

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003248.D
 Acq On : 20 Jul 2020 21:34
 Operator : SY/MD
 Sample : L3308-22
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22

Quant Time: Jul 21 03:21:29 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	342733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	522235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	426548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	180678	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	199586	68.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	137.98%	
35) Dibromofluoromethane	7.72	113	175498	58.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.80%	
50) Toluene-d8	10.18	98	607435	54.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.48	95	176074	43.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.24%	

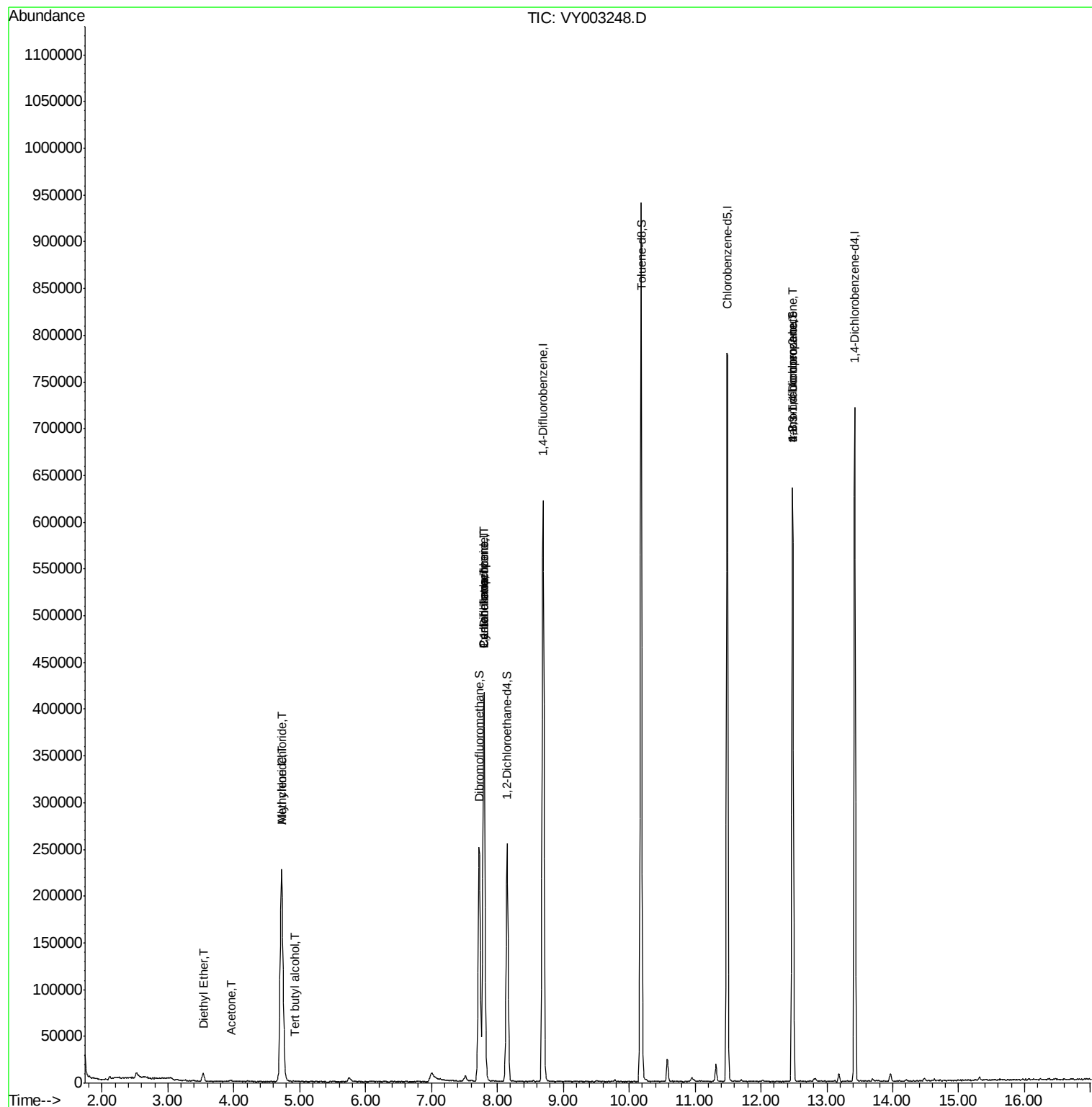
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	4651	2.780	ug/l	75
11) Tert butyl alcohol	4.93	59	372	1.189	ug/l #	72
14) Allyl chloride	4.73	41	6963	1.645	ug/l #	23
16) Acetone	3.96	43	2539	3.929	ug/l #	83
20) Methylene Chloride	4.73	84	173277	53.705	ug/l	98
31) Cyclohexane	7.79	56	6382	1.213	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	24742	5.227	ug/l #	50
38) Carbon Tetrachloride	7.79	117	32799	6.712	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	92511	57.844	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	92511	112.576	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: VY003248.D

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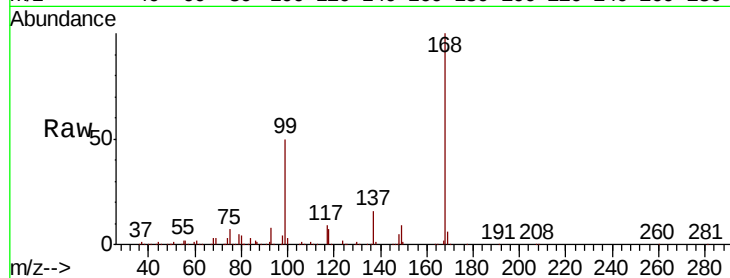
Instrument :
MSVOA_Y
ClientSampleId :
22

Tot Ion:168 Resp: 342733

Ion Ratio Lower Upper

168 100

99 50.3 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

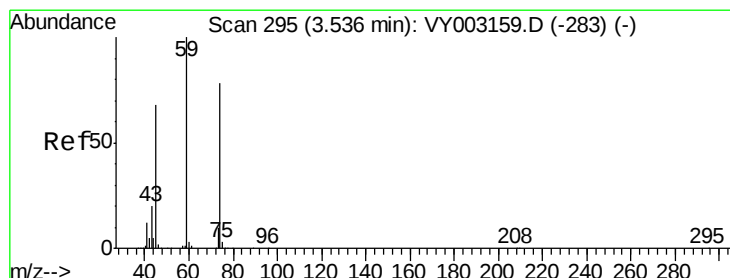
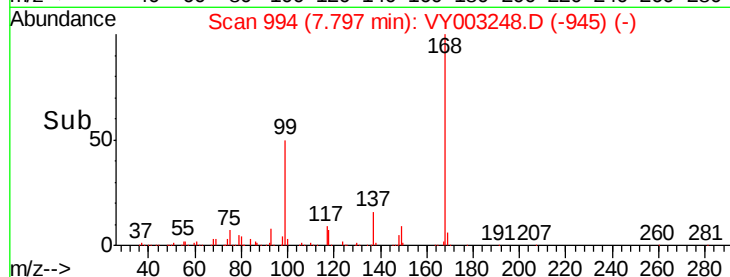
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.780 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY003248.D

