

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052920\
 Data File : VY002799.D
 Acq On : 29 May 2020 13:01
 Operator : SY/MD
 Sample : L2797-10
 Misc : 7.60G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 30 03:56:47 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	253524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	413908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	381064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	188746	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	127041	57.71	ug/l	0.00
Spiked Amount			Recovery	=	115.42%	
35) Dibromofluoromethane	7.72	113	126420	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
50) Toluene-d8	10.18	98	482791	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.48	95	159271	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

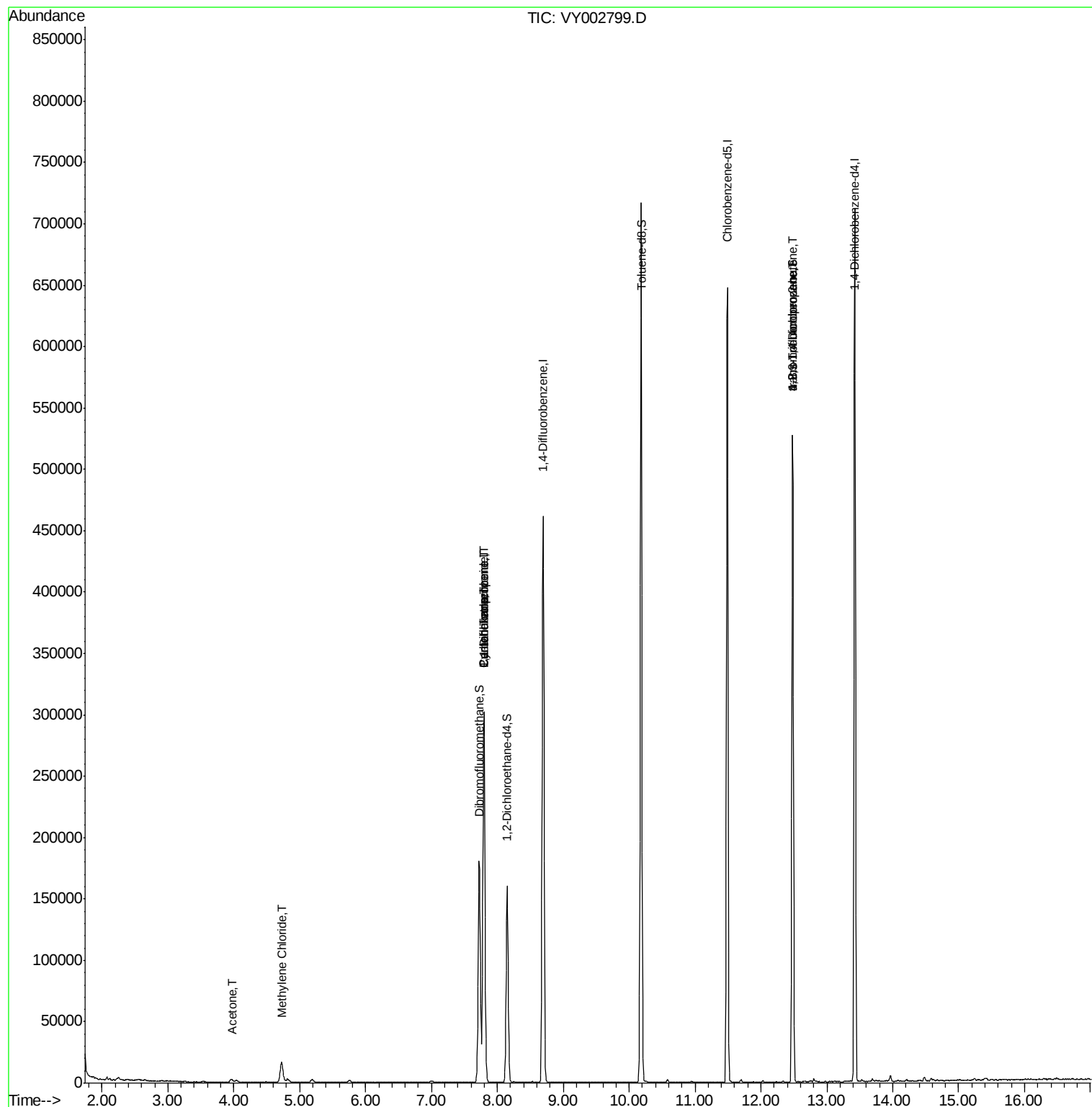
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	72	Below Cal	#	74
16) Acetone	3.97	43	5096	9.873	ug/l	96
18) Methyl Acetate	4.50	43	305	Below Cal	#	48
20) Methylene Chloride	4.73	84	13502	5.353	ug/l	93
31) Cyclohexane	7.80	56	3865	1.035	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	15787	4.528	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22775	5.880	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	76794	45.154	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	76794	85.069	ug/l #	17

