

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY061920\
 Data File : VY002956.D
 Acq On : 19 Jun 2020 22:34
 Operator : SY/MD
 Sample : L3052-03
 Misc : 1.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 177

Quant Time: Jun 20 03:59:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 15:04:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	261682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	418743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	363359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	162445	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	115427	53.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.80%	
35) Dibromofluoromethane	7.73	113	125867	53.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.24%	
50) Toluene-d8	10.18	98	484543	51.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.48	95	145896	45.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.04%	

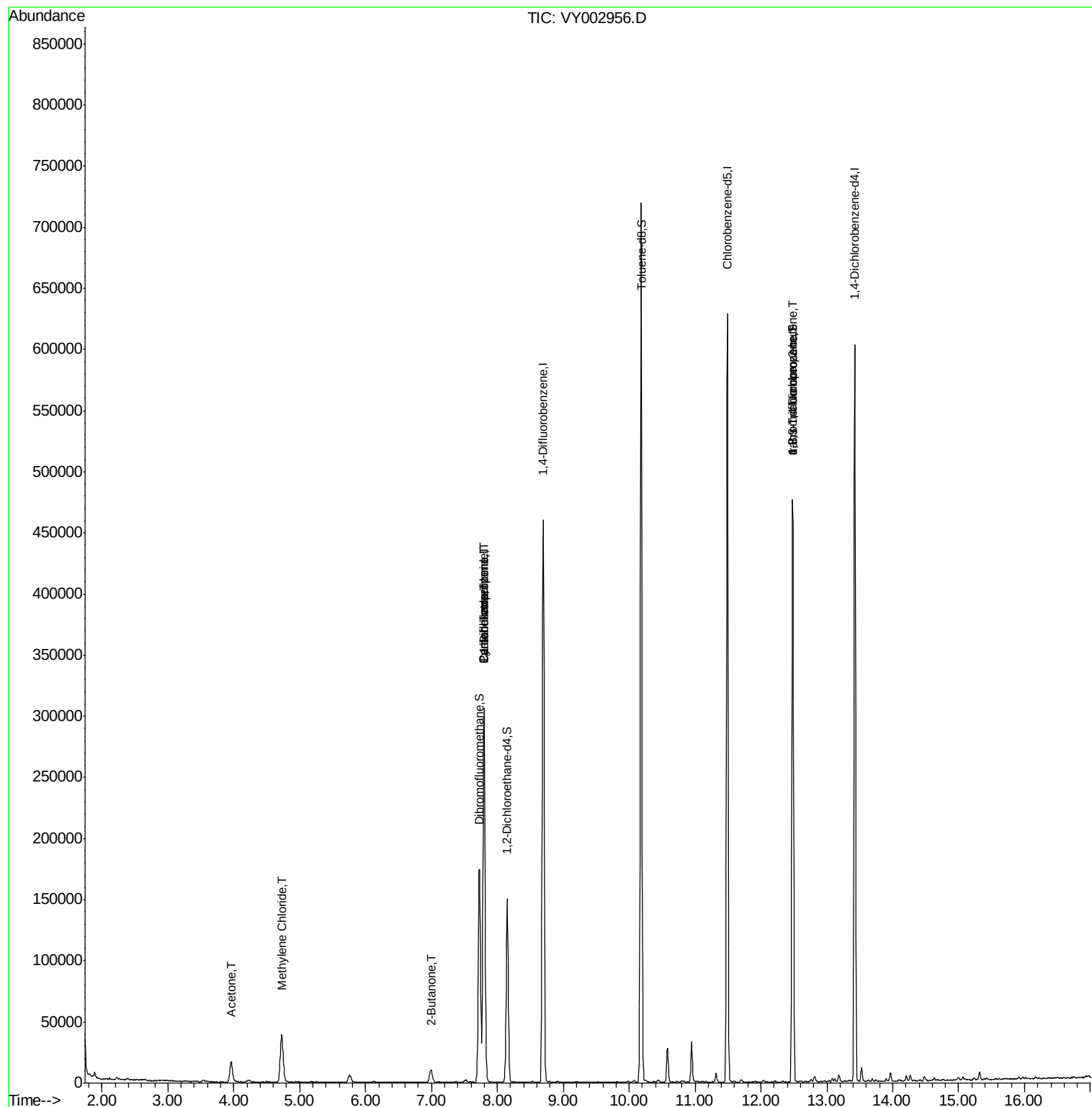
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	287	Below Cal	#	74
16) Acetone	3.96	43	29193	54.531	ug/l	94
18) Methyl Acetate	4.49	43	765	Below Cal	#	80
20) Methylene Chloride	4.72	84	31884	6.524	ug/l	99
25) 2-Butanone	7.00	43	1606	2.002	ug/l	95
31) Cyclohexane	7.79	56	4032	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16354	4.809	ug/l #	48
38) Carbon Tetrachloride	7.80	117	23006	6.138	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	68755	48.599	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	68755	92.786	ug/l #	16

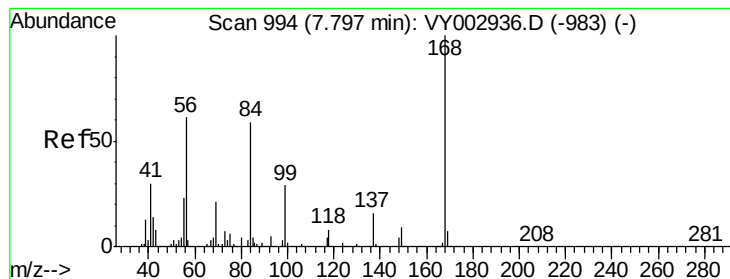
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002956.D

Acq: 19 Jun 2020 22:34

Instrument :

MSVOA_Y

ClientSampleId :

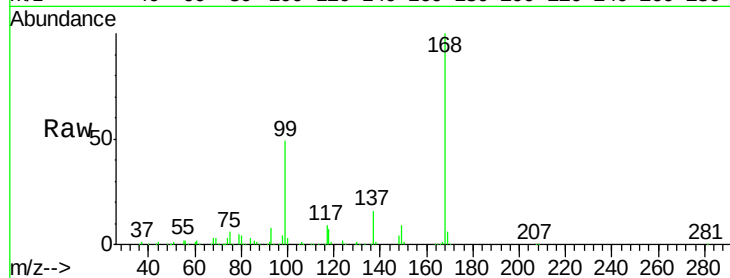
177

Tgt Ion:168 Resp: 261682

Ion Ratio Lower Upper

168 100

99 48.9 39.5 59.3



Abundance Ion 167.90 (167.60 to 168.60): VY002936.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002936.D (-983) (-)

