

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
 Data File : VY002967.D
 Acq On : 22 Jun 2020 12:35
 Operator : SY/MD
 Sample : L3024-16
 Misc : 5.03G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-6RE

Quant Time: Jun 22 14:22:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 20 06:39:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	222704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	359406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	344565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175301	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	113255	61.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.14%	
35) Dibromofluoromethane	7.72	113	110440	54.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.62%	
50) Toluene-d8	10.18	98	422245	52.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.48	95	146842	52.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.58%	

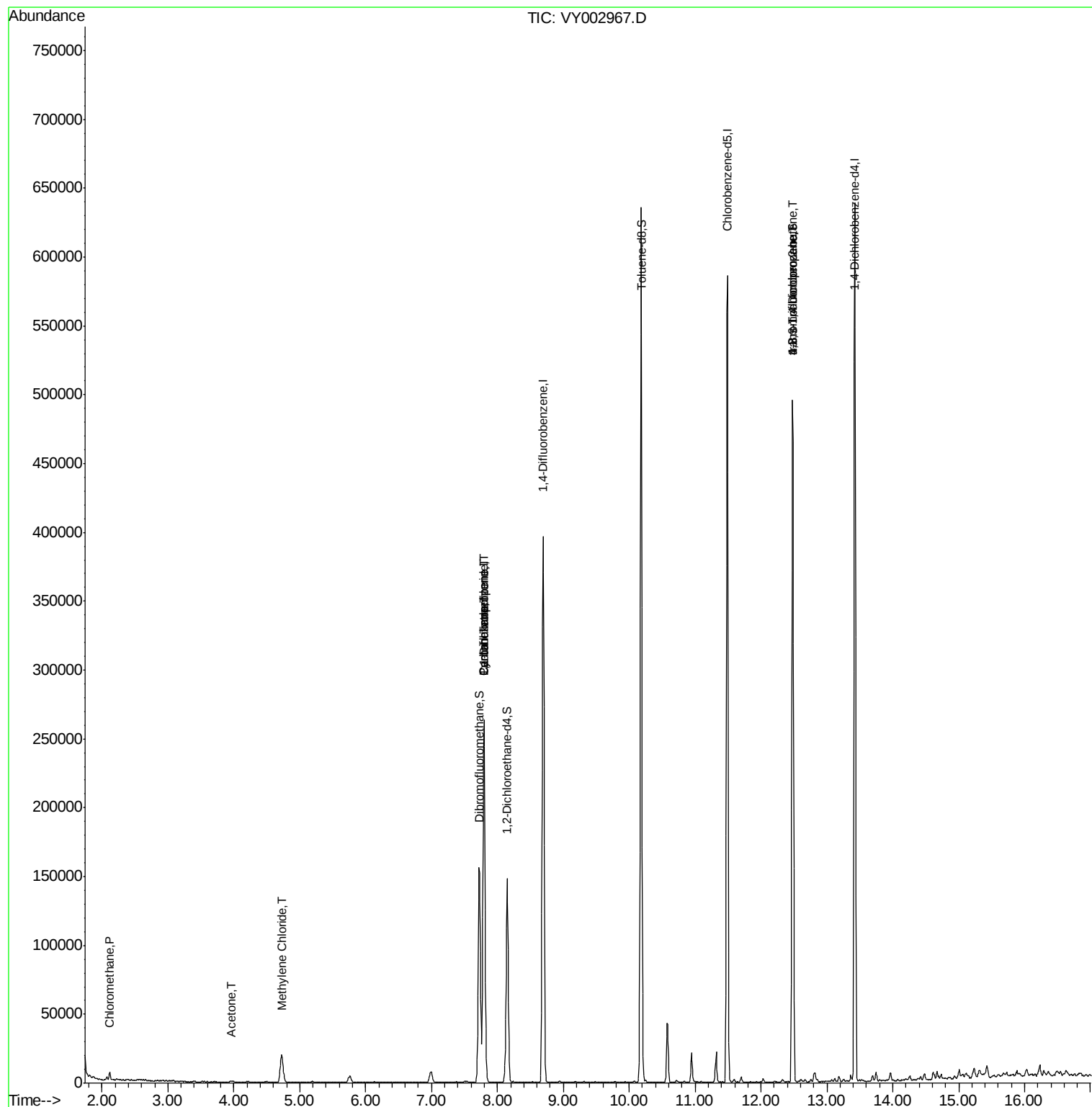
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	4664	2.893	ug/l	99
11) Tert butyl alcohol	4.97	59	726	Below Cal	#	74
16) Acetone	3.96	43	1387	3.044	ug/l #	86
18) Methyl Acetate	4.49	43	863	Below Cal	#	68
20) Methylene Chloride	4.73	84	16633	1.046	ug/l	85
31) Cyclohexane	7.80	56	3486	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13528	4.635	ug/l #	48
38) Carbon Tetrachloride	7.80	117	19649	6.108	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	70982	46.494	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	70982	88.766	ug/l #	16

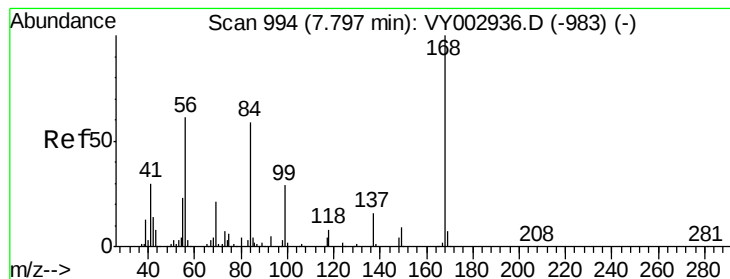
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
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QLast Update : Sat Jun 20 06:39:15 2020
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: VY002967.D

Acq: 22 Jun 2020 12:35

Instrument :

MSVOA_Y

ClientSampled :