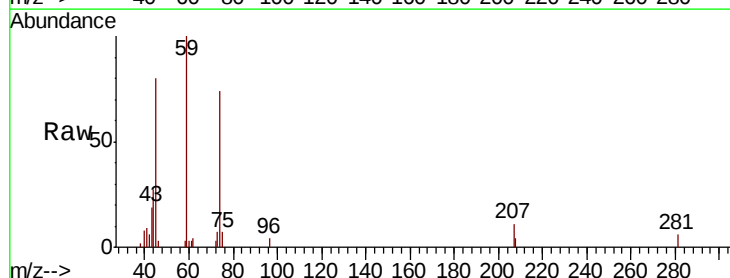
Acq: 20 Jul 2020 21:34

Tgt Ion: 74 Resp: 4651

Ion Ratio Lower Upper

74 100

45 114.1 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003159.D (-283) (-)

Ion 45.00 (44.70 to 45.70): VY003159.D (-283) (-)

3.54

2500

2000

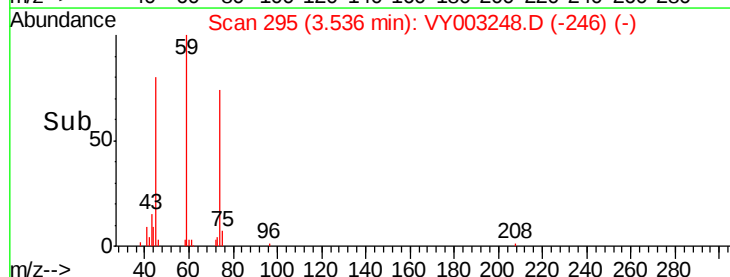
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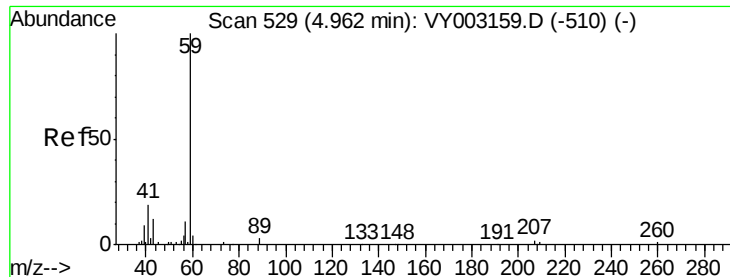
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 1.189 ug/l

RT: 4.93 min Scan# 524

Delta R.T. -0.03 min

Lab File: VY003248.D

Acq: 20 Jul 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

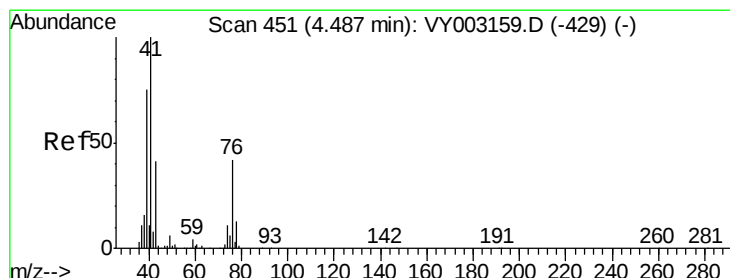
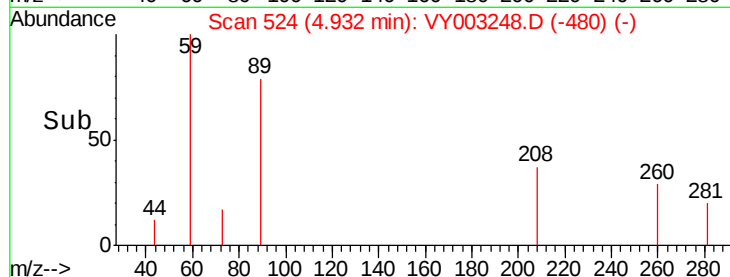
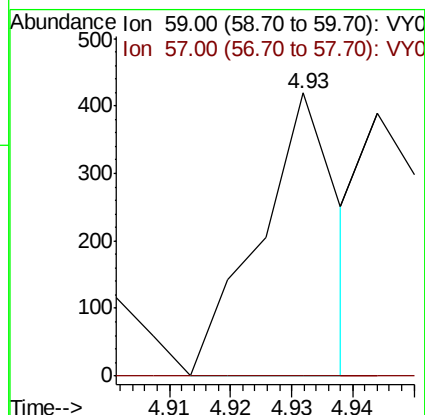
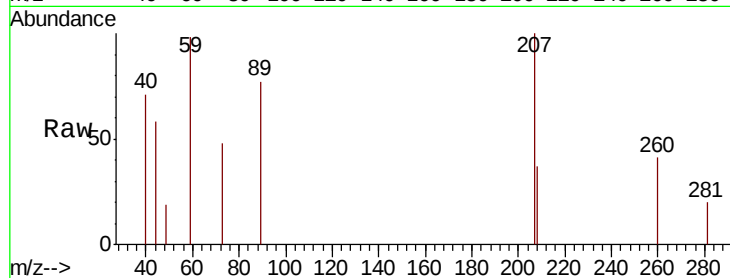
22

