

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063681.D
 Acq On : 25 Sep 2020 16:19
 Operator : JC/MD
 Sample : L4119-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20200922

Quant Time: Sep 28 02:03:02 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	195501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	371097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	375399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	156333	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	171164	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
35) Dibromofluoromethane	7.55	113	123167	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	10.06	98	475745	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.38	95	185421	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	

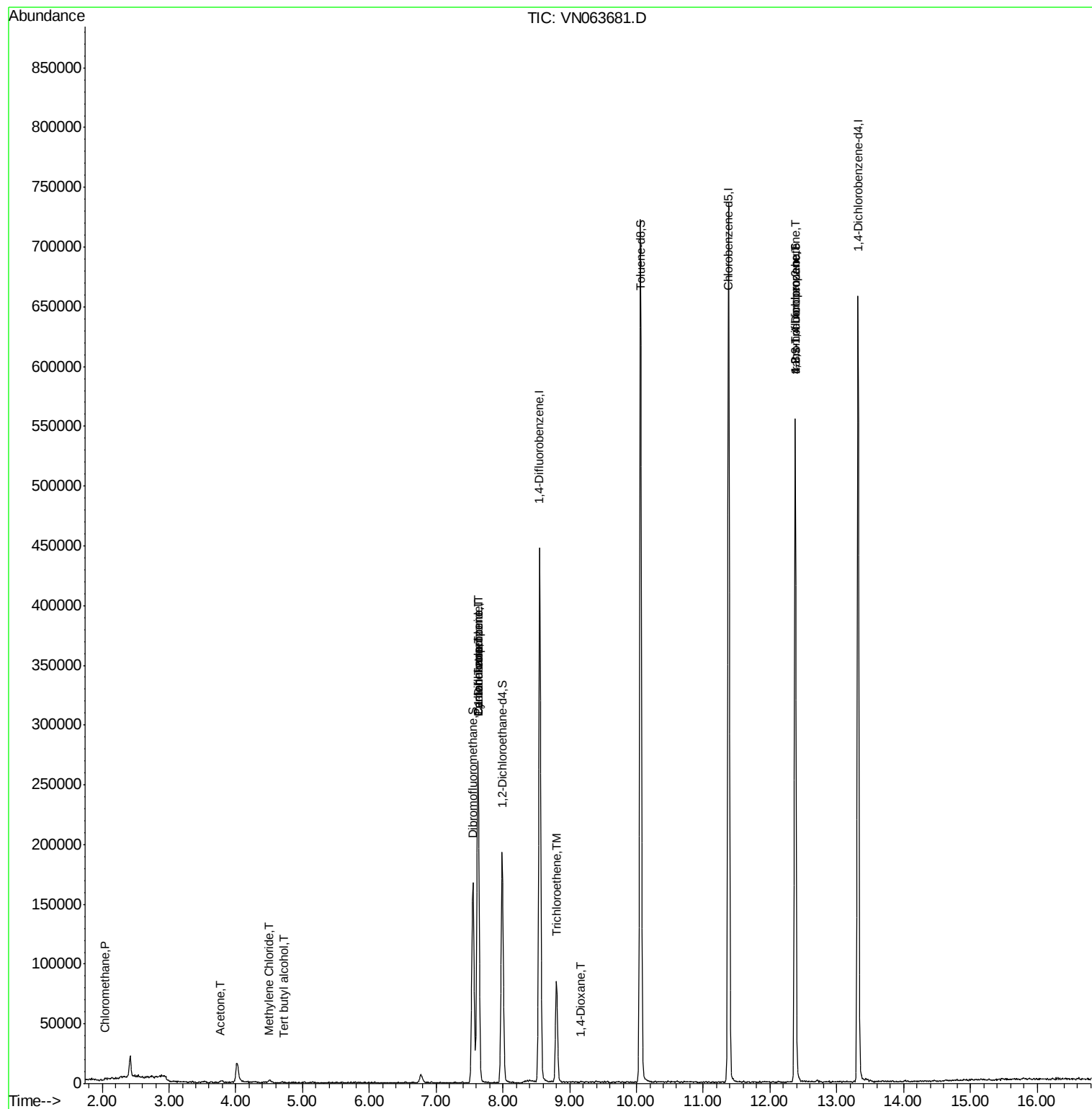
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1337	0.456	ug/l #	85
11) Tert butyl alcohol	4.72	59	128	0.278	ug/l #	72
16) Acetone	3.77	43	1088	1.017	ug/l	99
20) Methylene Chloride	4.50	84	1456	0.537	ug/l #	46
31) Cyclohexane	7.62	56	5408	1.177	ug/l #	21
36) 1,1-Dichloropropene	7.63	75	18942	4.791	ug/l #	48
38) Carbon Tetrachloride	7.63	117	22084	5.472	ug/l #	17
44) Trichloroethene	8.80	130	28304	10.340	ug/l	95
49) 1,4-Dioxane	9.17	88	273	5.581	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	105458	27.254	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	105458	74.720	ug/l #	7

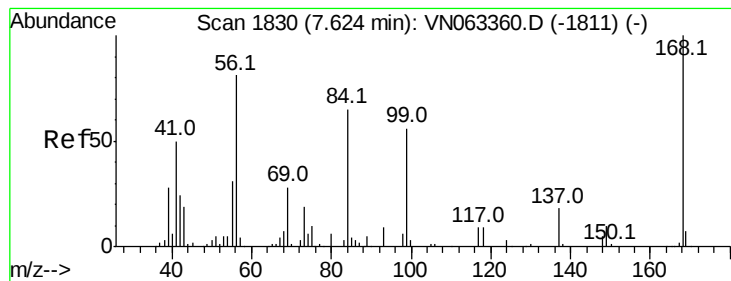
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

