

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072720\
 Data File : VY003359.D
 Acq On : 27 Jul 2020 16:39
 Operator : SY/MD
 Sample : L3435-02
 Misc : 8.26G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1

Quant Time: Jul 28 05:05:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

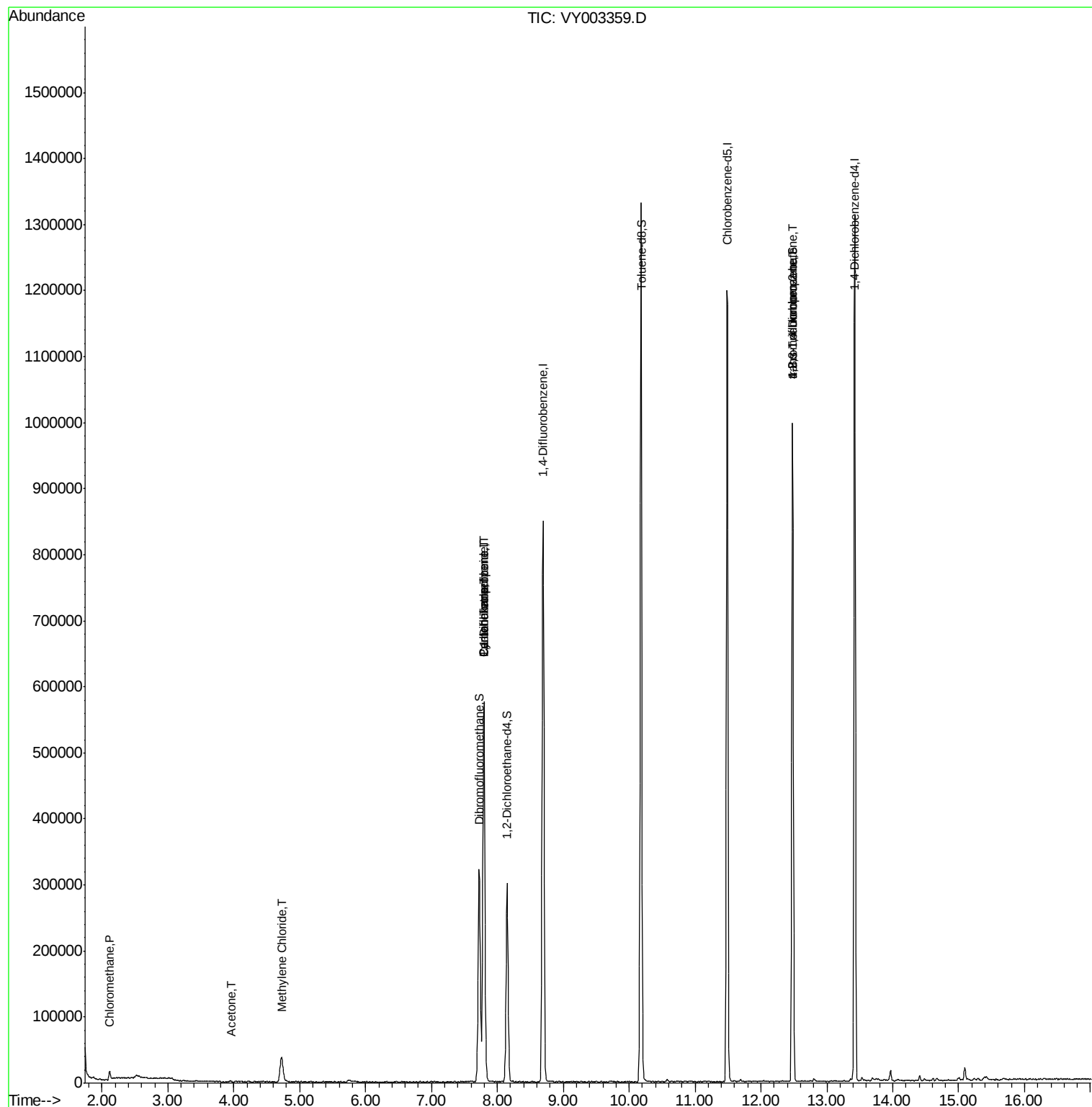
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	469760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	732207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	676975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	338569	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	235669	59.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.88%	
35) Dibromofluoromethane	7.72	113	226871	53.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.68%	
50) Toluene-d8	10.18	98	890533	56.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.70%	
62) 4-Bromofluorobenzene	12.48	95	290620	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.12	50	10721	2.296	ug/l	97
16) Acetone	3.96	43	1540	1.739	ug/l #	62
20) Methylene Chloride	4.72	84	30129	1.422	ug/l	98
31) Cyclohexane	7.80	56	8174	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	32223	4.856	ug/l #	49
38) Carbon Tetrachloride	7.80	117	42529	6.208	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	147806	49.319	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	147806	95.985	ug/l #	13

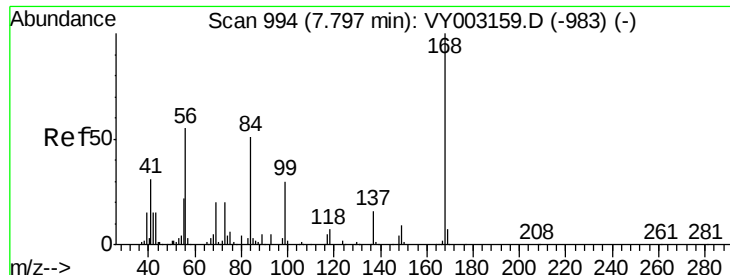
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003359.D

Acq: 27 Jul 2020 16:39

Instrument :

MSVOA_Y

ClientSampleId :

