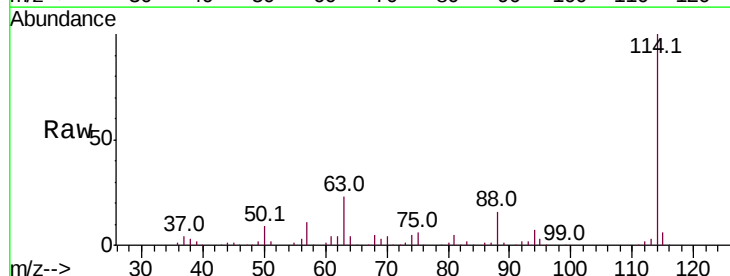
Tgt Ion: 114 Resp: 388636

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.4

88 16.1 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

250000

200000

150000

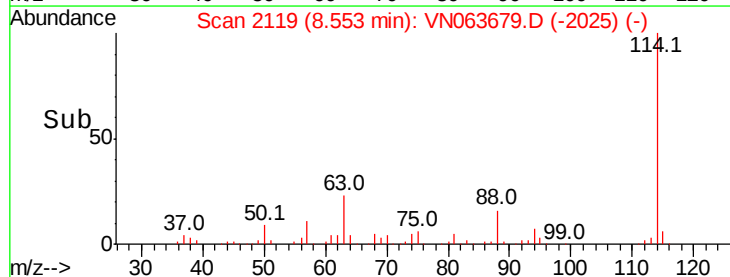
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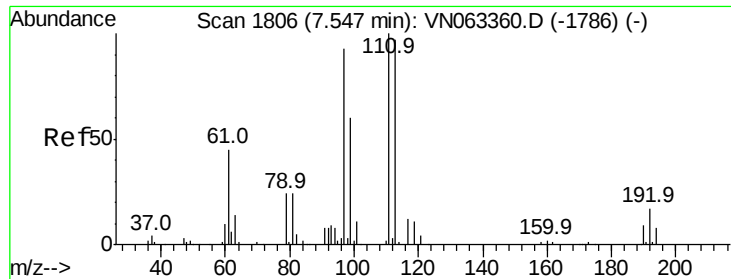
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->

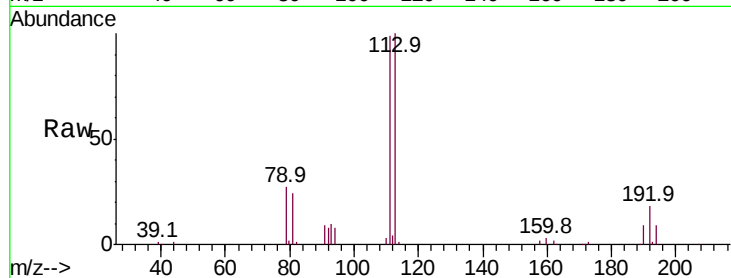




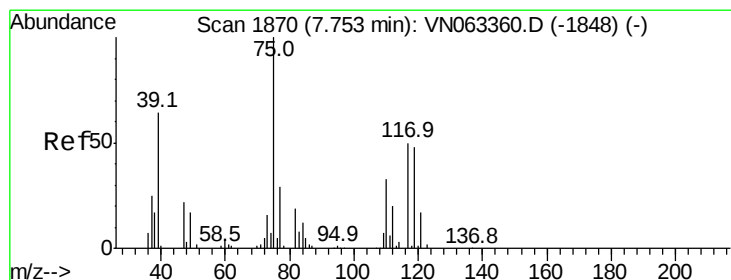
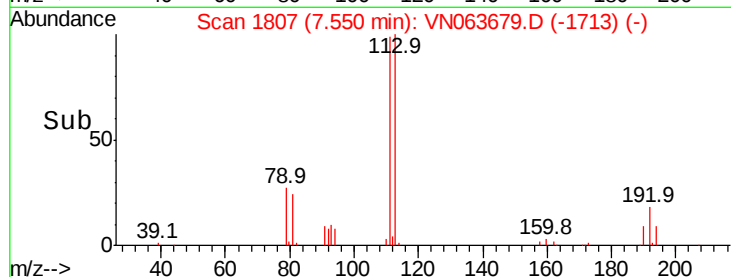
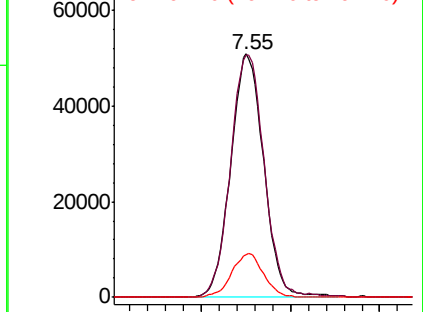
#35
 Dibromofluoromethane
 Concen: 48.554 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063679.D
 Acq: 25 Sep 2020 15:31

