

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
 Data File : VY002787.D
 Acq On : 28 May 2020 12:57
 Operator : SY/MD
 Sample : L2790-06
 Misc : 7.51G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 28 16:47:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	247499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	397437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	369871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	188594	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	122509	57.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.02%	
35) Dibromofluoromethane	7.72	113	121636	52.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.44%	
50) Toluene-d8	10.18	98	467667	49.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.48	95	155204	48.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.44%	

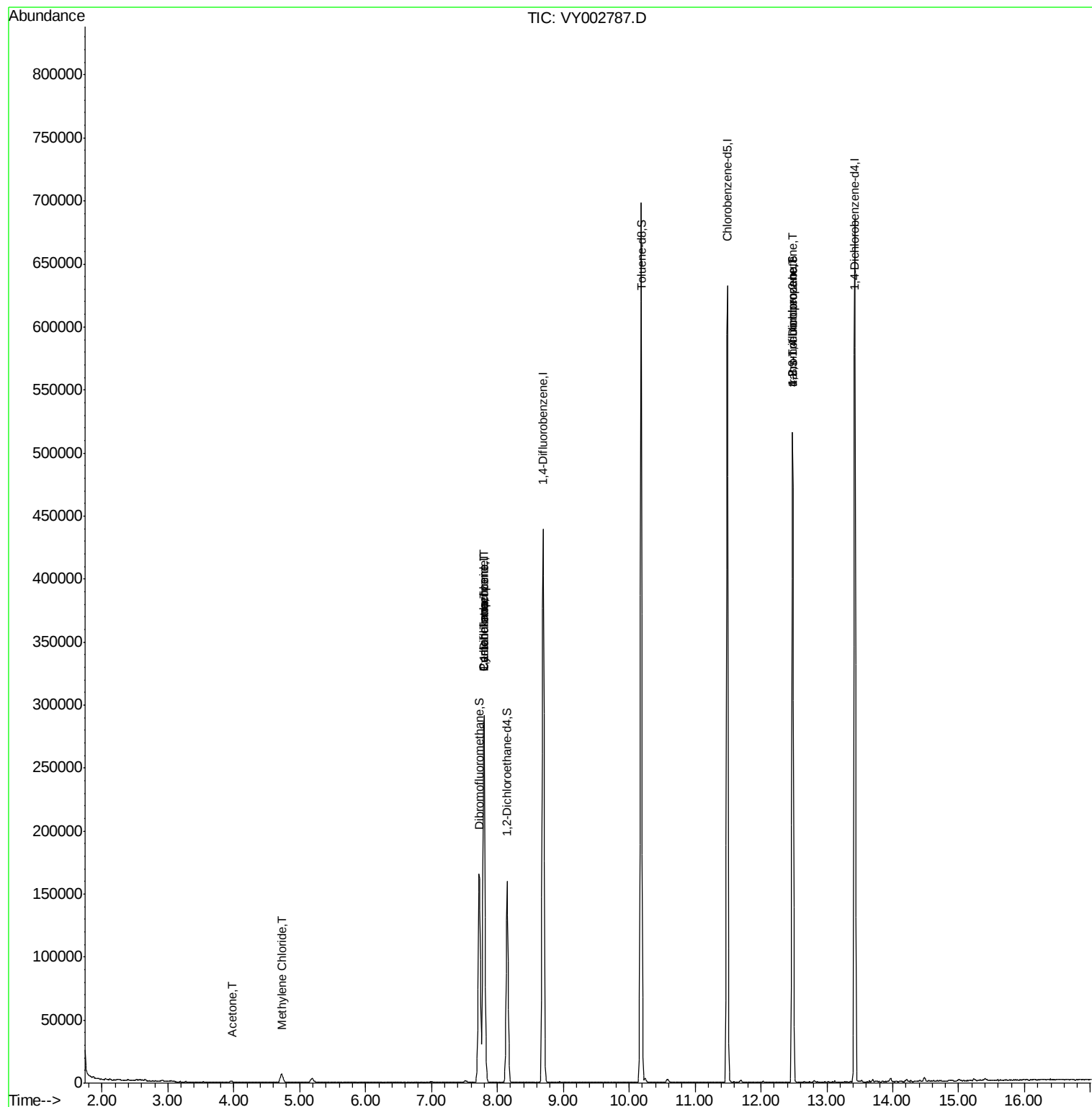
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	20	Below Cal	#	74
16) Acetone	3.96	43	1875	3.721	ug/l #	85
18) Methyl Acetate	4.50	43	444	Below Cal	#	48
20) Methylene Chloride	4.73	84	5067	2.058	ug/l	92
31) Cyclohexane	7.79	56	3857	1.058	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	14931	4.460	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22248	5.982	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	75399	44.369	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	75399	83.591	ug/l #	17

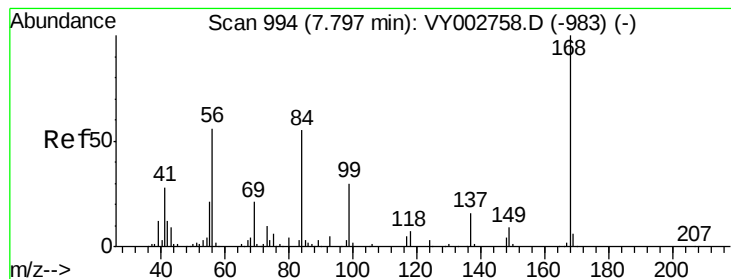
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002787.D

Acq: 28 May 2020 12:57

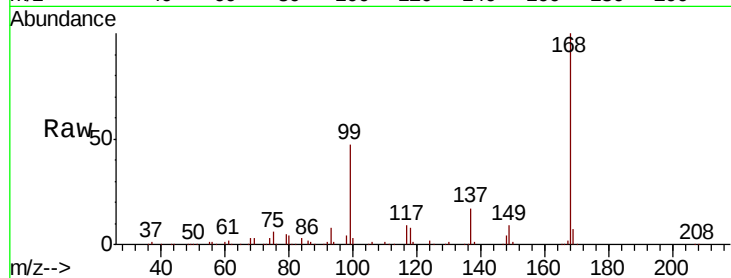
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 247499