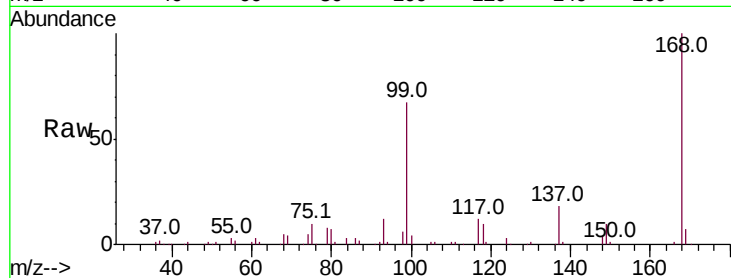
RE123D1-20200922

Tot Ion:168 Resp: 195501

Ion Ratio Lower Upper

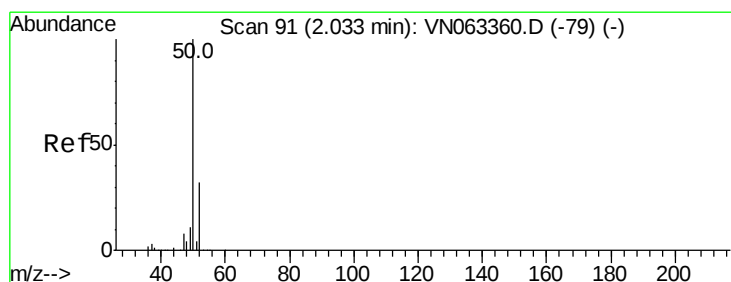
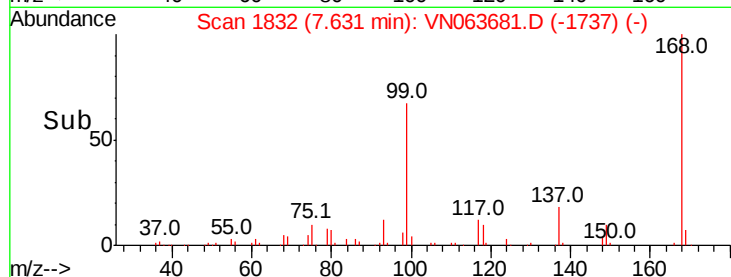
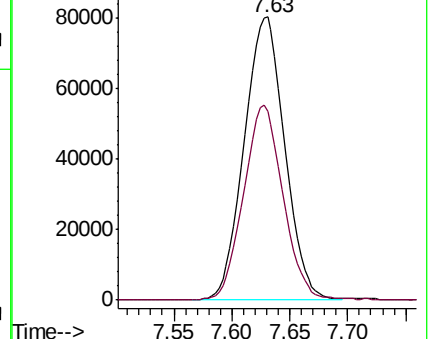
168 100

99 66.7 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: 0.456 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063681.D

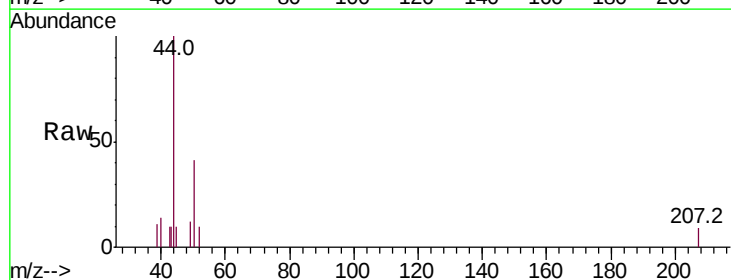
Acq: 25 Sep 2020 16:19

Tgt Ion: 50 Resp: 1337

Ion Ratio Lower Upper

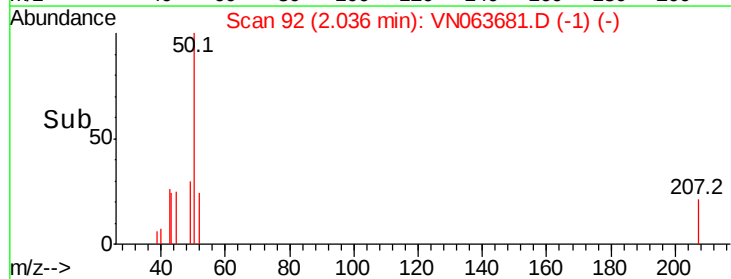
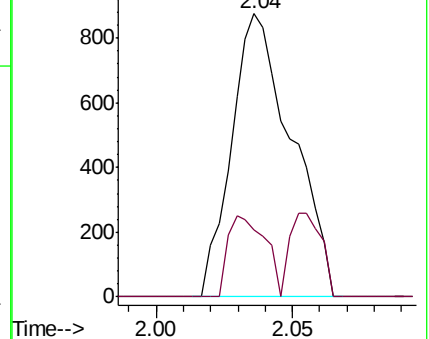
50 100

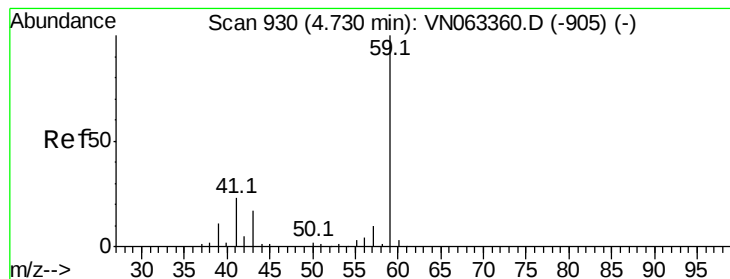
52 23.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#11

Tert butyl alcohol

Concen: 0.278 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

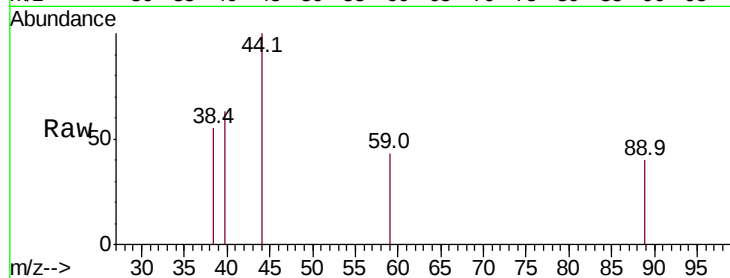
RE123D1-20200922

Tot Ion: 59 Resp: 128

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

4.72

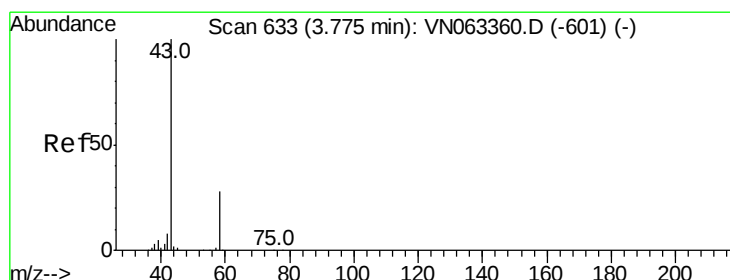
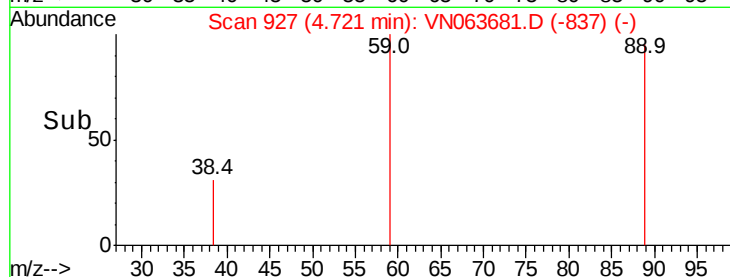
150