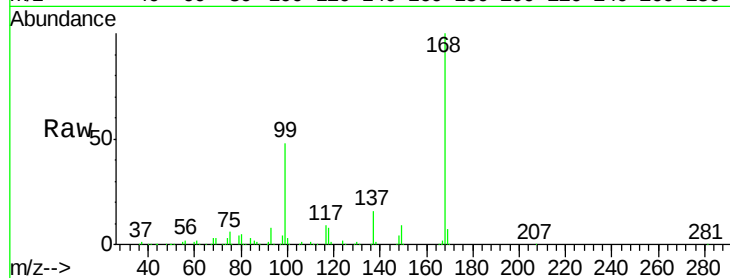
RO-6RE

Tgt Ion:168 Resp: 222704

Ion Ratio Lower Upper

168 100

99 47.5 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

80000

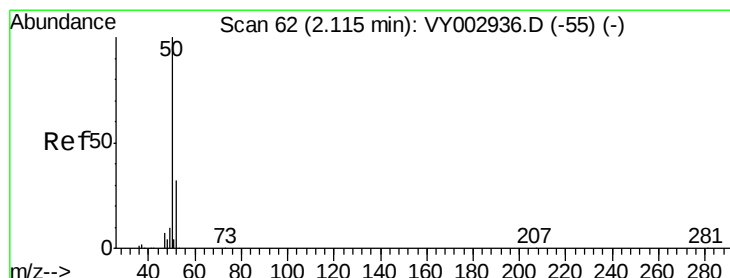
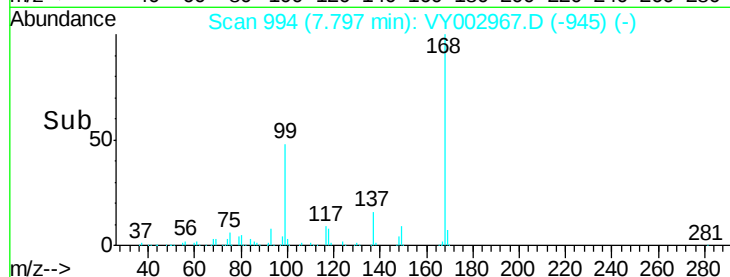
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 2.893 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002967.D

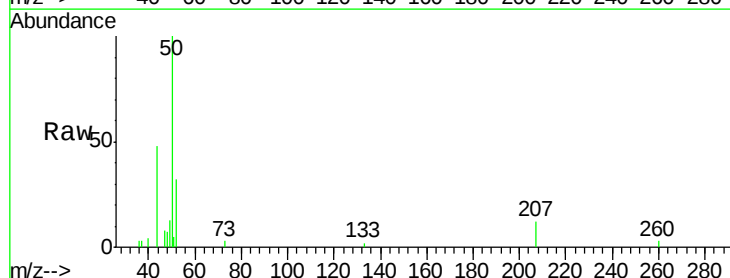
Acq: 22 Jun 2020 12:35

Tgt Ion: 50 Resp: 4664

Ion Ratio Lower Upper

50 100

52 31.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY002936.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY002936.D (-55) (-)

2.11

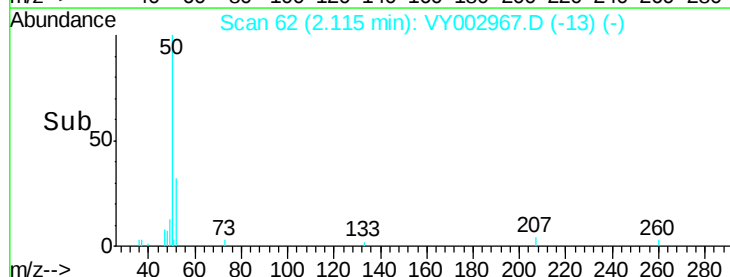
3000

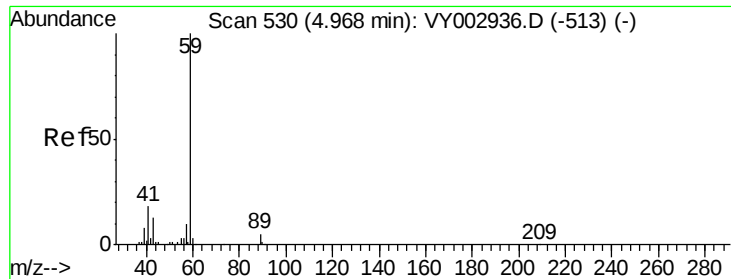
2000

1000

0

Time-->

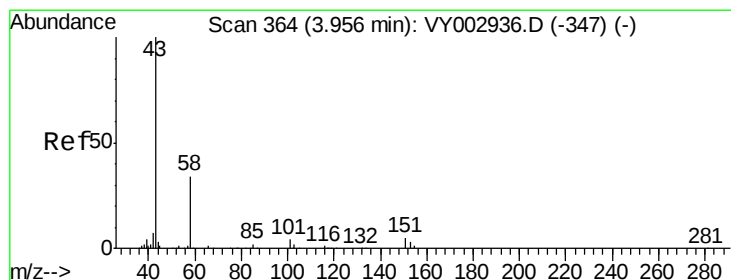
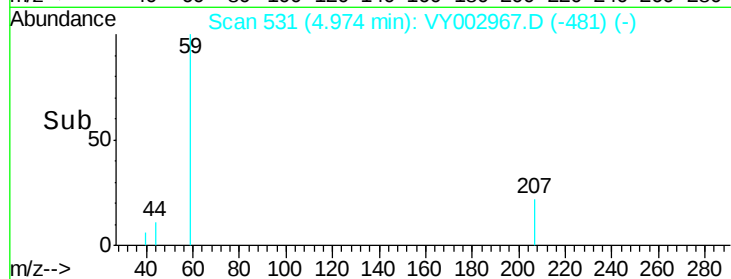
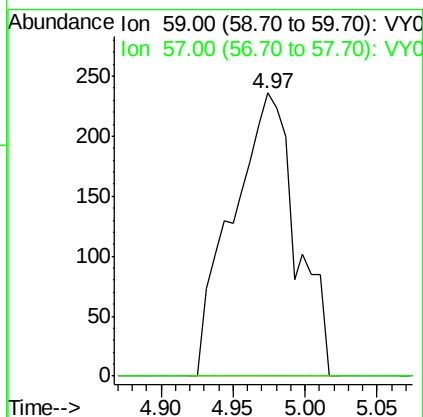
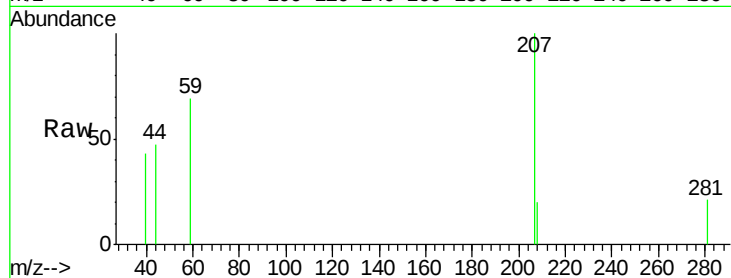




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY002967.D
Acq: 22 Jun 2020 12:35