Ion Ratio Lower Upper

168 100

99 46.9 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

120000

100000

80000

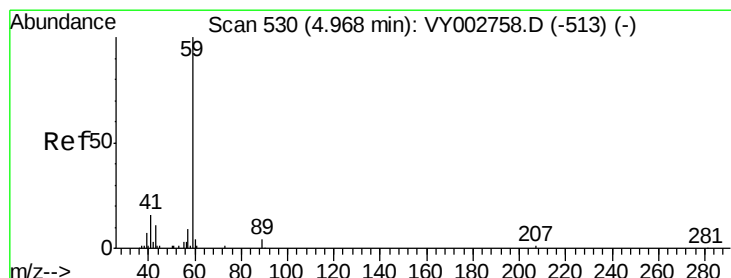
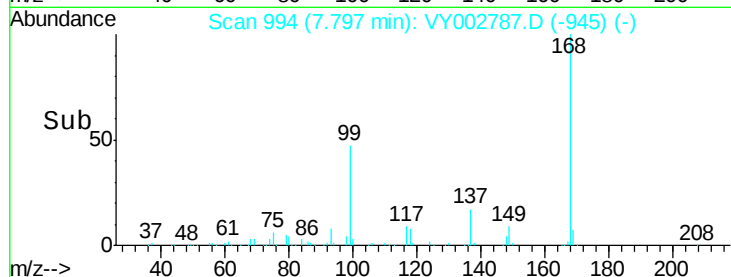
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.02 min

Lab File: VY002787.D

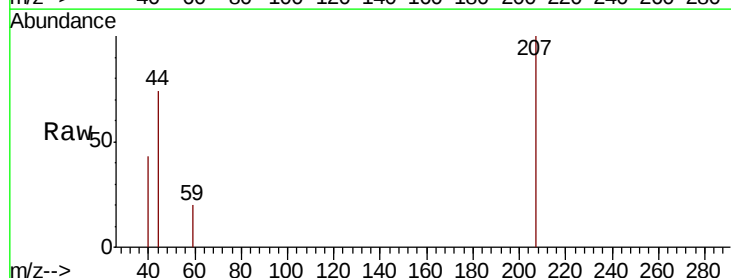
Acq: 28 May 2020 12:57

Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002758.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002758.D (-513) (-)

4.99

60

50

40

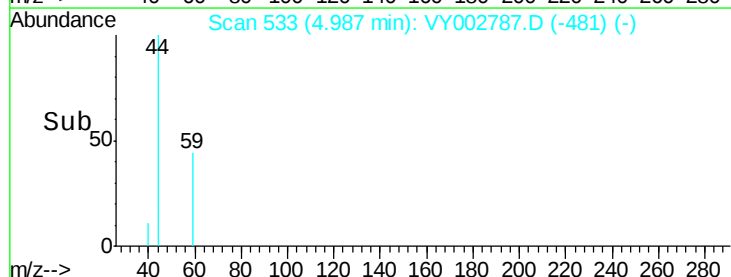
30

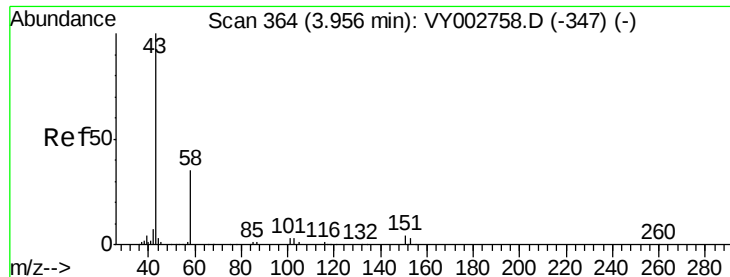
20

10

0

Time-->





#16

Acetone

Concen: 3.721 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002787.D

Acq: 28 May 2020 12:57

Instrument :

MSVOA_Y

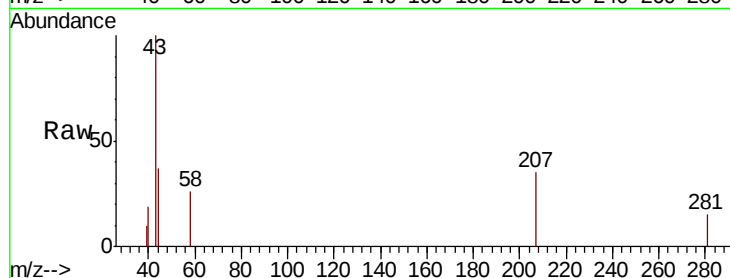
ClientSampleId :

Tot Ion: 43 Resp: 1875

Ion Ratio Lower Upper

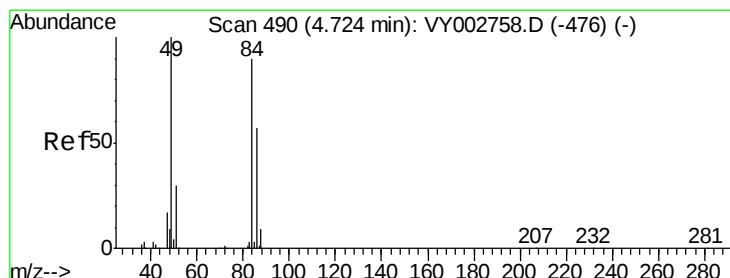
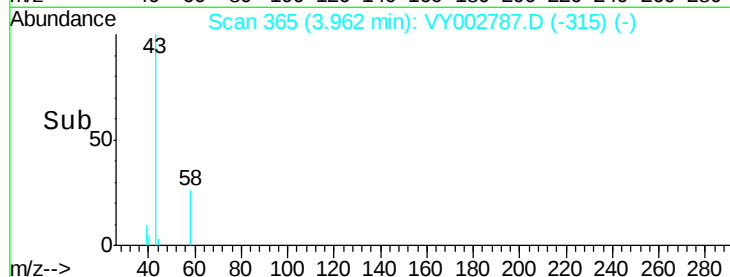
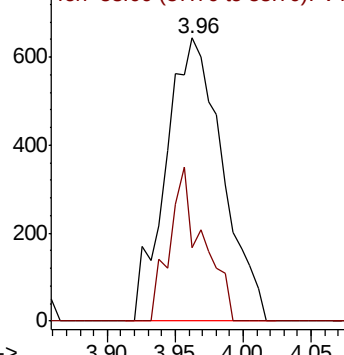
43 100