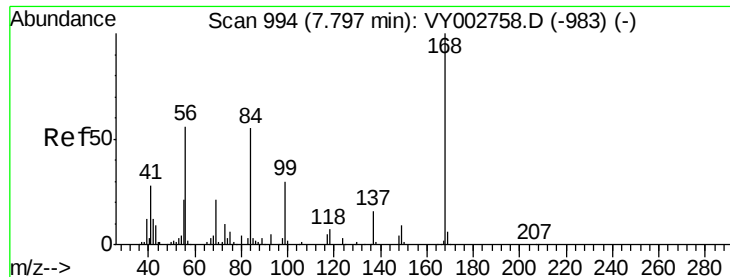
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 27 13:13:33 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: VY002799.D

Acq: 29 May 2020 13:01

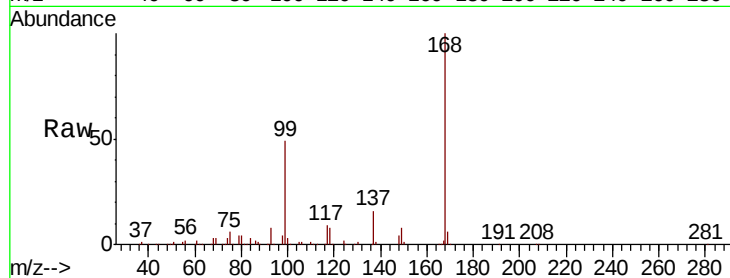
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 253524

Ion Ratio Lower Upper

168 100

99 49.3 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

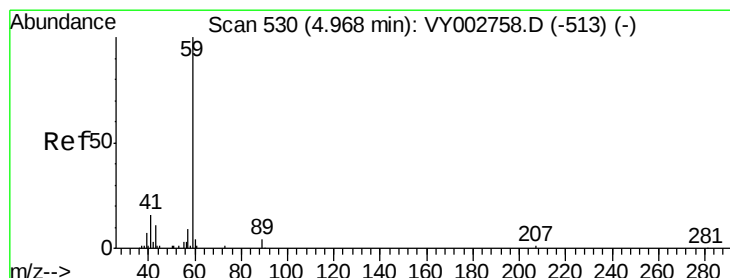
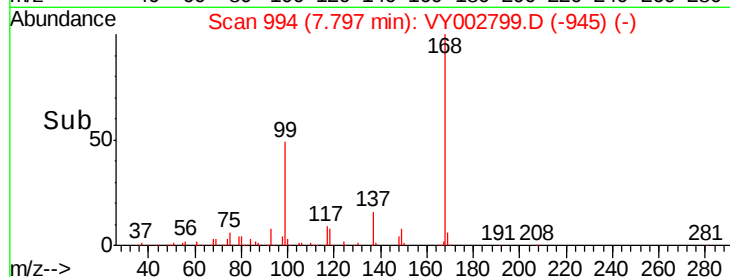
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY002799.D

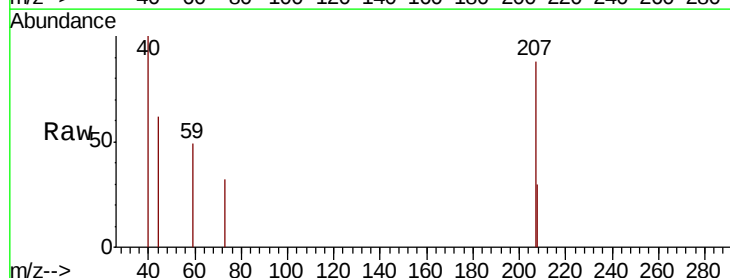
Acq: 29 May 2020 13:01

Tgt Ion: 59 Resp: 72

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) (-)