100

50

0

Time-->



#16

Acetone

Concen: 1.017 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN063681.D

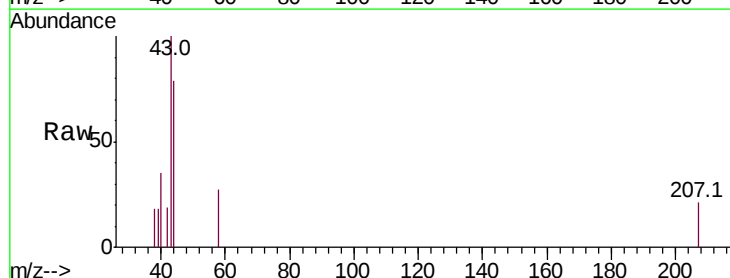
Acq: 25 Sep 2020 16:19

Tgt Ion: 43 Resp: 1088

Ion Ratio Lower Upper

43 100

58 27.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1000

800

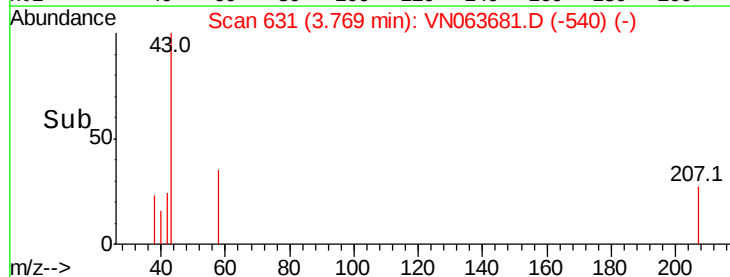
600

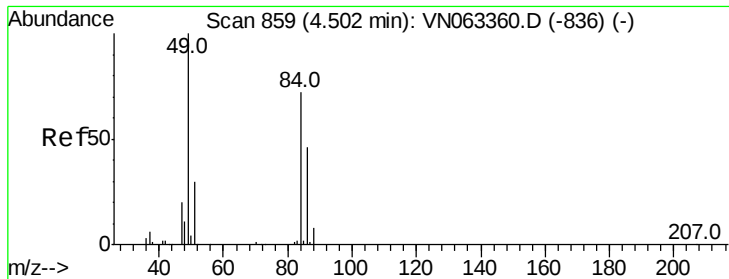
400

200

0

Time-->





#20

Methylene Chloride

Concen: 0.537 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.00 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20200922

Tot Ion: 84 Resp: 1456

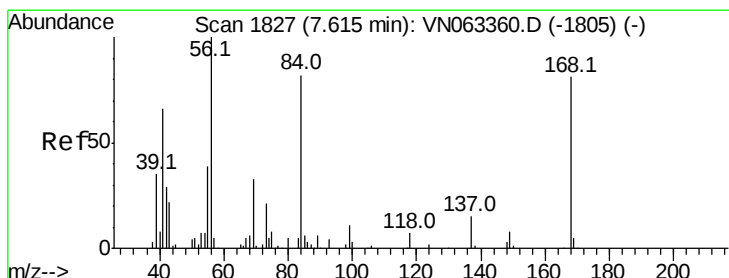
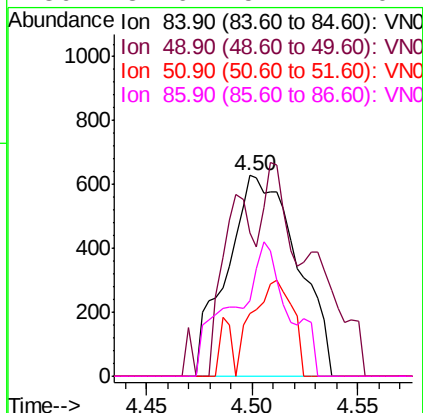
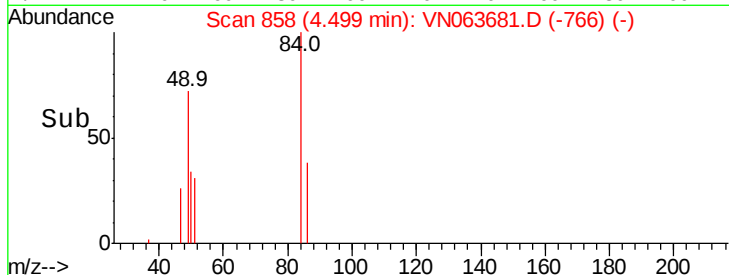
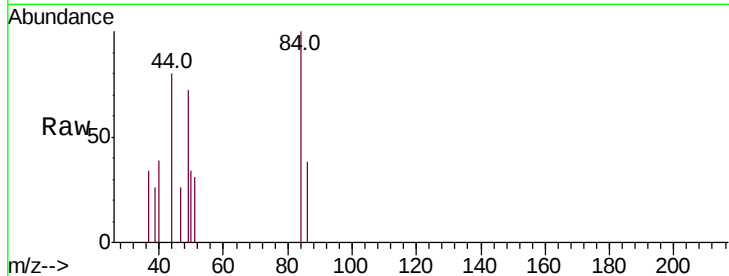
Ion Ratio Lower Upper

84 100

49 47.6 110.7 166.1#

51 31.4 32.9 49.3#

86 37.6 51.1 76.7#



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

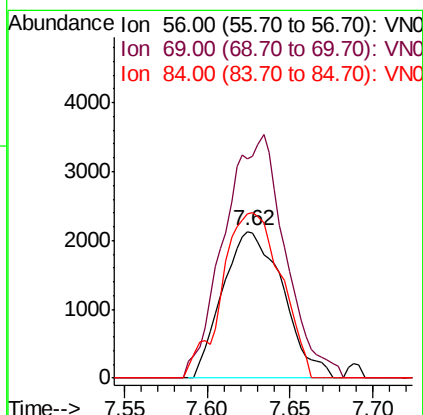
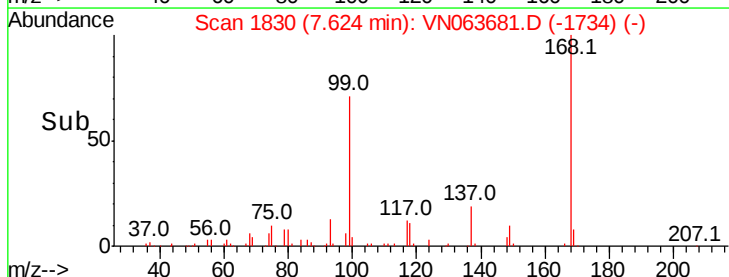
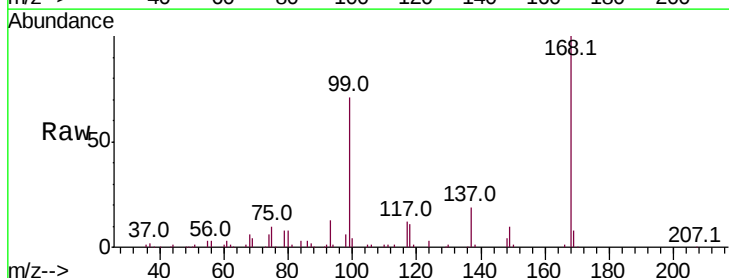
Tgt Ion: 56 Resp: 5408