58 26.1 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.058 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002787.D

Acq: 28 May 2020 12:57

Tgt Ion: 84 Resp: 5067

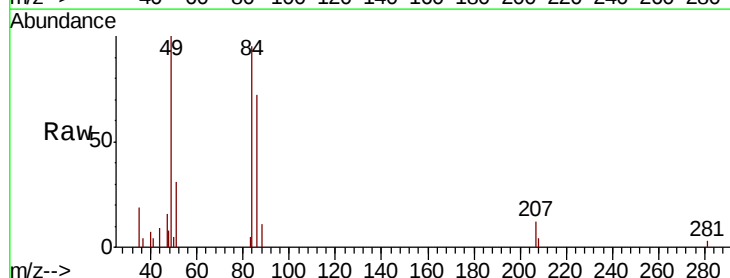
Ion Ratio Lower Upper

84 100

49 105.2 88.5 132.7

51 32.1 26.8 40.2

86 75.8 50.6 75.8

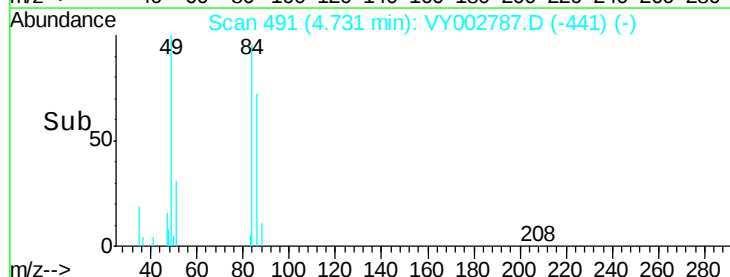
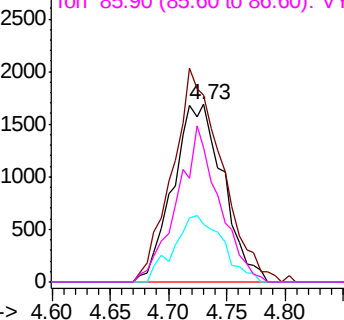


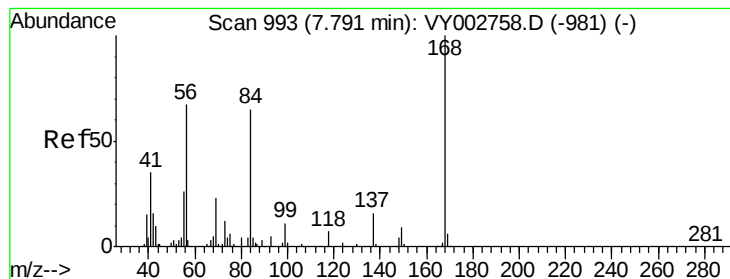
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.058 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002787.D

Acq: 28 May 2020 12:57

Instrument :

MSVOA_Y

ClientSampled :

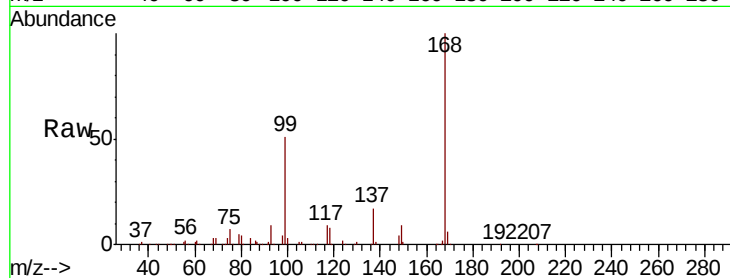
Tot Ion: 56 Resp: 3857

Ion Ratio Lower Upper

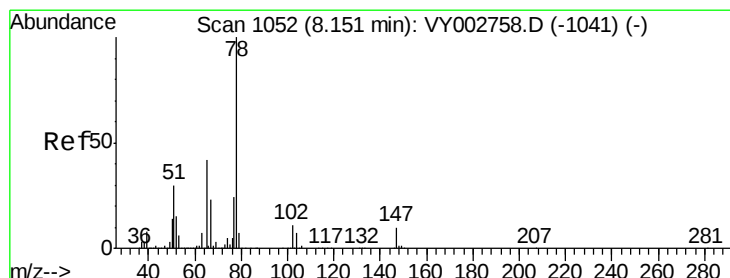
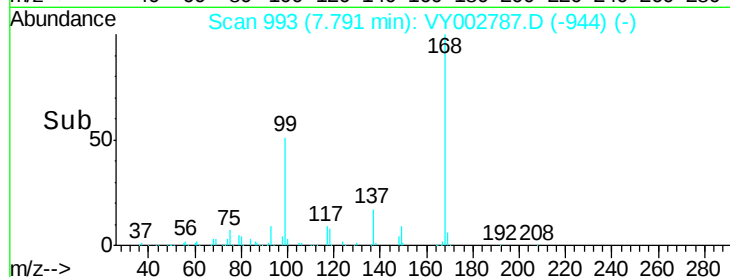
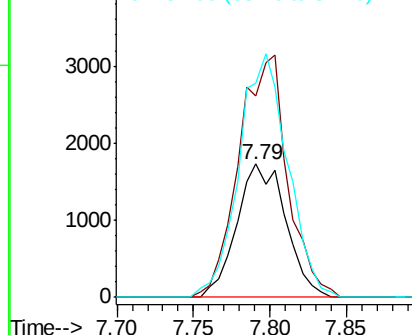
56 100