4.97

120

100

80

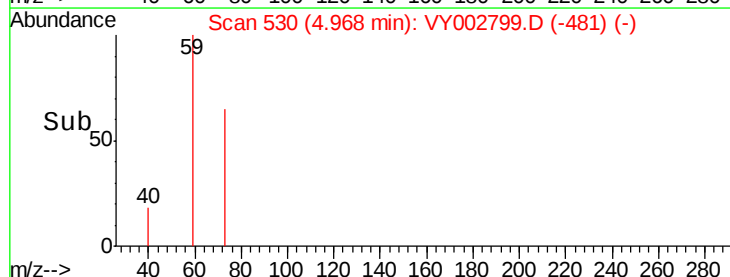
60

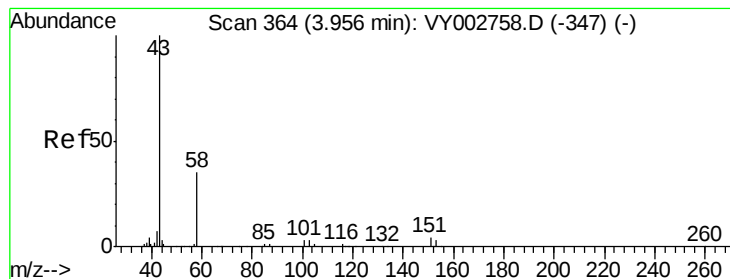
40

20

0

Time-->





#16

Acetone

Concen: 9.873 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002799.D

Acq: 29 May 2020 13:01

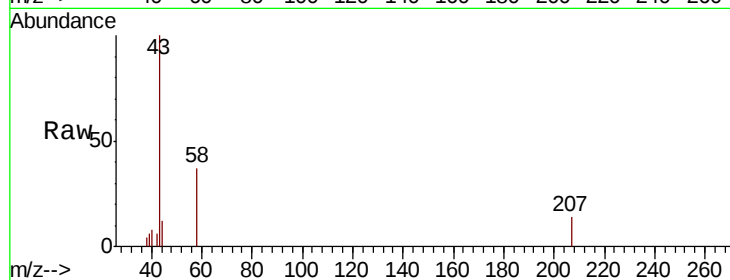
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 5096

Ion Ratio Lower Upper

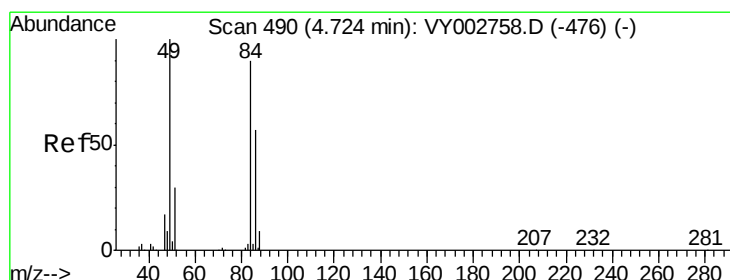
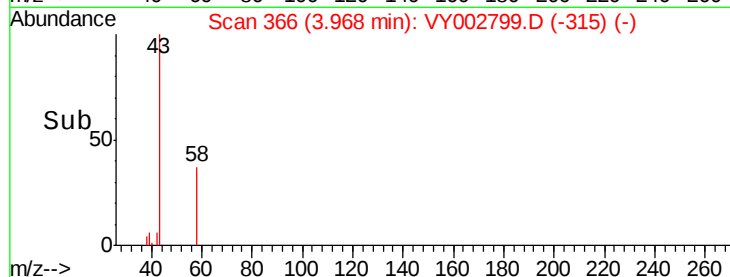
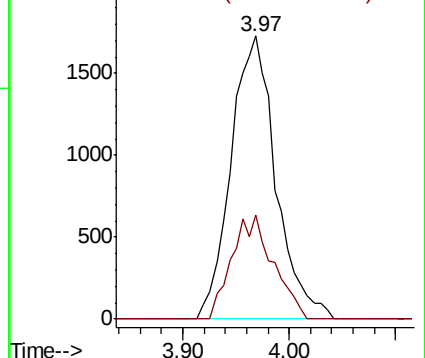
43 100

58 37.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY002758.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002758.D (-347) (-)