Tot Ion: 59 Resp: 372

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#14

Allyl chloride

Concen: 1.645 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.24 min

Lab File: VY003248.D

Acq: 20 Jul 2020 21:34

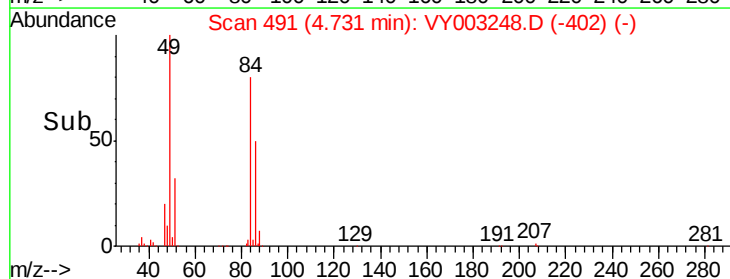
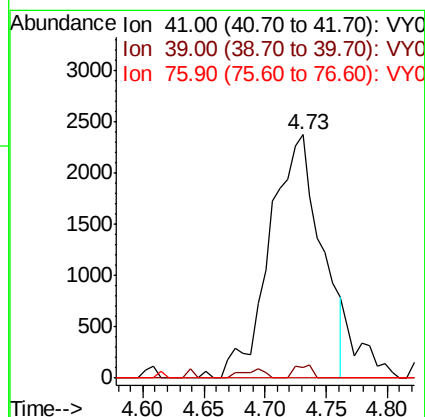
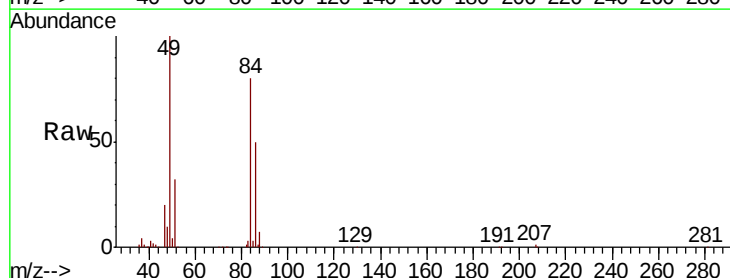
Tgt Ion: 41 Resp: 6963

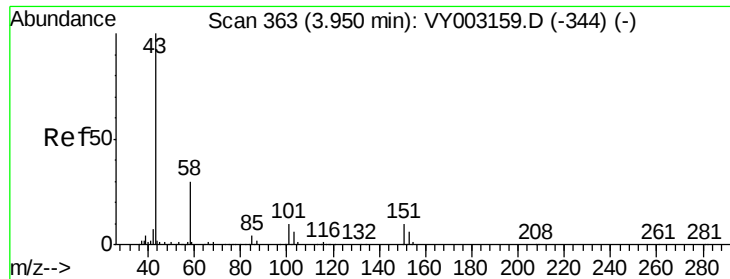
Ion Ratio Lower Upper

41 100

39 1.9 56.6 85.0#

76 0.0 31.6 47.4#

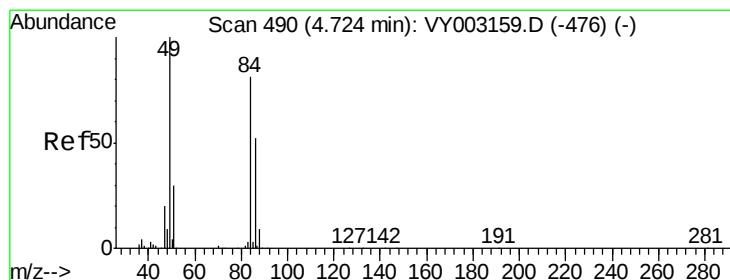
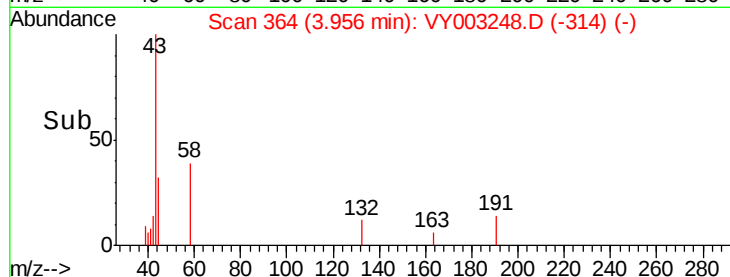
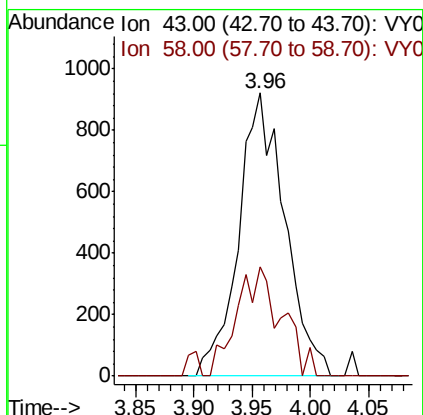
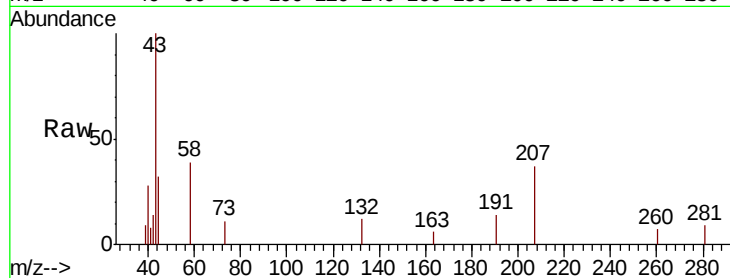




#16
Acetone
Concen: 3.929 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003248.D
Acq: 20 Jul 2020 21:34

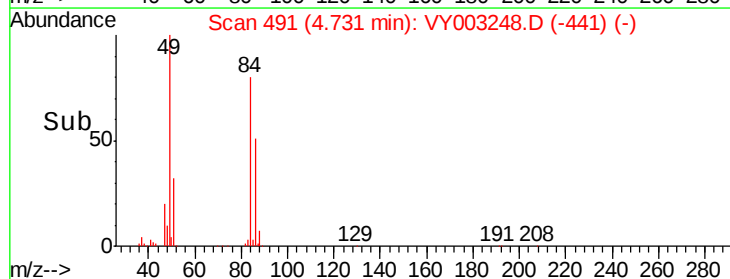
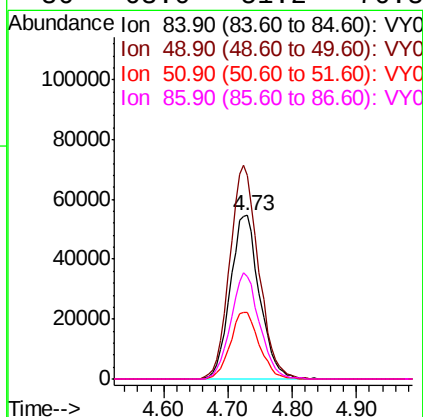
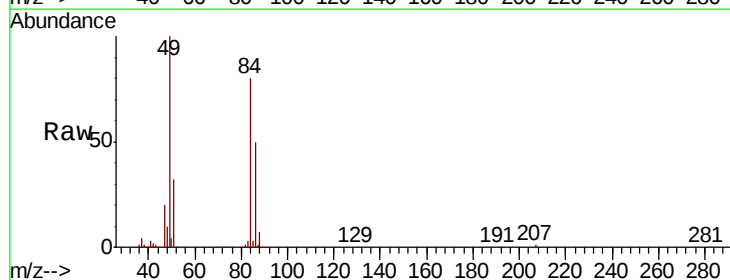
Instrument :
MSVOA_Y
ClientSampled :
22