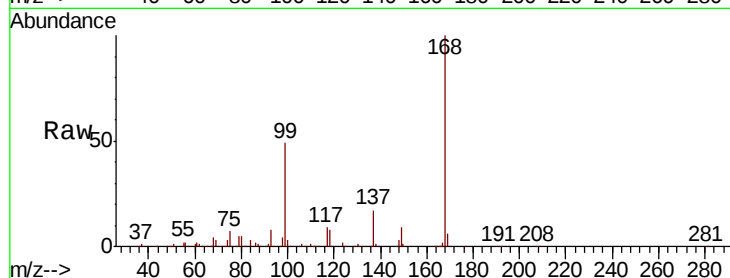
SP-1

Tot Ion:168 Resp: 469760

Ion Ratio Lower Upper

168 100

99 49.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003359.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003359.D (-983) (-)

7.80

250000

200000

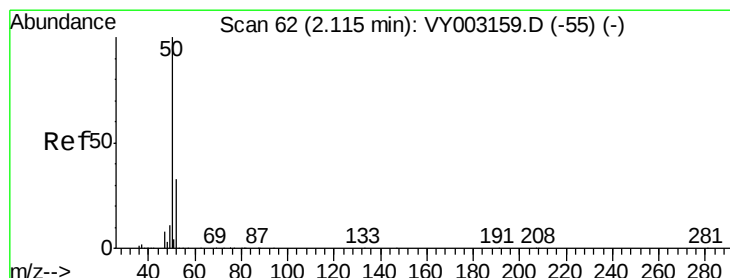
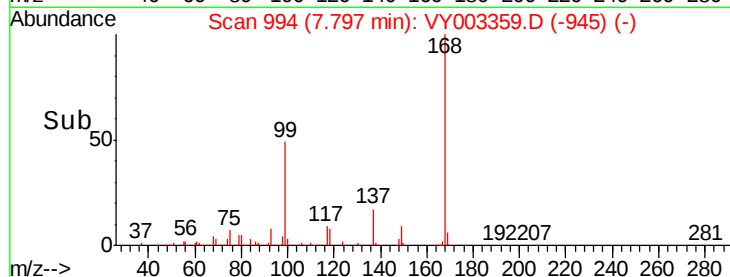
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 2.296 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003359.D

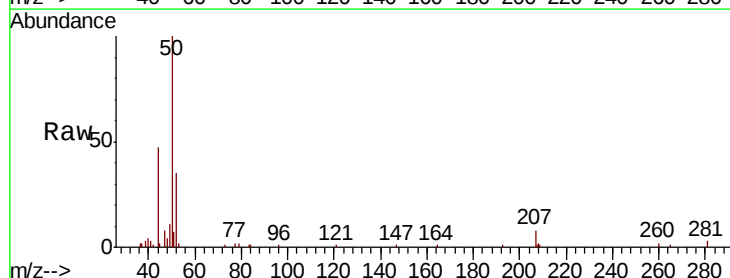
Acq: 27 Jul 2020 16:39

Tgt Ion: 50 Resp: 10721

Ion Ratio Lower Upper

50 100

52 35.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY003359.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003359.D (-13) (-)

2.12

8000

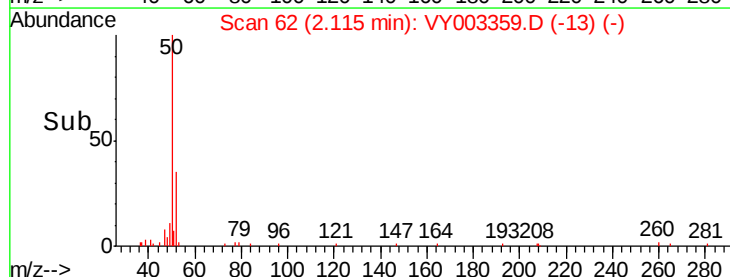
6000

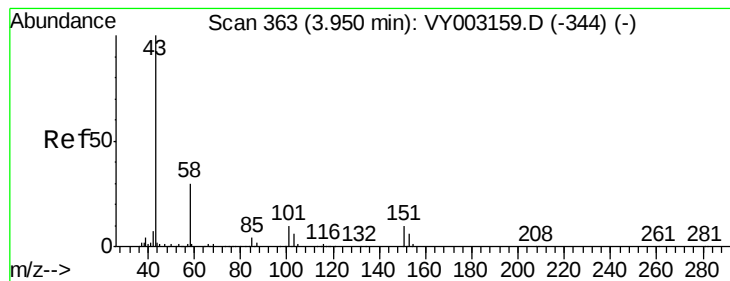
4000

2000

0

Time-->





#16

Acetone

Concen: 1.739 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003359.D

Acq: 27 Jul 2020 16:39

Instrument :

MSVOA_Y

ClientSampled :

