

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003240.D
 Acq On : 20 Jul 2020 18:30
 Operator : SY/MD
 Sample : L3308-14RE
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 14

Quant Time: Jul 21 03:19:56 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

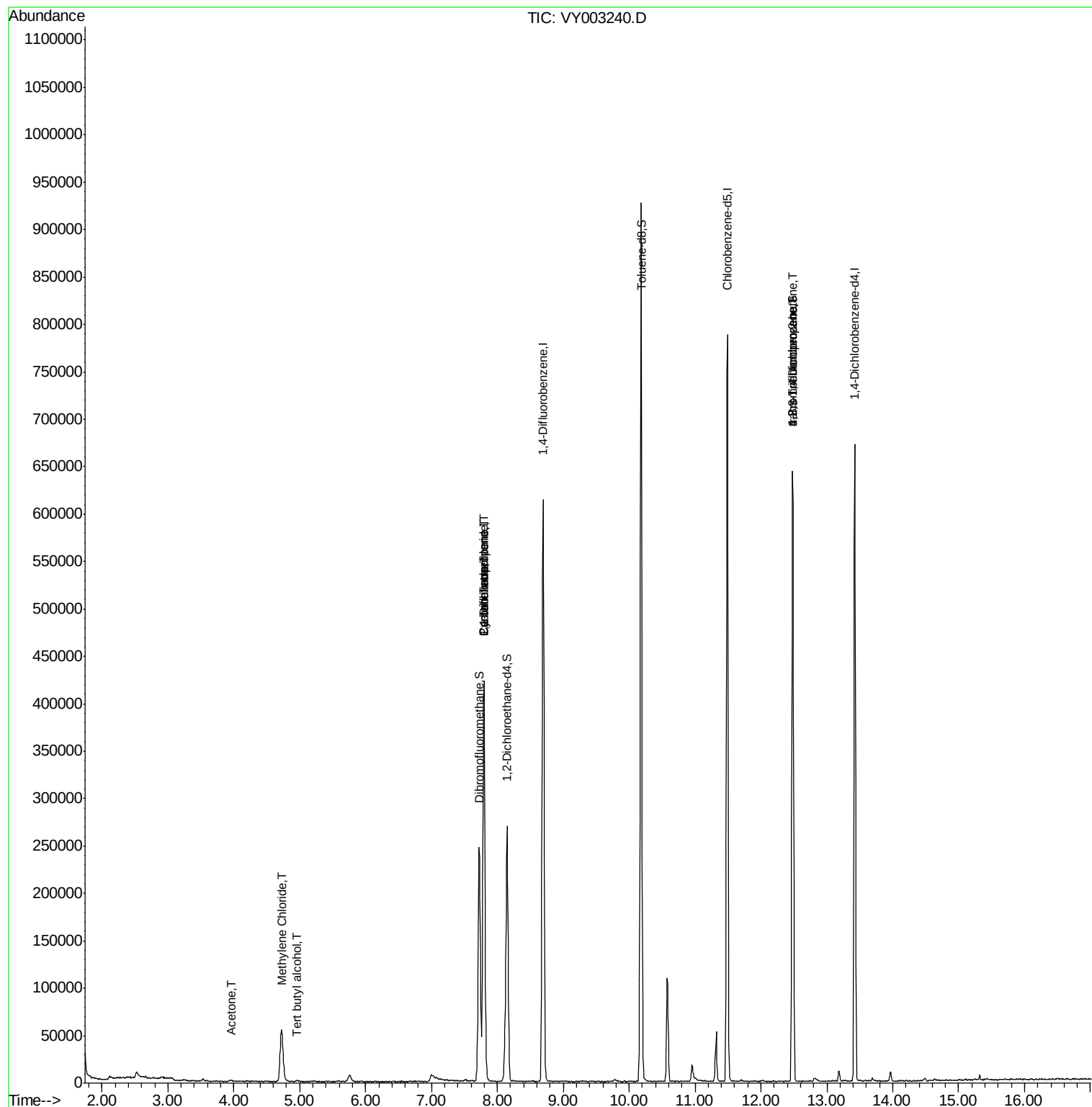
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	335921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	508382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	426842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168884	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	197987	69.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.66%	
35) Dibromofluoromethane	7.72	113	171414	58.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.18%	
50) Toluene-d8	10.18	98	599409	55.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.22%	
62) 4-Bromofluorobenzene	12.48	95	171884	43.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.48%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.94	59	718	2.342	ug/l #	79
16) Acetone	3.97	43	2169	3.425	ug/l	93
20) Methylene Chloride	4.72	84	41624	8.502	ug/l	94
31) Cyclohexane	7.79	56	6621	1.284	ug/l #	11
36) 1,1-Dichloropropene	7.80	75	25387	5.510	ug/l #	49
38) Carbon Tetrachloride	7.80	117	31392	6.600	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	88618	59.280	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88618	115.370	ug/l #	13

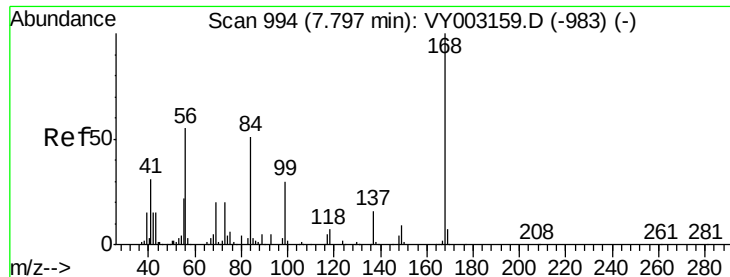
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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14

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003240.D

Acq: 20 Jul 2020 18:30

Instrument :

MSVOA_Y

ClientSampled :