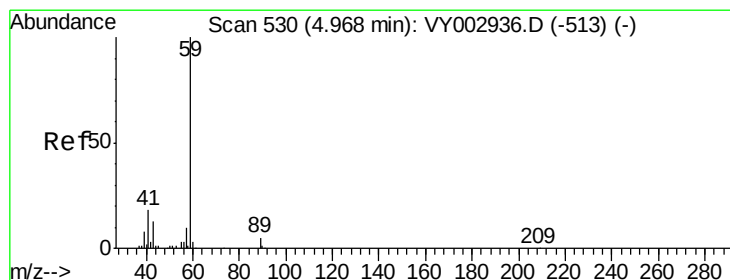
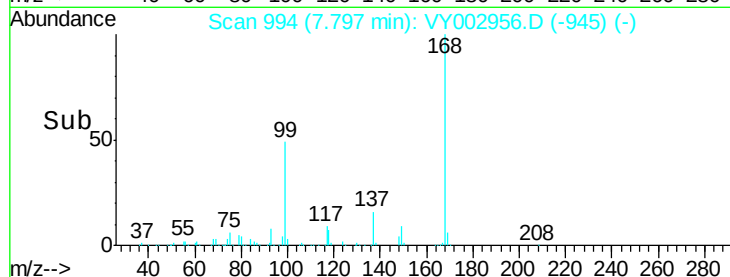
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY002956.D

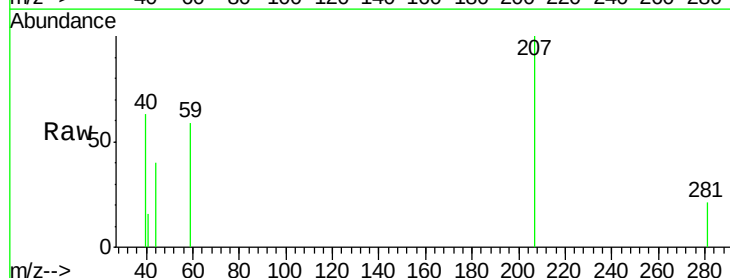
Acq: 19 Jun 2020 22:34

Tgt Ion: 59 Resp: 287

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY002936.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002936.D (-513) (-)

4.97

200

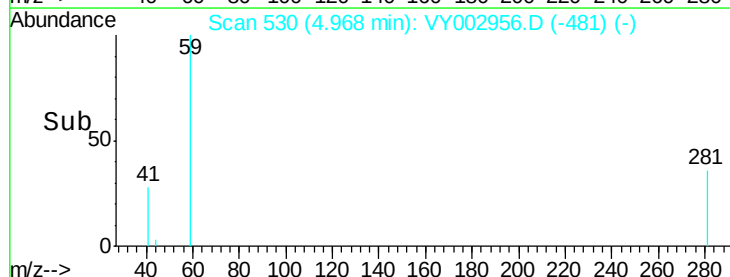
150

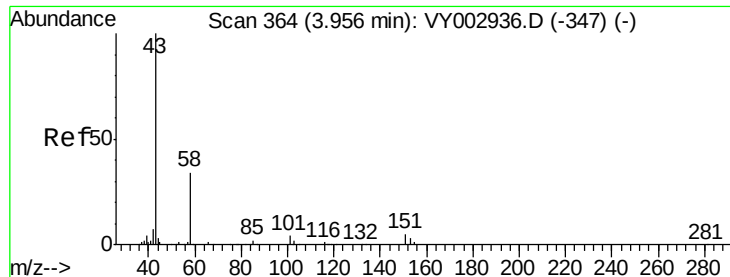
100

50

0

Time-->





#16

Acetone

Concen: 54.531 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002956.D

Acq: 19 Jun 2020 22:34

Instrument :

MSVOA_Y

ClientSampleId :

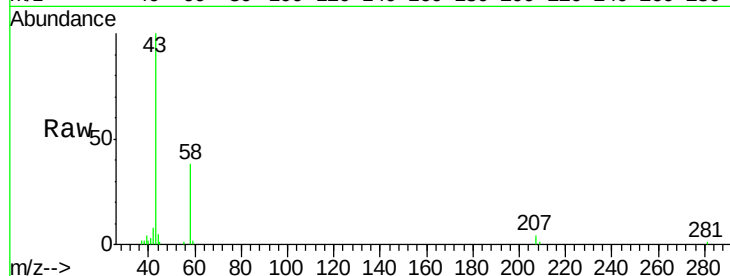
177

Tgt Ion: 43 Resp: 29193

Ion Ratio Lower Upper

43 100

58 37.5 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

12000

10000

8000

6000

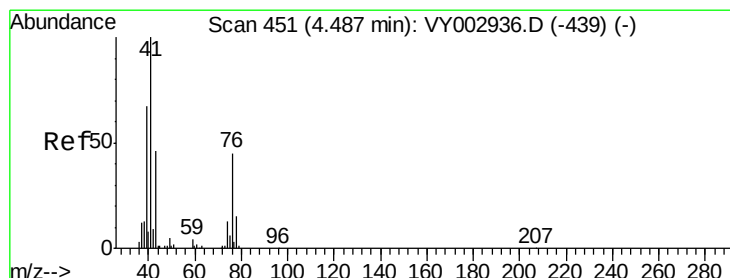
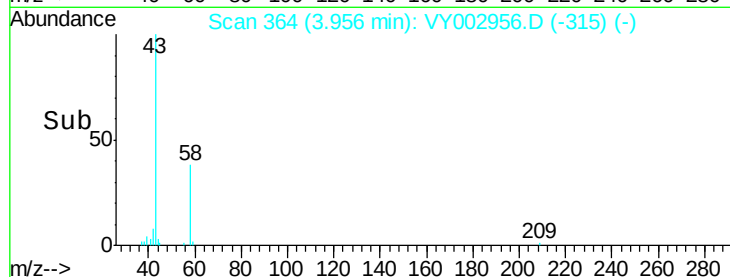
4000