69 151.4 28.0 42.0#

84 160.9 77.7 116.5#



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: 57.008 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002787.D

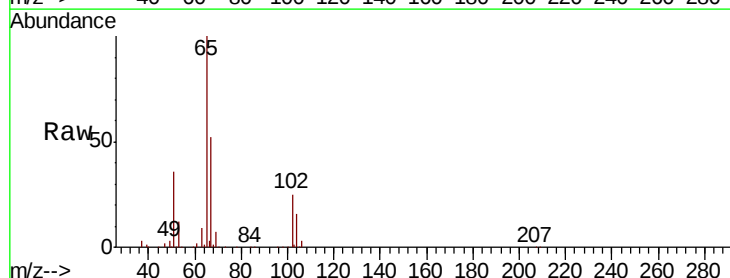
Acq: 28 May 2020 12:57

Tgt Ion: 65 Resp: 122509

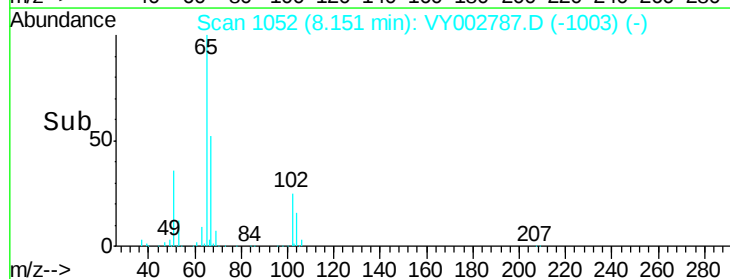
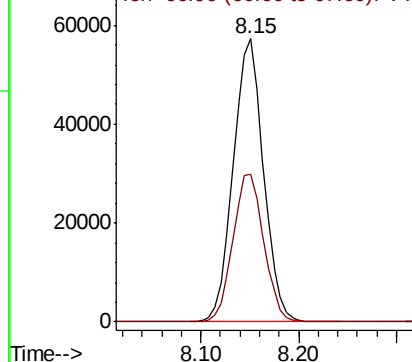
Ion Ratio Lower Upper

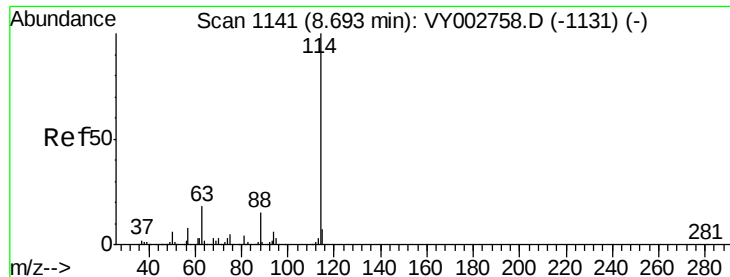
65 100

67 53.4 0.0 111.0



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

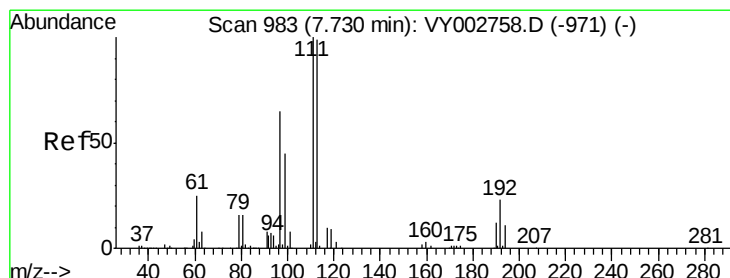
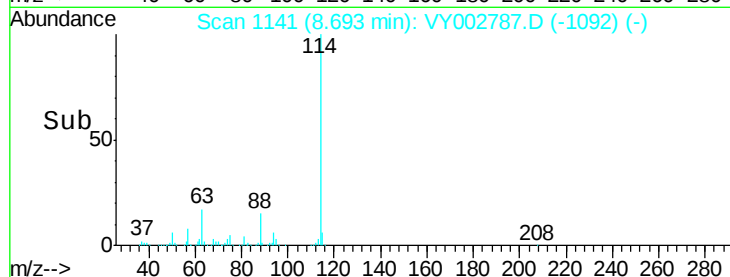
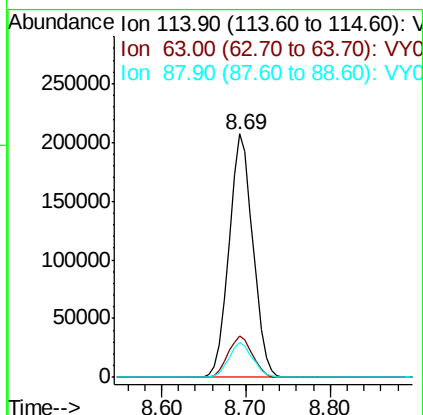
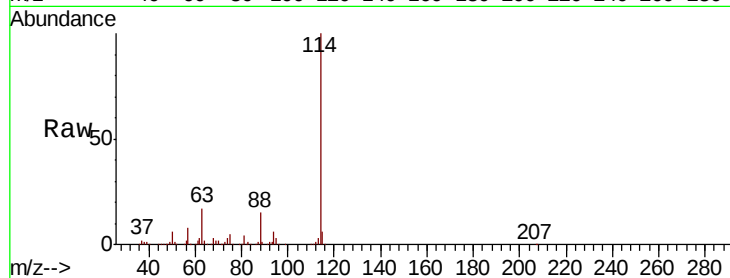




