

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003247.D
 Acq On : 20 Jul 2020 21:11
 Operator : SY/MD
 Sample : L3308-21
 Misc : 5.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 21

Quant Time: Jul 21 03:21:17 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	342615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	517539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	424747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	169134	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	196968	68.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	136.22%	
35) Dibromofluoromethane	7.72	113	175581	58.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	117.90%	
50) Toluene-d8	10.18	98	609744	55.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.14%	
62) 4-Bromofluorobenzene	12.48	95	169482	42.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.74%	

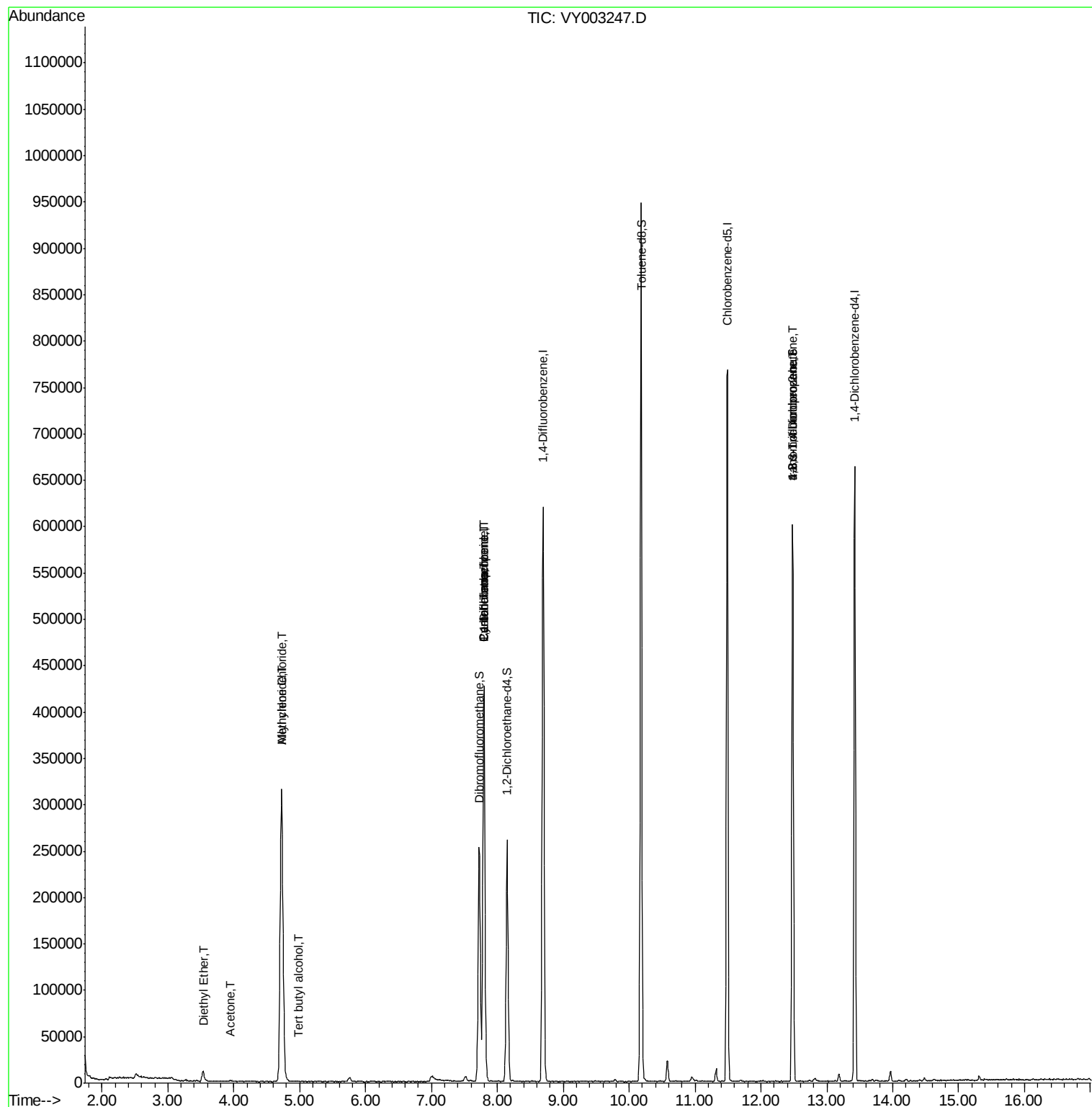
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	5998	3.586	ug/l	82
11) Tert butyl alcohol	4.97	59	407	1.302	ug/l #	72
14) Allyl chloride	4.73	41	9597	2.269	ug/l #	22
16) Acetone	3.96	43	2401	3.717	ug/l	97
20) Methylene Chloride	4.72	84	236867	75.708	ug/l	94
31) Cyclohexane	7.79	56	6872	1.307	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	24679	5.261	ug/l #	50
38) Carbon Tetrachloride	7.80	117	31572	6.520	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	88887	59.372	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88887	115.549	ug/l #	13

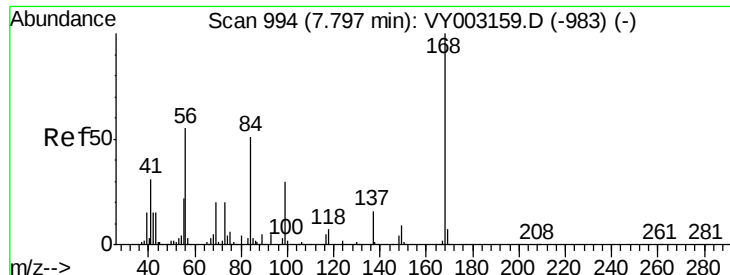
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
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QLast Update : Fri Jul 10 13:18:03 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: VY003247.D

Acq: 20 Jul 2020 21:11

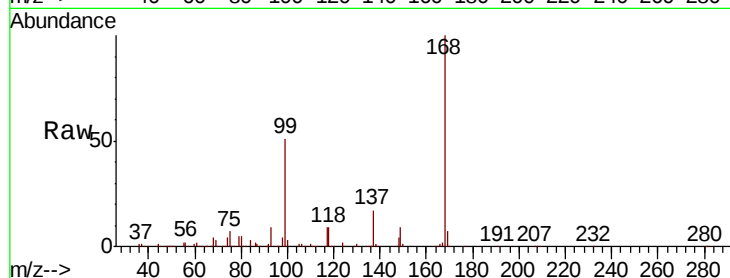
Instrument :
MSVOA_Y
ClientSampleId :
21