2000

0

3.96

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002956.D

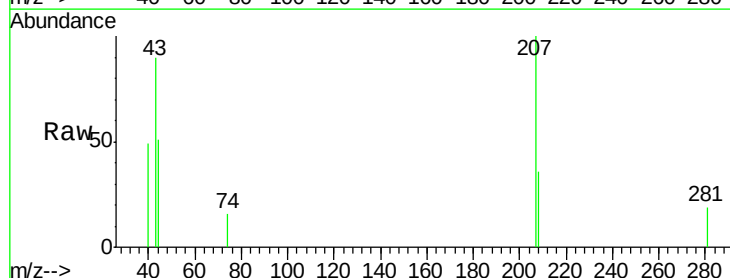
Acq: 19 Jun 2020 22:34

Tgt Ion: 43 Resp: 765

Ion Ratio Lower Upper

43 100

74 16.1 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

300

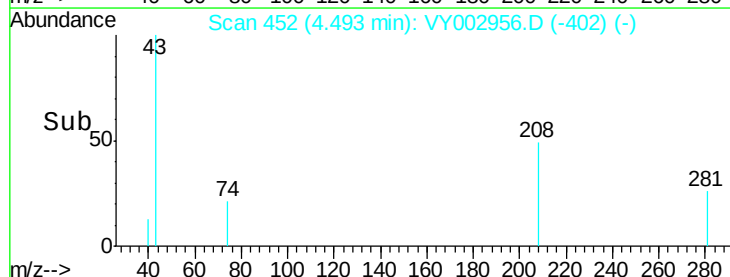
200

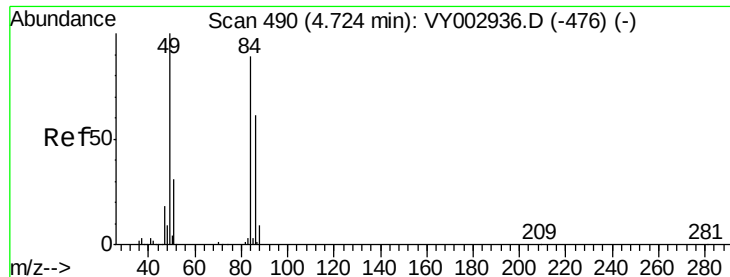
100

0

4.49

Time-->

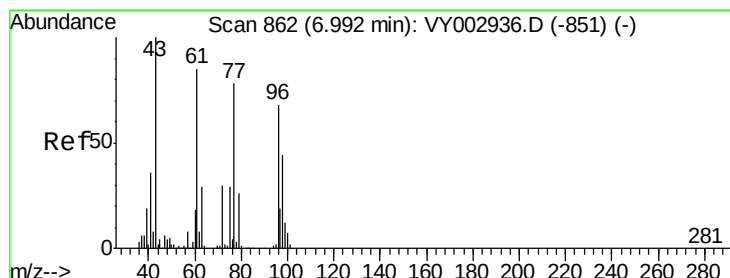
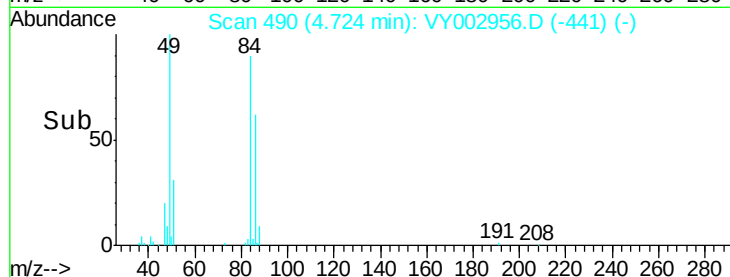
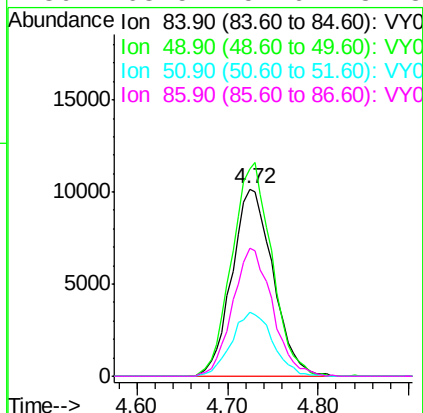
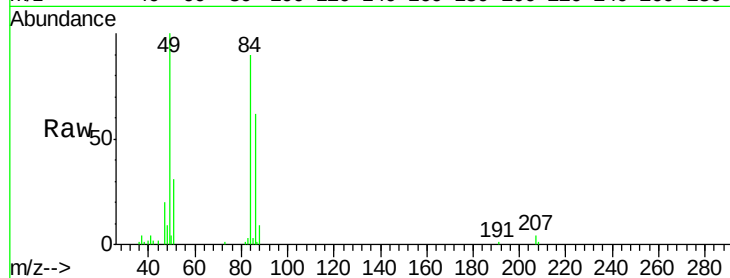




#20
Methylene Chloride
Concen: 6.524 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002956.D
Acq: 19 Jun 2020 22:34

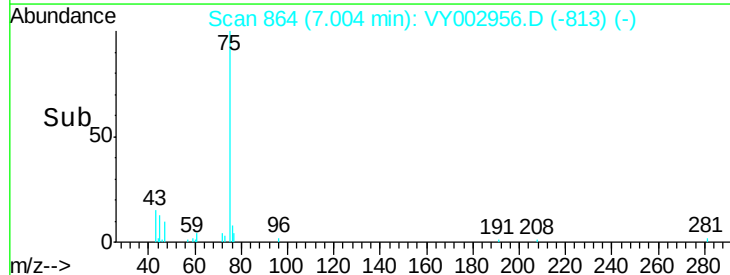
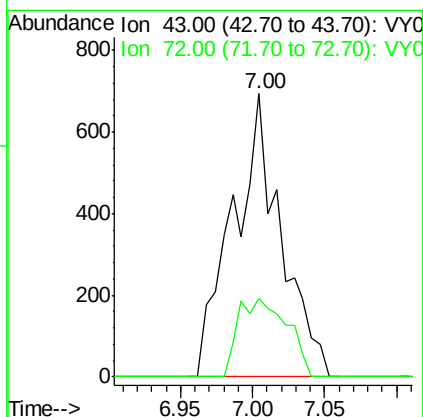
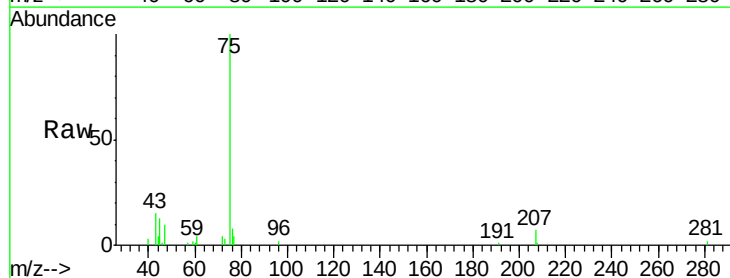
Instrument :
MSVOA_Y
ClientSampleId :
177