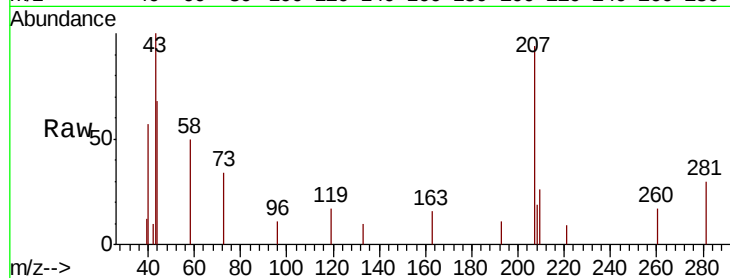
SP-1

Tot Ion: 43 Resp: 1540

Ion Ratio Lower Upper

43 100

58 50.3 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

600

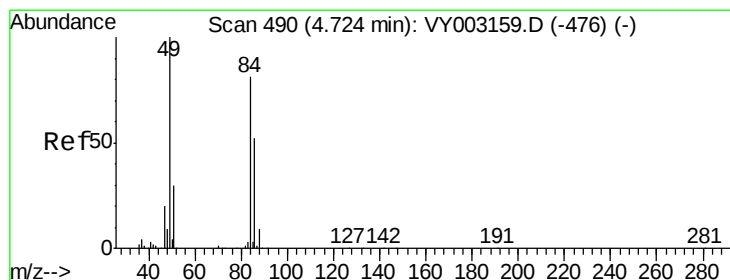
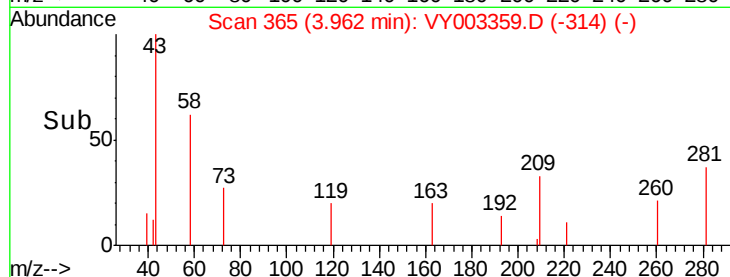
400

200

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 1.422 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY003359.D

Acq: 27 Jul 2020 16:39

Tgt Ion: 84 Resp: 30129

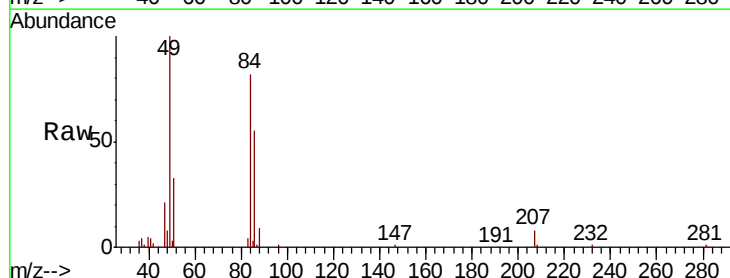
Ion Ratio Lower Upper

84 100

49 121.8 98.2 147.4

51 40.0 29.8 44.6

86 67.4 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

15000

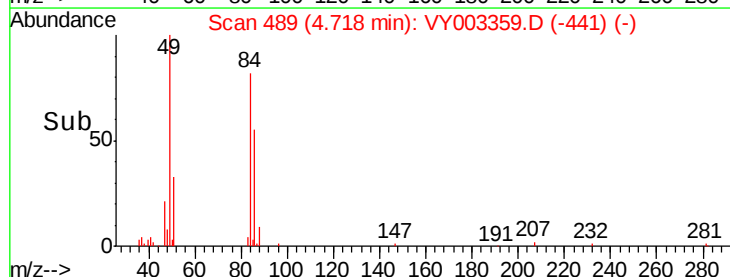
10000

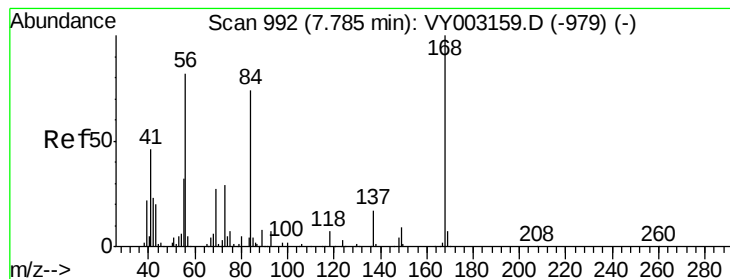
5000

0

Time-->

4.60 4.70 4.80





#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003359.D

Acq: 27 Jul 2020 16:39

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

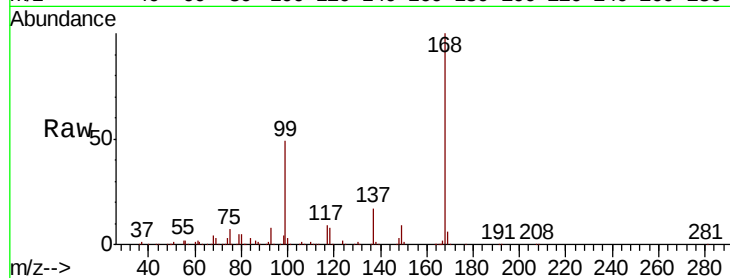
Tot Ion: 56 Resp: 8174

Ion Ratio Lower Upper

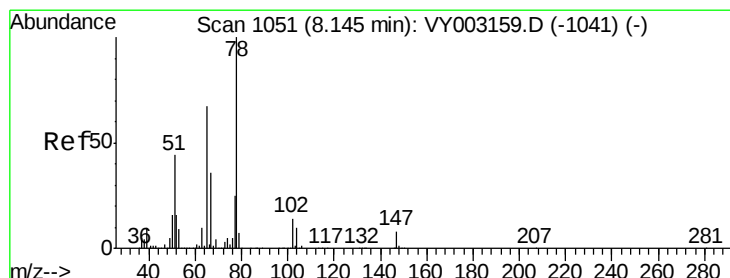
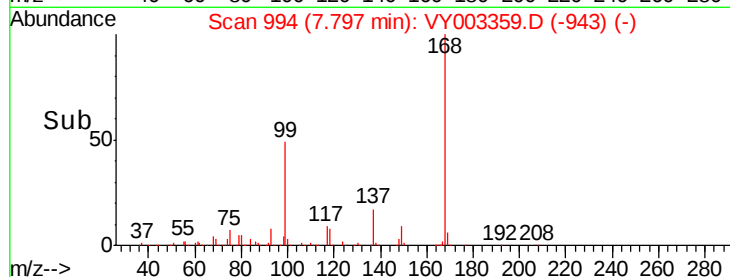
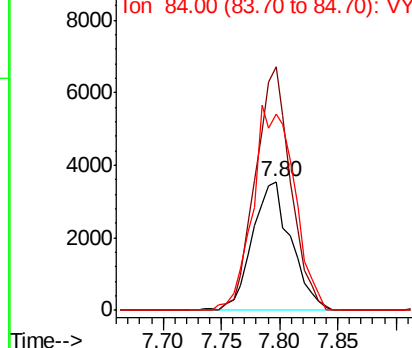
56 100