Tot Ion:168 Resp: 342615

Ion Ratio Lower Upper

168 100

99 50.6 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

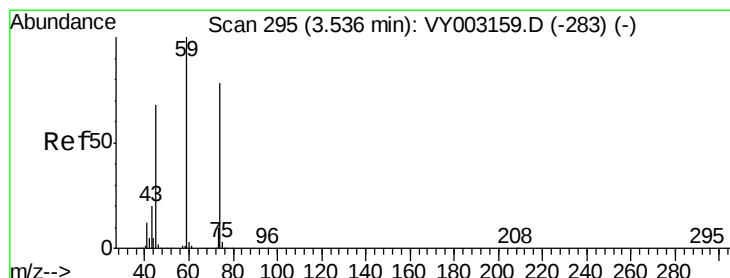
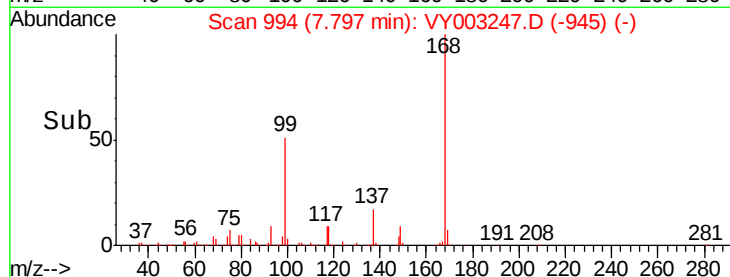
100000

50000

0

7.70 7.80 7.90

Time-->



#8

Diethyl Ether

Concen: 3.586 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY003247.D

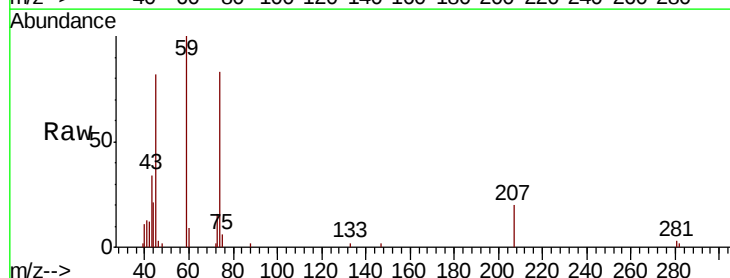
Acq: 20 Jul 2020 21:11

Tgt Ion: 74 Resp: 5998

Ion Ratio Lower Upper

74 100

45 107.4 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

3000

2500

2000

1500

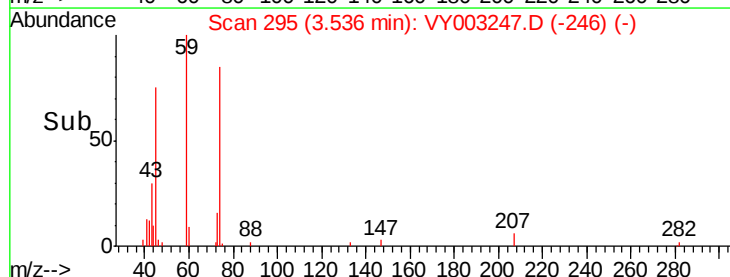
1000

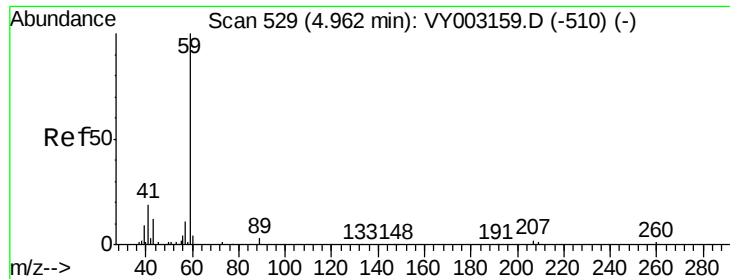
500

0

3.45 3.50 3.55 3.60 3.65

Time-->

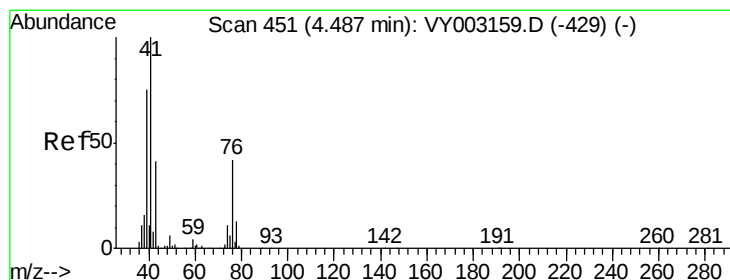
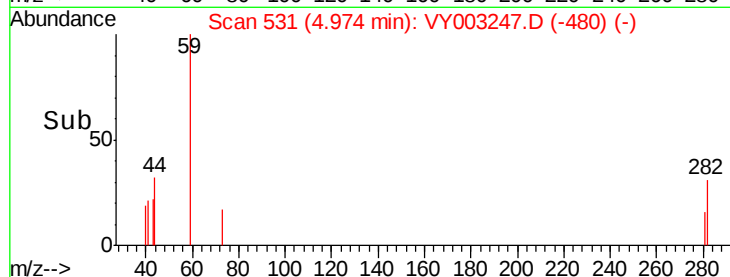
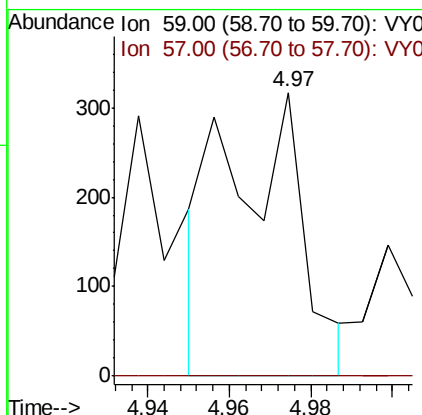
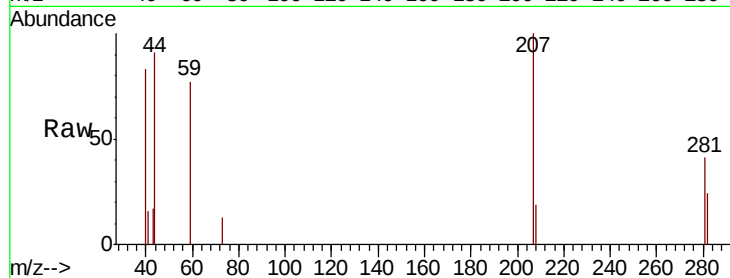




#11
Tert butyl alcohol
Concen: 1.302 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY003247.D
Acq: 20 Jul 2020 21:11