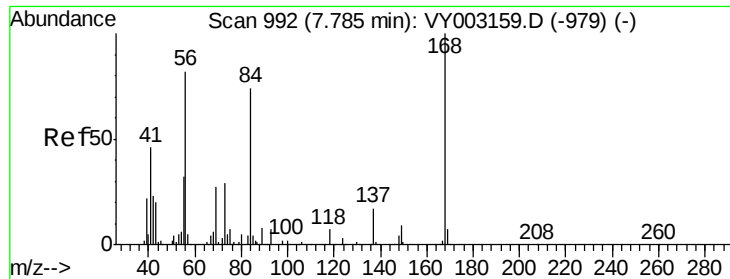
Tot Ion: 43 Resp: 2539
Ion Ratio Lower Upper
43 100
58 38.6 23.8 35.6#



#20
Methylene Chloride
Concen: 53.705 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003248.D
Acq: 20 Jul 2020 21:34

Tgt Ion: 84 Resp: 173277
Ion Ratio Lower Upper
84 100
49 124.8 98.2 147.4
51 40.5 29.8 44.6
86 63.0 51.2 76.8

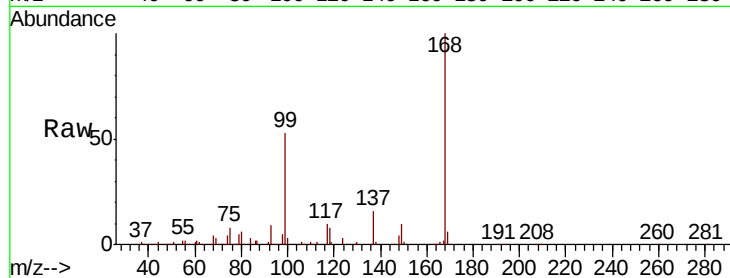




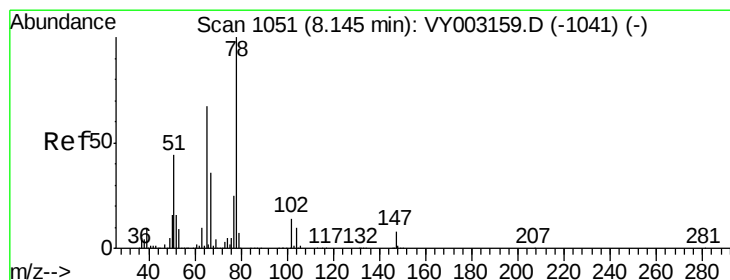
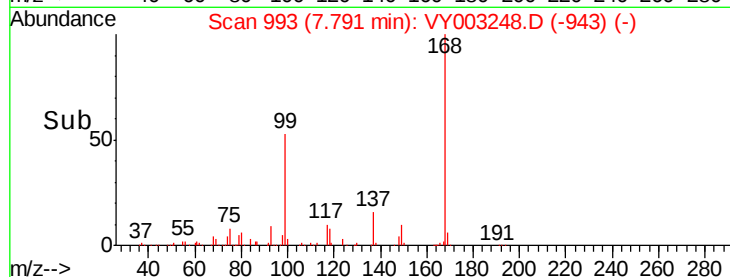
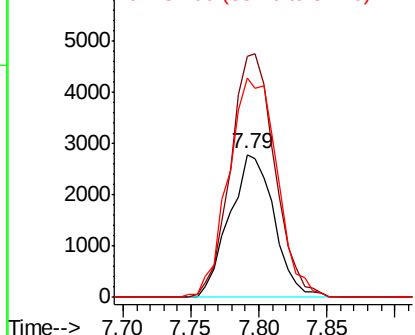
#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003248.D
Acq: 20 Jul 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
22

Tot Ion: 56 Resp: 6382
Ion Ratio Lower Upper
56 100
69 168.5 26.7 40.1#
84 153.4 72.3 108.5#

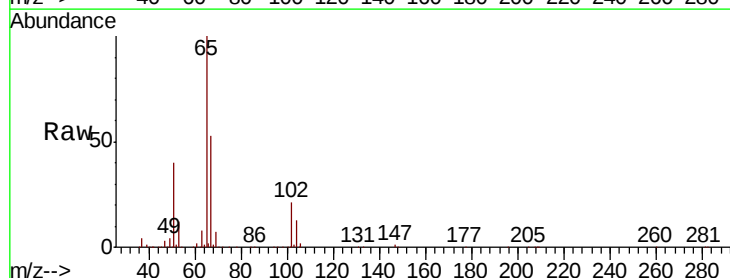


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

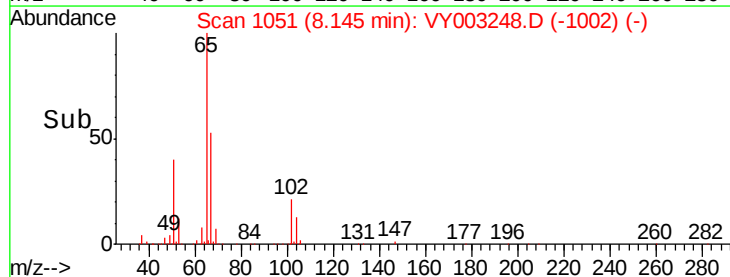
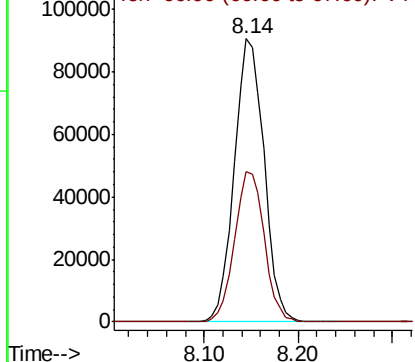