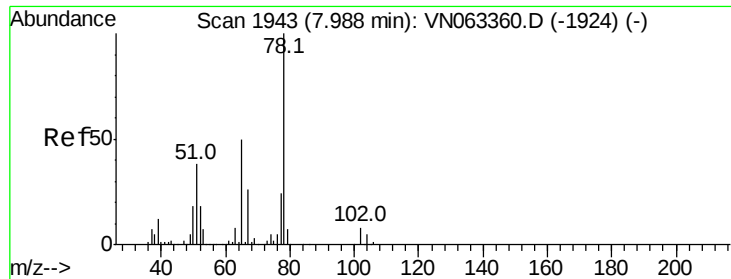
Ion Ratio Lower Upper

56 100

69 141.0 26.1 39.1#

84 112.2 65.4 98.2#





#33

1,2-Dichloroethane-d4

Concen: 51.432 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

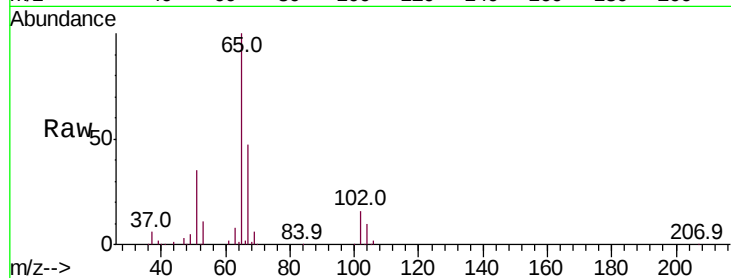
RE123D1-20200922

Tot Ion: 65 Resp: 171164

Ion Ratio Lower Upper

65 100

67 48.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

80000

60000

40000

20000

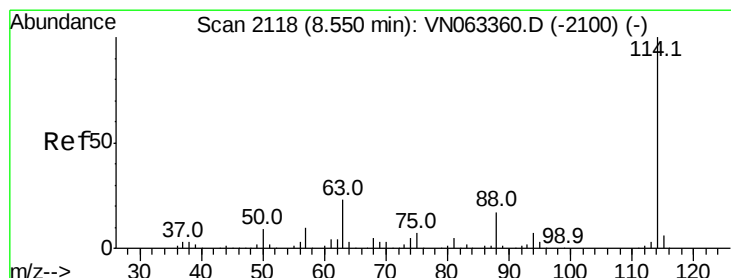
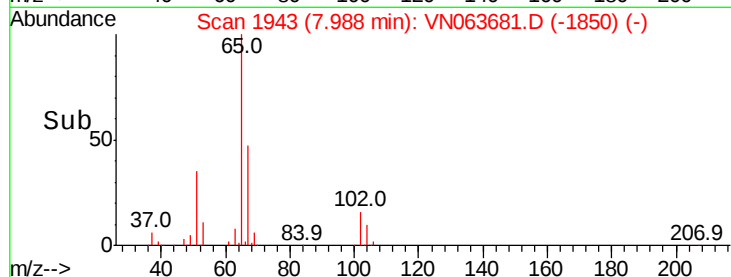
0