Instrument :
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Tot Ion:113 Resp: 130631
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.9 124.3
 192 17.3 13.9 20.9

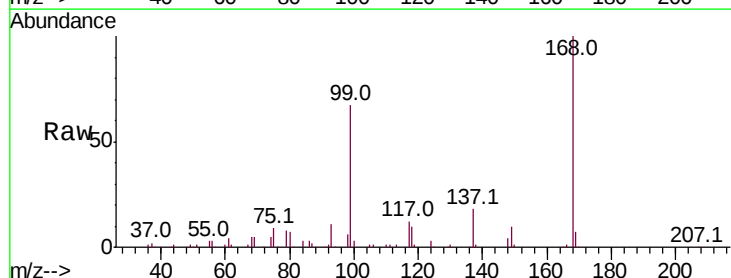


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

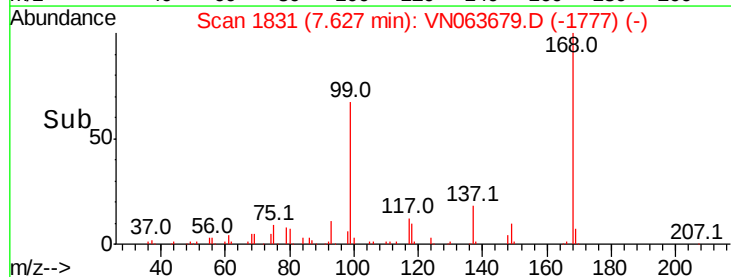
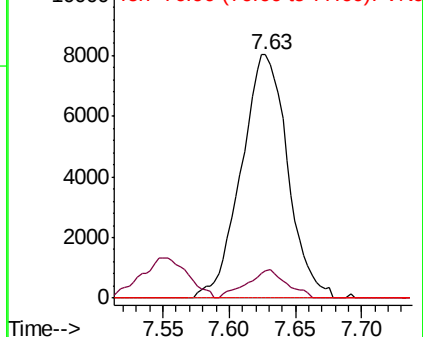


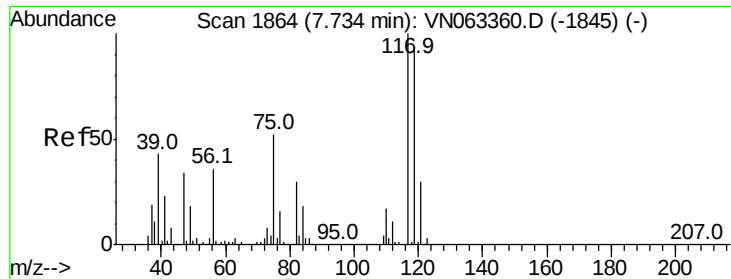
#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063679.D
 Acq: 25 Sep 2020 15:31

Tgt Ion: 75 Resp: 19582
 Ion Ratio Lower Upper
 75 100
 110 9.9 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