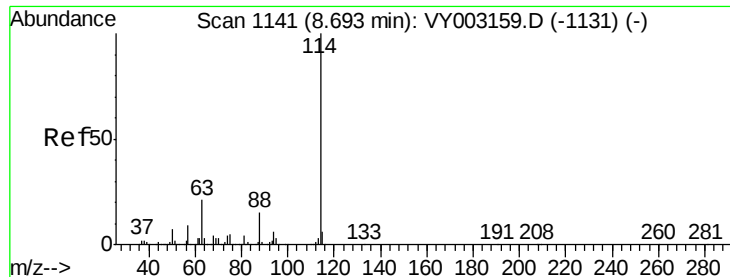
#33
1,2-Dichloroethane-d4
Concen: 68.994 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VY003248.D
Acq: 20 Jul 2020 21:34

Tgt Ion: 65 Resp: 199586
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.2



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

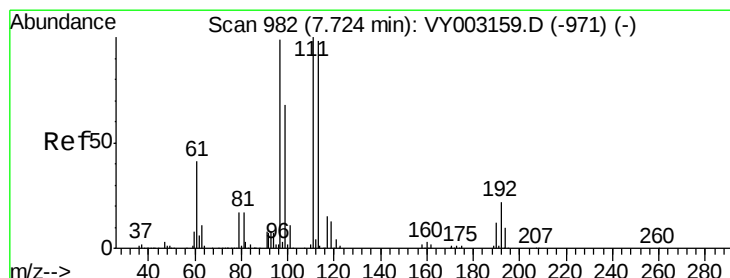
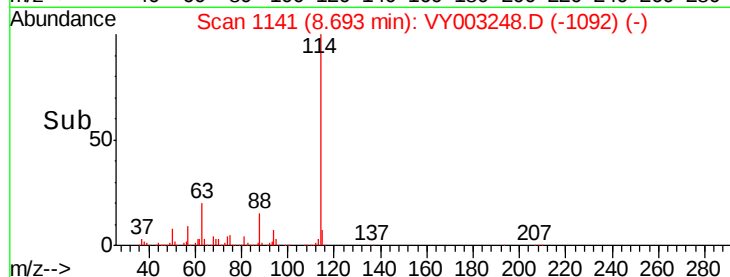
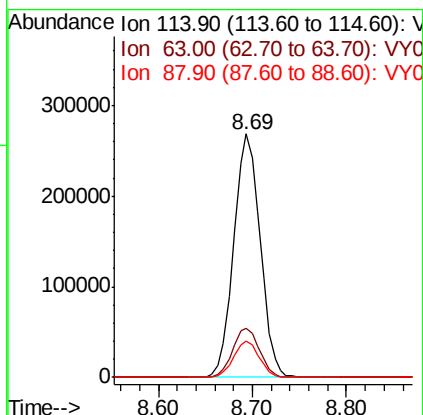
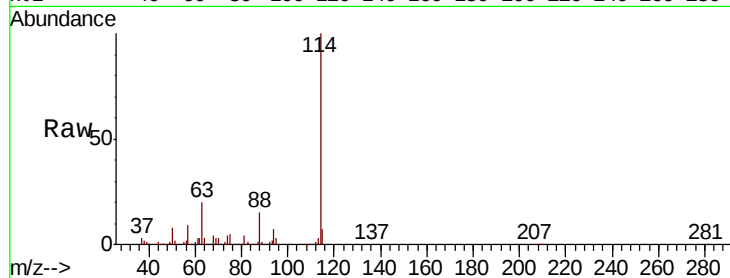




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003248.D
 Acq: 20 Jul 2020 21:34

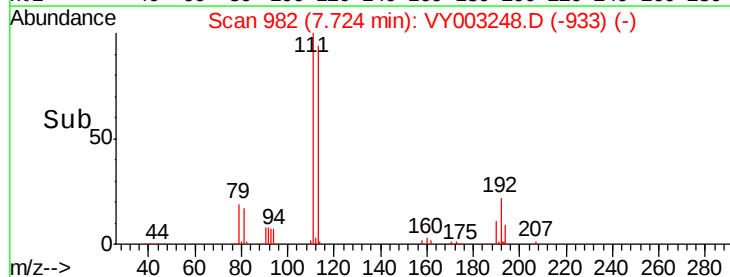
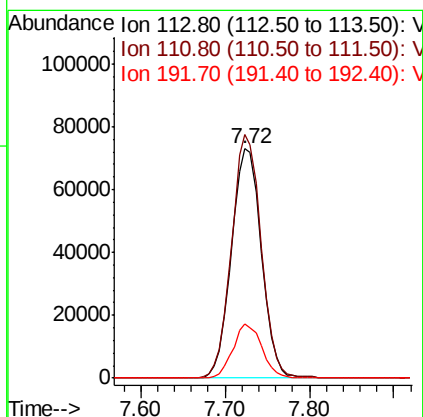
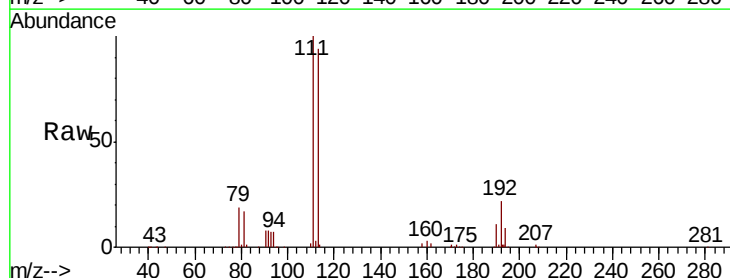
Instrument :
 MSVOA_Y
 ClientSampleId :
 22

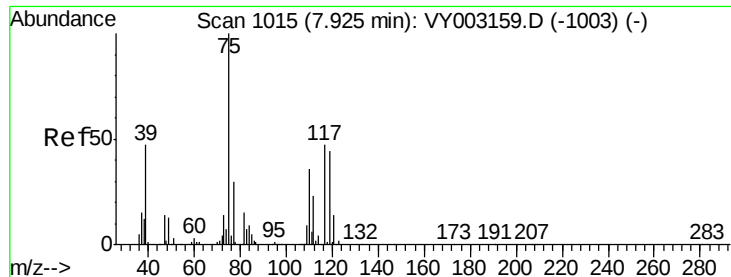
Tot Ion:114 Resp: 522235
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.2
 88 15.0 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 58.395 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003248.D
 Acq: 20 Jul 2020 21:34

Tgt Ion:113 Resp: 175498
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.1 123.1
 192 22.8 18.8 28.2