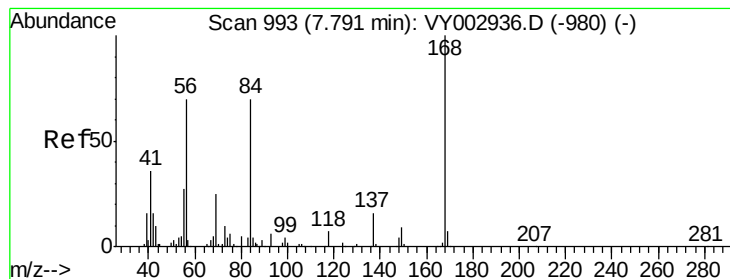
Tgt Ion:	84	Resp:	31884
Ion	Ratio	Lower	Upper
84	100		
49	110.9	90.0	135.0
51	34.1	27.9	41.9
86	68.5	54.6	81.8



#25
2-Butanone
Concen: 2.002 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY002956.D
Acq: 19 Jun 2020 22:34

Tgt Ion:	43	Resp:	1606
Ion	Ratio	Lower	Upper
43	100		
72	27.6	24.2	36.4





#31

Cyclohexane

Concen: 1.086 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002956.D

Acq: 19 Jun 2020 22:34

Instrument :
MSVOA_Y
ClientSampled :
177

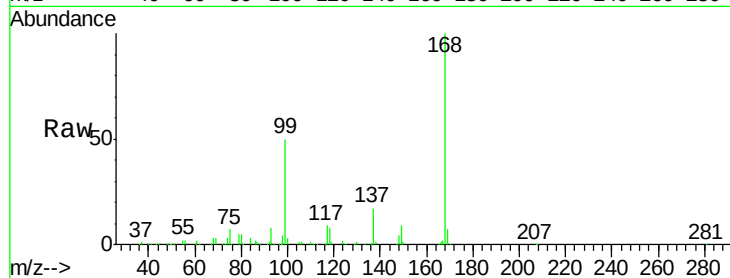
Tgt Ion: 56 Resp: 4032

Ion Ratio Lower Upper

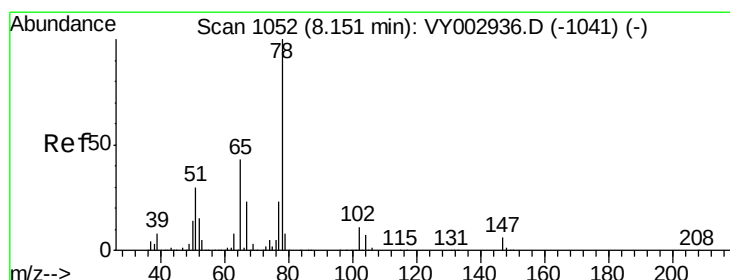
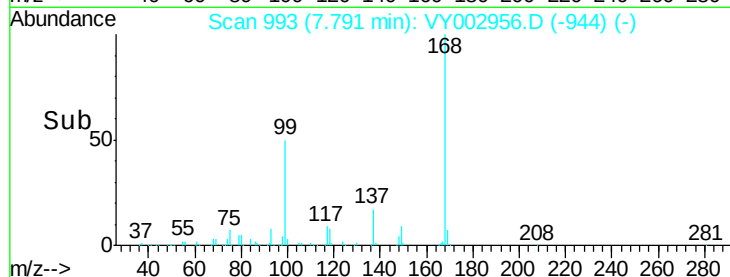
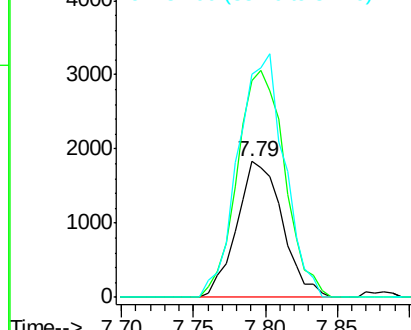
56 100

69 159.3 28.9 43.3#

84 164.1 80.1 120.1#



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: 53.403 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002956.D

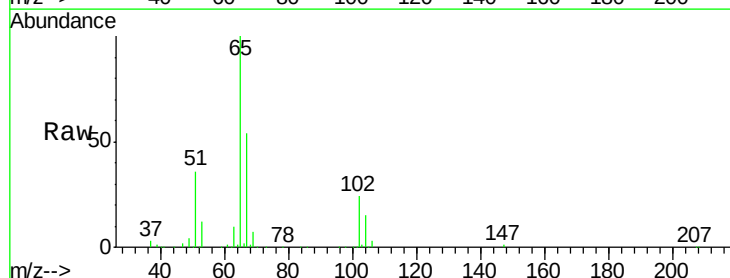
Acq: 19 Jun 2020 22:34

Tgt Ion: 65 Resp: 115427

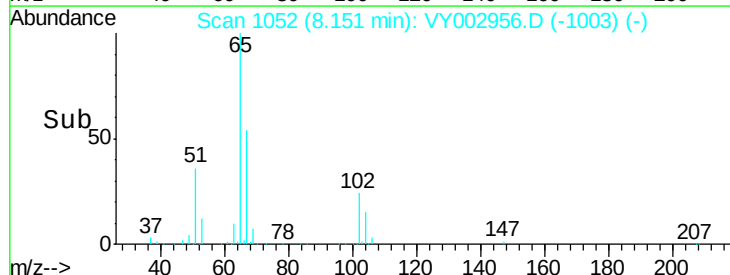
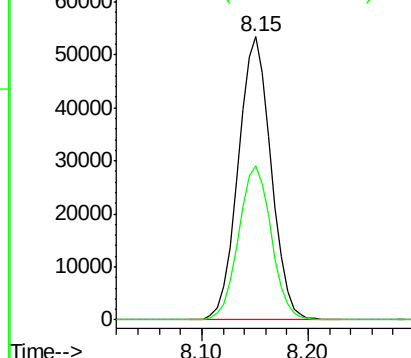
Ion Ratio Lower Upper