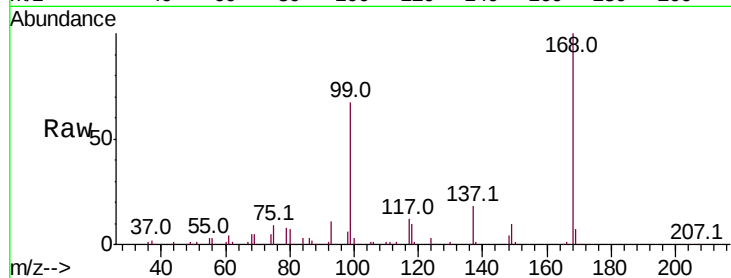




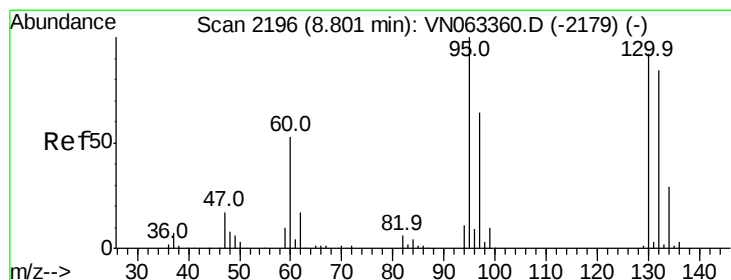
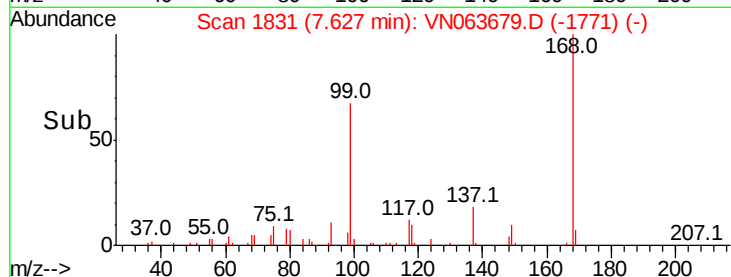
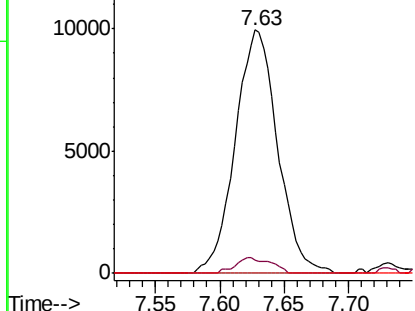
#38
Carbon Tetrachloride
Concen: 5.382 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063679.D
Acq: 25 Sep 2020 15:31

Instrument :
MSVOA_N
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Tot Ion:117 Resp: 22749
Ion Ratio Lower Upper
117 100
119 5.7 74.5 111.7#
121 0.0 24.1 36.1#

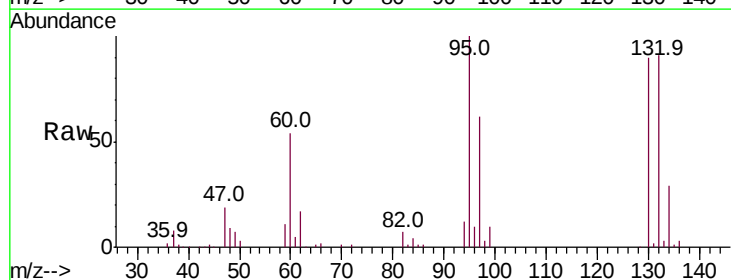


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

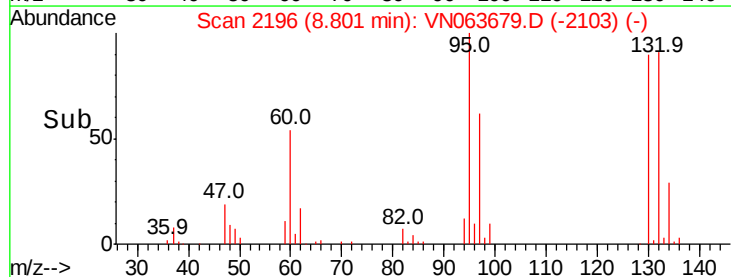
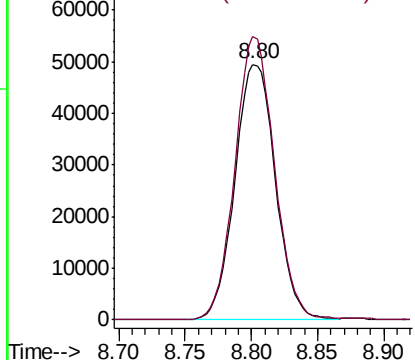


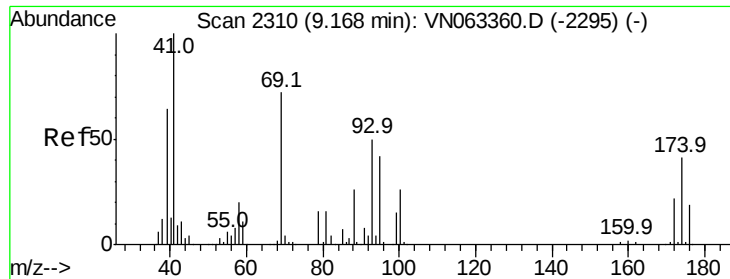
#44
Trichloroethene
Concen: 36.762 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063679.D
Acq: 25 Sep 2020 15:31