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002787.D
 Acq: 28 May 2020 12:57

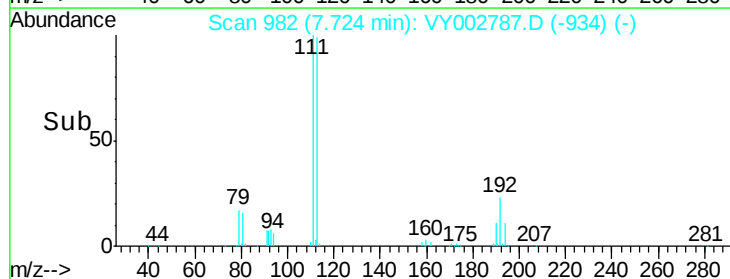
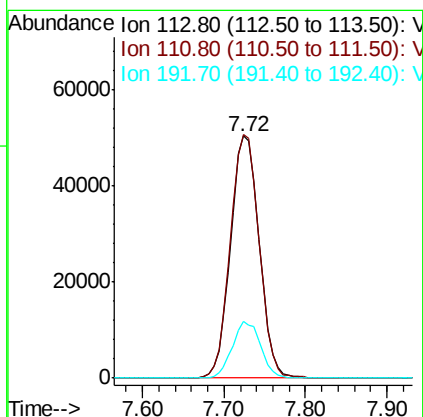
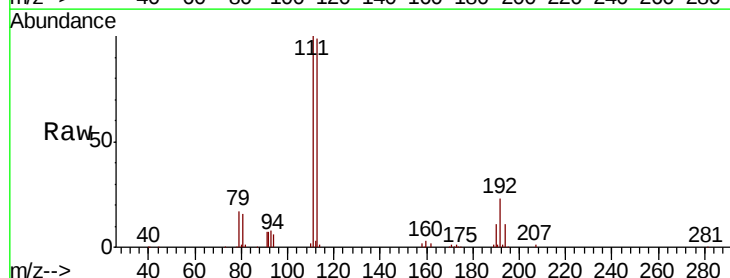
Instrument :
 MSVOA_Y
 ClientSampleId :

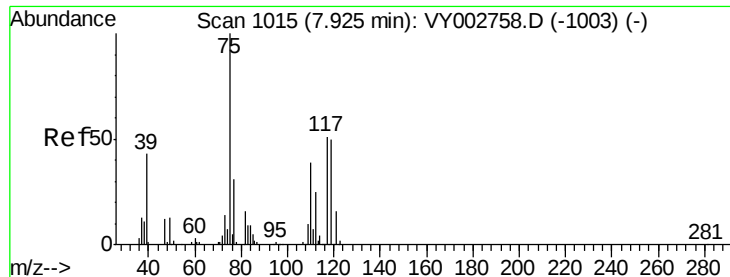
Tot Ion:114	Resp:	397437
Ion Ratio	Lower	Upper
114 100		
63 17.0	0.0	35.2
88 14.5	0.0	29.2



#35
 Dibromofluoromethane
 Concen: 52.223 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002787.D
 Acq: 28 May 2020 12:57

Tgt Ion:113	Resp:	121636
Ion Ratio	Lower	Upper
113 100		
111 100.9	82.0	123.0
192 23.2	18.9	28.3

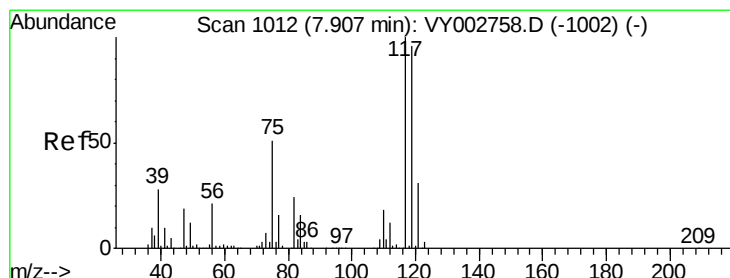
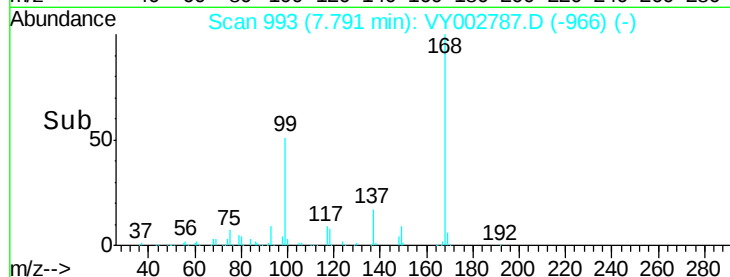
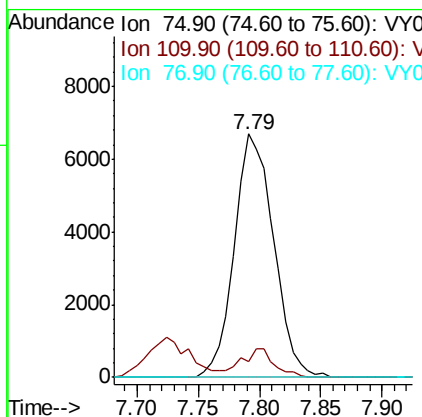
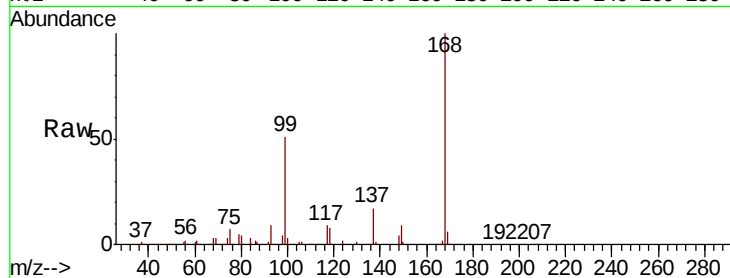