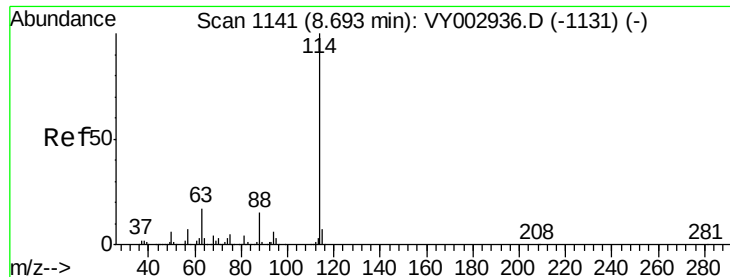
65 100

67 54.3 0.0 109.4



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: VY002956.D

Acq: 19 Jun 2020 22:34

Instrument :

MSVOA_Y

ClientSampled :

177

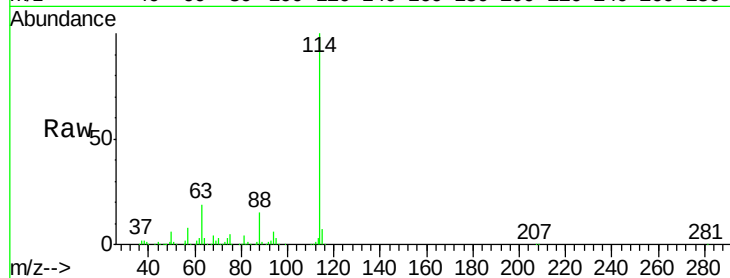
Tgt Ion:114 Resp: 418743

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.6

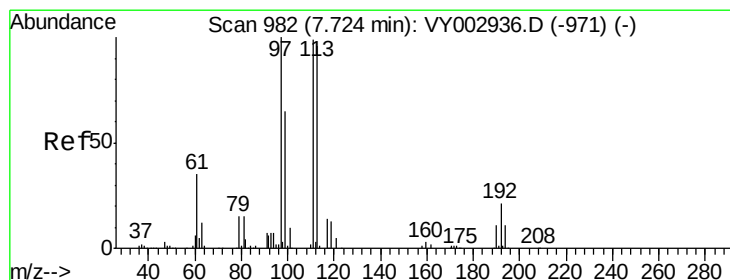
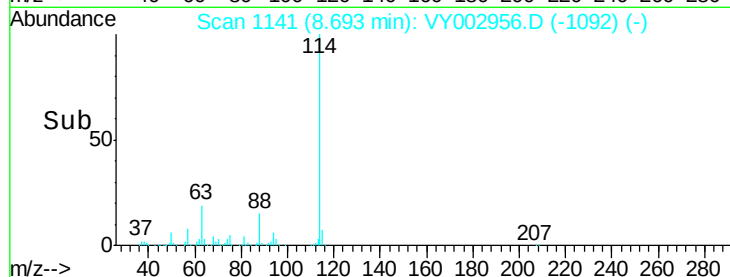
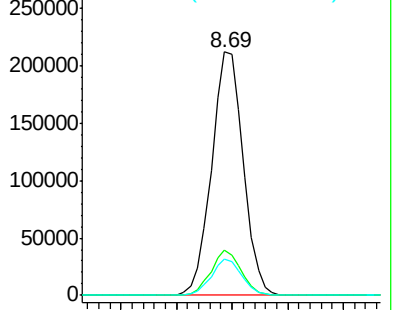
88 15.1 0.0 29.2



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: 53.123 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002956.D

Acq: 19 Jun 2020 22:34

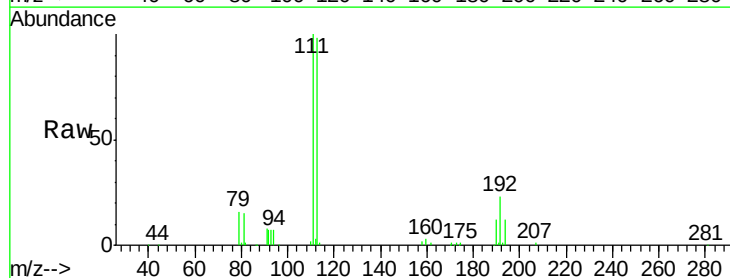
Tgt Ion:113 Resp: 125867

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

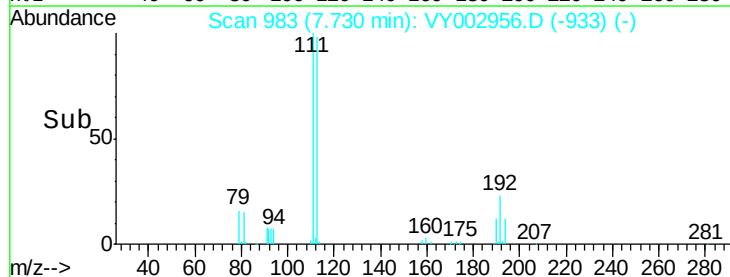
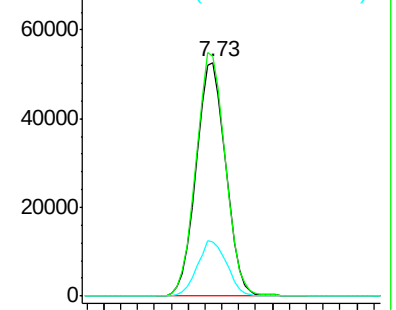
192 23.4 19.2 28.8