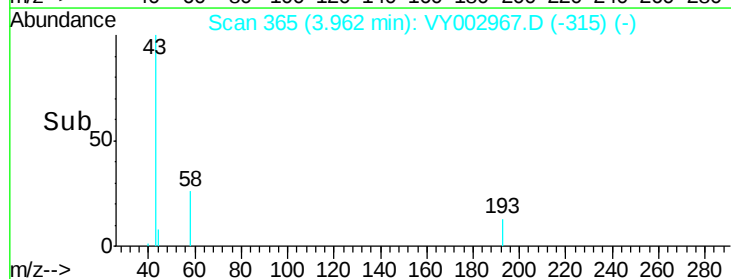
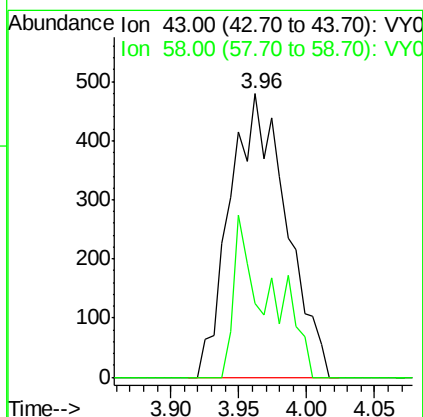
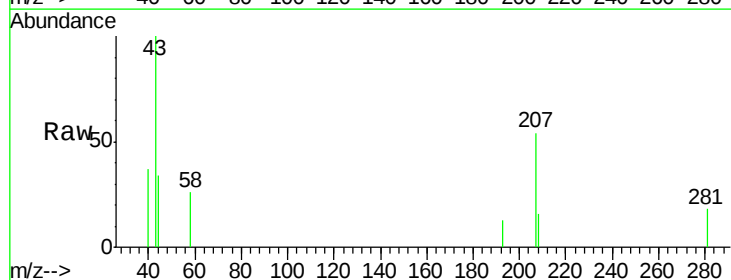
Instrument :
MSVOA_Y
ClientSampleId :
RO-6RE

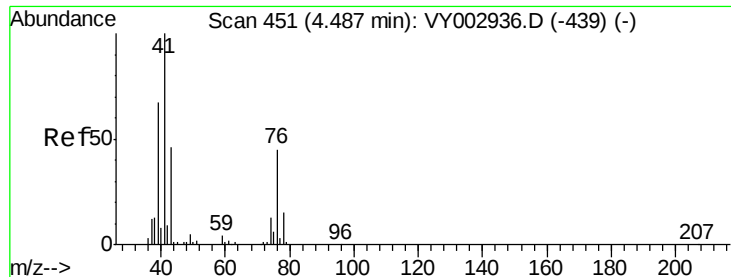
Tgt Ion: 59 Resp: 726
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 3.044 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY002967.D
Acq: 22 Jun 2020 12:35

Tgt Ion: 43 Resp: 1387
Ion Ratio Lower Upper
43 100
58 25.9 27.3 40.9#

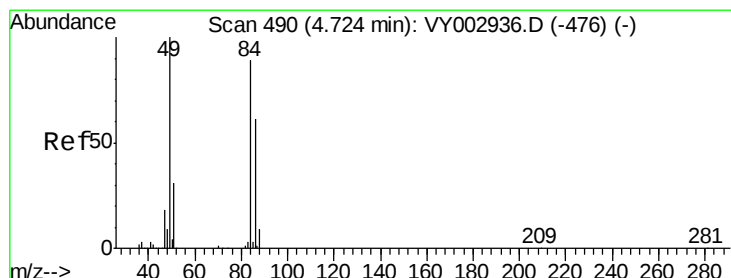
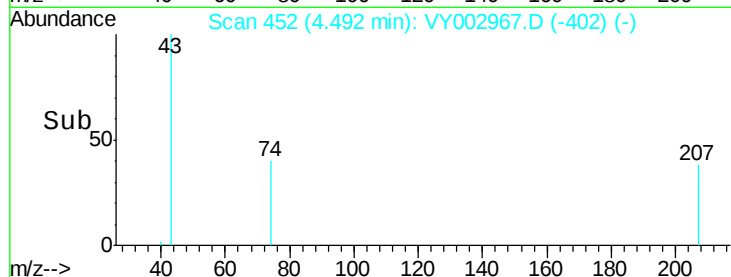
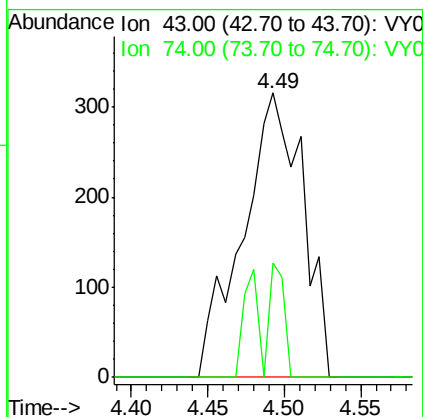
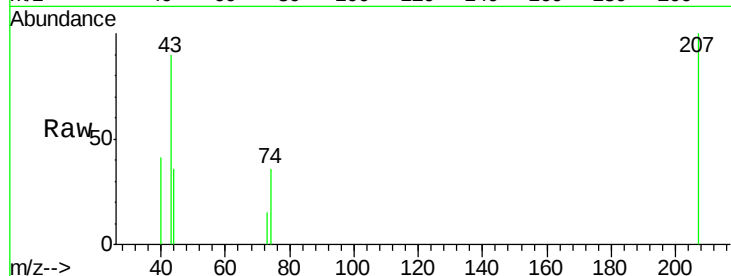




#18
Methyl Acetate
Concen: Below Cal
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY002967.D
Acq: 22 Jun 2020 12:35