Time-->

7.90

8.00

8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

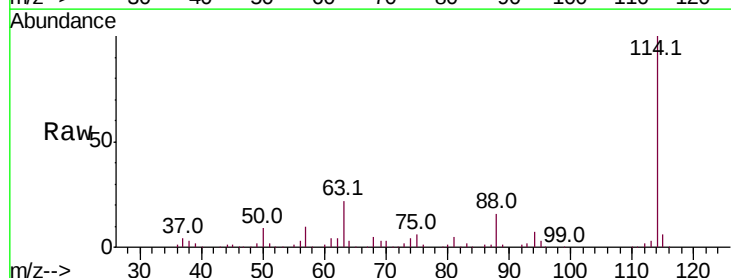
Tgt Ion:114 Resp: 371097

Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.4

88 16.1 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.55

200000

150000

100000

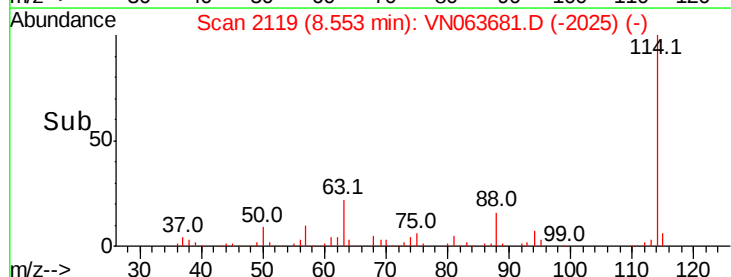
50000

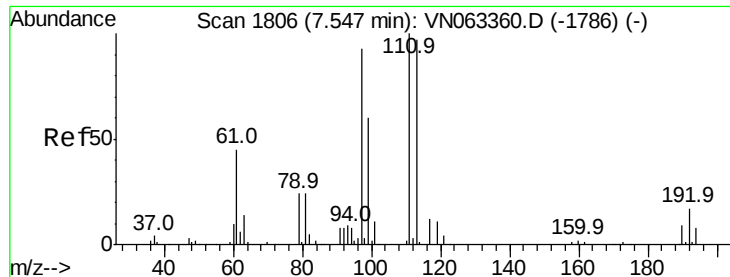
0

Time-->

8.50

8.60





#35

Dibromofluoromethane

Concen: 47.943 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20200922

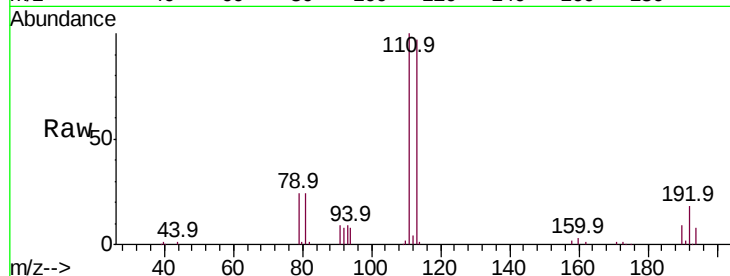
Tot Ion:113 Resp: 123167

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

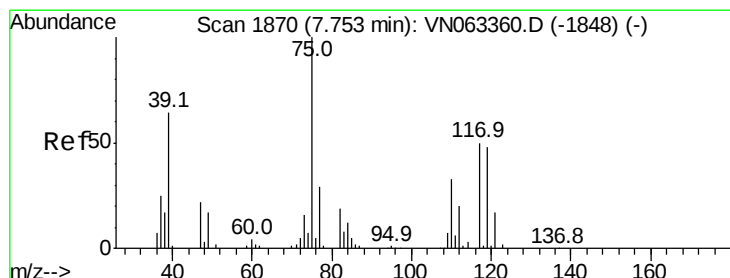
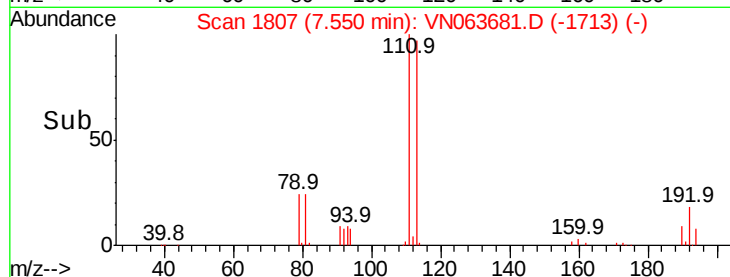
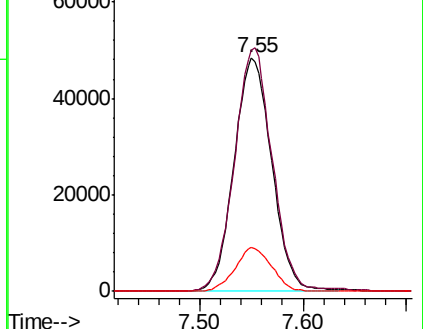
192 18.0 13.9 20.9



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: 4.791 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

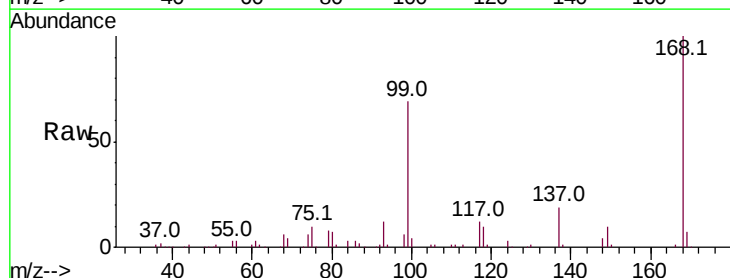
Tgt Ion: 75 Resp: 18942

Ion Ratio Lower Upper

75 100

110 5.9 16.5 49.5#

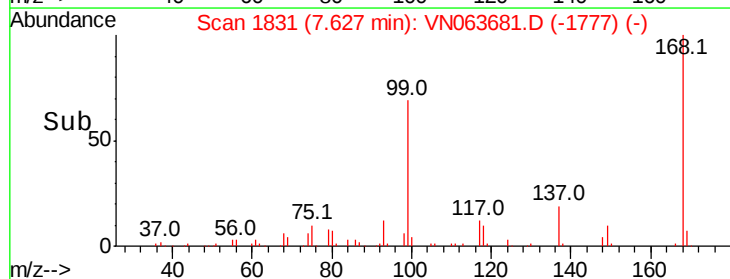
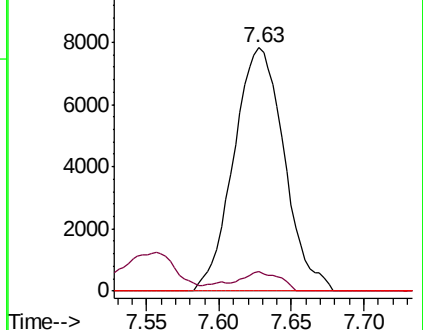
77 0.0 24.6 36.8#

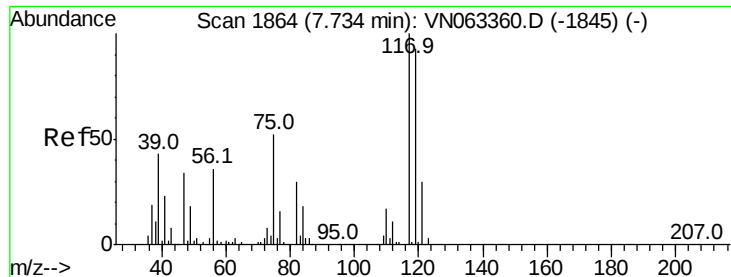


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.472 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

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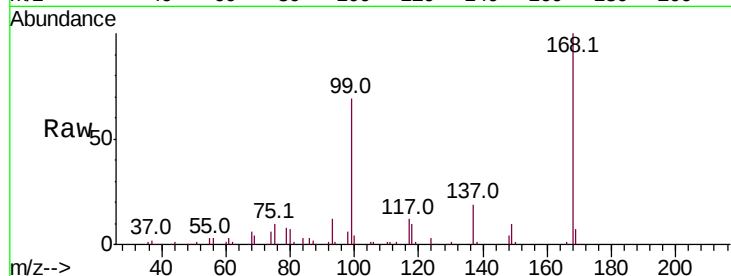
Tot Ion:117 Resp: 22084

Ion Ratio Lower Upper

117 100

119 4.7 74.5 111.7#

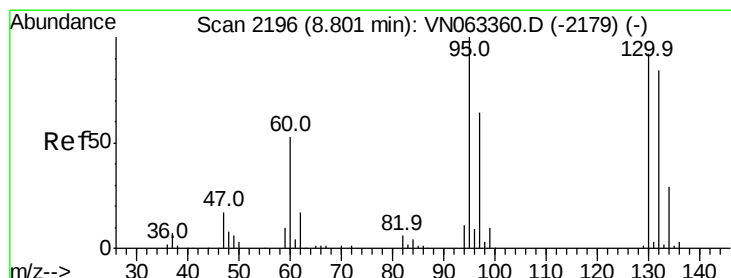
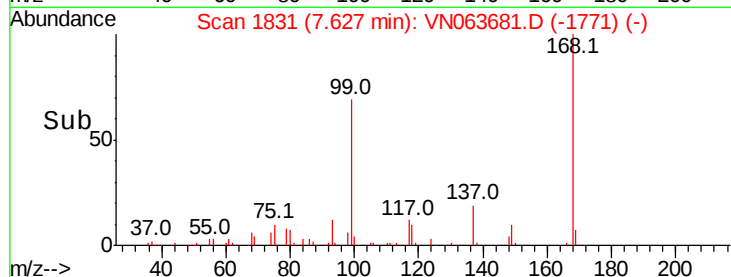
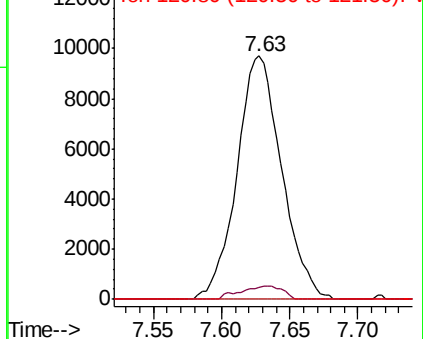
121 0.0 24.1 36.1#