#36

1,1-Dichloropropene

Concen: 5.227 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003248.D

Acq: 20 Jul 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

22

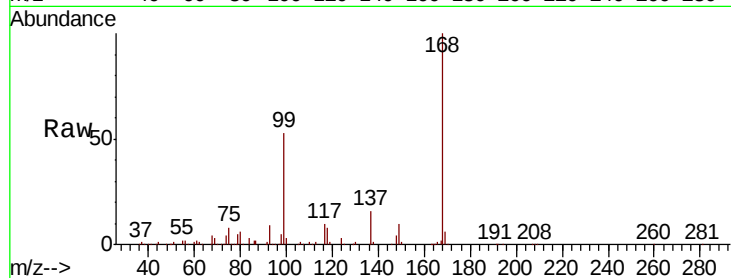
Tot Ion: 75 Resp: 24742

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

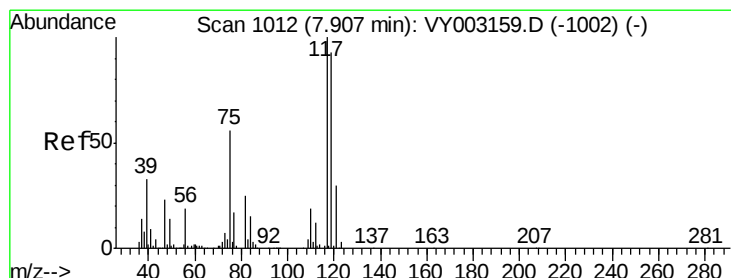
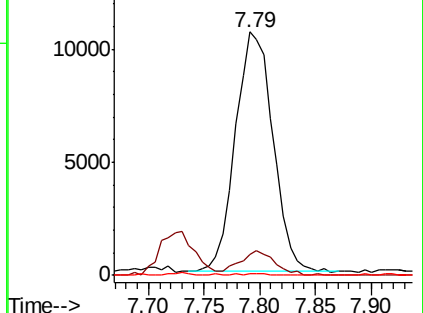
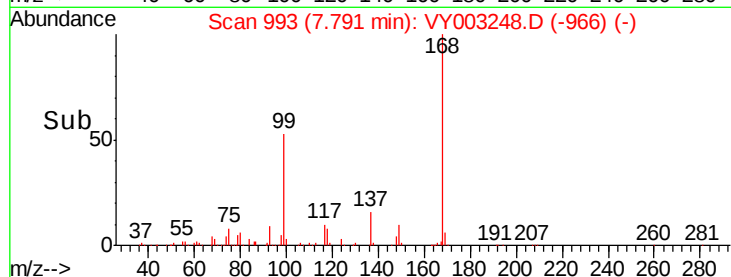
77 0.3 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY003248.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003248.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003248.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 6.712 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003248.D

Acq: 20 Jul 2020 21:34

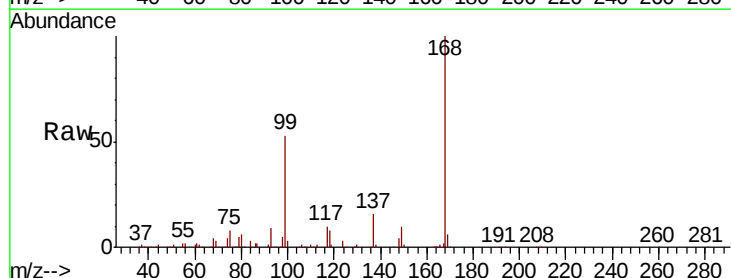
Tgt Ion: 117 Resp: 32799

Ion Ratio Lower Upper

117 100

119 4.9 74.5 111.7#

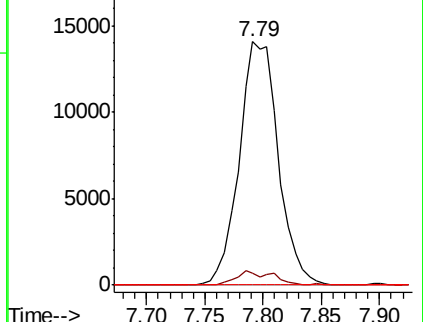
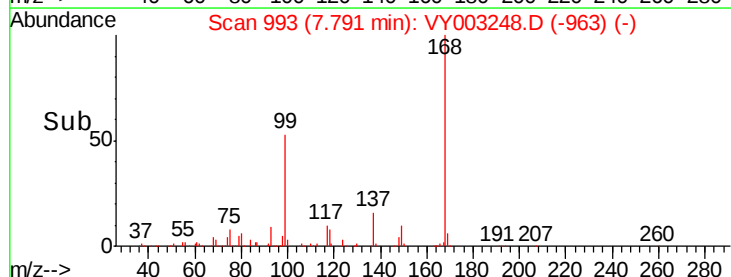
121 0.0 24.2 36.2#

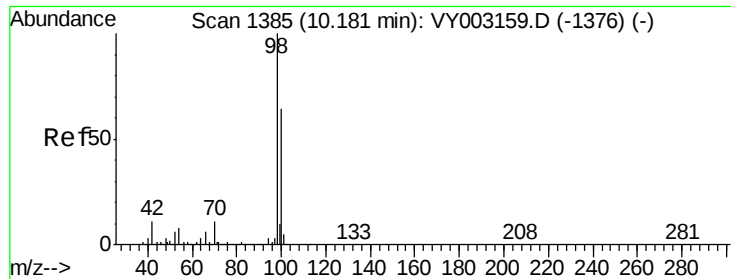


Abundance Ion 116.80 (116.50 to 117.50): VY003248.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003248.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003248.D (-963) (-)