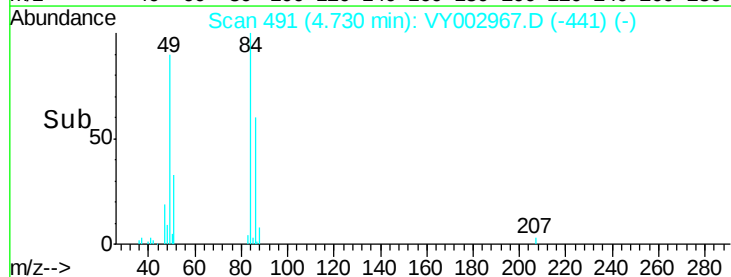
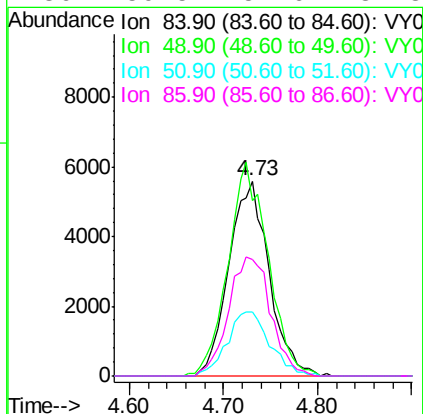
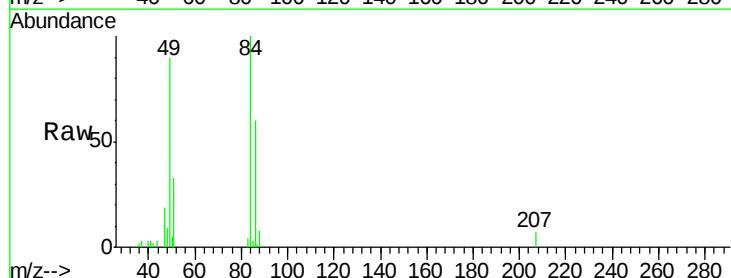
Instrument :
MSVOA_Y
ClientSampleId :
RO-6RE

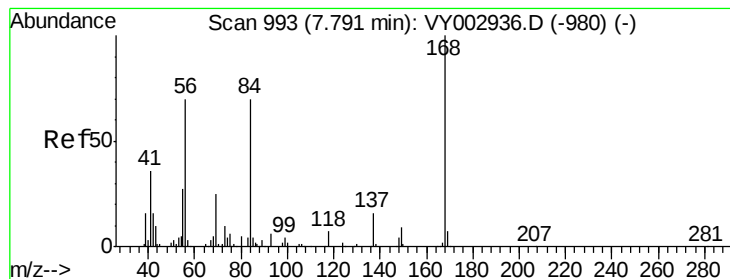
Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
74 10.1 21.1 31.7#



#20
Methylene Chloride
Concen: 1.046 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002967.D
Acq: 22 Jun 2020 12:35

Tgt Ion: 84 Resp: 16633
Ion Ratio Lower Upper
84 100
49 90.1 90.0 135.0
51 32.8 27.9 41.9
86 59.5 54.6 81.8





#31

Cyclohexane

Concen: 1.104 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002967.D

Acq: 22 Jun 2020 12:35

Instrument :

MSVOA_Y

ClientSampleId :

RO-6RE

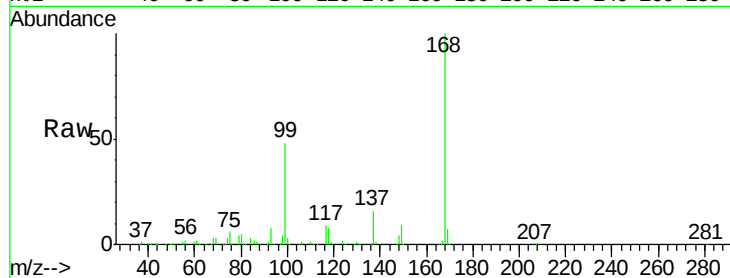
Tgt Ion: 56 Resp: 3486

Ion Ratio Lower Upper

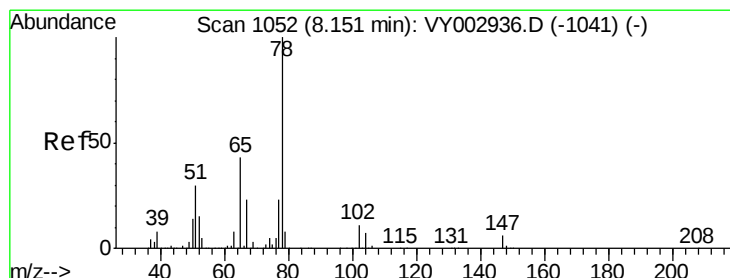
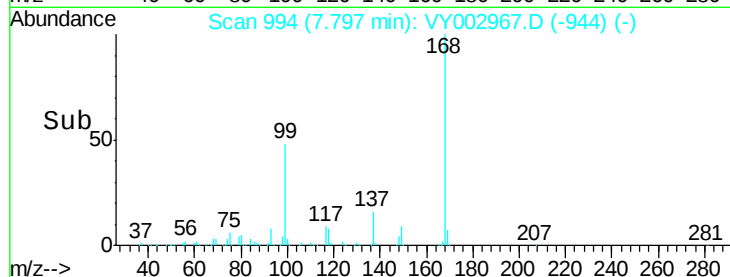
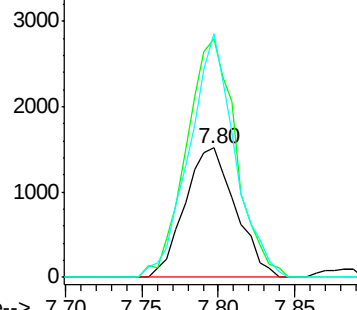
56 100

69 184.3 28.9 43.3#

84 187.9 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: 61.568 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002967.D

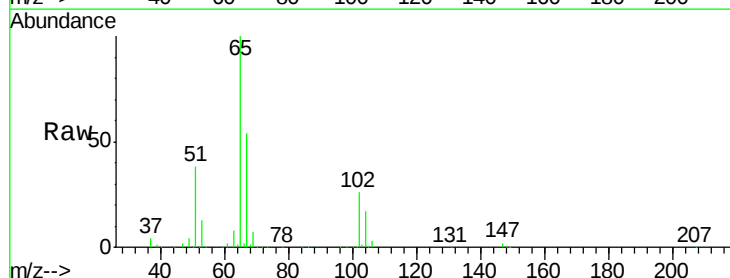
Acq: 22 Jun 2020 12:35

Tgt Ion: 65 Resp: 113255

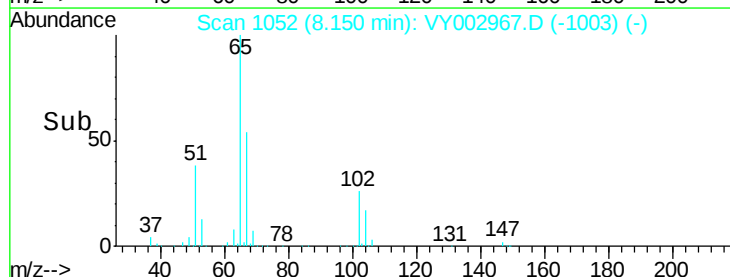
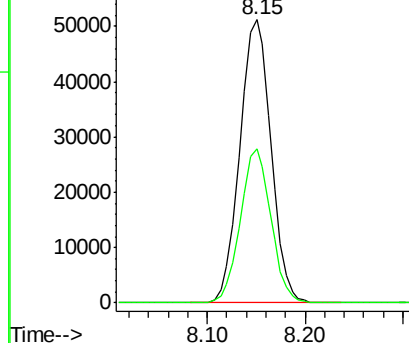
Ion Ratio Lower Upper