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: 10.340 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063681.D

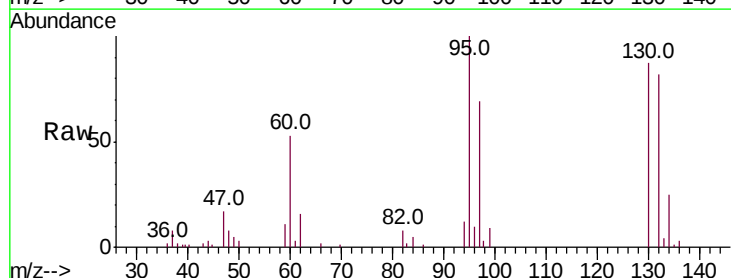
Acq: 25 Sep 2020 16:19

Tgt Ion:130 Resp: 28304

Ion Ratio Lower Upper

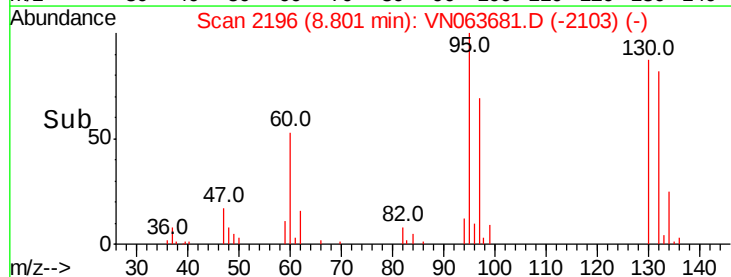
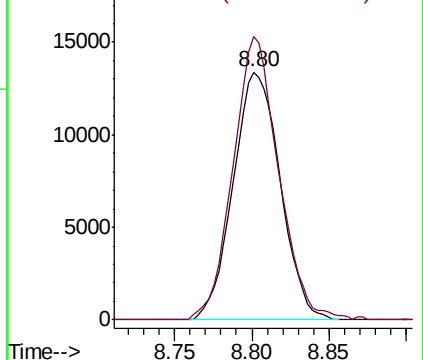
130 100

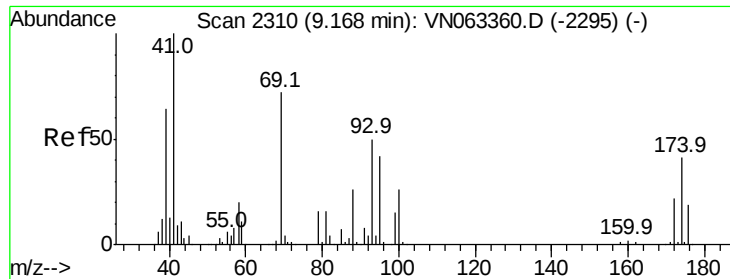
95 114.3 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 5.581 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

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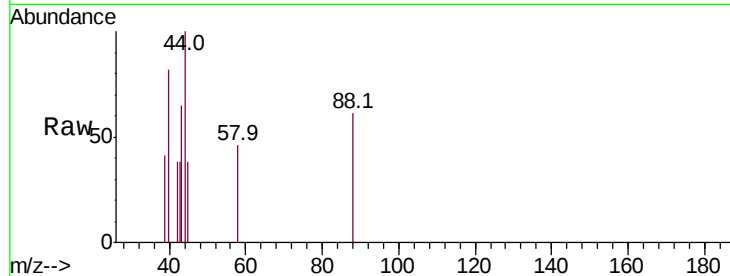
Tot Ion: 88 Resp: 273

Ion Ratio Lower Upper

88 100

43 169.6 32.6 49.0#

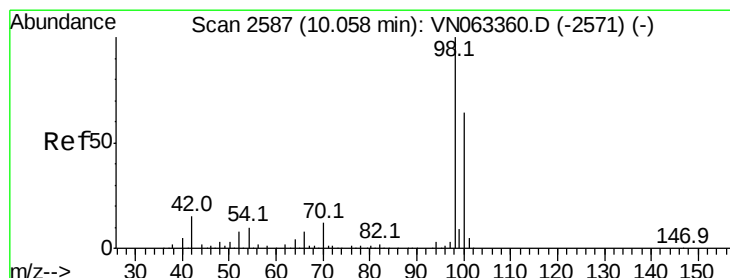
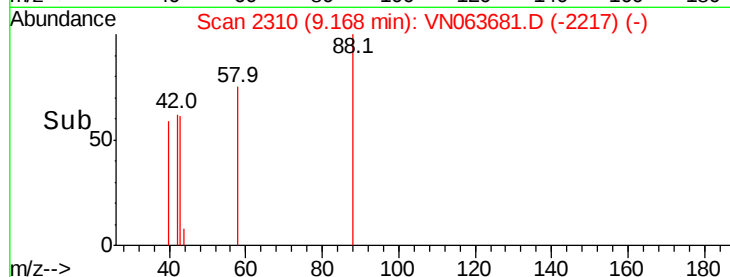
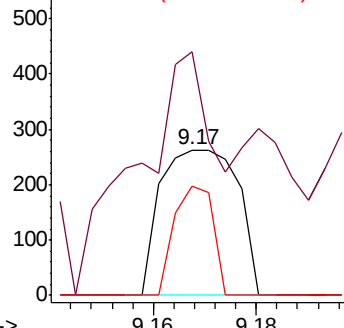
58 37.7 60.0 90.0#



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: 49.249 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063681.D