69 189.4 26.7 40.1#

84 152.4 72.3 108.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 59.438 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003359.D

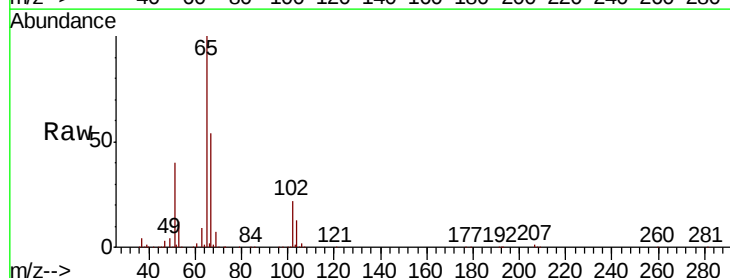
Acq: 27 Jul 2020 16:39

Tgt Ion: 65 Resp: 235669

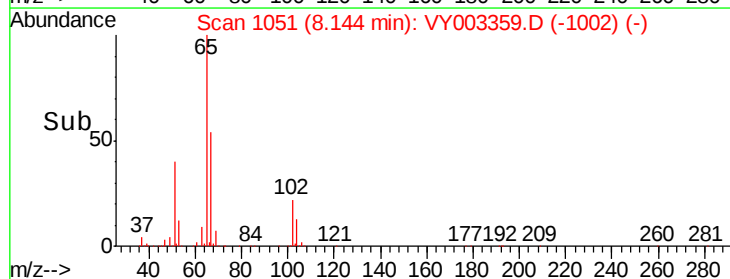
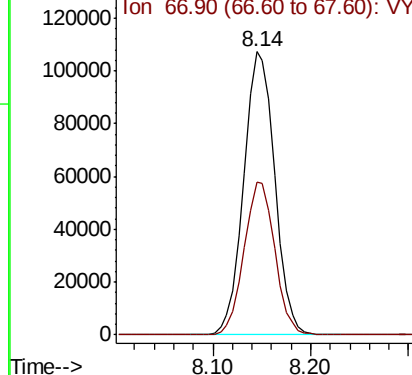
Ion Ratio Lower Upper

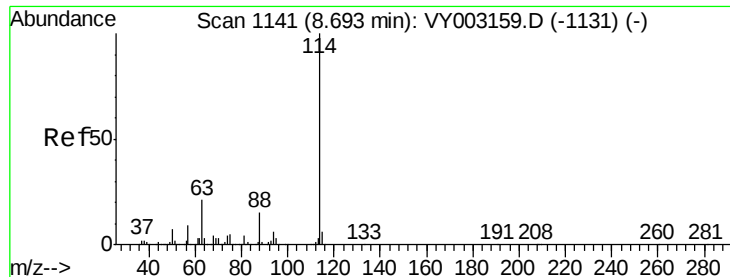
65 100

67 53.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

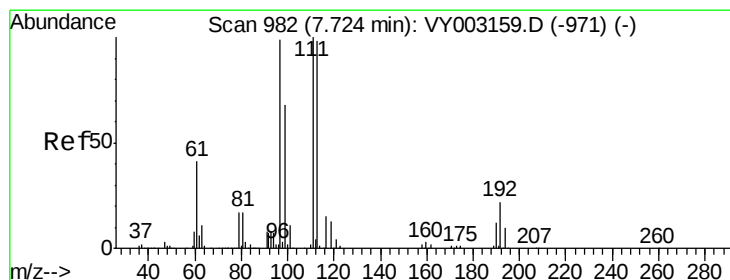
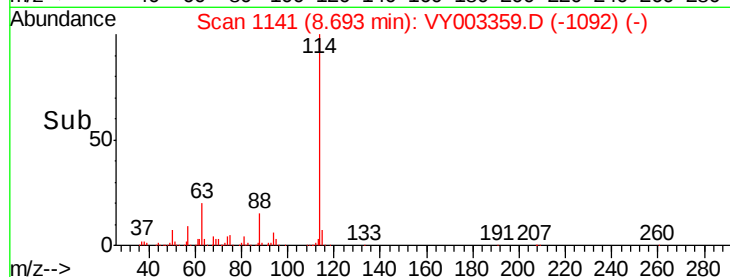
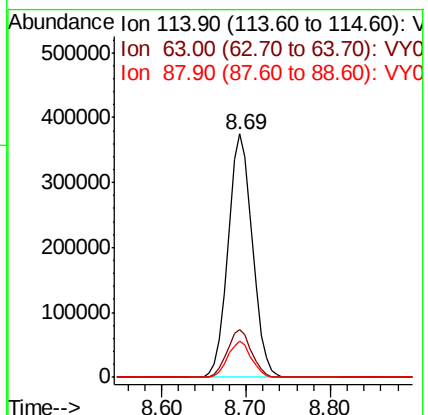
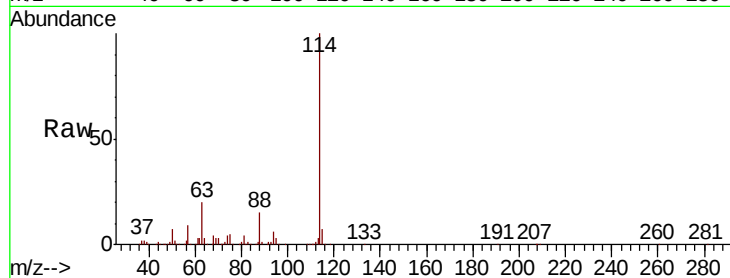