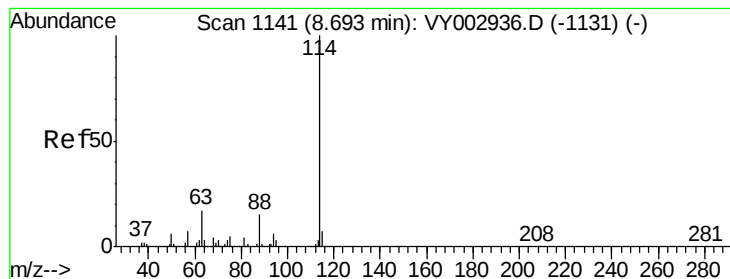
65 100

67 53.1 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: VY002967.D

Acq: 22 Jun 2020 12:35

Instrument :

MSVOA_Y

ClientSampleId :

RO-6RE

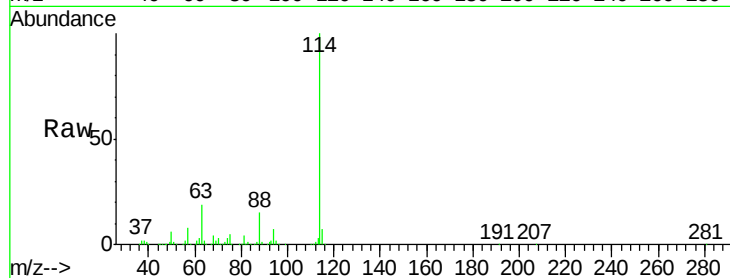
Tgt Ion:114 Resp: 359406

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.6

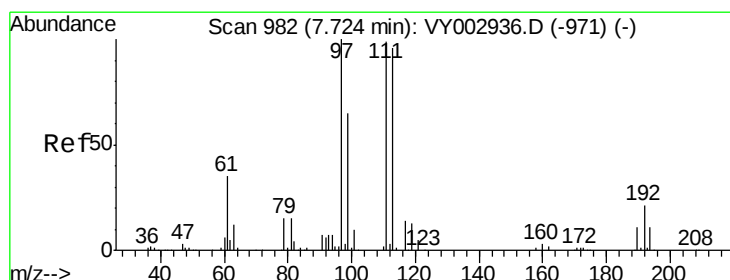
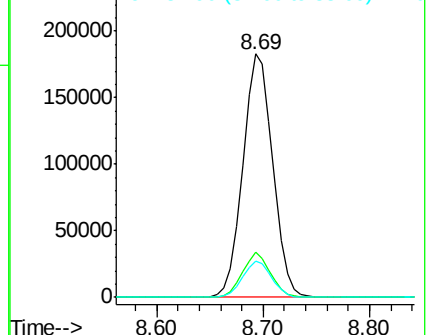
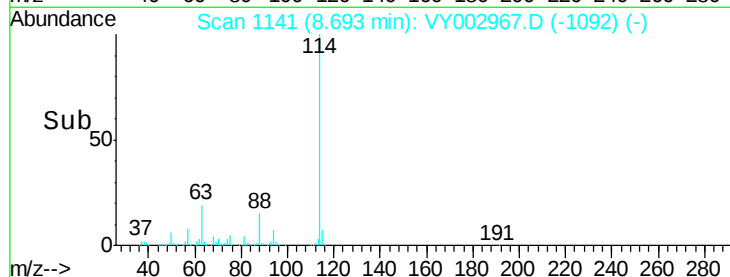
88 15.0 0.0 29.2



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: 54.308 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002967.D

Acq: 22 Jun 2020 12:35

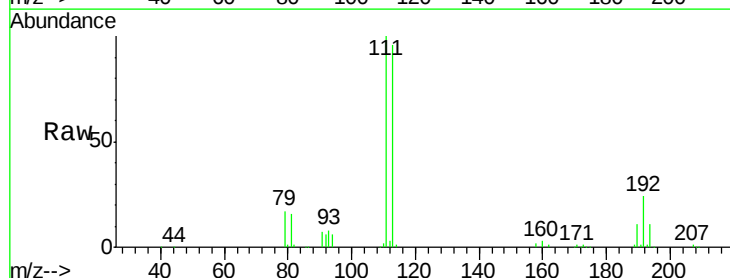
Tgt Ion:113 Resp: 110440

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

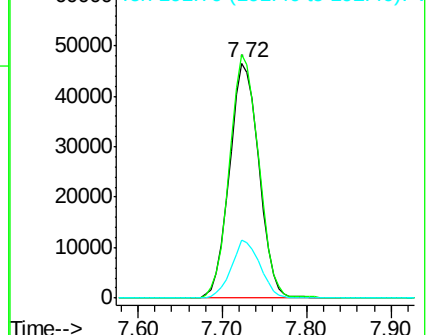
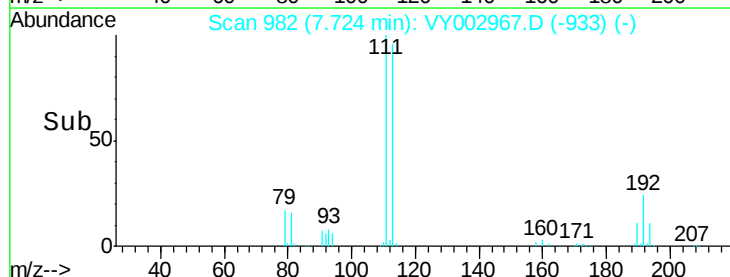
192 23.9 19.2 28.8

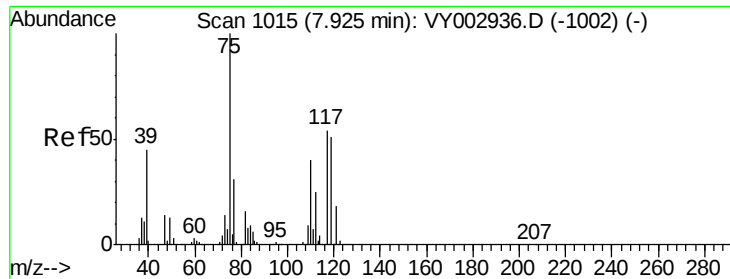


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.635 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002967.D

Acq: 22 Jun 2020 12:35

Instrument :