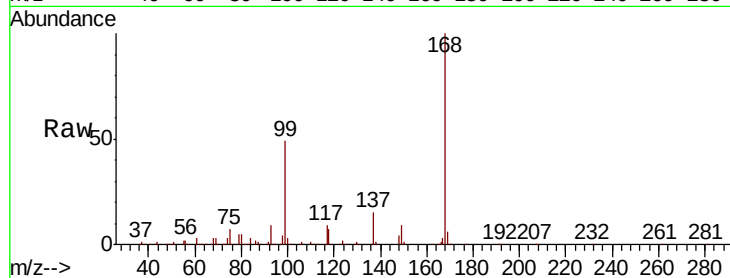
14

Tot Ion:168 Resp: 335921

Ion Ratio Lower Upper

168 100

99 49.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

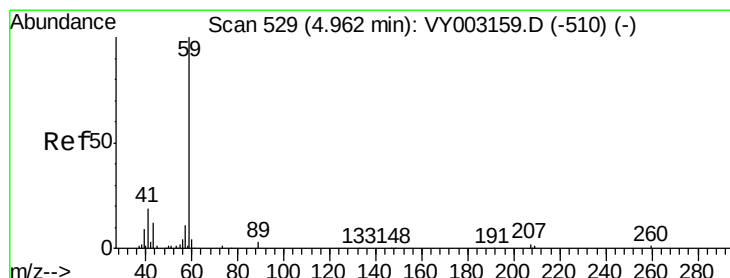
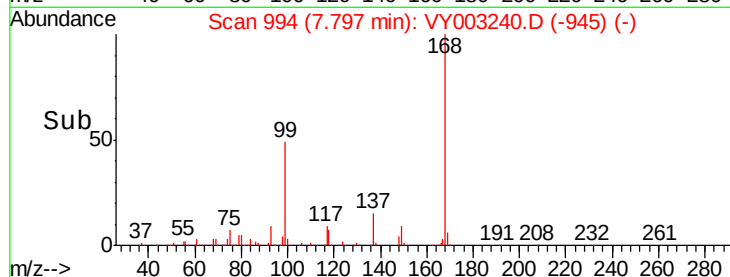
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.342 ug/l

RT: 4.94 min Scan# 526

Delta R.T. -0.02 min

Lab File: VY003240.D

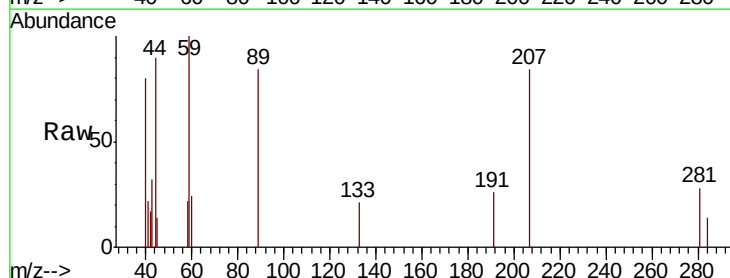
Acq: 20 Jul 2020 18:30

Tgt Ion: 59 Resp: 718

Ion Ratio Lower Upper

59 100

57 2.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003159.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003159.D (-510) (-)

4.94

500

400

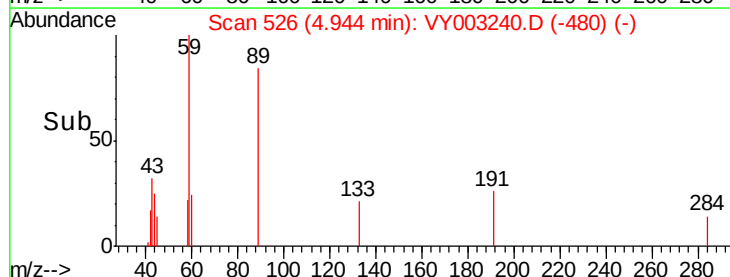
300

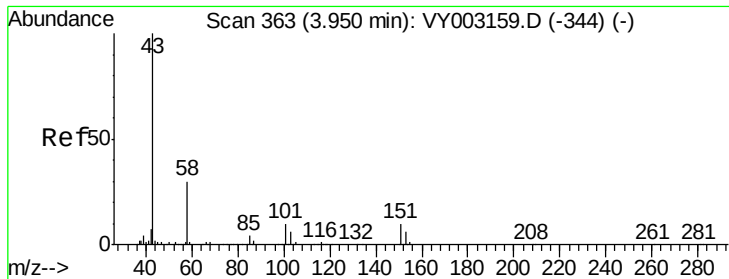
200

100

0

Time-->





#16

Acetone

Concen: 3.425 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY003240.D

Acq: 20 Jul 2020 18:30

Instrument :

MSVOA_Y

ClientSampleId :