#50

Toluene-d8

Concen: 54.365 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003248.D

Acq: 20 Jul 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

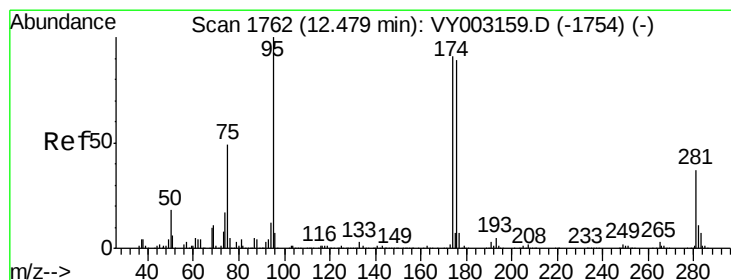
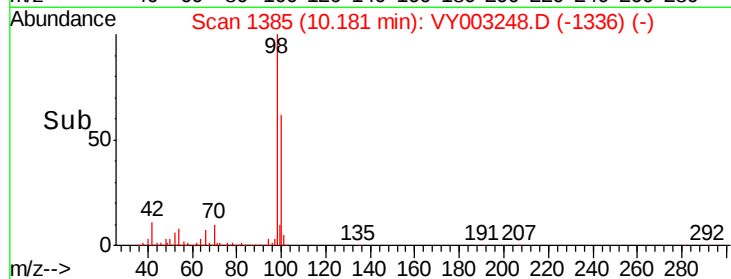
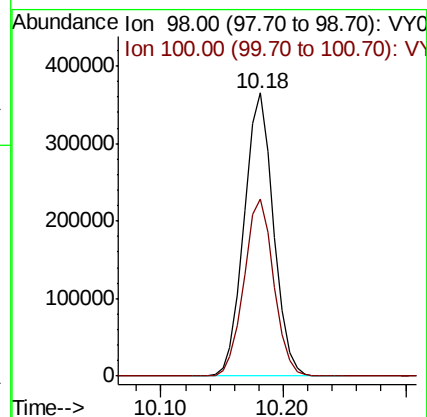
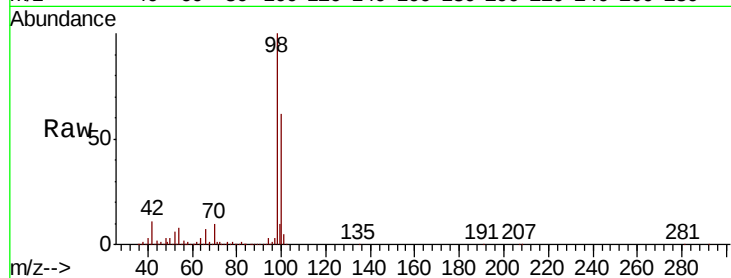
22

Tot Ion: 98 Resp: 607435

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 43.621 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003248.D

Acq: 20 Jul 2020 21:34

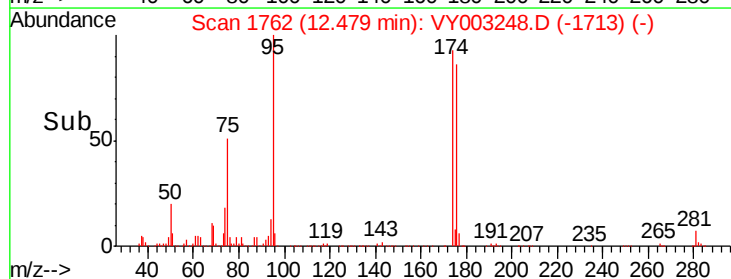
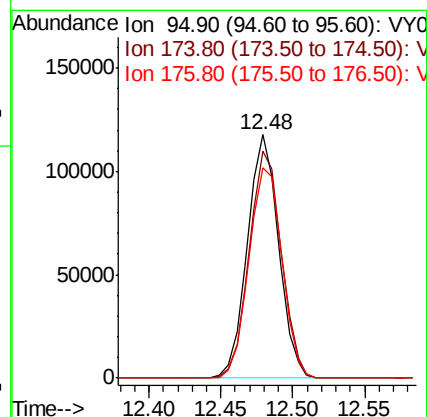
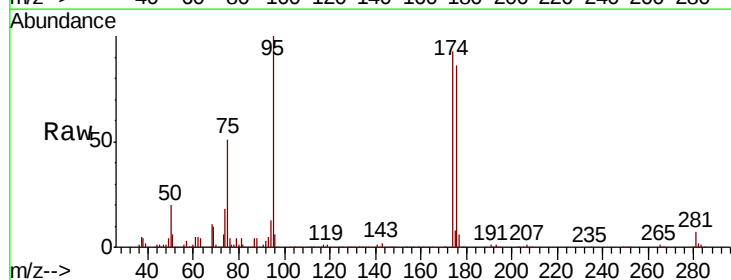
Tgt Ion: 95 Resp: 176074

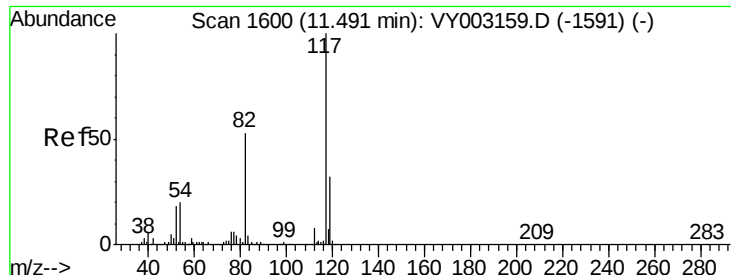
Ion Ratio Lower Upper

95 100

174 96.0 0.0 190.6

176 91.5 0.0 186.4

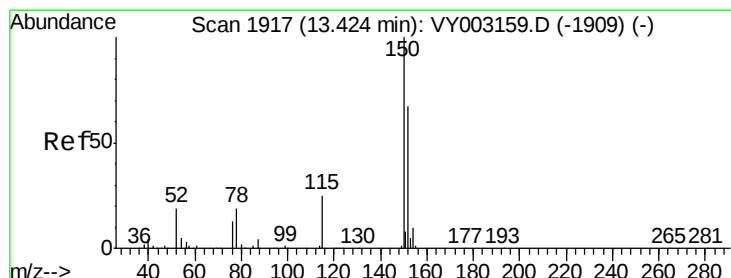
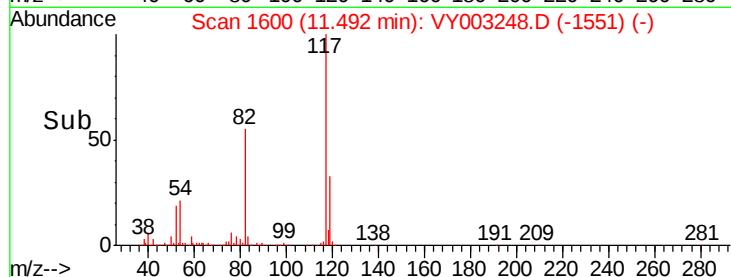
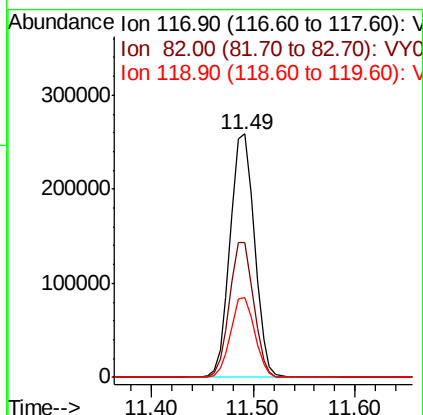
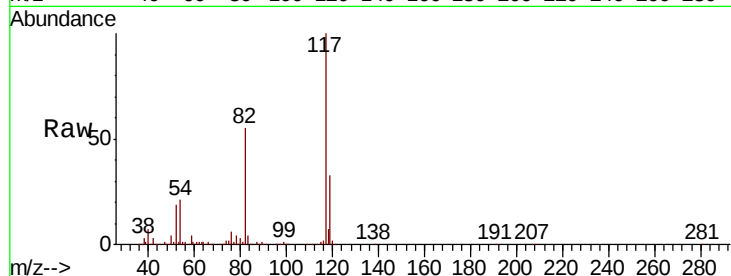