#36
 1,1-Dichloropropene
 Concen: 4.460 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY002787.D
 Acq: 28 May 2020 12:57

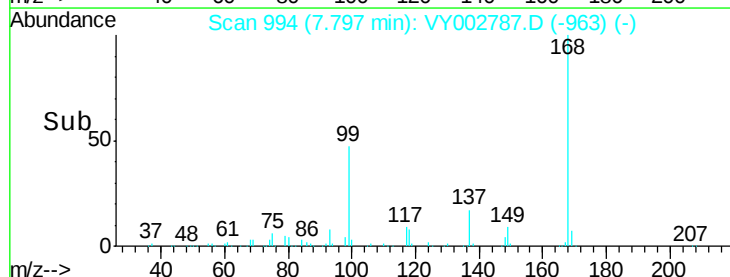
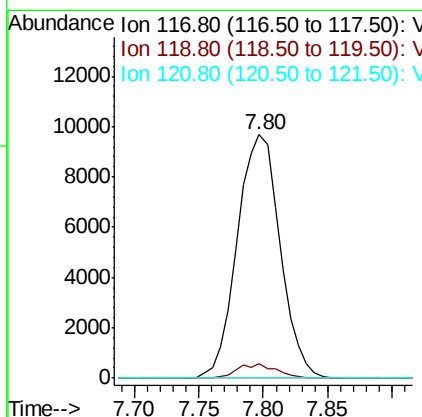
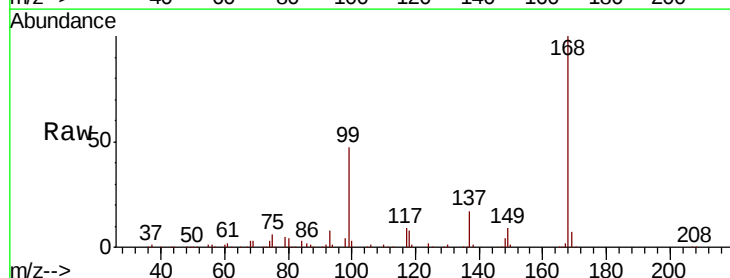
Instrument :
 MSVOA_Y
 ClientSampleId :

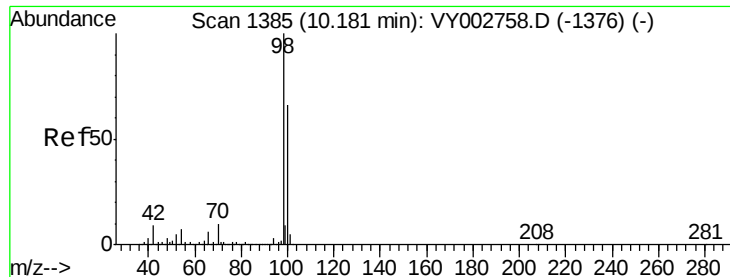
Tot Ion	75	110	77	Resp	Lower	Upper
14931	100	9.6	0.0		19.3	57.9#
					24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.982 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002787.D
 Acq: 28 May 2020 12:57

Tgt Ion	117	119	121	Resp	Lower	Upper
22248	100	5.9	0.0		76.8	115.2#
					24.8	37.2#





#50

Toluene-d8

Concen: 49.659 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002787.D

Acq: 28 May 2020 12:57

Instrument :

MSVOA_Y

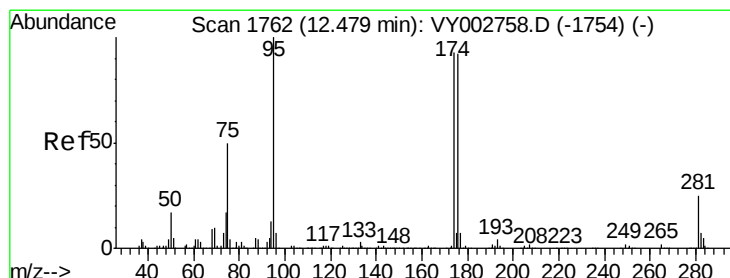
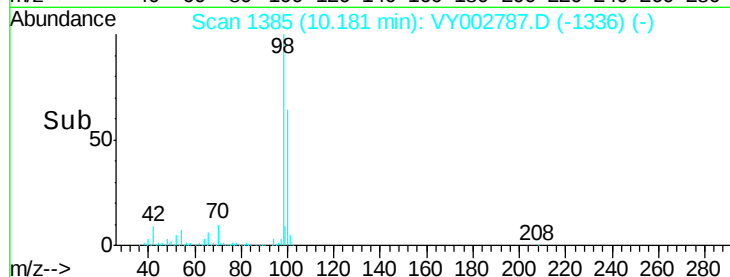
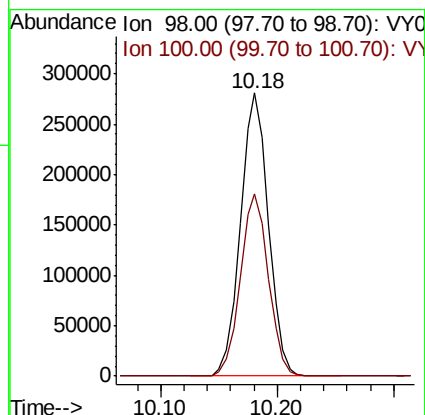
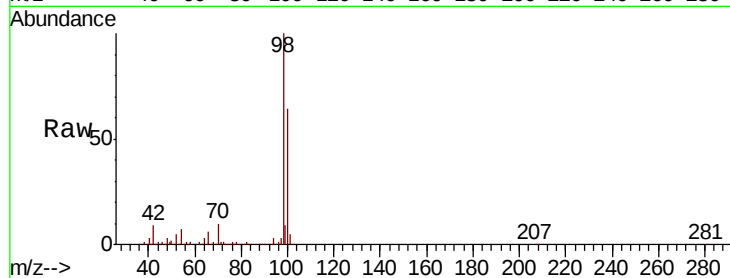
ClientSampleId :