MSVOA_Y

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RO-6RE

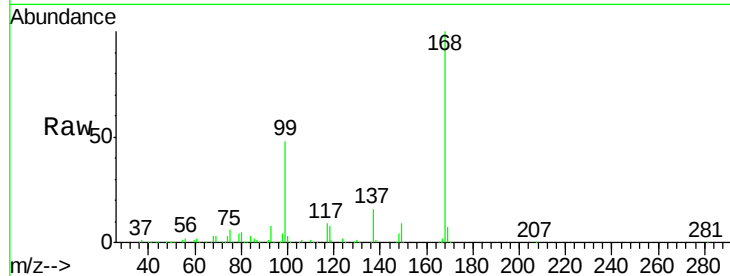
Tgt Ion: 75 Resp: 13528

Ion Ratio Lower Upper

75 100

110 9.7 19.7 59.0#

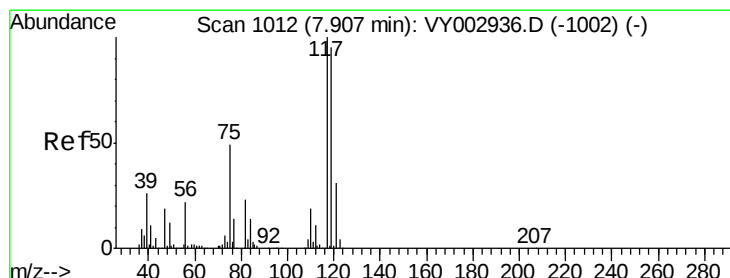
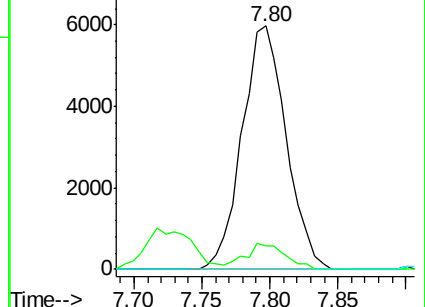
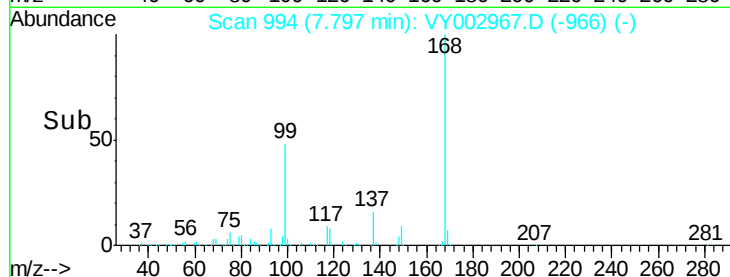
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VY002967.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY002967.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY002967.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 6.108 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002967.D

Acq: 22 Jun 2020 12:35

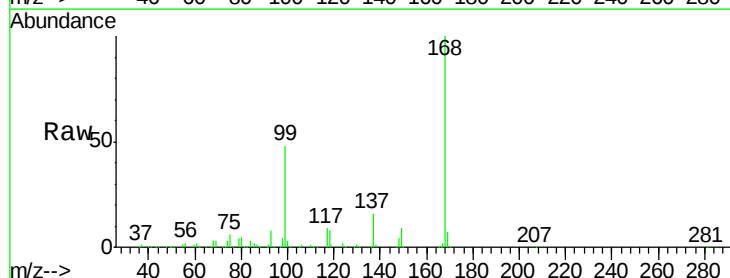
Tgt Ion: 117 Resp: 19649

Ion Ratio Lower Upper

117 100

119 6.2 76.1 114.1#

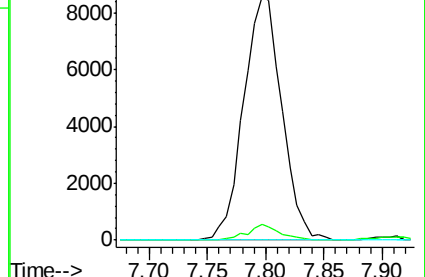
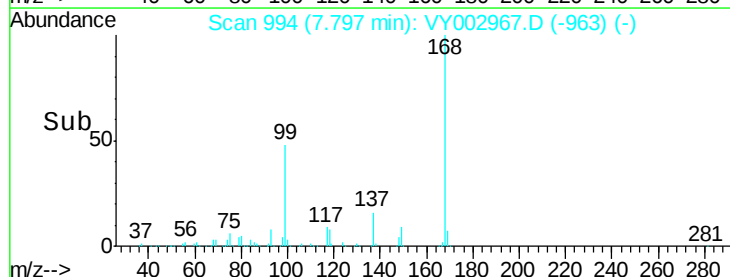
121 0.0 24.8 37.2#

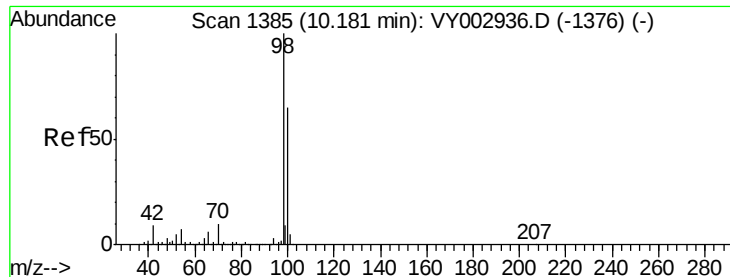


Abundance Ion 116.80 (116.50 to 117.50): VY002967.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY002967.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY002967.D (-963) (-)





#50

Toluene-d8

Concen: 52.660 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002967.D

Acq: 22 Jun 2020 12:35

Instrument :

MSVOA_Y

ClientSampleId :