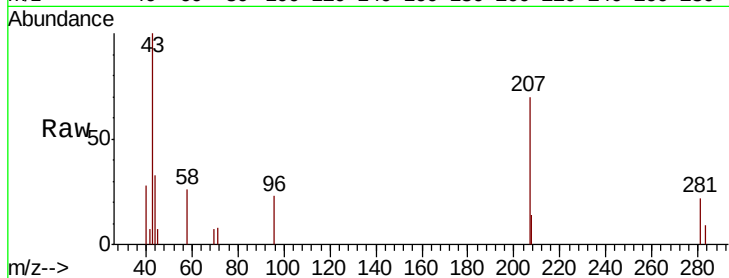
14

Tot Ion: 43 Resp: 2169

Ion Ratio Lower Upper

43 100

58 26.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

800

600

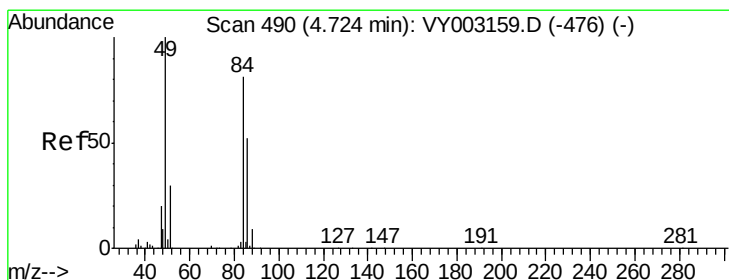
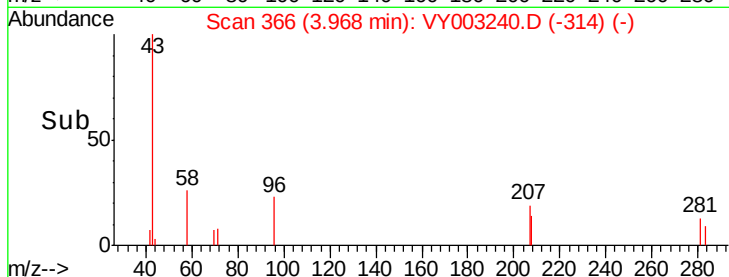
400

200

0

3.85 3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 8.502 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY003240.D

Acq: 20 Jul 2020 18:30

Tgt Ion: 84 Resp: 41624

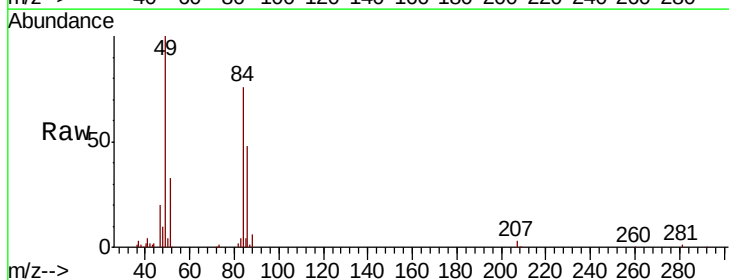
Ion Ratio Lower Upper

84 100

49 130.9 98.2 147.4

51 43.0 29.8 44.6

86 63.3 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

25000

20000

15000

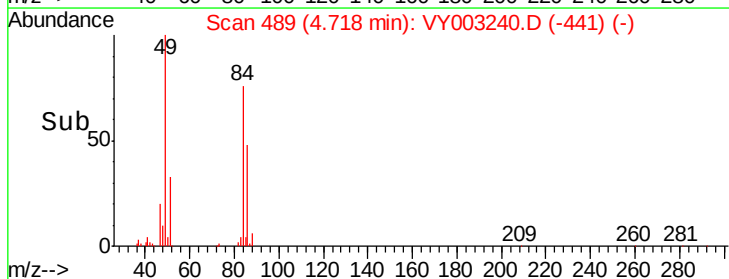
10000

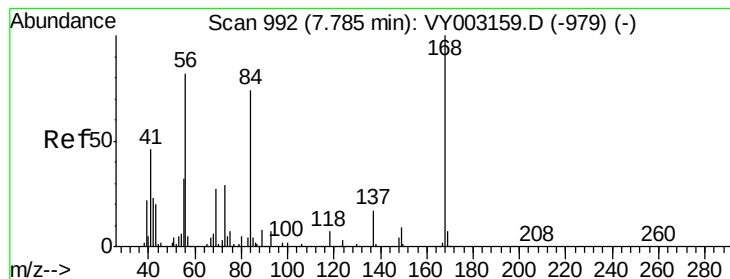
5000

0

4.60 4.70 4.80

Time-->





#31

Cyclohexane

Concen: 1.284 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003240.D

Acq: 20 Jul 2020 18:30

Instrument :
MSVOA_Y
ClientSampleId :
14

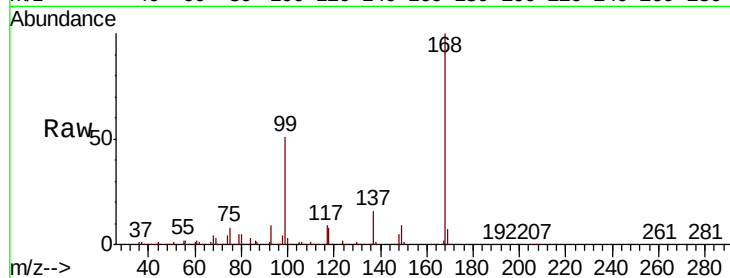
Tot Ion: 56 Resp: 6621

Ion Ratio Lower Upper

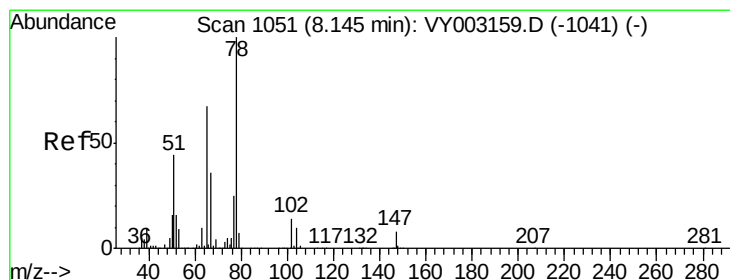
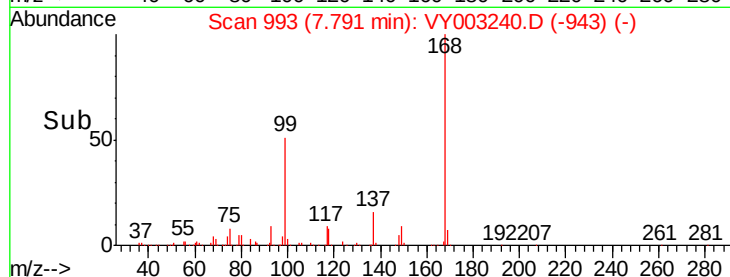
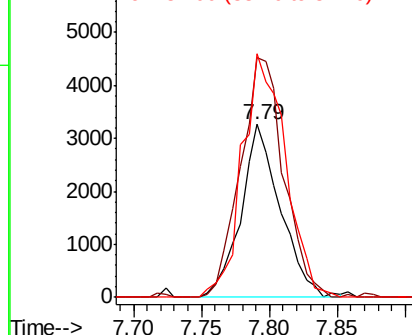
56 100