Tgt Ion:130 Resp: 105387
Ion Ratio Lower Upper
130 100
95 110.9 0.0 217.4



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





#49

1,4-Dioxane

Concen: 16.982 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN063679.D

Acq: 25 Sep 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

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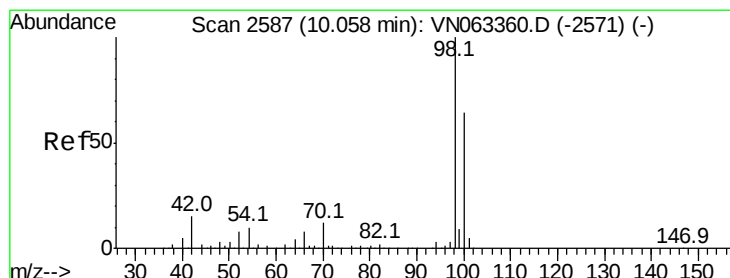
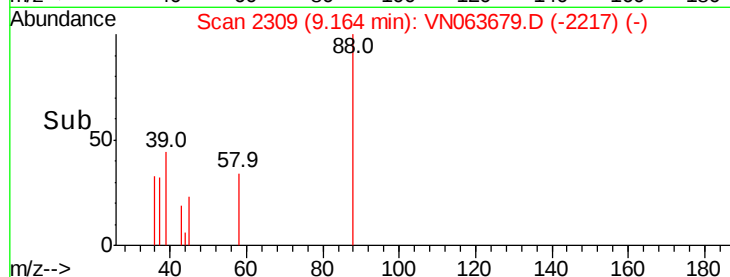
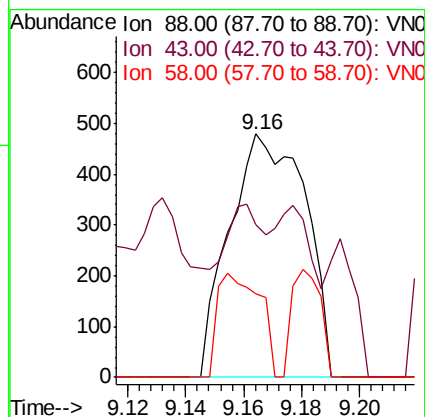
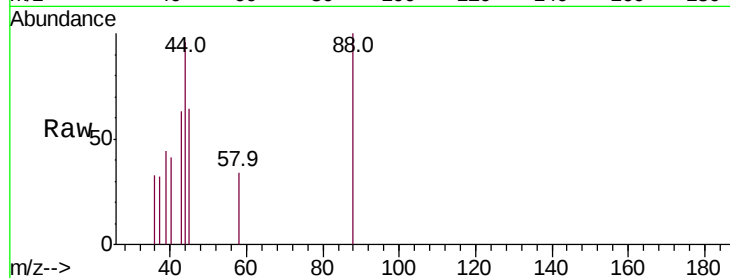
Tot Ion: 88 Resp: 870

Ion Ratio Lower Upper

88 100

43 10.8 32.6 49.0#

58 23.7 60.0 90.0#



#50

Toluene-d8

Concen: 49.781 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063679.D

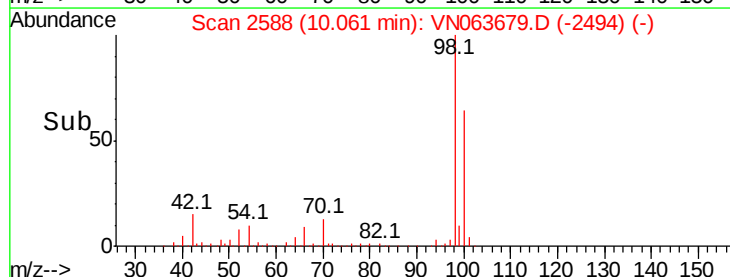
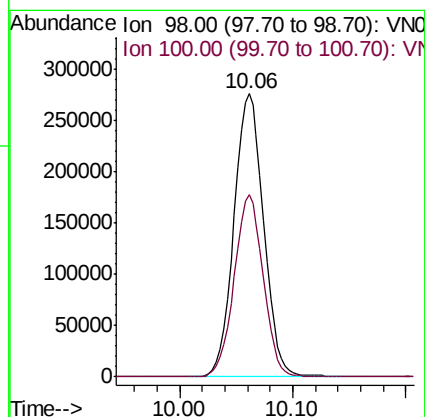
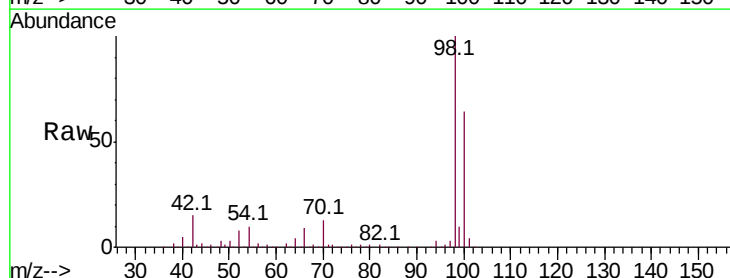
Acq: 25 Sep 2020 15:31