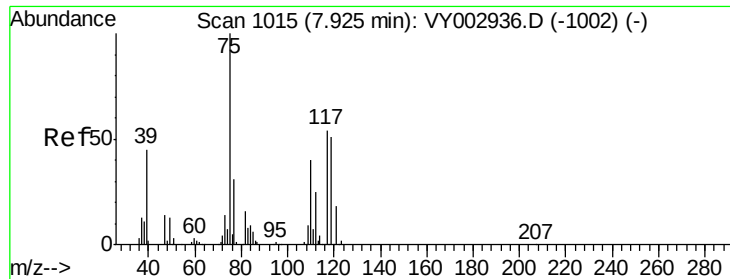


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

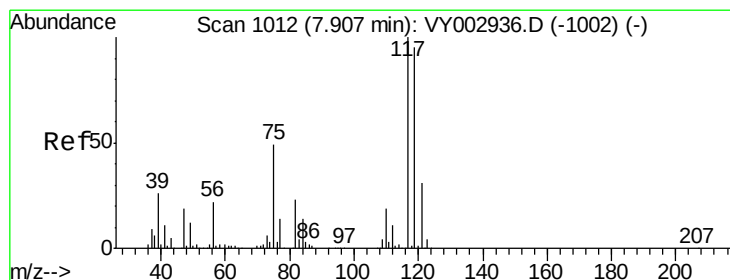
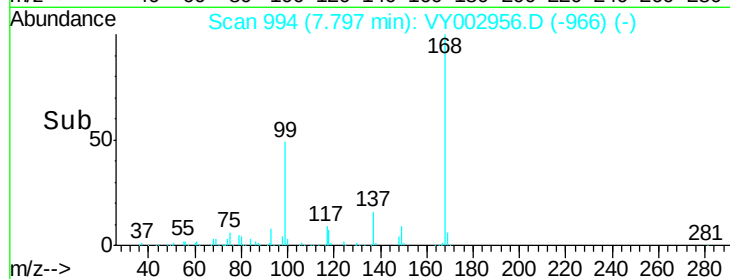
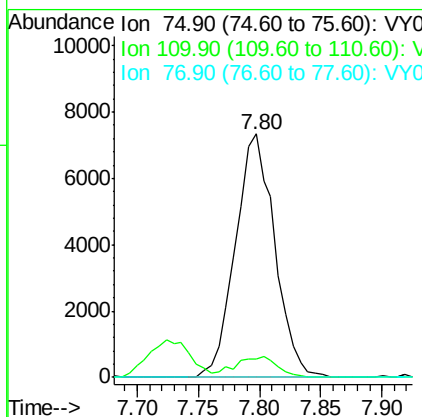
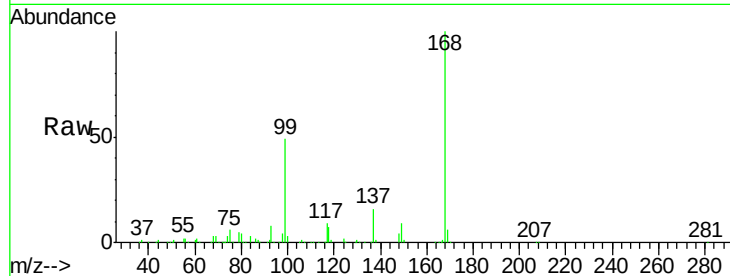




#36
 1,1-Dichloropropene
 Concen: 4.809 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002956.D
 Acq: 19 Jun 2020 22:34

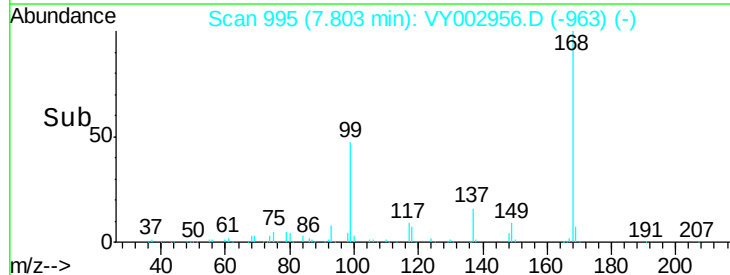
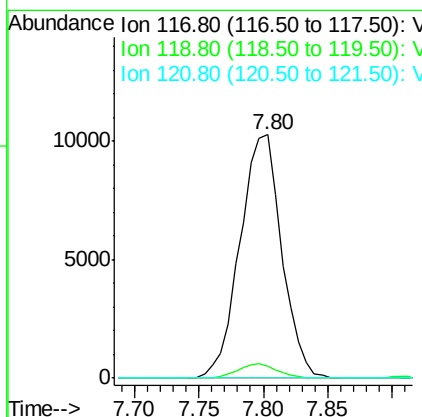
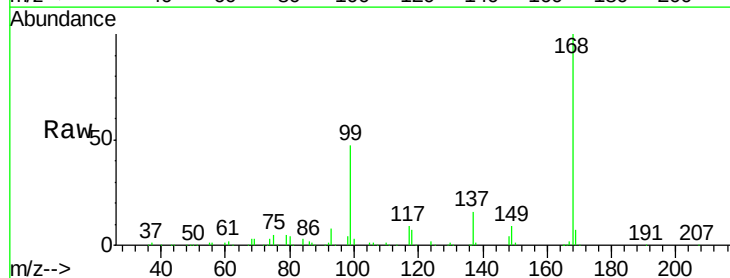
Instrument :
 MSVOA_Y
 ClientSampleId :
 177

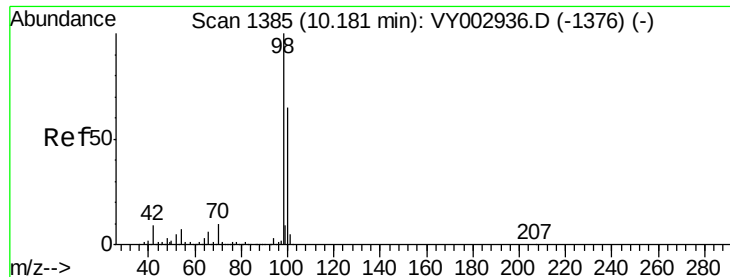
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.7	59.0#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.138 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY002956.D
 Acq: 19 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.1	114.1#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 51.866 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002956.D

Acq: 19 Jun 2020 22:34

Instrument :

MSVOA_Y

ClientSampleId :