69 138.6 26.7 40.1#

84 140.6 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: 69.830 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003240.D

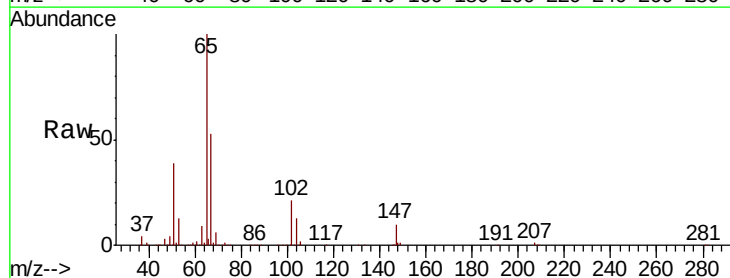
Acq: 20 Jul 2020 18:30

Tgt Ion: 65 Resp: 197987

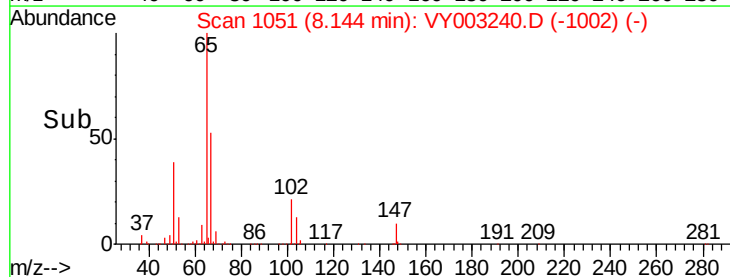
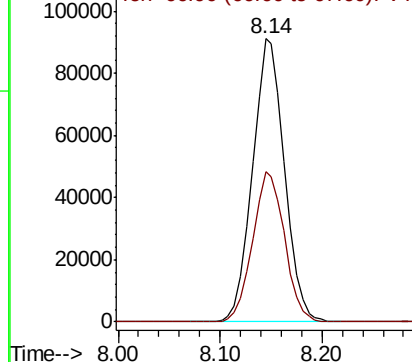
Ion Ratio Lower Upper

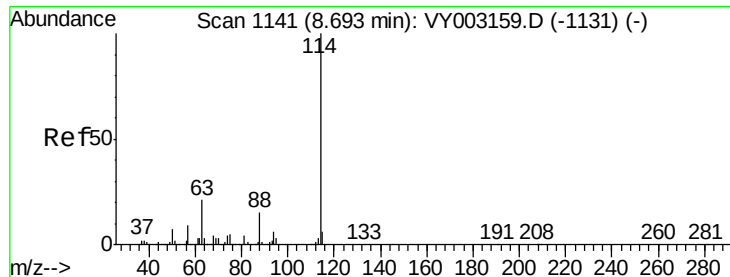
65 100

67 53.4 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: VY003240.D

Acq: 20 Jul 2020 18:30

Instrument :

MSVOA_Y

ClientSampleId :

14

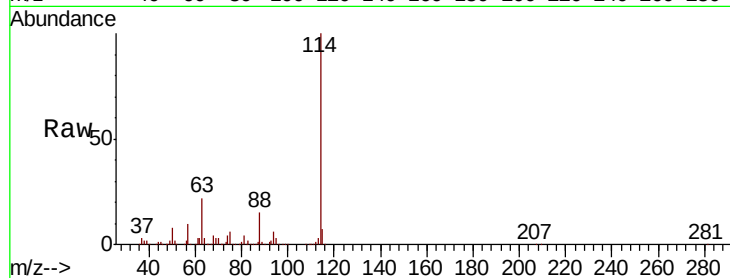
Tot Ion:114 Resp: 508382

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.2

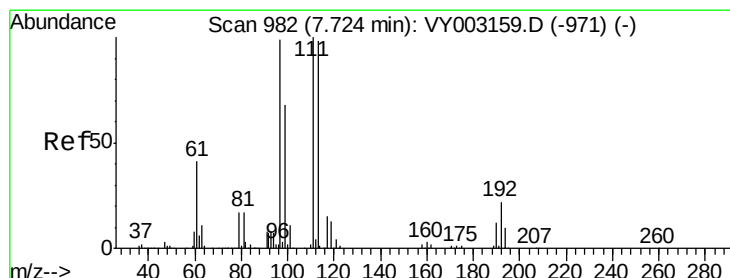
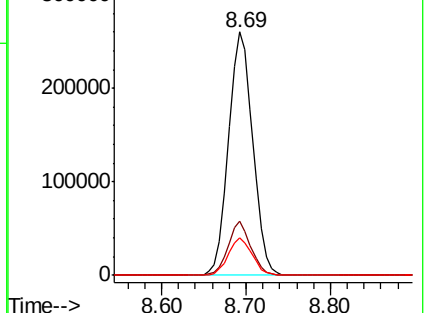
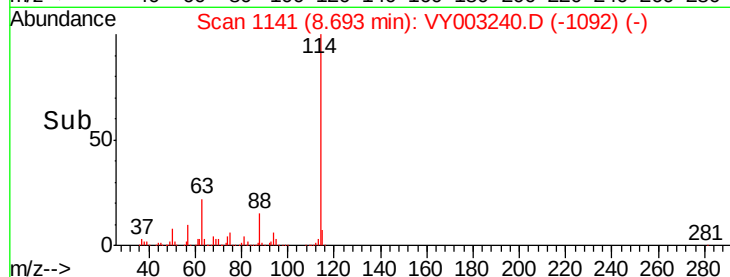
88 15.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 58.591 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003240.D