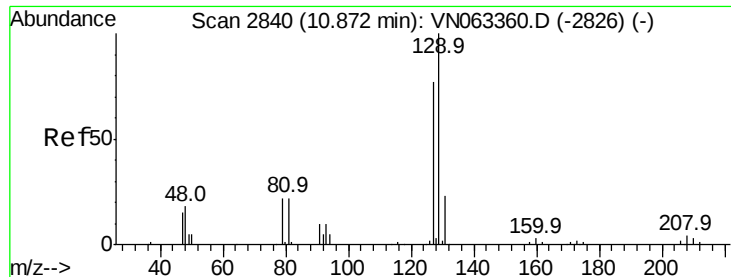
Tgt Ion: 98 Resp: 503618

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1





#60

Dibromochloromethane

Concen: 0.949 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063679.D

Acq: 25 Sep 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

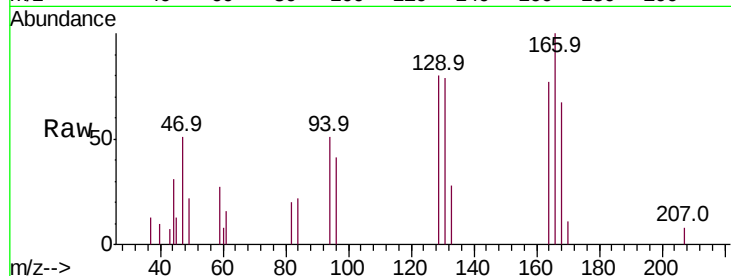
RE126D1-20200921

Tot Ion:129 Resp: 3027

Ion Ratio Lower Upper

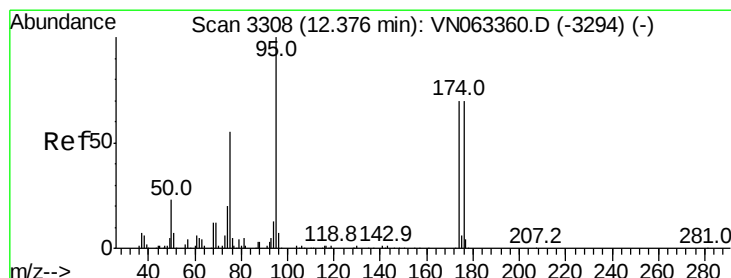
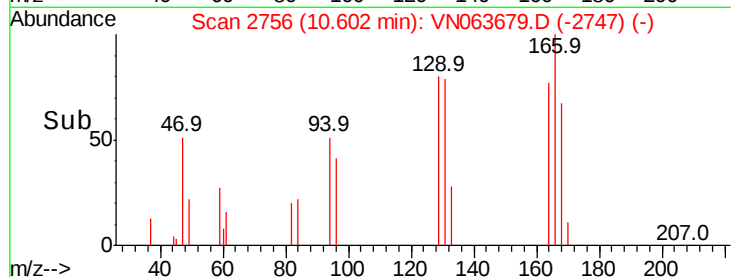
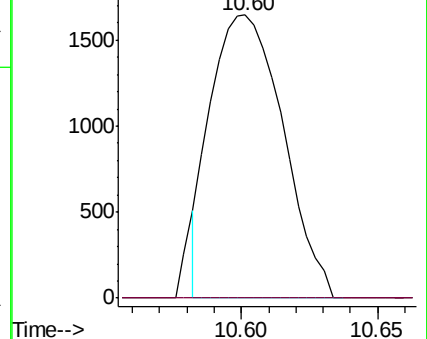
129 100

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: 52.298 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063679.D