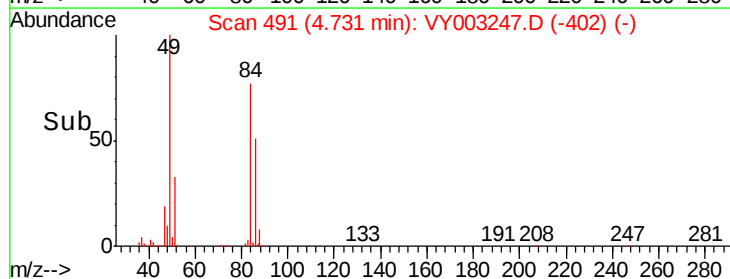
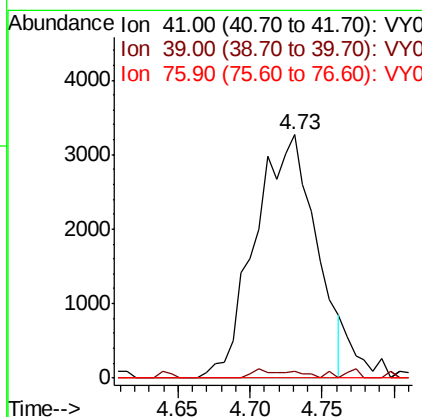
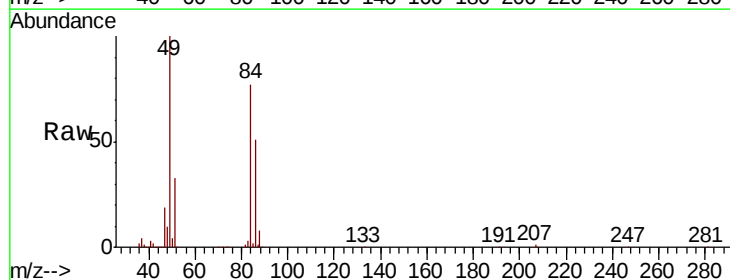
Instrument :
MSVOA_Y
ClientSampleId :
21

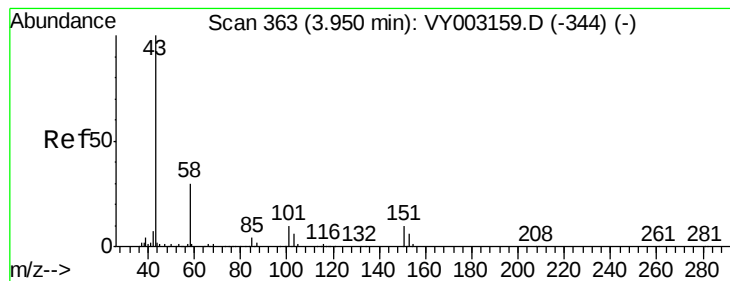
Tot Ion: 59 Resp: 407
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#14
Allyl chloride
Concen: 2.269 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.24 min
Lab File: VY003247.D
Acq: 20 Jul 2020 21:11

Tgt Ion: 41 Resp: 9597
Ion Ratio Lower Upper
41 100
39 0.0 56.6 85.0#
76 0.0 31.6 47.4#





#16

Acetone

Concen: 3.717 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003247.D

Acq: 20 Jul 2020 21:11

Instrument :

MSVOA_Y

ClientSampleId :

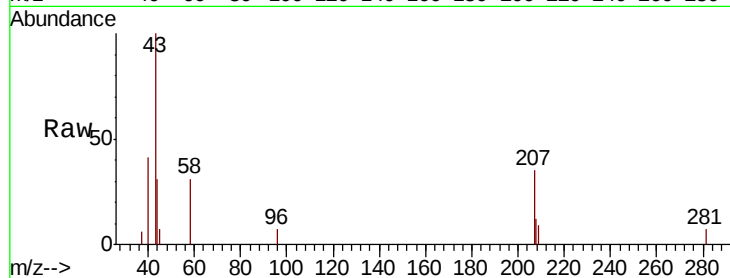
21

Tot Ion: 43 Resp: 2401

Ion Ratio Lower Upper

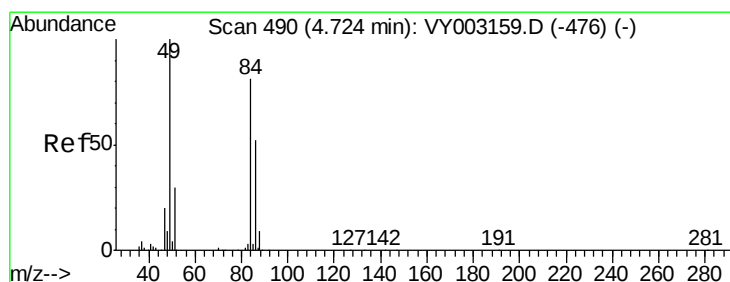
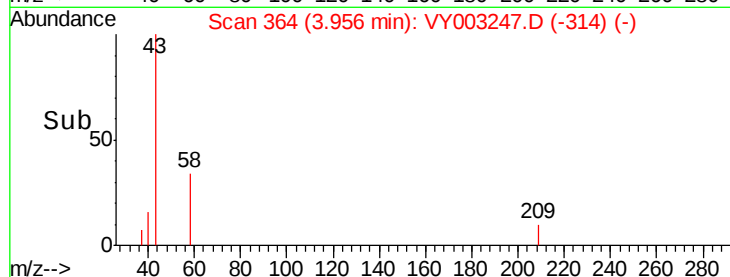
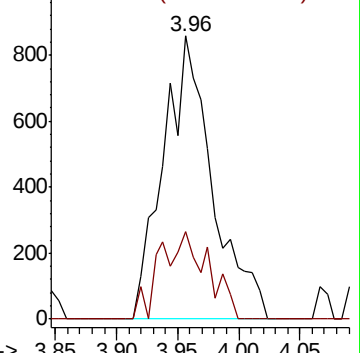
43 100

58 31.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 75.708 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003247.D