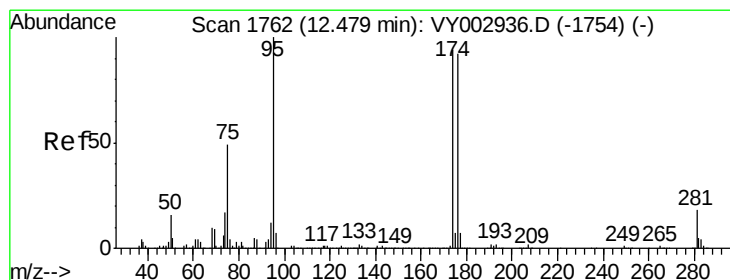
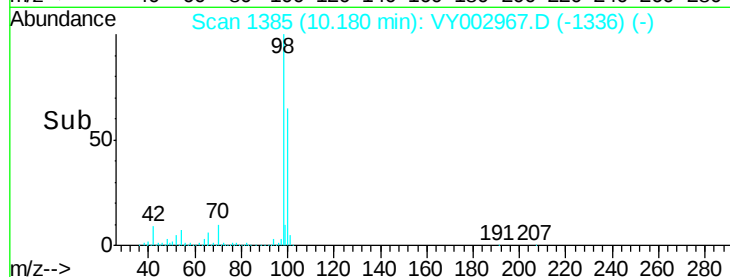
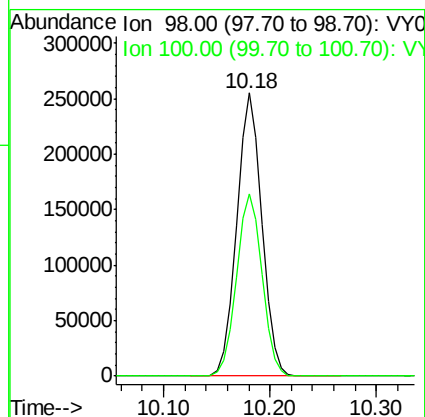
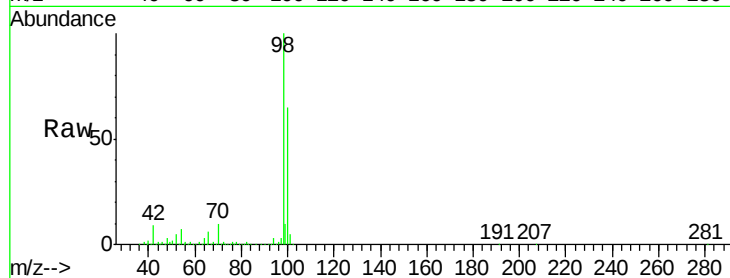
RO-6RE

Tgt Ion: 98 Resp: 422245

Ion Ratio Lower Upper

98 100

100 65.5 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 52.794 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002967.D

Acq: 22 Jun 2020 12:35

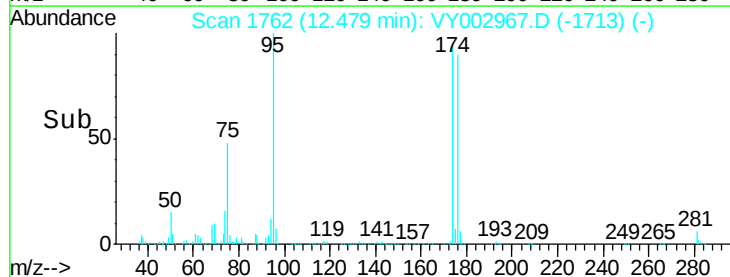
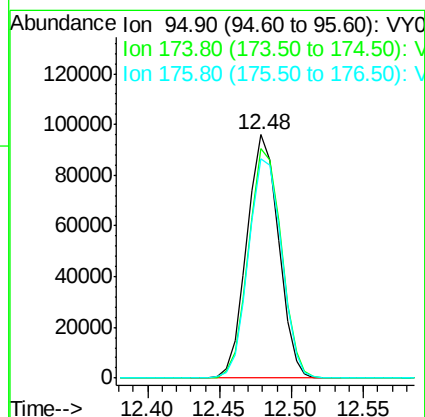
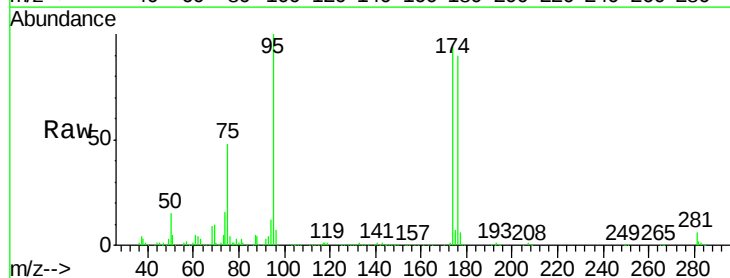
Tgt Ion: 95 Resp: 146842

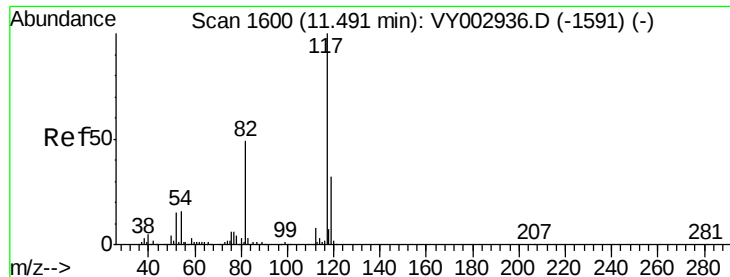
Ion Ratio Lower Upper

95 100

174 97.0 0.0 191.2

176 93.6 0.0 186.0

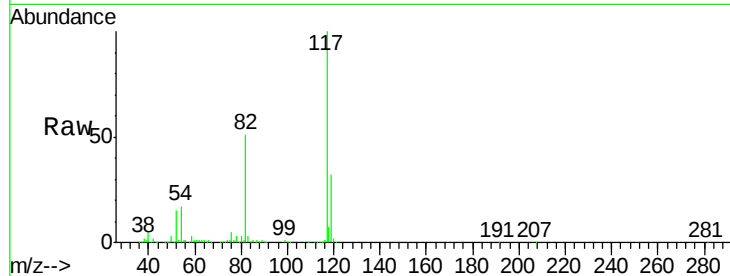




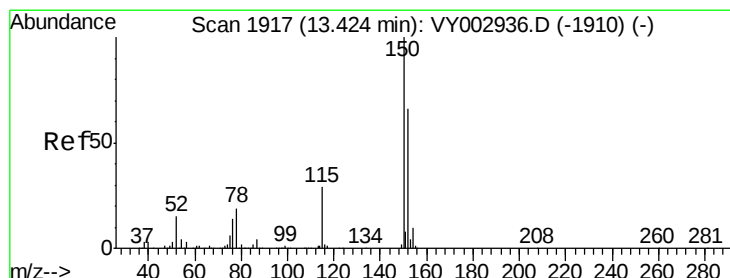
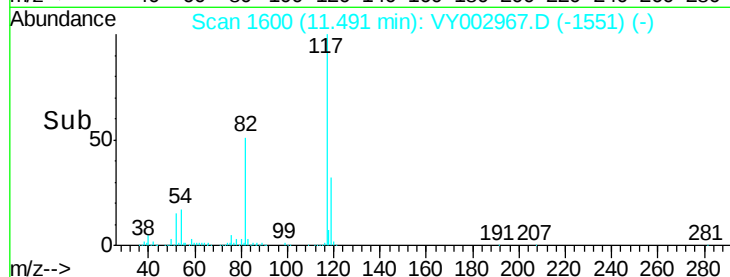
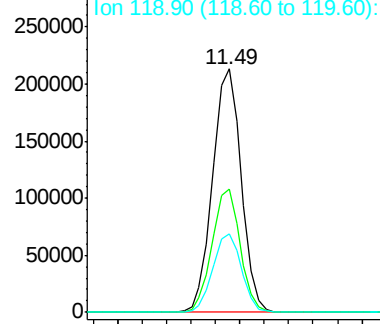
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002967.D
Acq: 22 Jun 2020 12:35