Acq: 20 Jul 2020 18:30

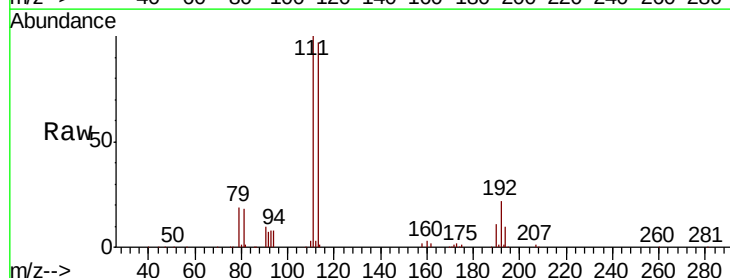
Tgt Ion:113 Resp: 171414

Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

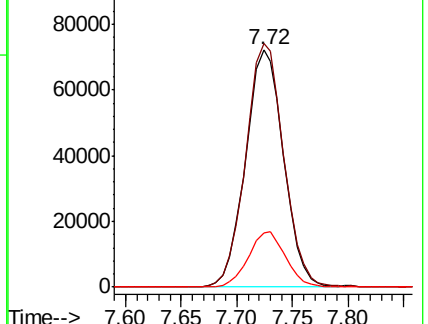
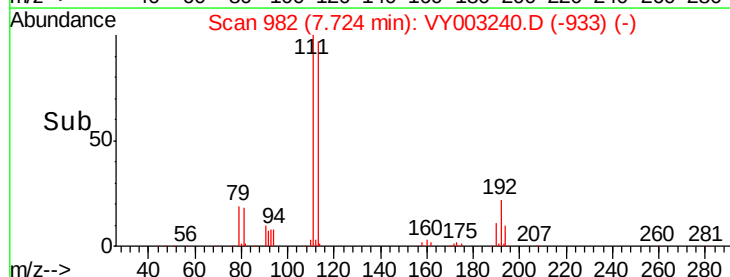
192 22.8 18.8 28.2

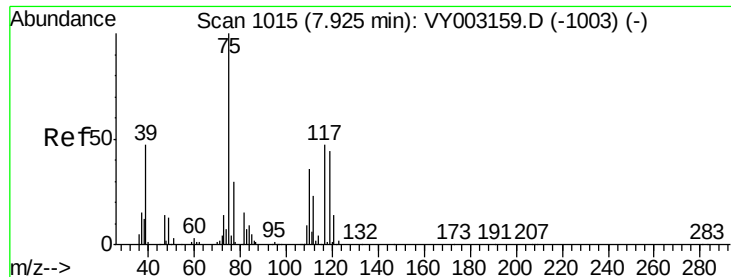


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

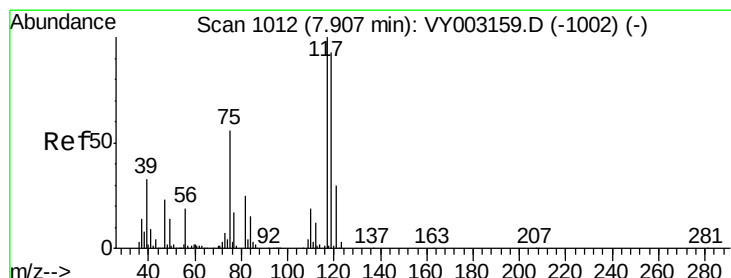
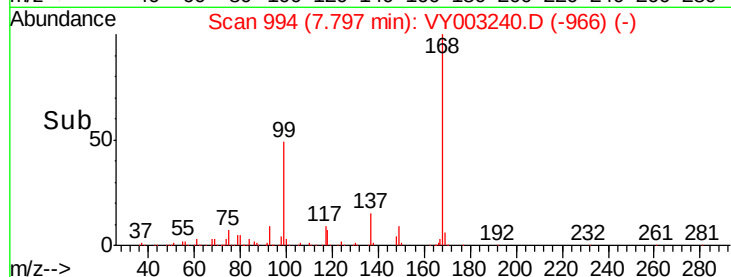
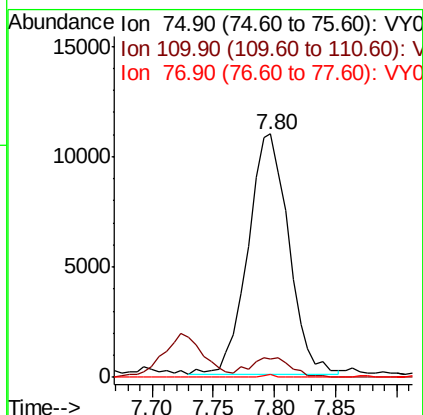
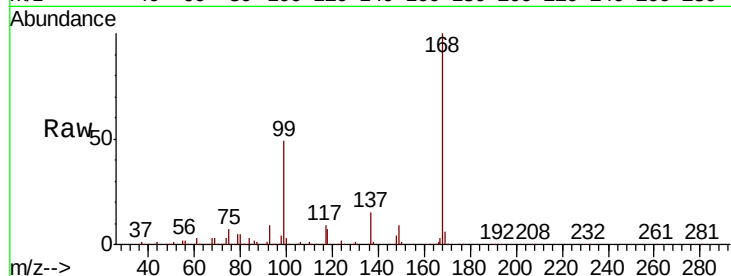




#36
 1,1-Dichloropropene
 Concen: 5.510 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003240.D
 Acq: 20 Jul 2020 18:30