Acq: 20 Jul 2020 21:11

Tgt Ion: 84 Resp: 236867

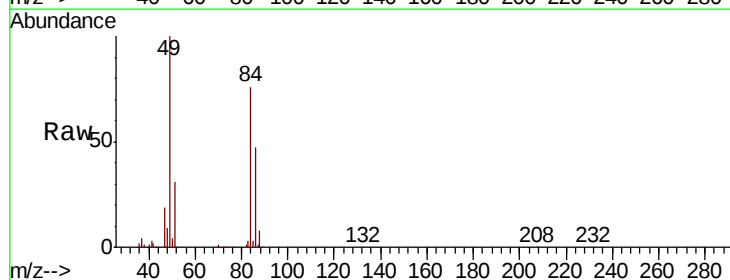
Ion Ratio Lower Upper

84 100

49 131.8 98.2 147.4

51 40.9 29.8 44.6

86 62.4 51.2 76.8

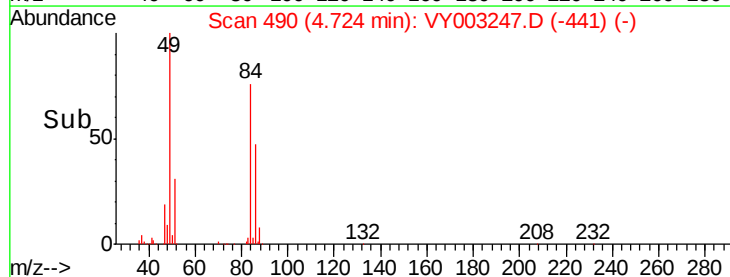
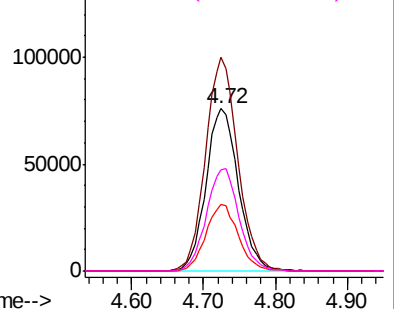


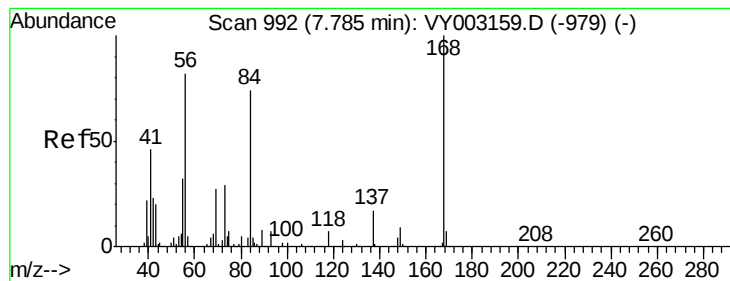
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.307 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003247.D

Acq: 20 Jul 2020 21:11

Instrument :
MSVOA_Y
ClientSampleId :
21

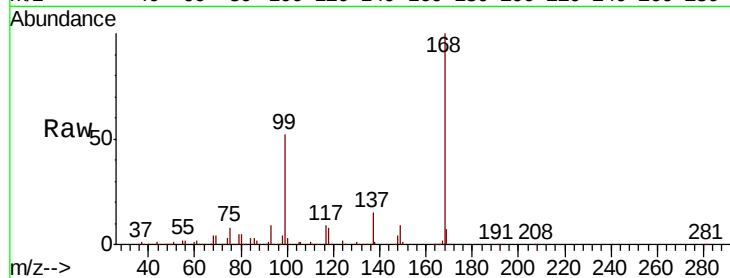
Tot Ion: 56 Resp: 6872

Ion Ratio Lower Upper

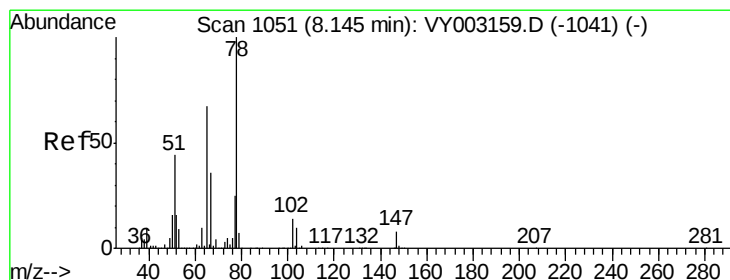
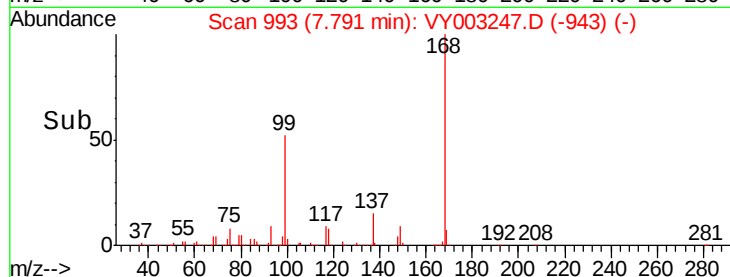
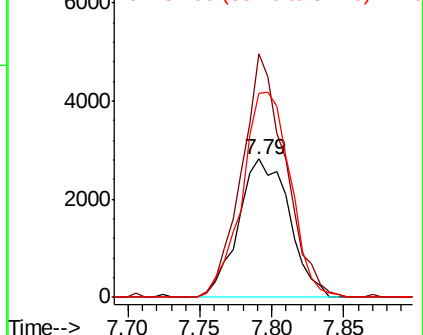
56 100

69 176.1 26.7 40.1#

84 147.9 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: 68.113 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003247.D

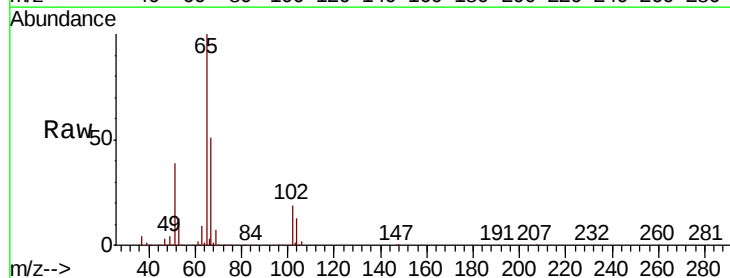
Acq: 20 Jul 2020 21:11

Tgt Ion: 65 Resp: 196968

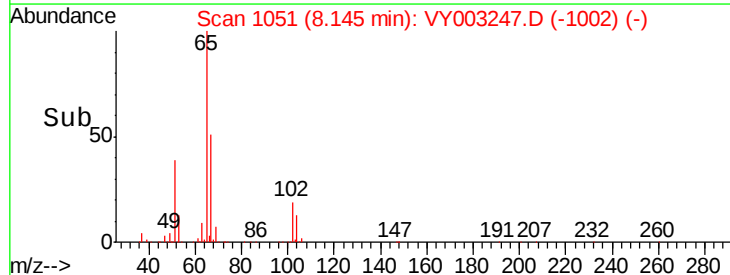
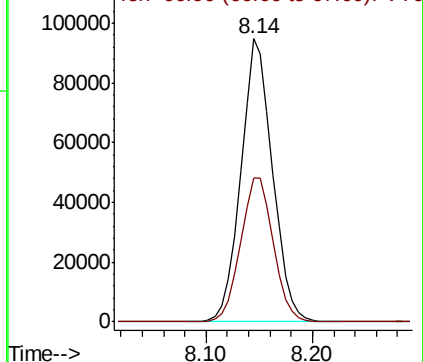
Ion Ratio Lower Upper