Acq: 25 Sep 2020 15:31

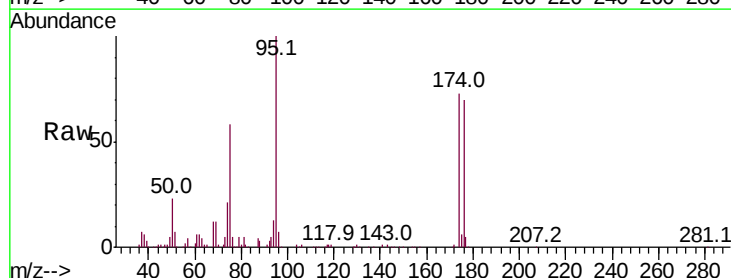
Tgt Ion: 95 Resp: 193951

Ion Ratio Lower Upper

95 100

174 73.0 0.0 140.8

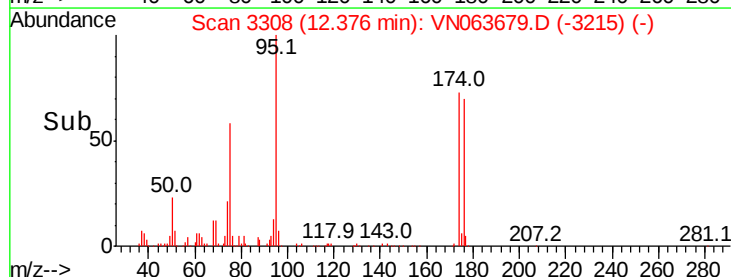
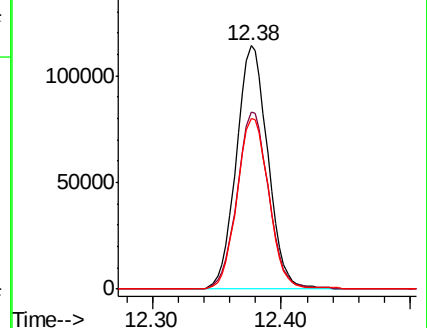
176 71.1 0.0 137.6

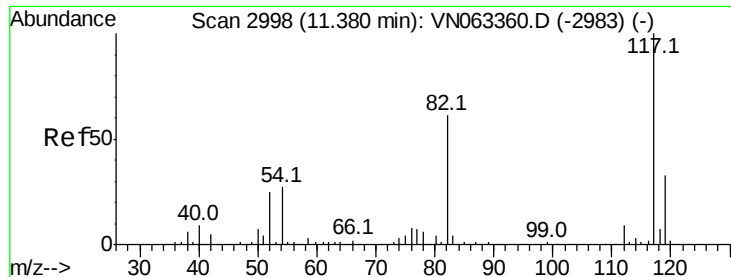


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

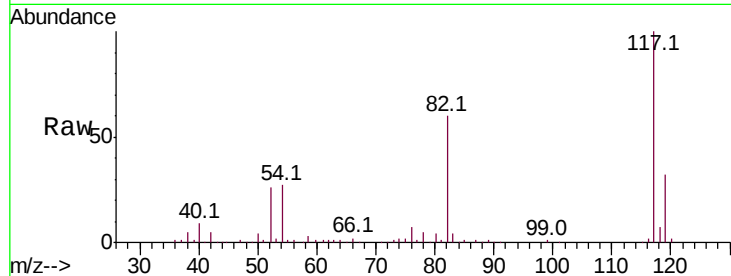




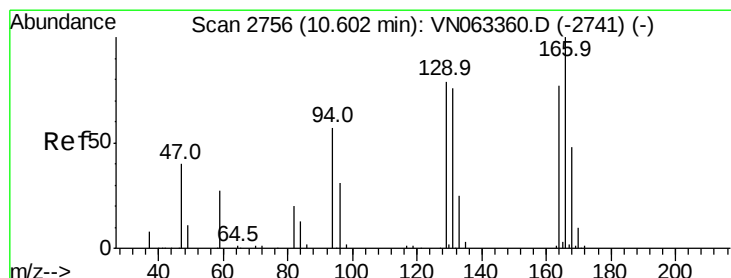
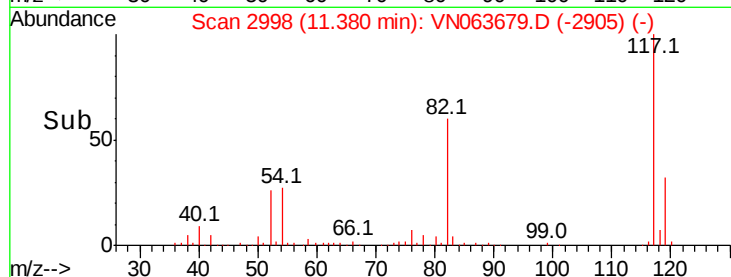
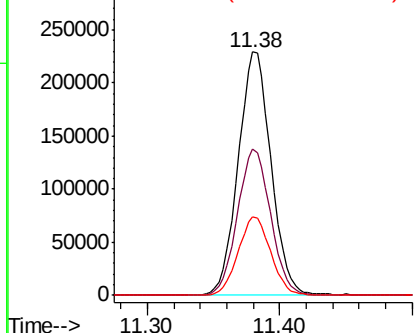
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063679.D
Acq: 25 Sep 2020 15:31