Tot Ion: 98 Resp: 467667

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.223 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002787.D

Acq: 28 May 2020 12:57

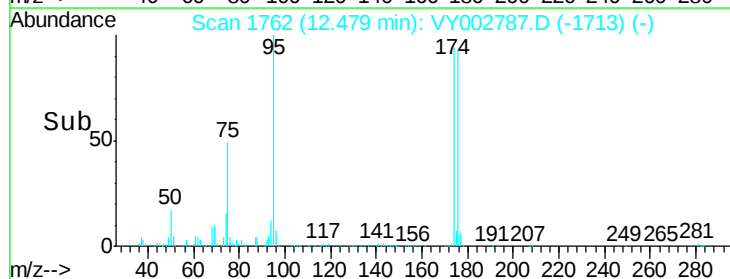
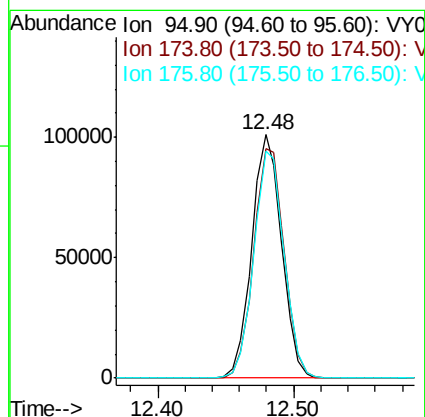
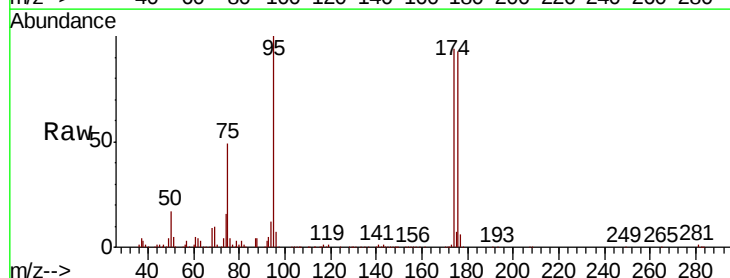
Tgt Ion: 95 Resp: 155204

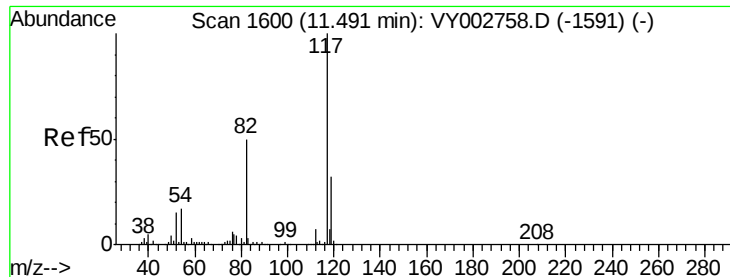
Ion Ratio Lower Upper

95 100

174 96.3 0.0 191.2

176 94.9 0.0 188.8

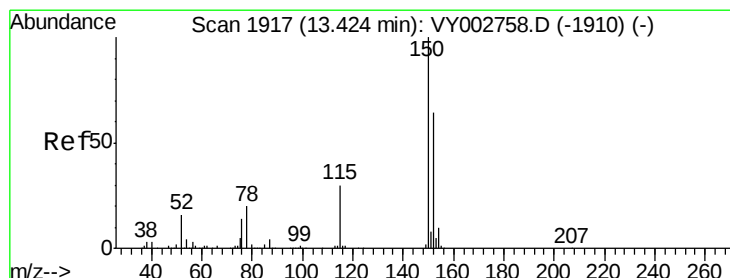
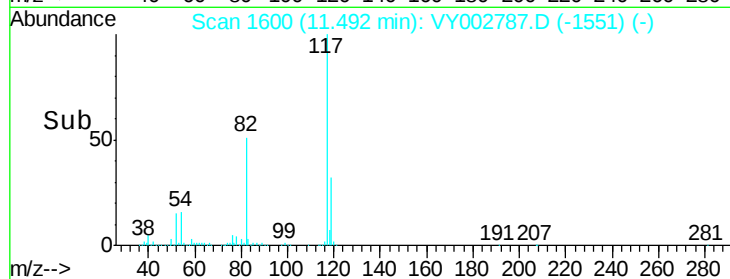
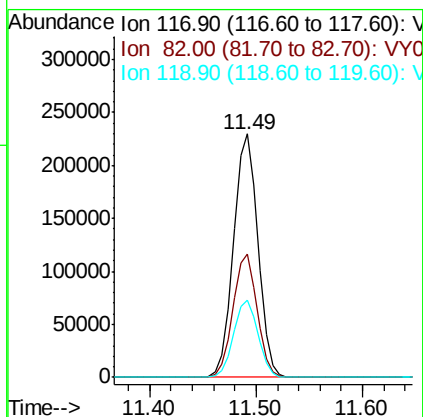
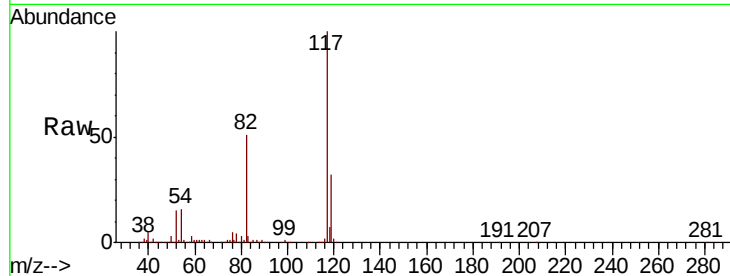




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002787.D
Acq: 28 May 2020 12:57