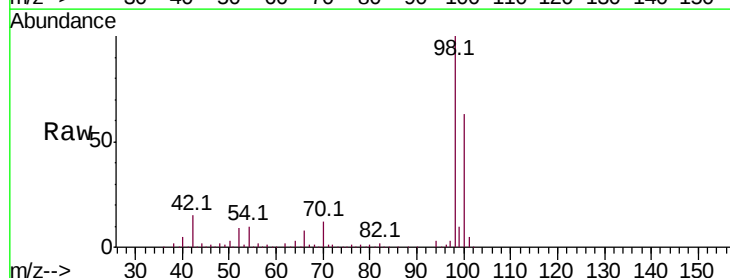
Acq: 25 Sep 2020 16:19

Tgt Ion: 98 Resp: 475745

Ion Ratio Lower Upper

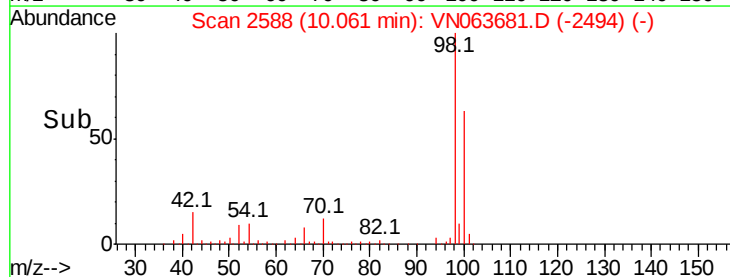
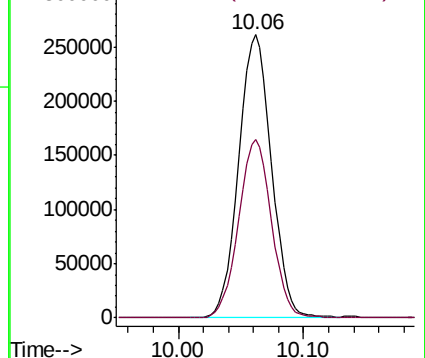
98 100

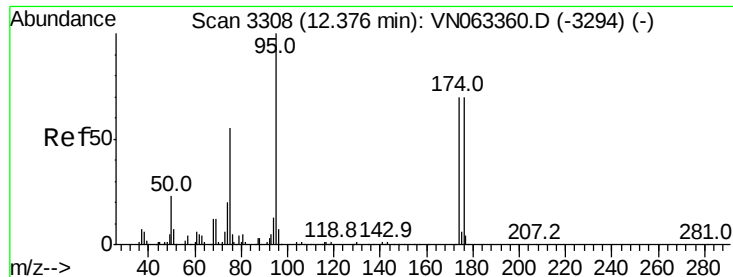
100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.361 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20200922

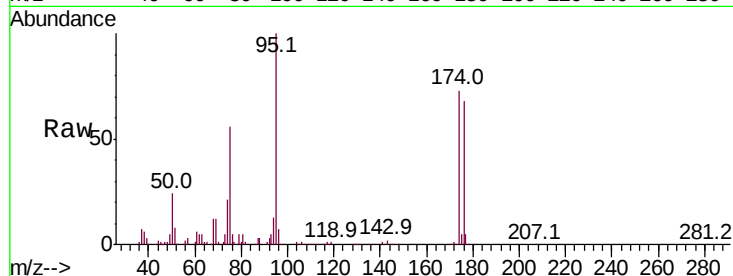
Tot Ion: 95 Resp: 185421

Ion Ratio Lower Upper

95 100

174 72.0 0.0 140.8

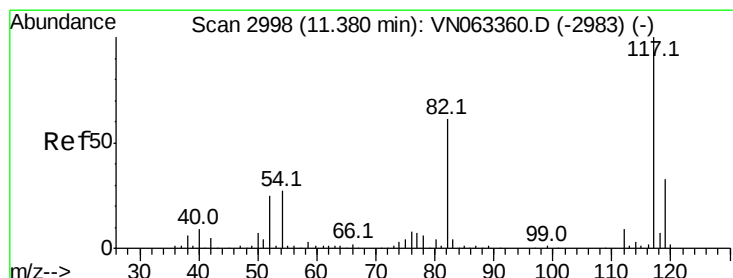
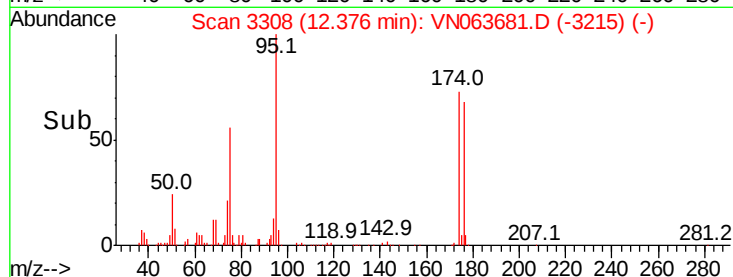
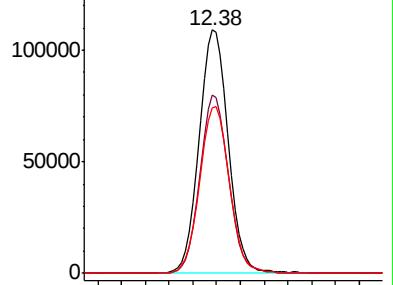
176 69.7 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

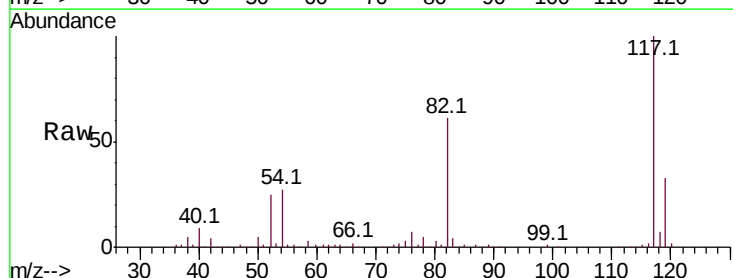
Tgt Ion: 117 Resp: 375399

Ion Ratio Lower Upper

117 100

82 61.5 49.2 73.8

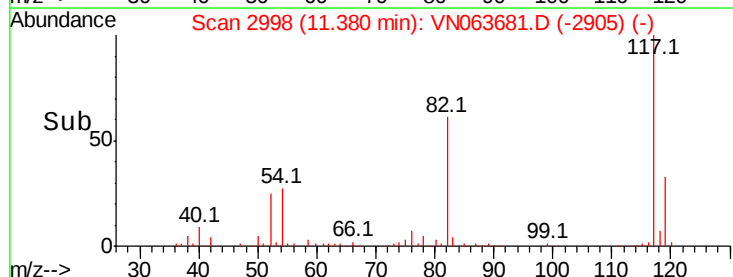
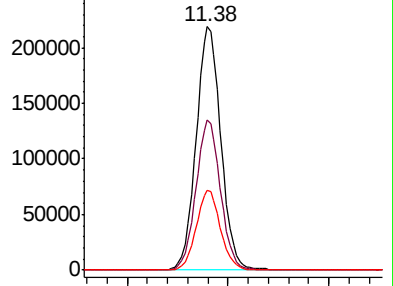
119 32.9 26.2 39.4