Instrument :
MSVOA_Y
ClientSampled :
RO-6RE

Tgt Ion:117 Resp: 344565
Ion Ratio Lower Upper
117 100
82 50.9 39.4 59.0
119 32.2 25.4 38.0

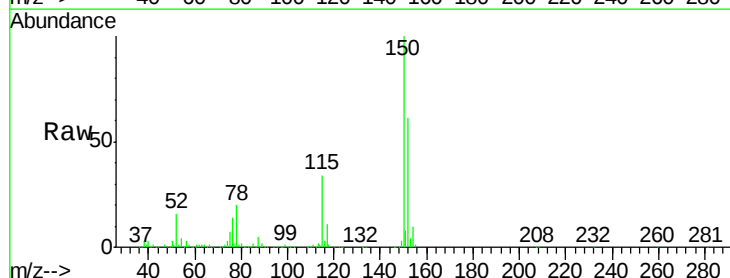


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

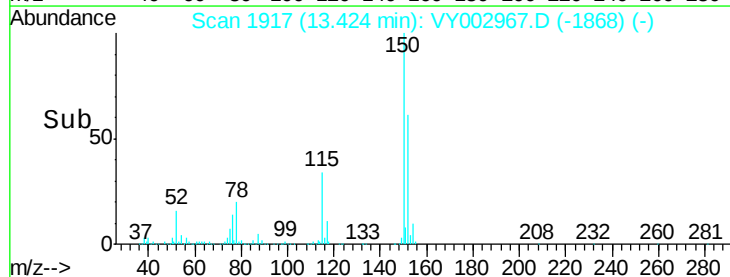
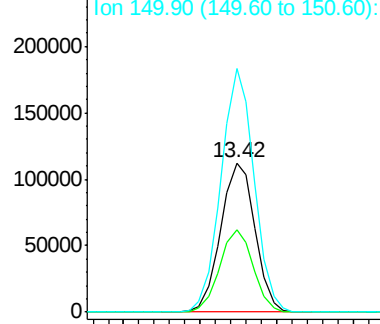


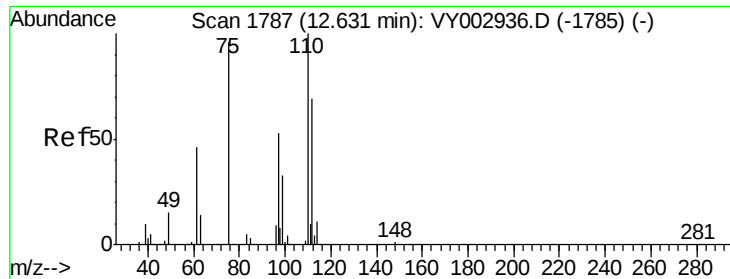
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002967.D
Acq: 22 Jun 2020 12:35

Tgt Ion:152 Resp: 175301
Ion Ratio Lower Upper
152 100
115 54.1 26.9 80.6
150 157.3 0.0 341.8



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

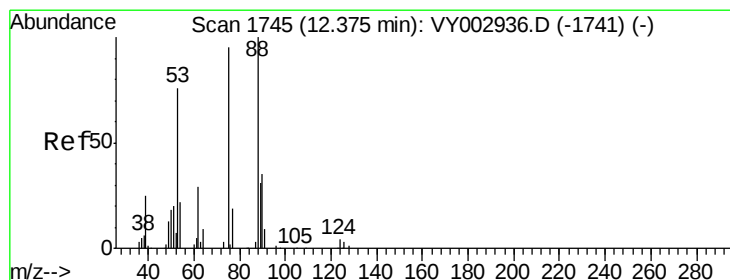
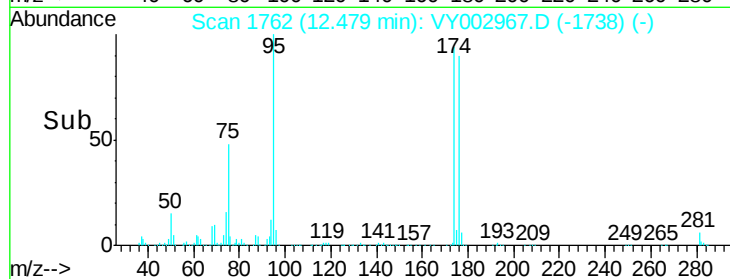
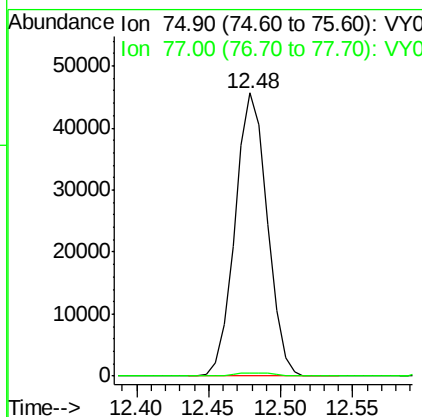
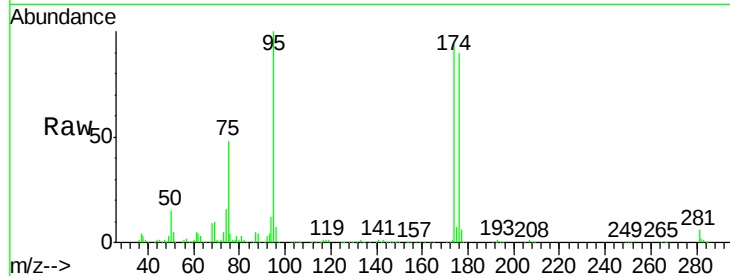




#76
 1,2,3-Trichloropropane
 Concen: 46.494 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY002967.D
 Acq: 22 Jun 2020 12:35

Instrument :
 MSVOA_Y
 ClientSampled :
 RO-6RE

Tgt Ion: 75 Resp: 70982
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.766 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY002967.D
 Acq: 22 Jun 2020 12:35

Tgt Ion: 75 Resp: 70982
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.1 97.7#
 89 0.2 38.4 57.6#