Instrument :
MSVOA_N
ClientSampleId :
RE126D1-20200921

Tot Ion:117 Resp: 395558
Ion Ratio Lower Upper
117 100
82 60.0 49.2 73.8
119 32.3 26.2 39.4

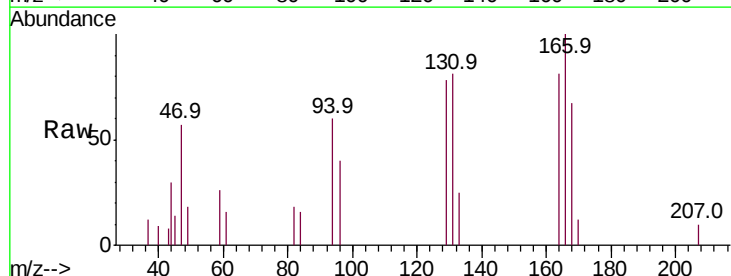


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

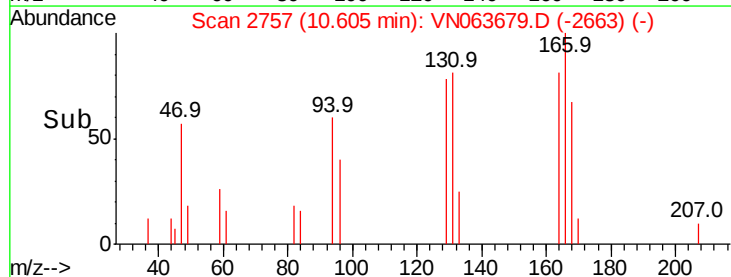
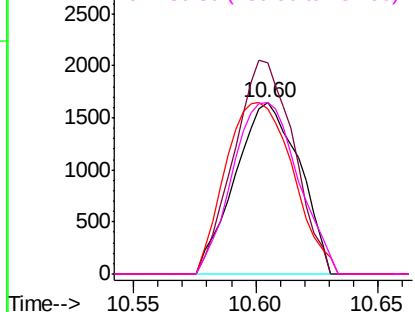


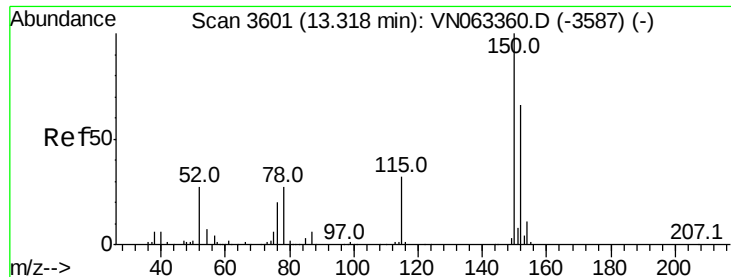
#64
Tetrachloroethene
Concen: 1.118 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063679.D
Acq: 25 Sep 2020 15:31

Tgt Ion:164 Resp: 3012
Ion Ratio Lower Upper
164 100
166 123.2 103.4 155.0
129 96.4 81.8 122.6
131 100.4 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: VN063679.D