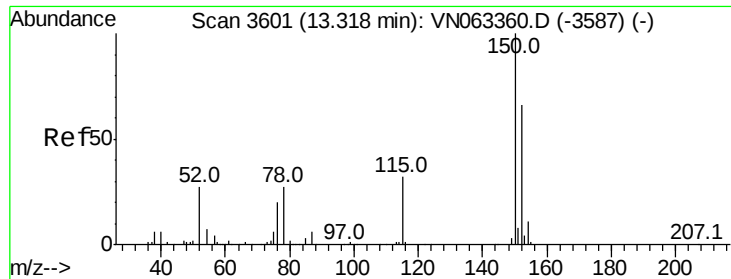


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20200922

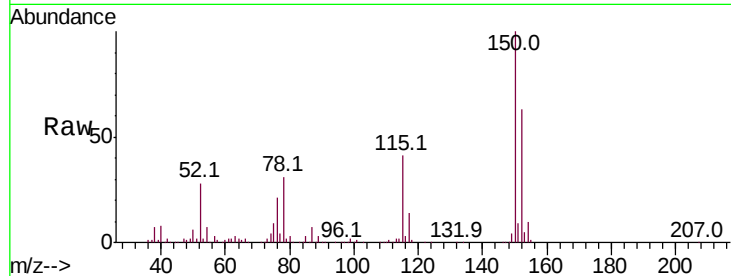
Tot Ion:152 Resp: 156333

Ion Ratio Lower Upper

152 100

115 64.9 32.2 96.6

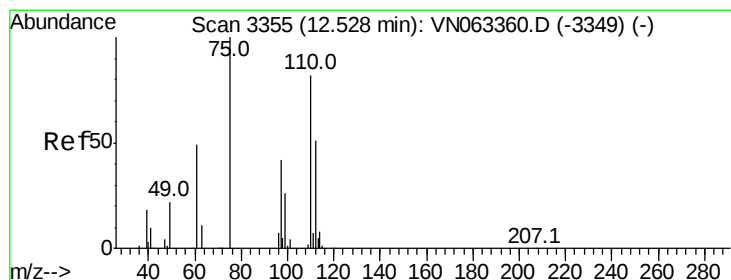
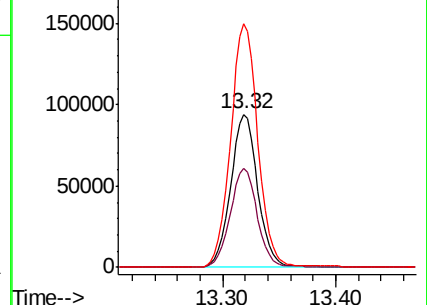
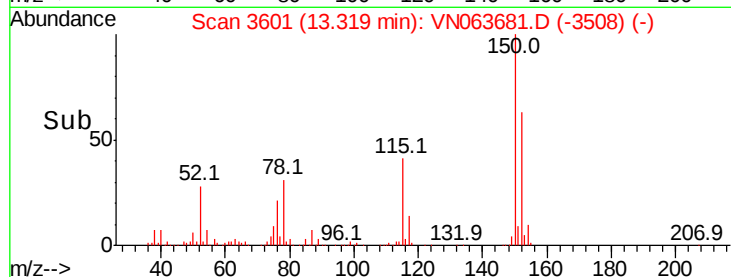
150 159.9 0.0 343.4



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: 27.254 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063681.D

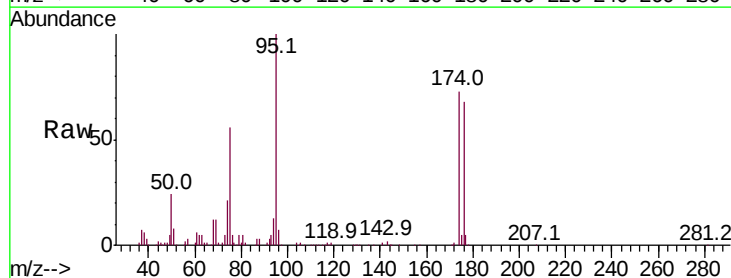
Acq: 25 Sep 2020 16:19

Tgt Ion: 75 Resp: 105458

Ion Ratio Lower Upper

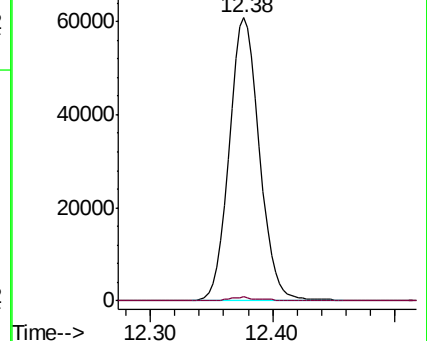
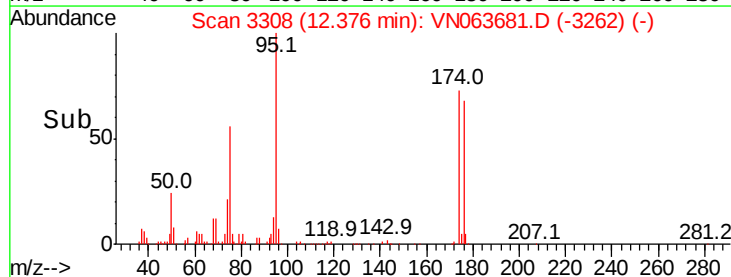
75 100

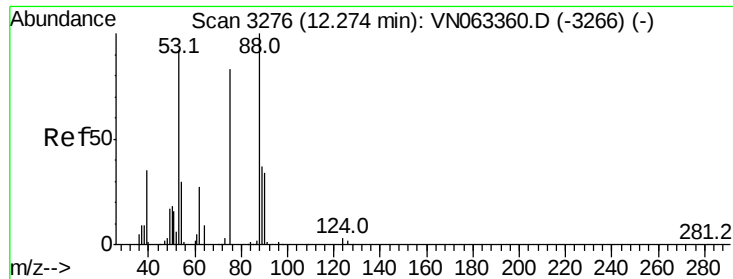
77 1.2 0.0 0.0#



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: 74.720 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063681.D

Acq: 25 Sep 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

RE123D1-20200922

Tot Ion: 75 Resp: 105458

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