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003359.D
 Acq: 27 Jul 2020 16:39

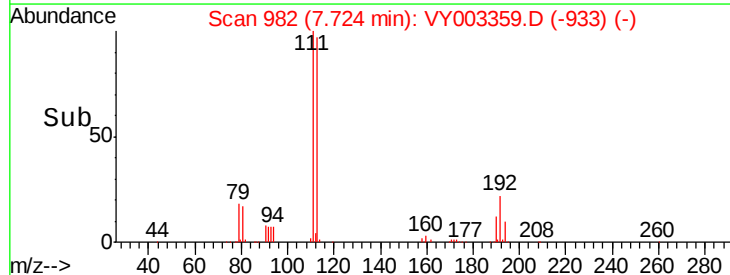
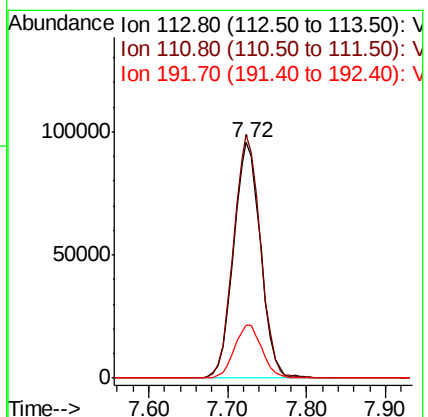
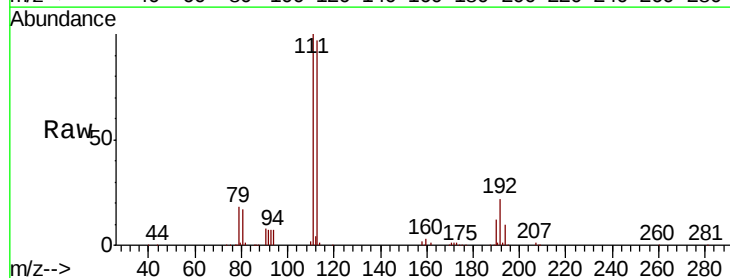
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1

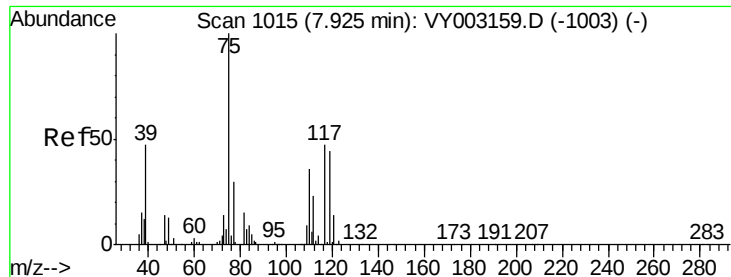
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.2
88	15.1	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 53.842 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003359.D
 Acq: 27 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	22.9	18.8	28.2





#36

1,1-Dichloropropene

Concen: 4.856 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003359.D

Acq: 27 Jul 2020 16:39

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

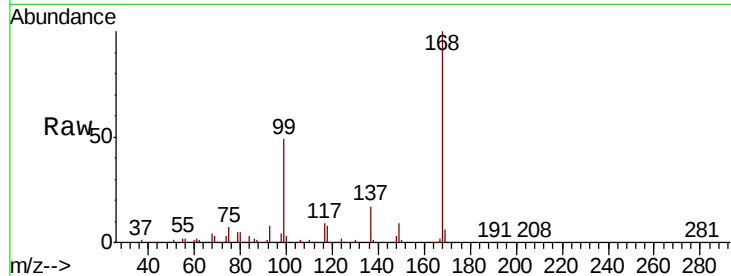
Tot Ion: 75 Resp: 32223

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

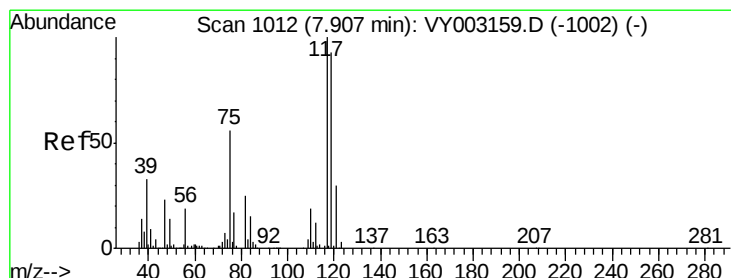
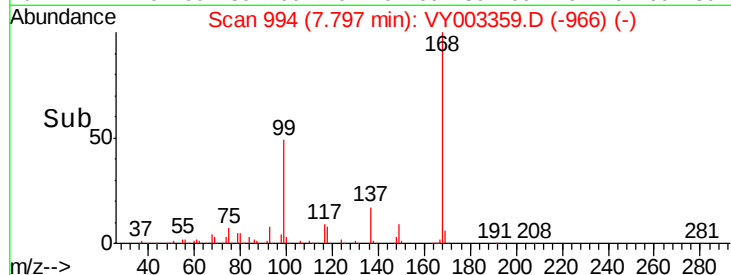
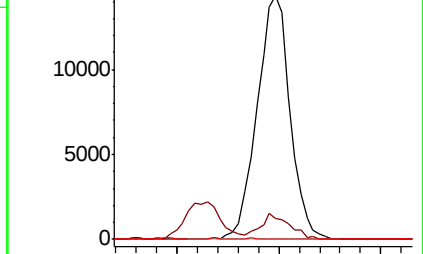
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY003359.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003359.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003359.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 6.208 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003359.D