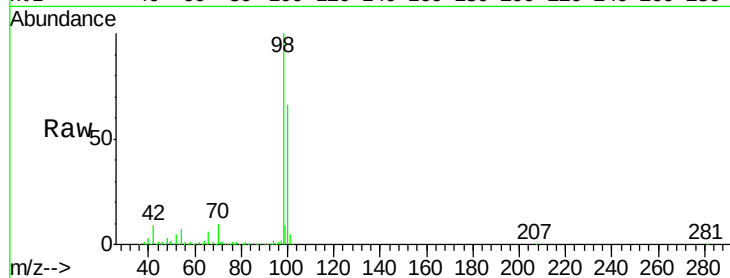
177

Tgt Ion: 98 Resp: 484543

Ion Ratio Lower Upper

98 100

100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

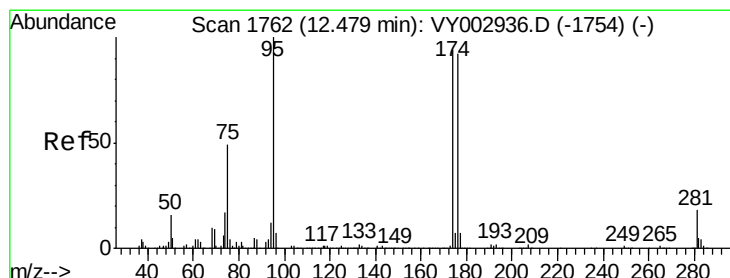
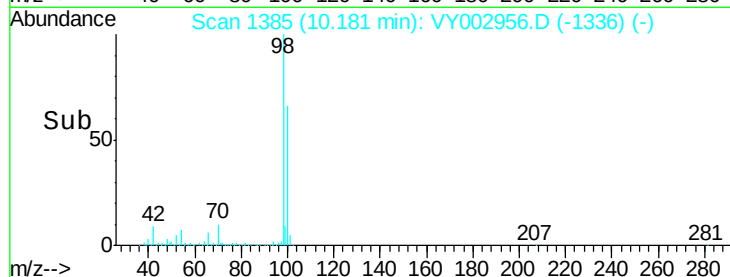
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.021 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002956.D

Acq: 19 Jun 2020 22:34

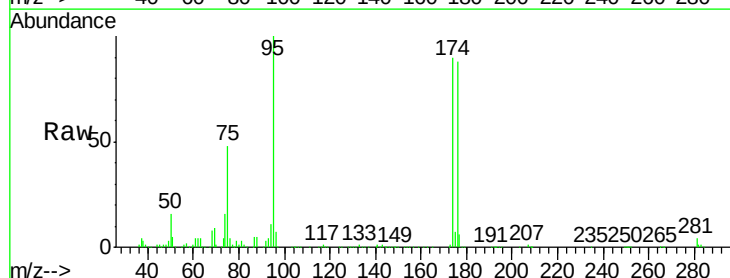
Tgt Ion: 95 Resp: 145896

Ion Ratio Lower Upper

95 100

174 93.4 0.0 191.2

176 91.2 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

120000

100000

80000

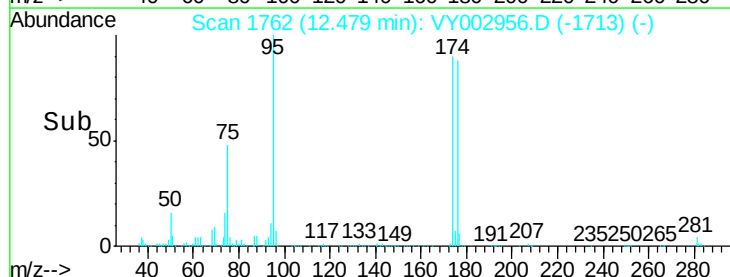
60000

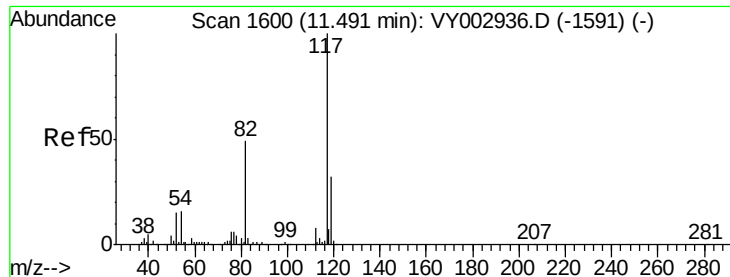
40000

20000

0

Time-->

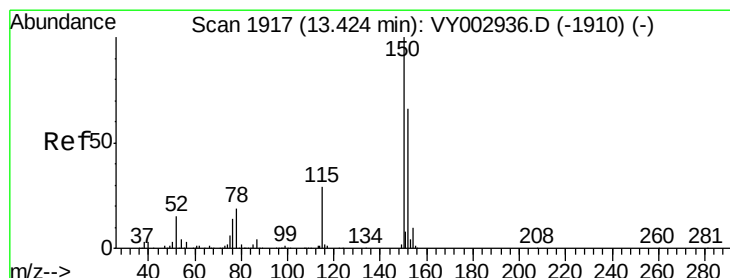
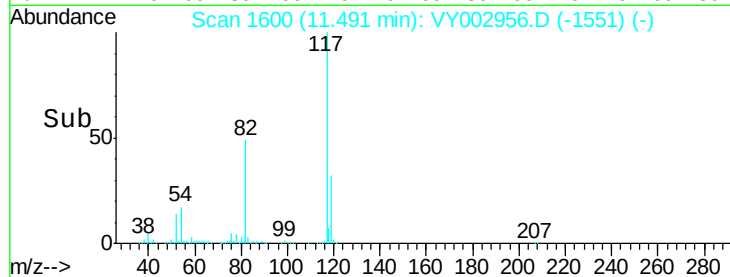
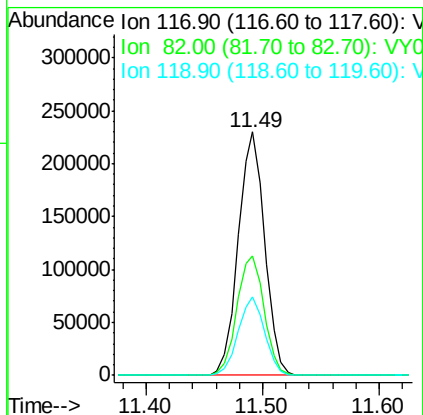
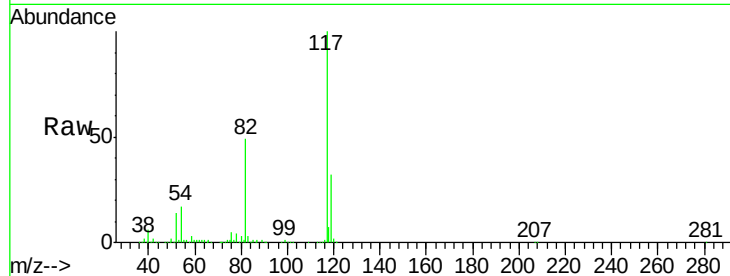




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002956.D
Acq: 19 Jun 2020 22:34