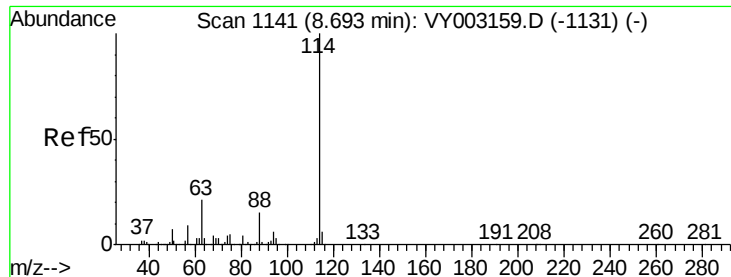
65 100

67 53.0 0.0 105.2



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

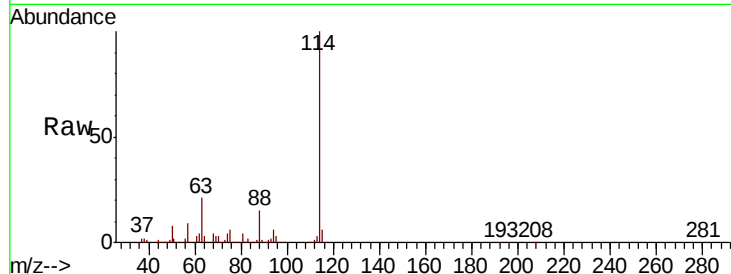




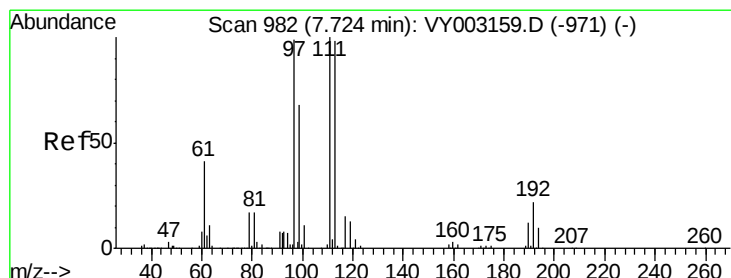
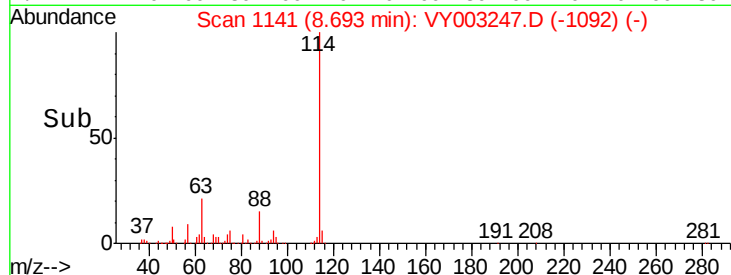
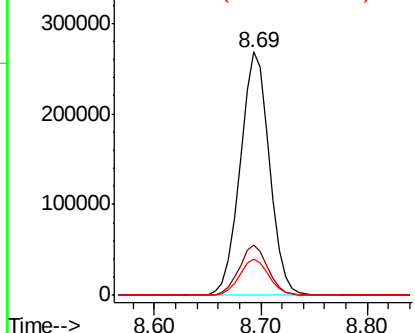
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VY003247.D
Acq: 20 Jul 2020 21:11

Instrument :
MSVOA_Y
ClientSampleId :
21

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.2
88	14.9	0.0	30.2

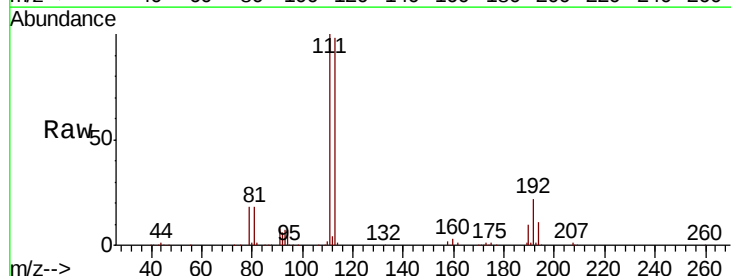


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

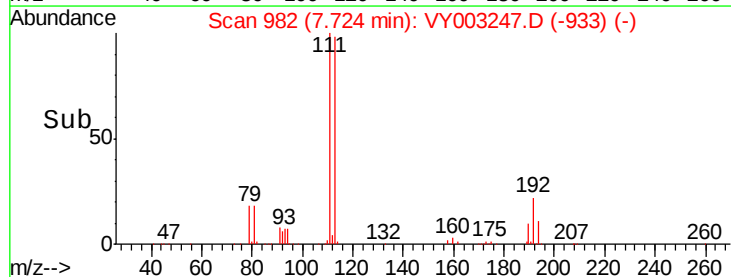
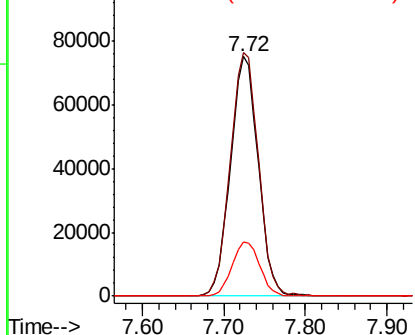


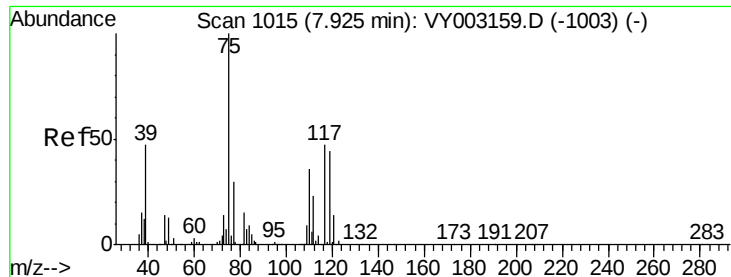
#35
Dibromofluoromethane
Concen: 58.953 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY003247.D
Acq: 20 Jul 2020 21:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.1	123.1
192	22.7	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