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003248.D
Acq: 20 Jul 2020 21:34

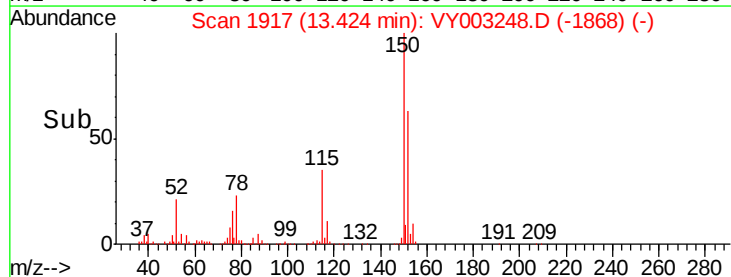
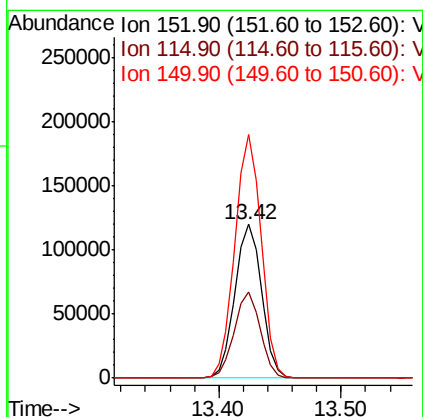
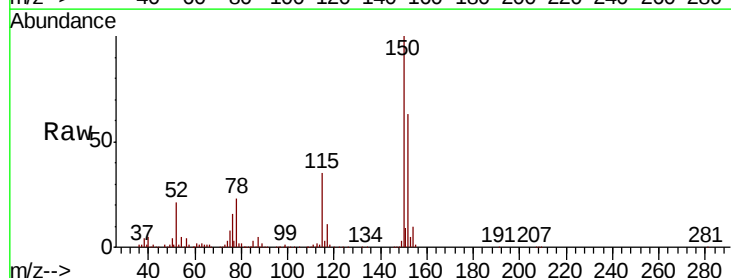
Instrument :
MSVOA_Y
ClientSampleId :
22

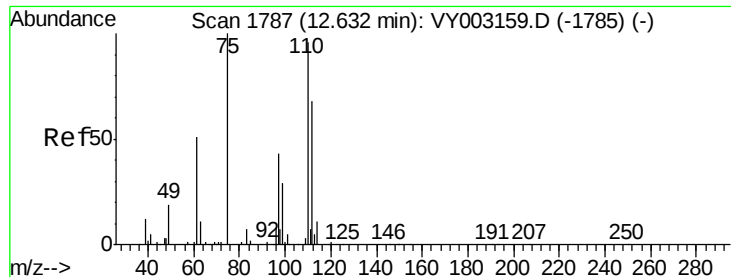
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.0	63.0
119	32.6	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003248.D
Acq: 20 Jul 2020 21:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	26.9	80.7
150	156.1	0.0	338.0





#76

1,2,3-Trichloropropane

Concen: 57.844 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003248.D

Acq: 20 Jul 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

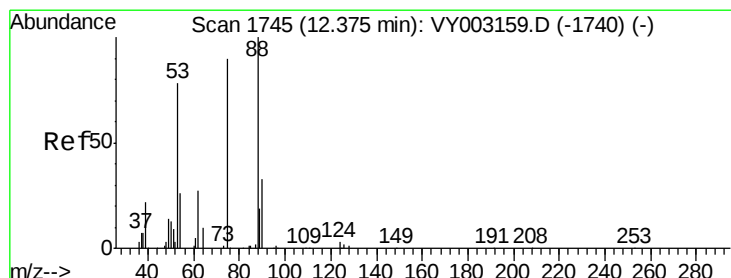
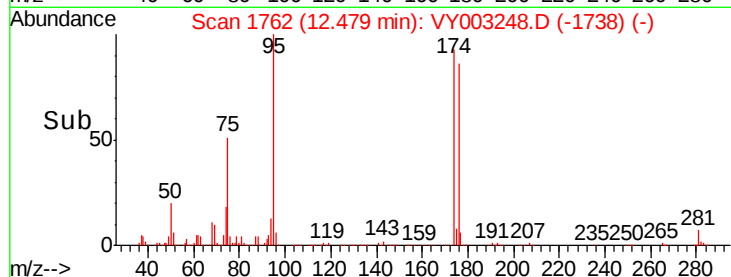
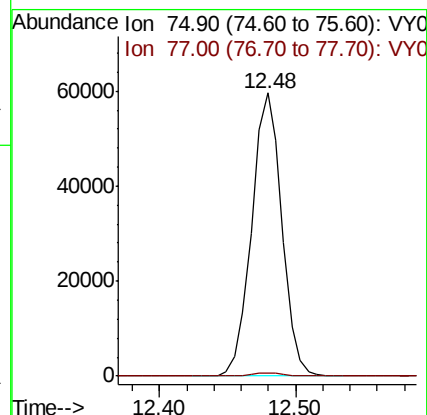
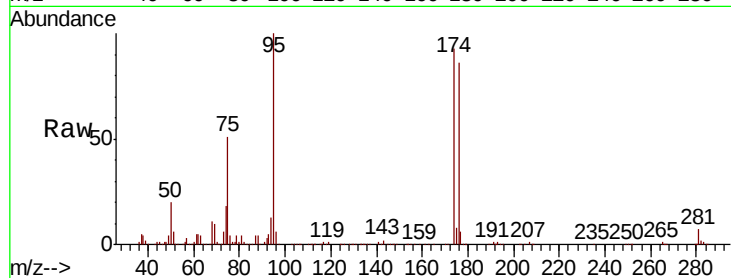
22

Tot Ion: 75 Resp: 92511

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.576 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003248.D

Acq: 20 Jul 2020 21:34

Tgt Ion: 75 Resp: 92511

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.1 37.3 55.9#