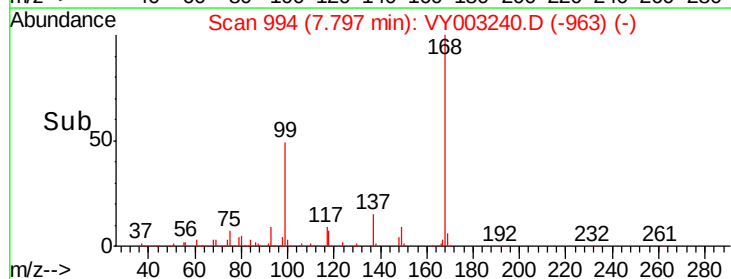
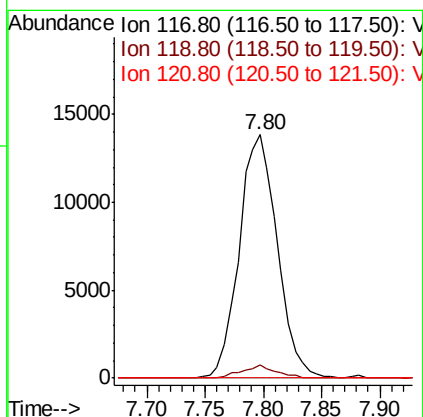
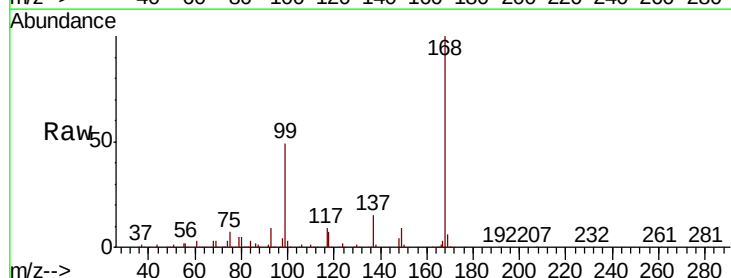
Instrument :
 MSVOA_Y
 ClientSampled :
 14

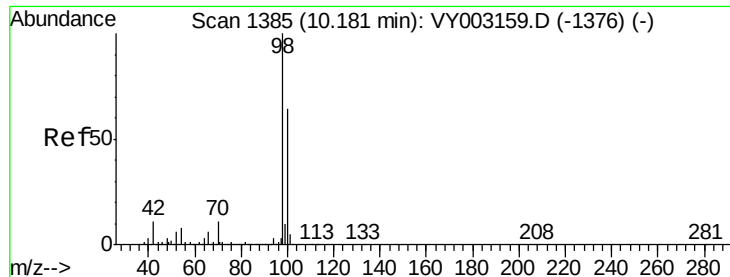
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.1#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.600 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003240.D
 Acq: 20 Jul 2020 18:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.5	111.7#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 55.108 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003240.D

Acq: 20 Jul 2020 18:30

Instrument :

MSVOA_Y

ClientSampleId :

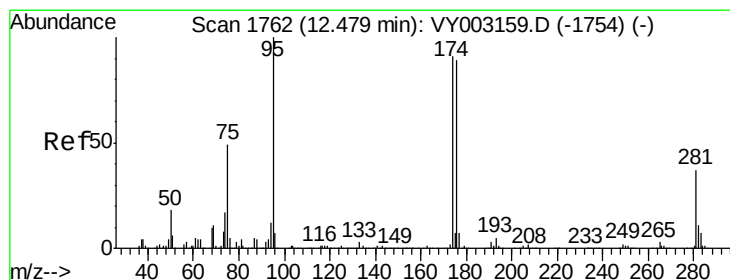
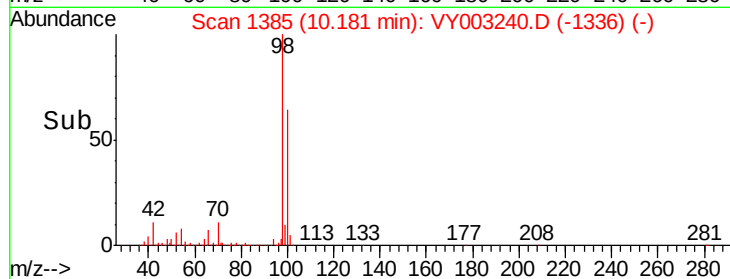
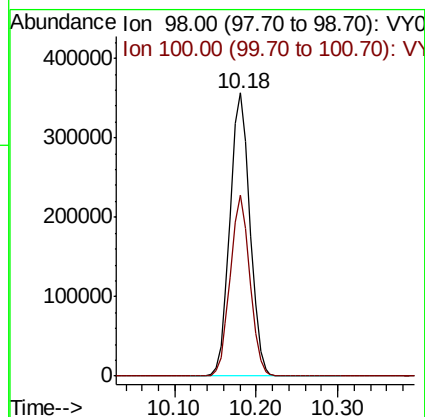
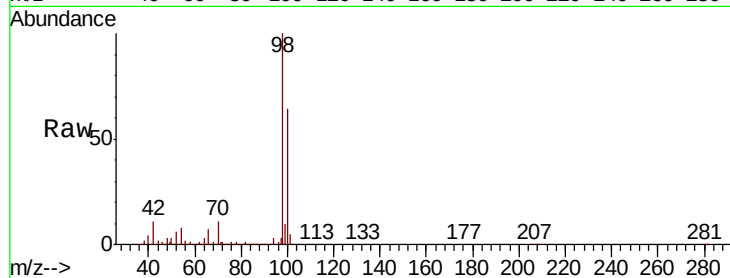
14

Tot Ion: 98 Resp: 599409

Ion Ratio Lower Upper

98 100

100 62.7 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 43.743 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003240.D