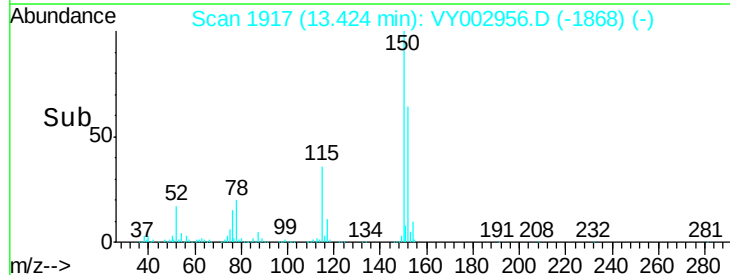
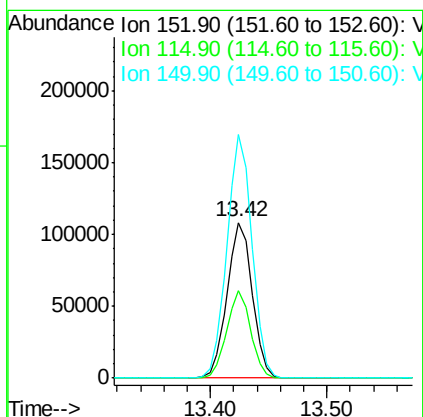
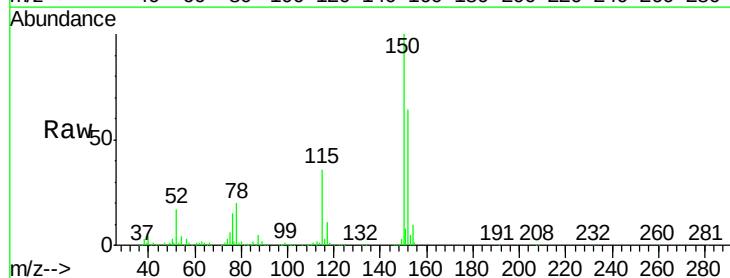
Instrument :
MSVOA_Y
ClientSampled :
177

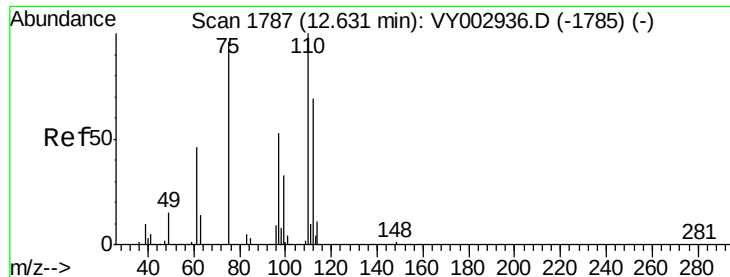
Tgt Ion:117 Resp: 363359
Ion Ratio Lower Upper
117 100
82 49.3 39.4 59.0
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002956.D
Acq: 19 Jun 2020 22:34

Tgt Ion:152 Resp: 162445
Ion Ratio Lower Upper
152 100
115 53.4 26.9 80.6
150 155.7 0.0 341.8





#76

1,2,3-Trichloropropane

Concen: 48.599 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002956.D

Acq: 19 Jun 2020 22:34

Instrument :

MSVOA_Y

ClientSampled :

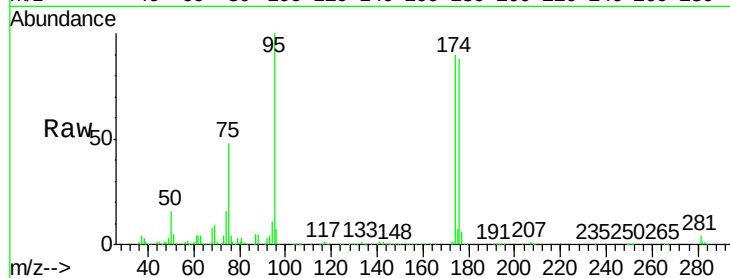
177

Tgt Ion: 75 Resp: 68755

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.48

50000

40000

30000

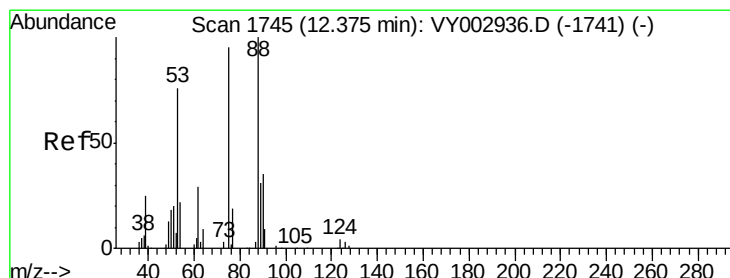
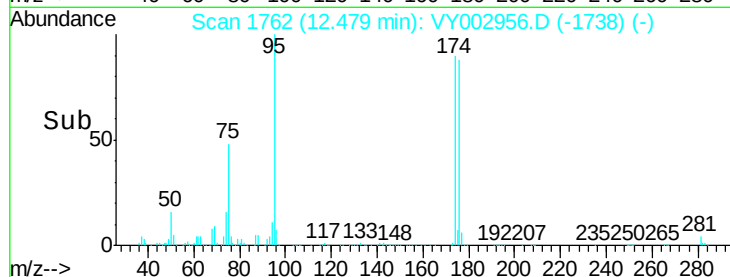
20000

10000

0

Time-->

12.40 12.50 12.60



#81

trans-1,4-Dichloro-2-butene

Concen: 92.786 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002956.D

Acq: 19 Jun 2020 22:34

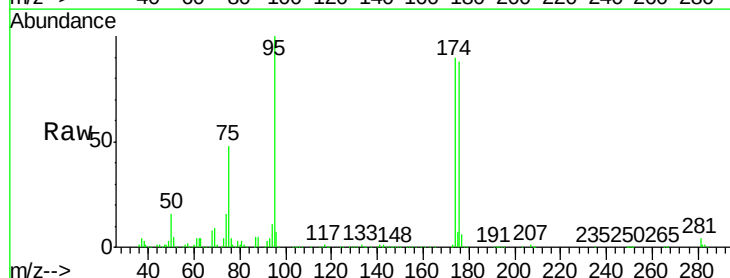
Tgt Ion: 75 Resp: 68755

Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

89 0.0 38.4 57.6#



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

12.48

60000

50000

40000

30000

20000

10000

0

Time-->

12.40 12.50 12.60