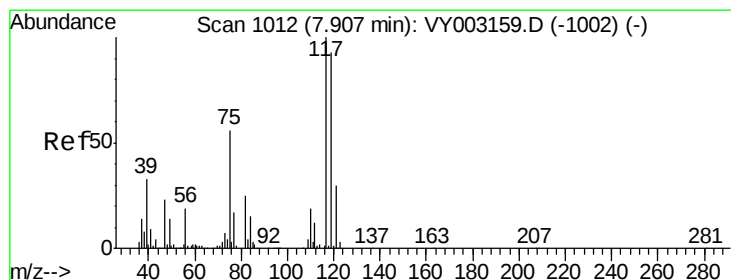
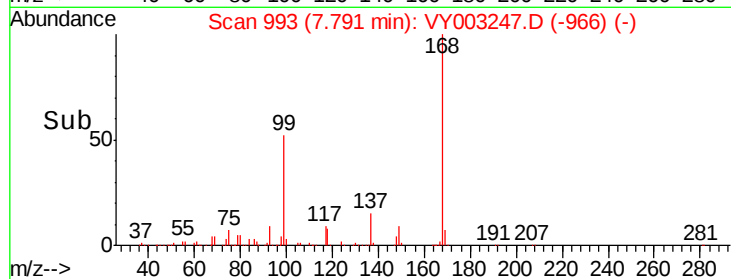
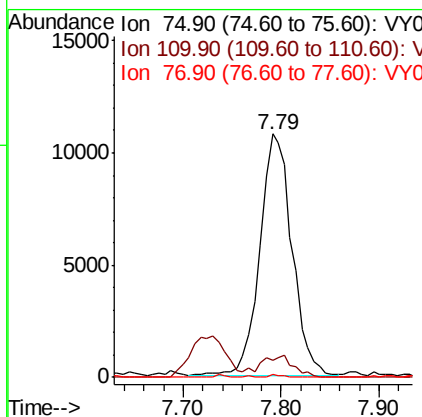
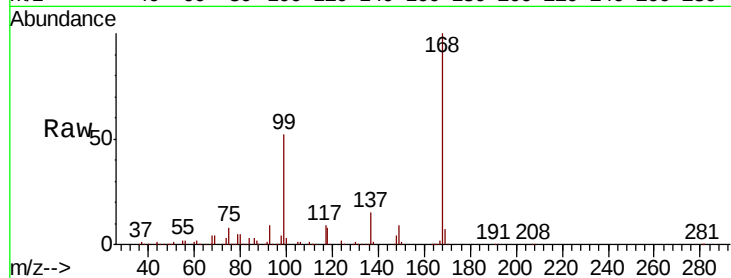




#36
 1,1-Dichloropropene
 Concen: 5.261 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003247.D
 Acq: 20 Jul 2020 21:11

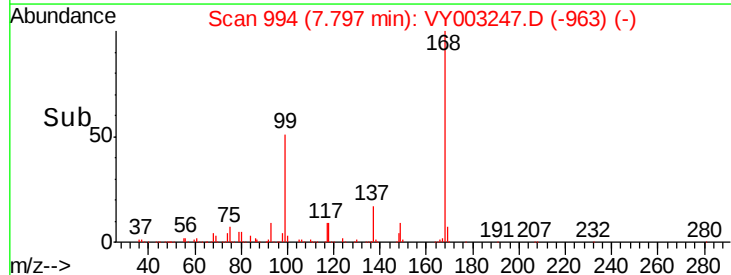
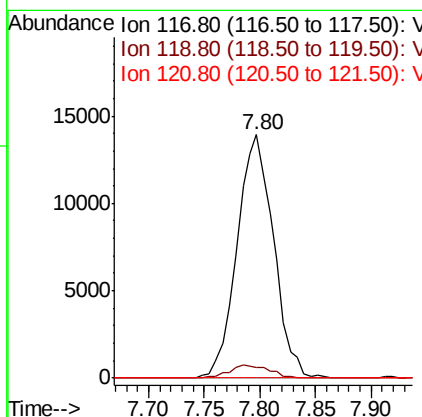
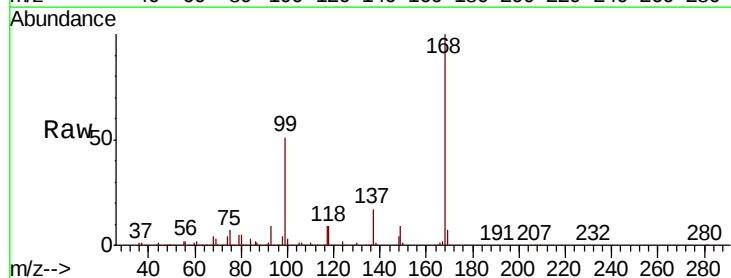
Instrument :
 MSVOA_Y
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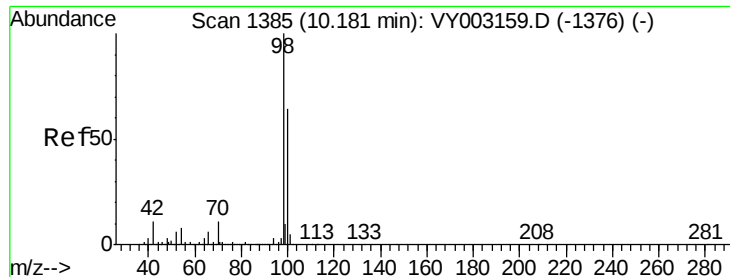
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.1#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.520 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003247.D
 Acq: 20 Jul 2020 21:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	74.5	111.7#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 55.066 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003247.D

Acq: 20 Jul 2020 21:11

Instrument :

MSVOA_Y

ClientSampleId :

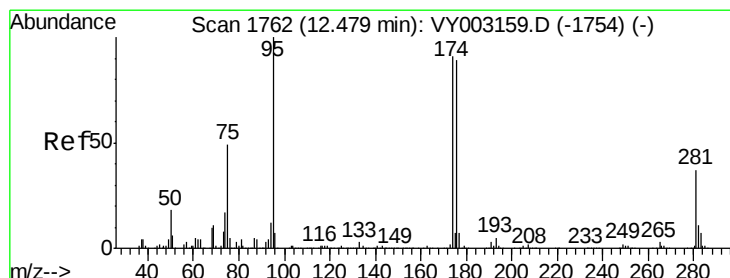
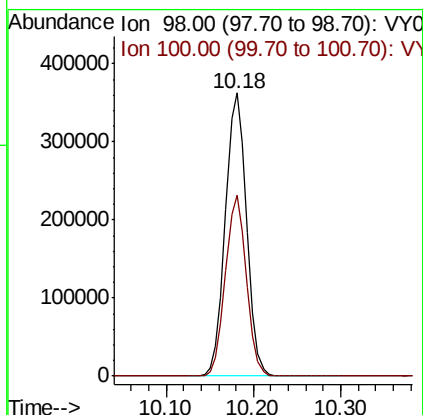
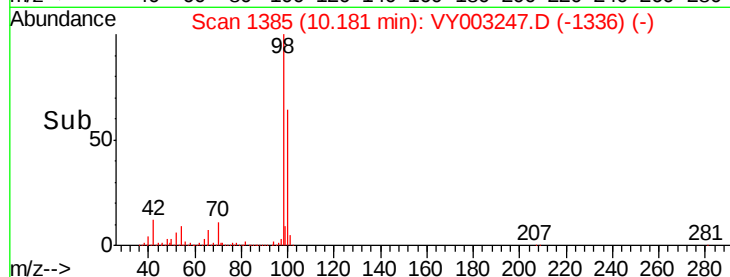
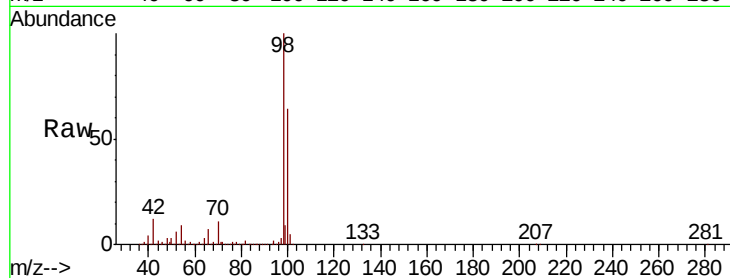
21