Acq: 20 Jul 2020 18:30

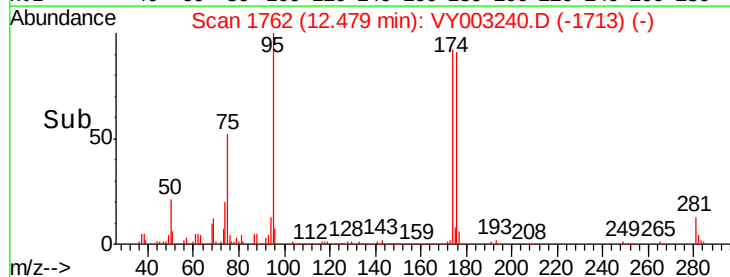
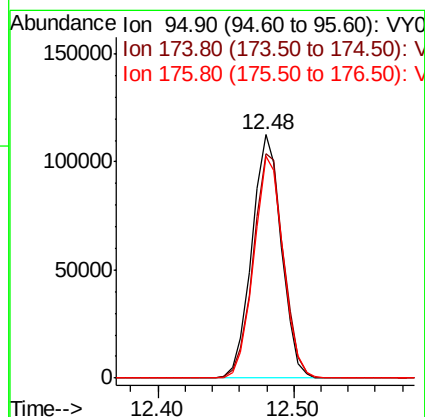
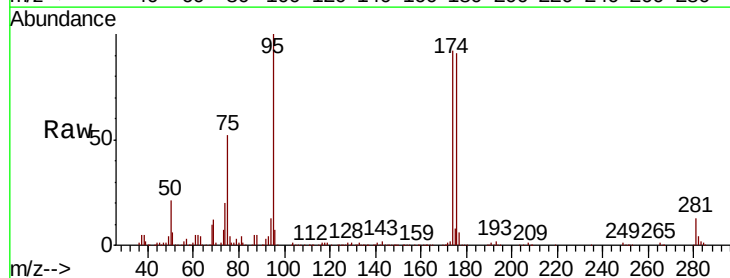
Tgt Ion: 95 Resp: 171884

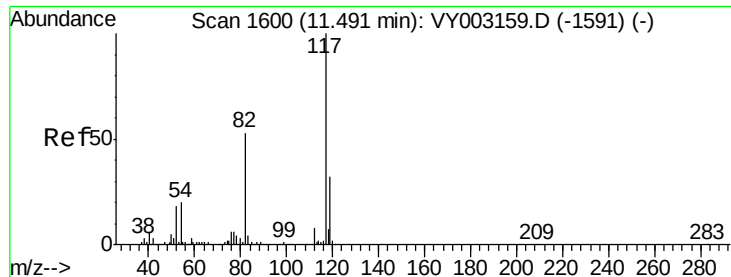
Ion Ratio Lower Upper

95 100

174 94.5 0.0 190.6

176 91.0 0.0 186.4

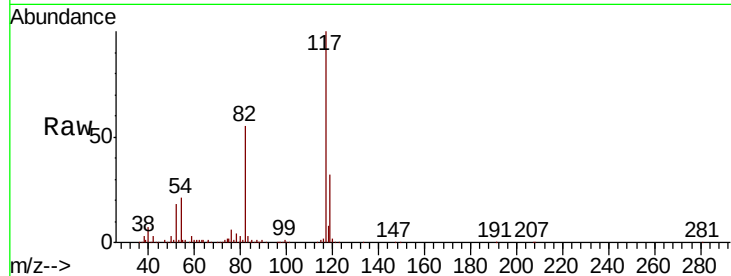




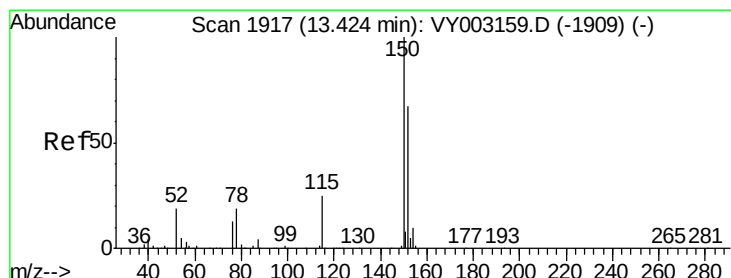
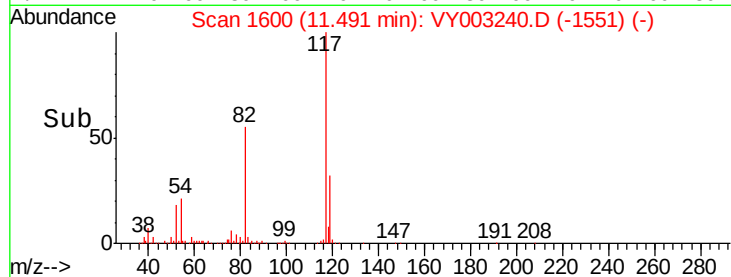
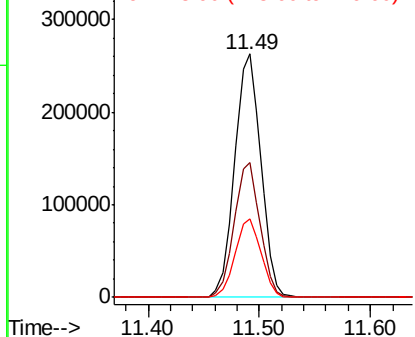
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003240.D
Acq: 20 Jul 2020 18:30