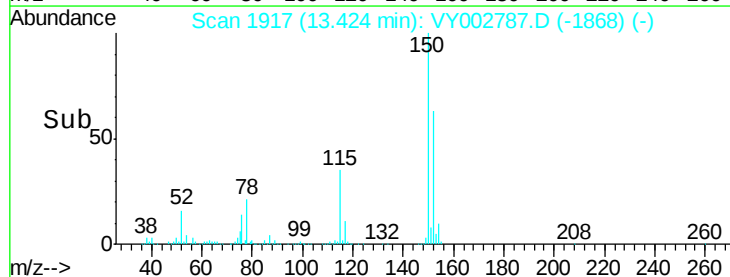
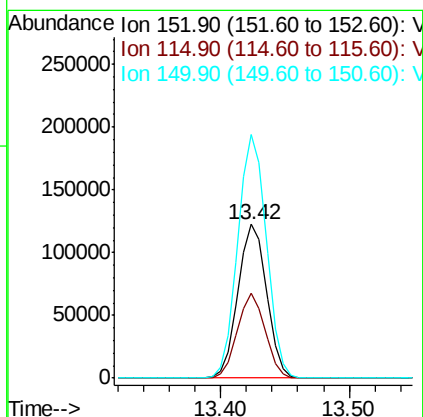
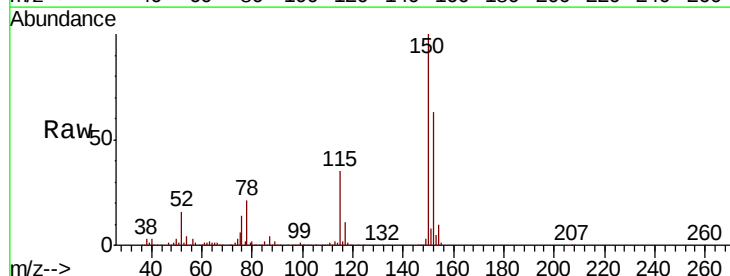
Instrument :
MSVOA_Y
ClientSampleId :

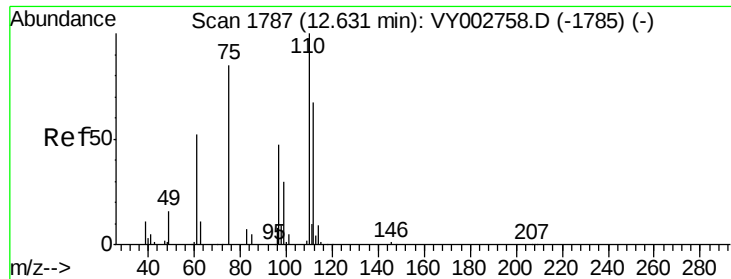
Tot Ion:117 Resp: 369871
Ion Ratio Lower Upper
117 100
82 50.5 40.2 60.4
119 31.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002787.D
Acq: 28 May 2020 12:57

Tgt Ion:152 Resp: 188594
Ion Ratio Lower Upper
152 100
115 53.6 27.0 81.0
150 158.3 0.0 344.8

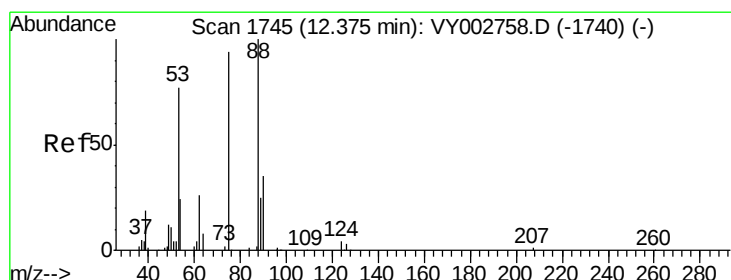
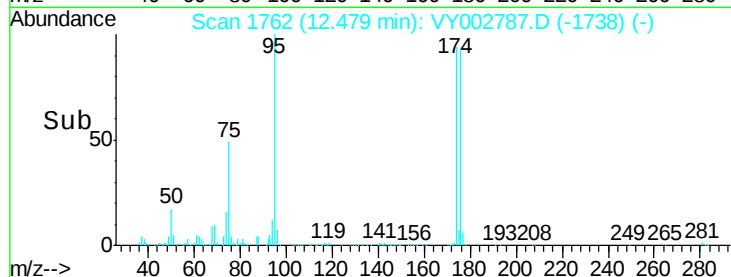
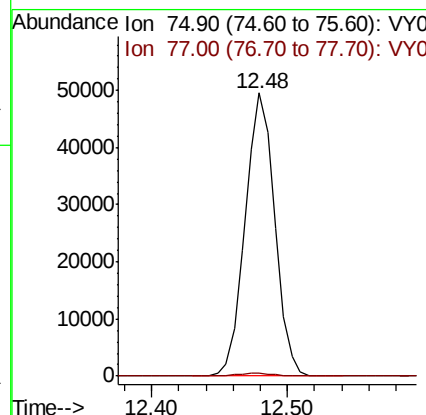
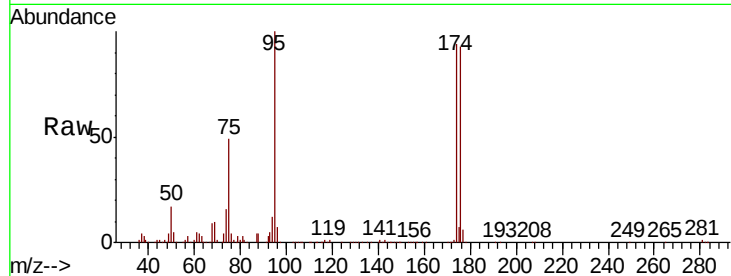




#76
 1,2,3-Trichloropropane
 Concen: 44.369 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY002787.D
 Acq: 28 May 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 75399
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.591 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY002787.D
 Acq: 28 May 2020 12:57

Tgt Ion: 75 Resp: 75399
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.0 96.0#
 89 0.0 37.4 56.2#