Tot Ion: 98 Resp: 609744

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 42.368 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003247.D

Acq: 20 Jul 2020 21:11

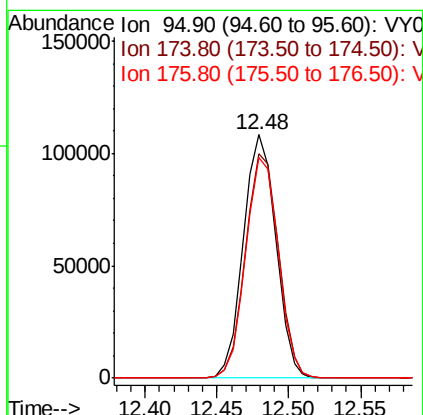
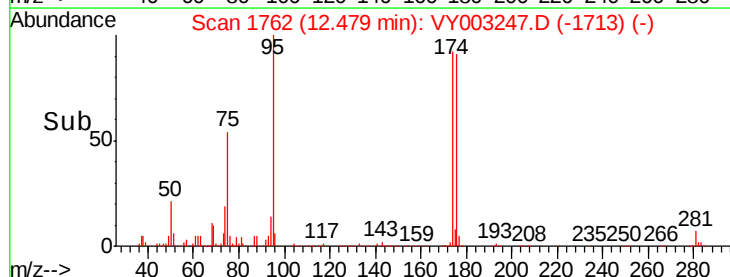
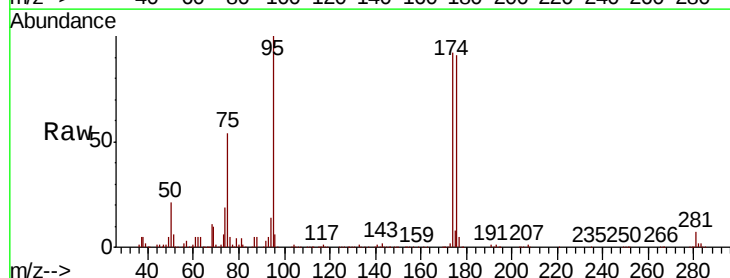
Tgt Ion: 95 Resp: 169482

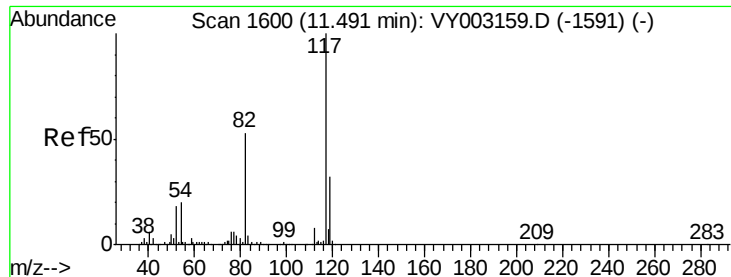
Ion Ratio Lower Upper

95 100

174 93.5 0.0 190.6

176 91.1 0.0 186.4

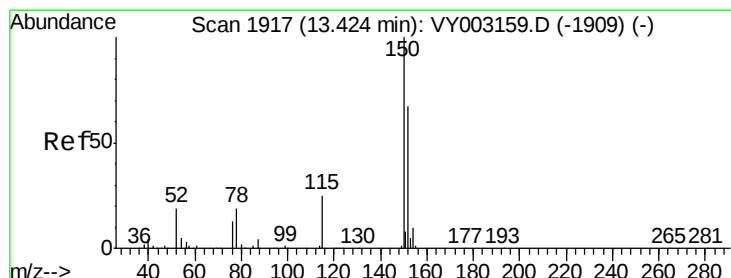
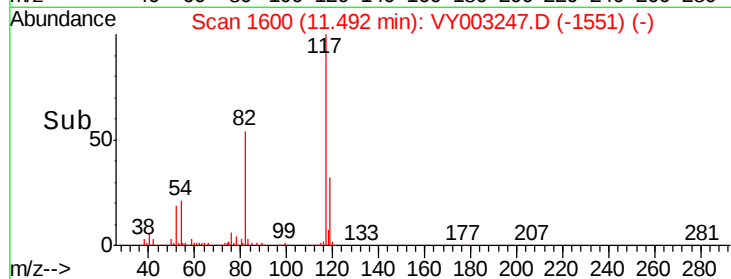
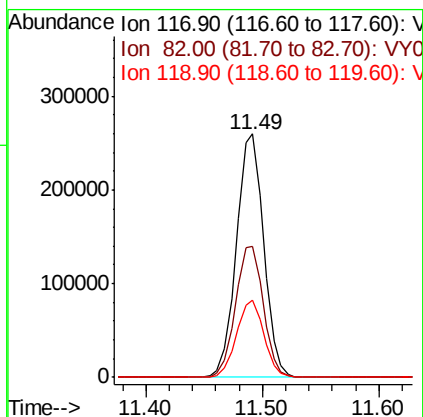
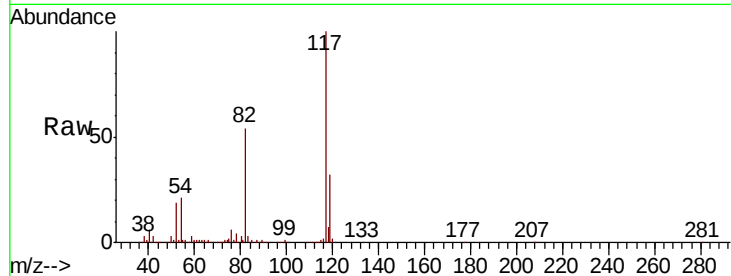