Acq: 25 Sep 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

RE126D1-20200921

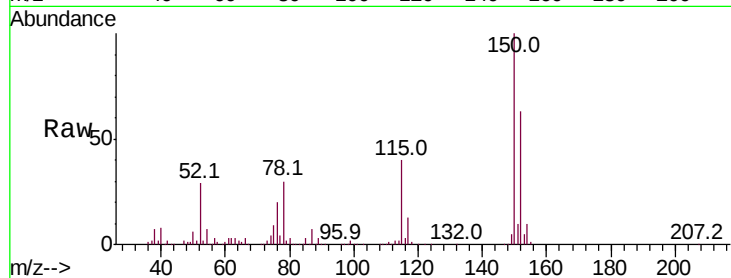
Tot Ion:152 Resp: 161664

Ion Ratio Lower Upper

152 100

115 63.9 32.2 96.6

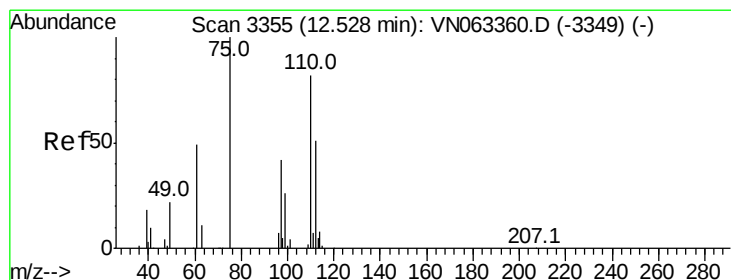
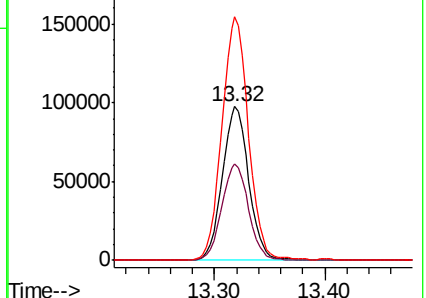
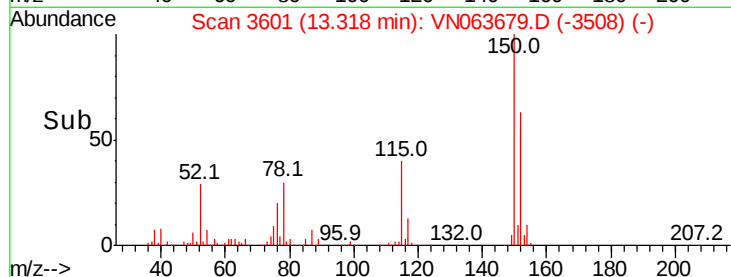
150 158.8 0.0 343.4



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: 27.934 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063679.D

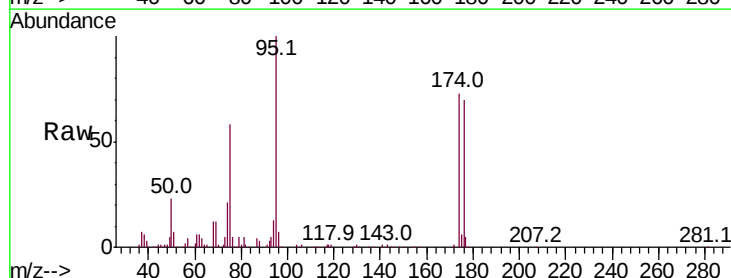
Acq: 25 Sep 2020 15:31

Tgt Ion: 75 Resp: 111776

Ion Ratio Lower Upper

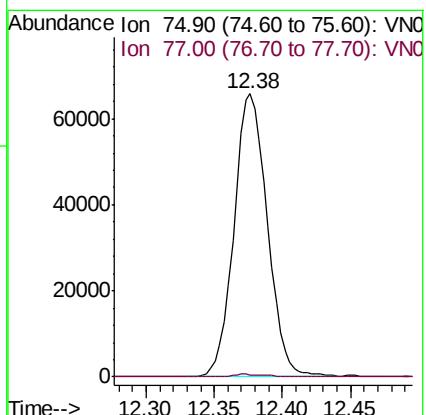
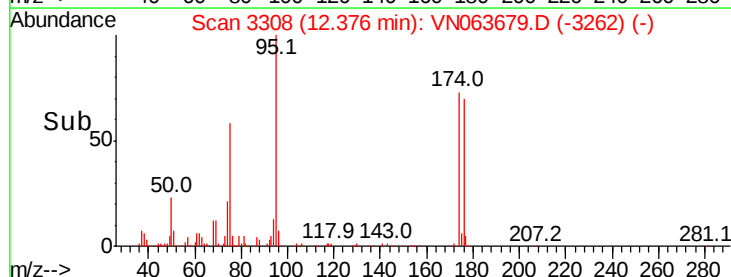
75 100

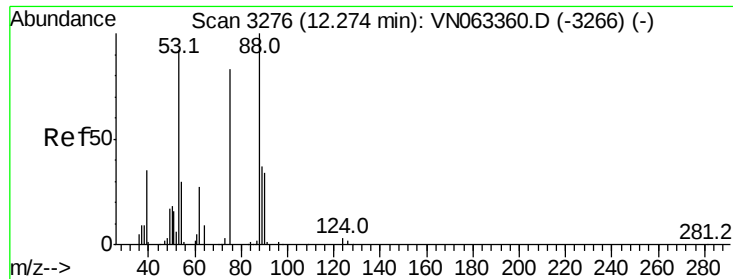
77 0.6 0.0 0.0#



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: 76.585 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063679.D

Acq: 25 Sep 2020 15:31

Instrument :

MSVOA_N

ClientSampleId :

RE126D1-20200921

Tot Ion: 75 Resp: 111776

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