Instrument :
MSVOA_Y
ClientSampleId :
14

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.0	63.0
119	32.1	25.5	38.3

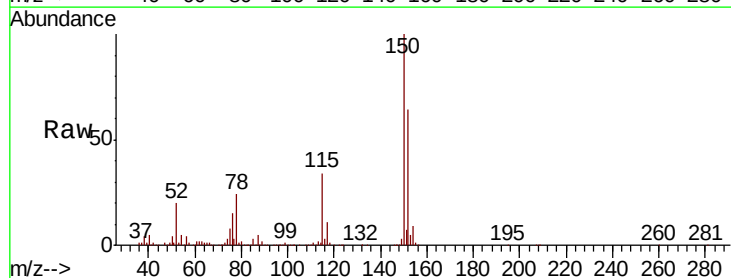


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

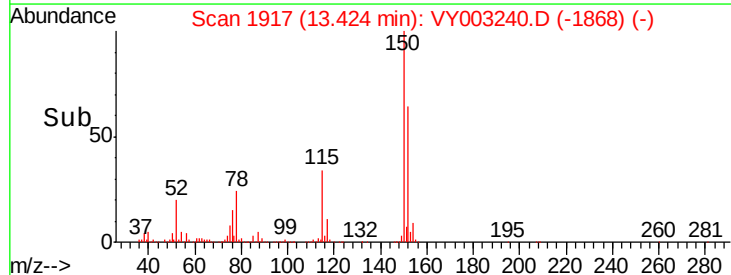
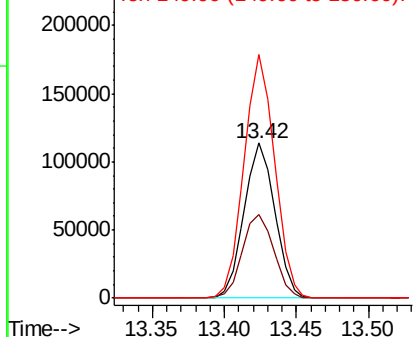


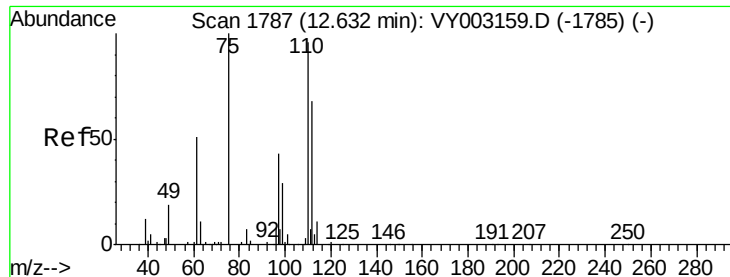
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003240.D
Acq: 20 Jul 2020 18:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	26.9	80.7
150	156.1	0.0	338.0



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: 59.280 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003240.D

Acq: 20 Jul 2020 18:30

Instrument :

MSVOA_Y

ClientSampleId :

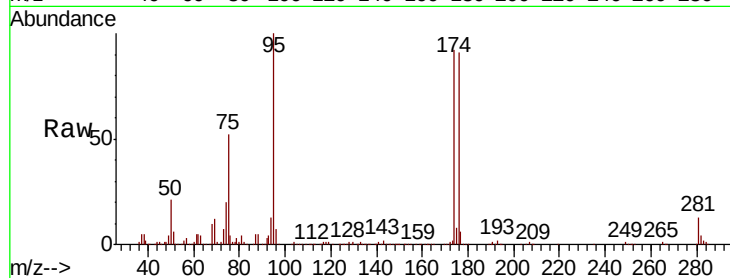
14

Tot Ion: 75 Resp: 88618

Ion Ratio Lower Upper

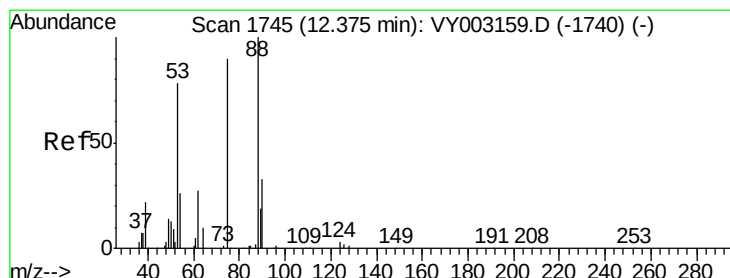
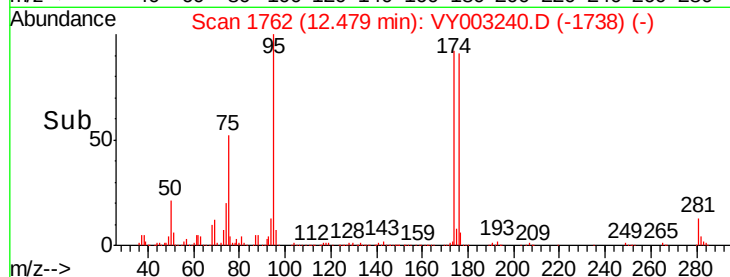
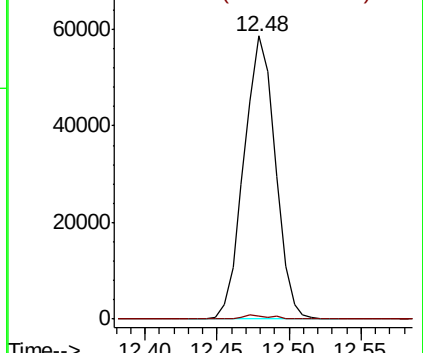
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 115.370 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003240.D

Acq: 20 Jul 2020 18:30

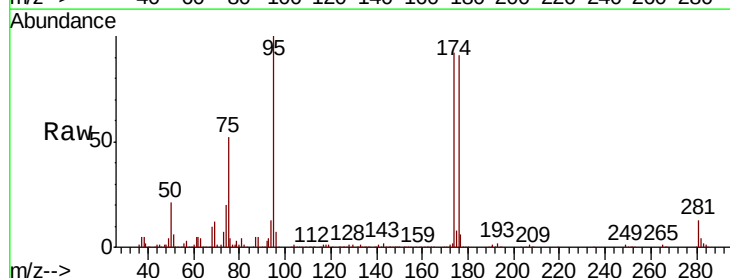
Tgt Ion: 75 Resp: 88618

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.2 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