Acq: 27 Jul 2020 16:39

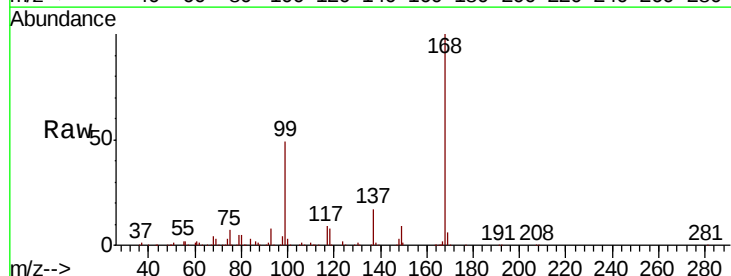
Tgt Ion: 117 Resp: 42529

Ion Ratio Lower Upper

117 100

119 5.1 74.5 111.7#

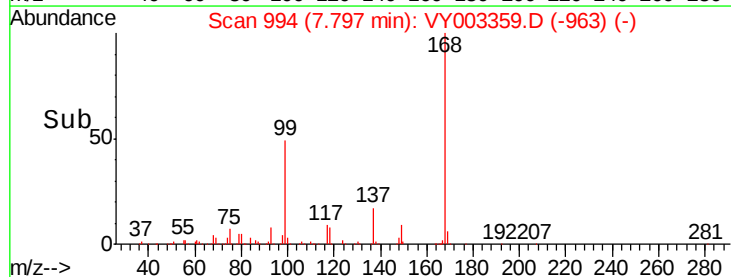
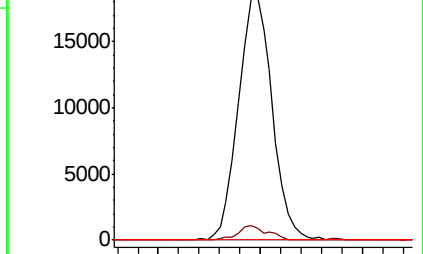
121 0.0 24.2 36.2#

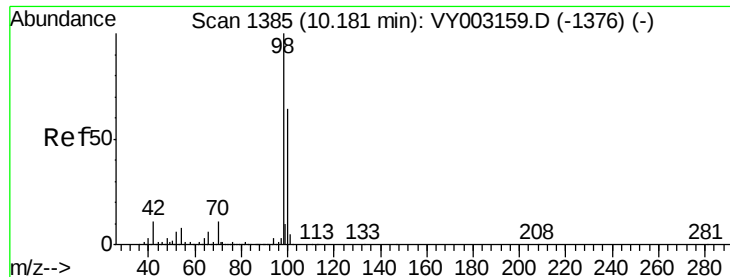


Abundance Ion 116.80 (116.50 to 117.50): VY003359.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003359.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003359.D (-963) (-)





#50

Toluene-d8

Concen: 56.846 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003359.D

Acq: 27 Jul 2020 16:39

Instrument :

MSVOA_Y

ClientSampled :

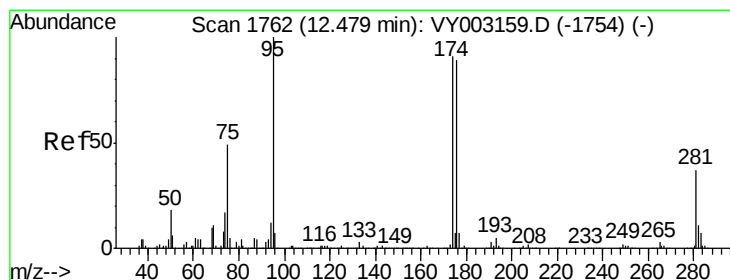
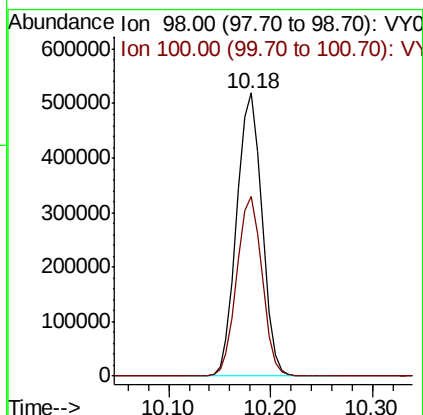
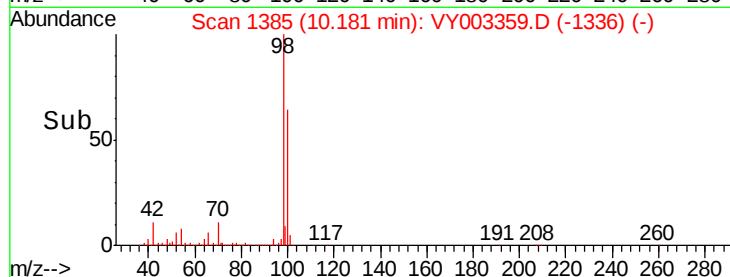
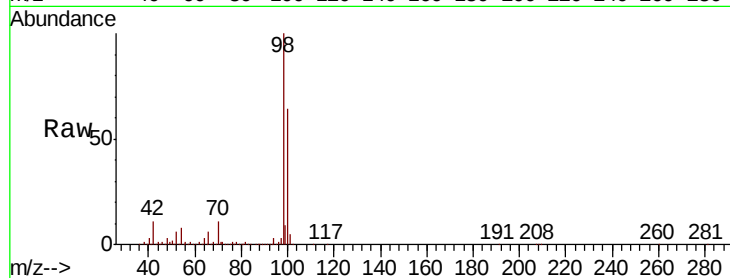
SP-1

Tot Ion: 98 Resp: 890533

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 51.352 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003359.D