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003247.D
Acq: 20 Jul 2020 21:11

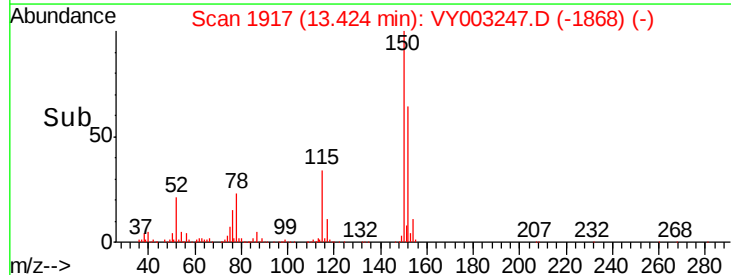
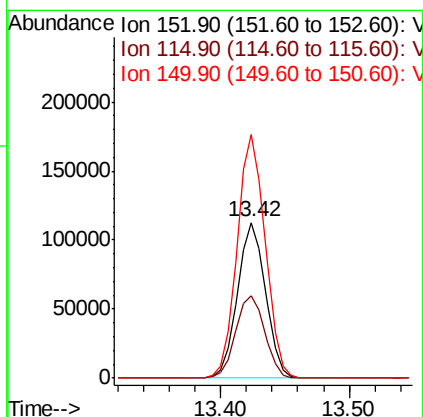
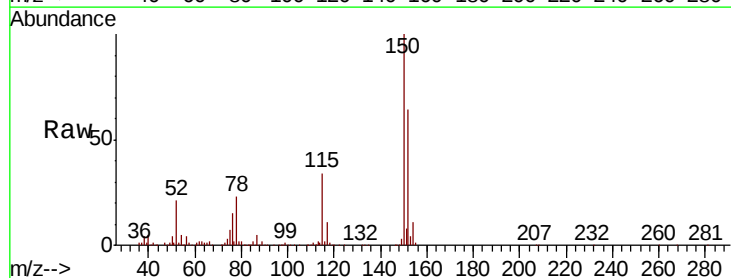
Instrument :
MSVOA_Y
ClientSampleId :
21

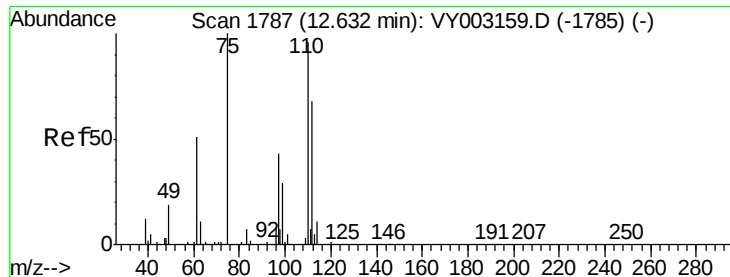
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.0	63.0
119	31.7	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003247.D
Acq: 20 Jul 2020 21:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	26.9	80.7
150	157.3	0.0	338.0





#76

1,2,3-Trichloropropane

Concen: 59.372 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003247.D

Acq: 20 Jul 2020 21:11

Instrument :

MSVOA_Y

ClientSampleId :

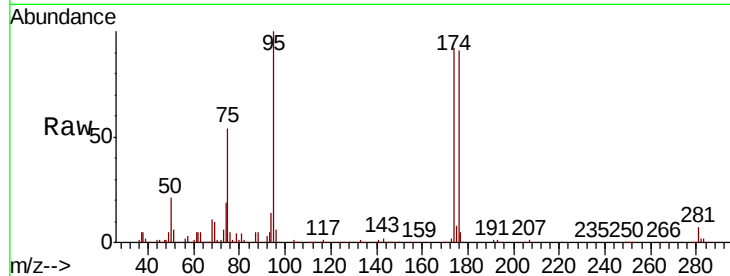
21

Tot Ion: 75 Resp: 88887

Ion Ratio Lower Upper

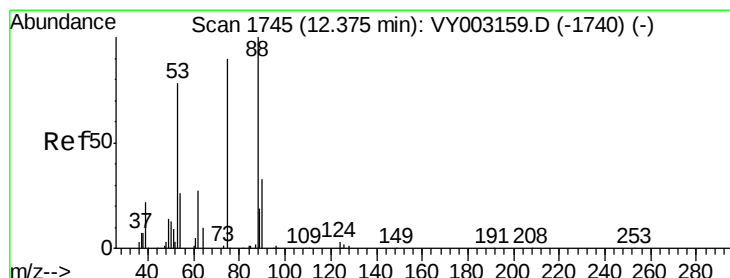
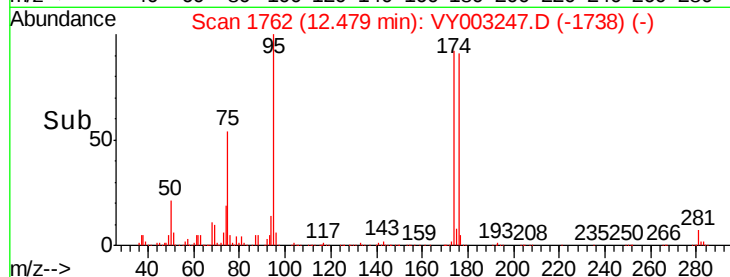
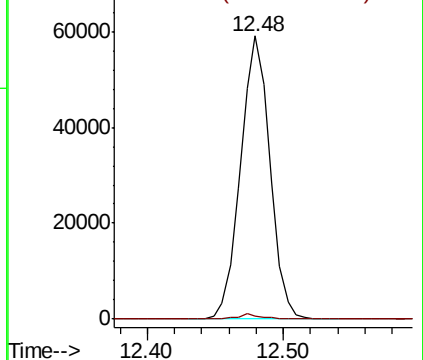
75 100

77 1.6 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: 115.549 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003247.D

Acq: 20 Jul 2020 21:11

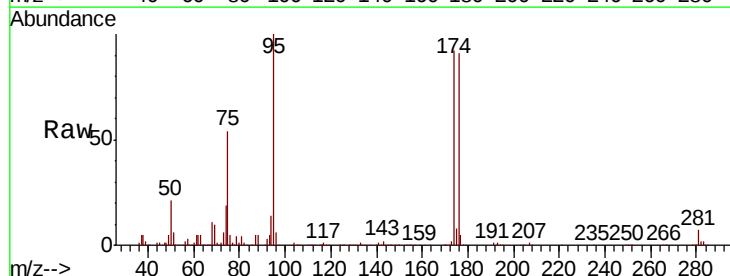
Tgt Ion: 75 Resp: 88887

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