Acq: 27 Jul 2020 16:39

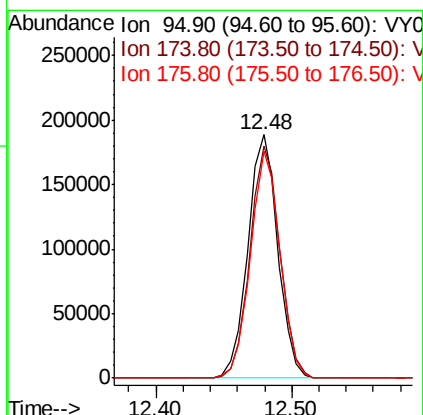
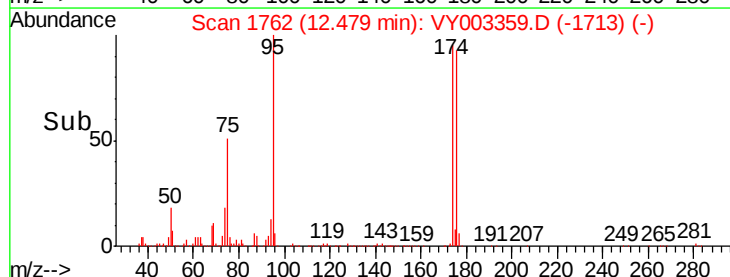
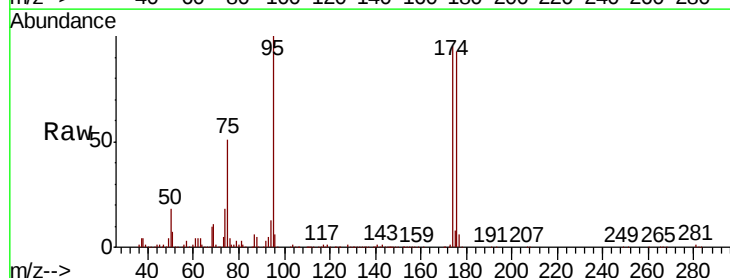
Tgt Ion: 95 Resp: 290620

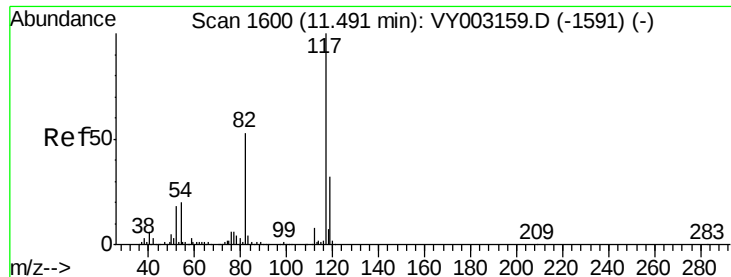
Ion Ratio Lower Upper

95 100

174 95.6 0.0 190.6

176 92.3 0.0 186.4

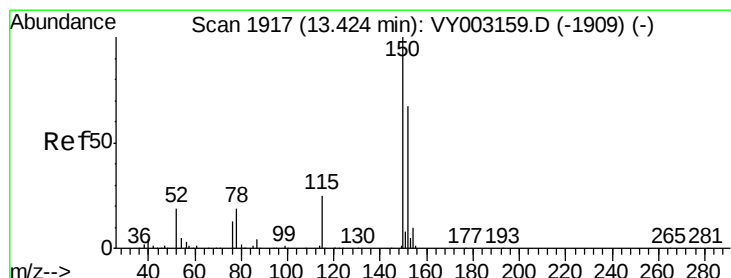
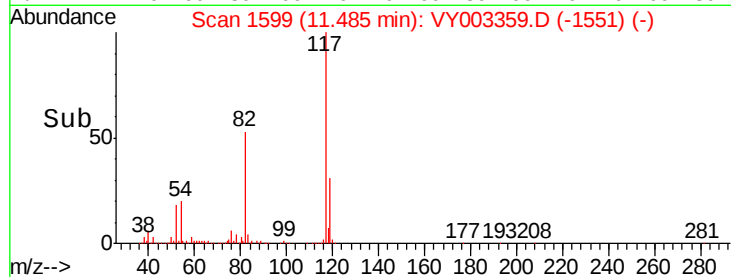
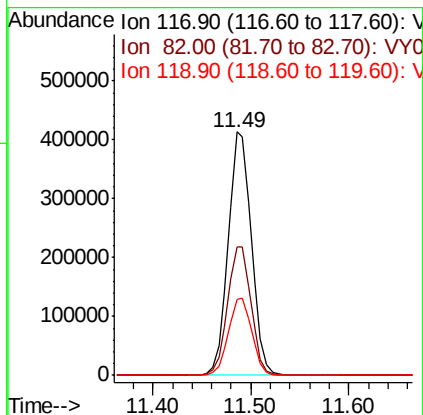
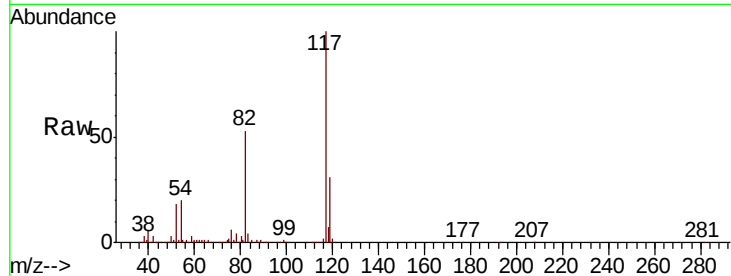




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003359.D
Acq: 27 Jul 2020 16:39

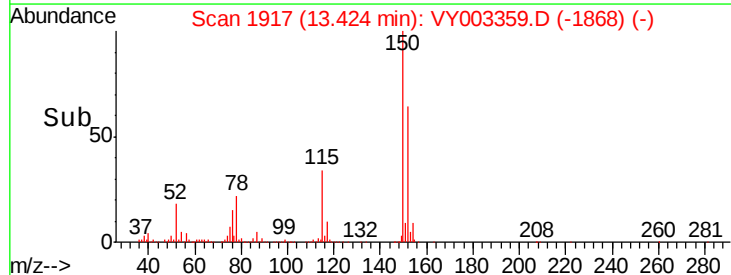
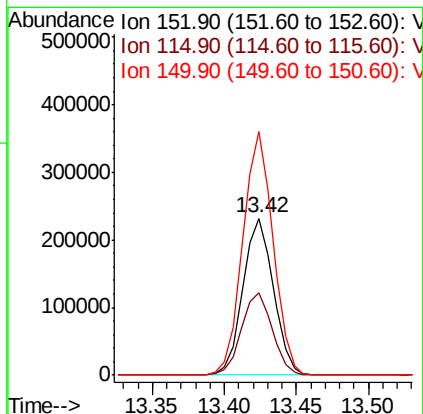
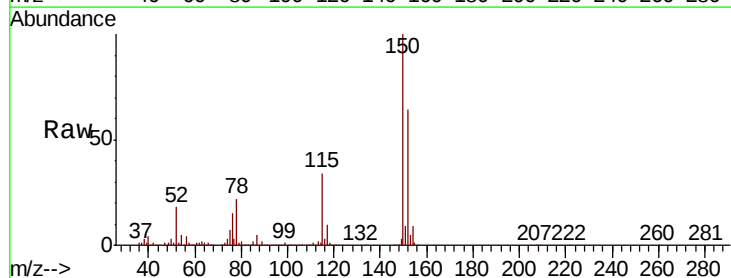
Instrument :
MSVOA_Y
ClientSampled :
SP-1

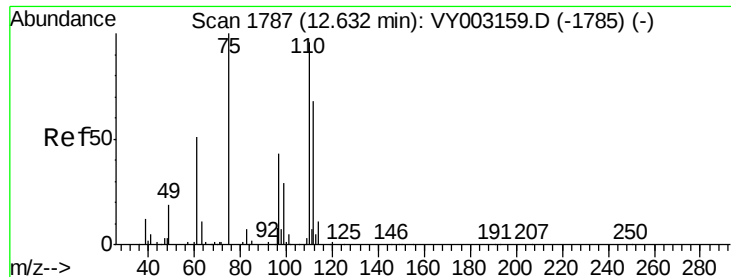
Tot Ion:117 Resp: 676975
Ion Ratio Lower Upper
117 100
82 52.8 42.0 63.0
119 31.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003359.D
Acq: 27 Jul 2020 16:39

Tgt Ion:152 Resp: 338569
Ion Ratio Lower Upper
152 100
115 53.4 26.9 80.7
150 154.4 0.0 338.0





#76

1,2,3-Trichloropropane

Concen: 49.319 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003359.D

Acq: 27 Jul 2020 16:39

Instrument :

MSVOA_Y

ClientSampled :

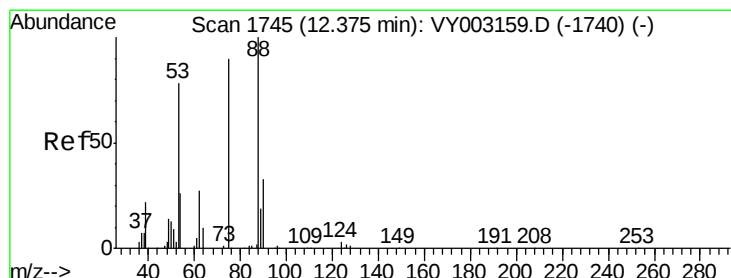
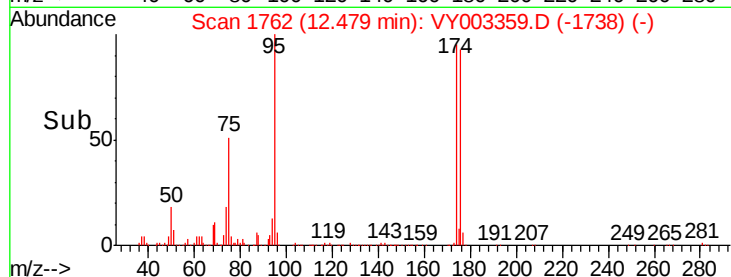
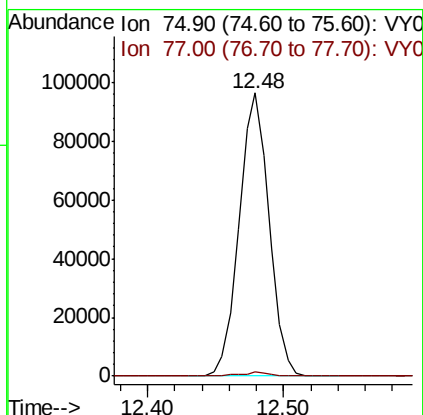
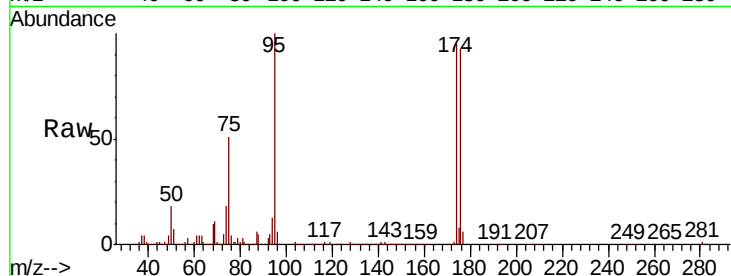
SP-1

Tot Ion: 75 Resp: 147806

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.985 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003359.D

Acq: 27 Jul 2020 16:39

Tgt Ion: 75 Resp: 147806

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.2 37.3 55.9#