#20

Methylene Chloride

Concen: 5.353 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002799.D

Acq: 29 May 2020 13:01

Tgt Ion: 84 Resp: 13502

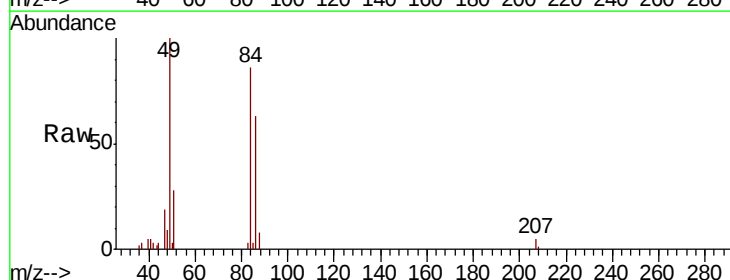
Ion Ratio Lower Upper

84 100

49 116.5 88.5 132.7

51 32.3 26.8 40.2

86 73.6 50.6 75.8

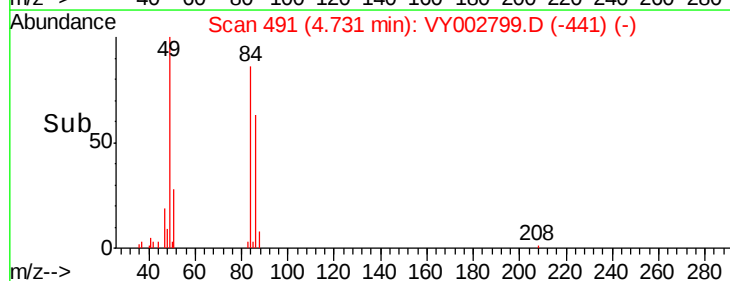
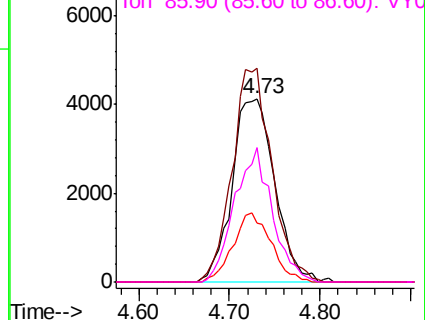


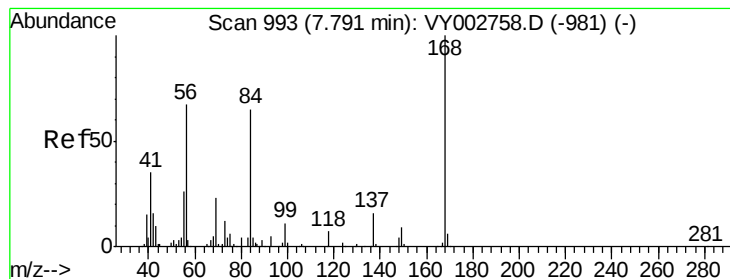
Abundance Ion 83.90 (83.60 to 84.60): VY002758.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY002758.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY002758.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY002758.D (-476) (-)





#31

Cyclohexane

Concen: 1.035 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002799.D

Acq: 29 May 2020 13:01

Instrument :
MSVOA_Y
ClientSampleId :

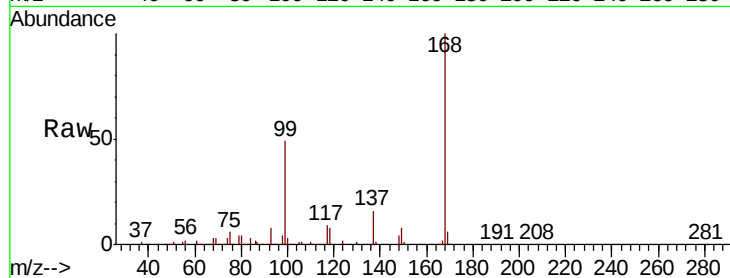
Tot Ion: 56 Resp: 3865

Ion Ratio Lower Upper

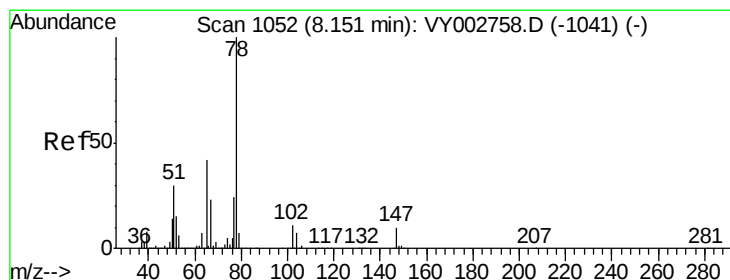
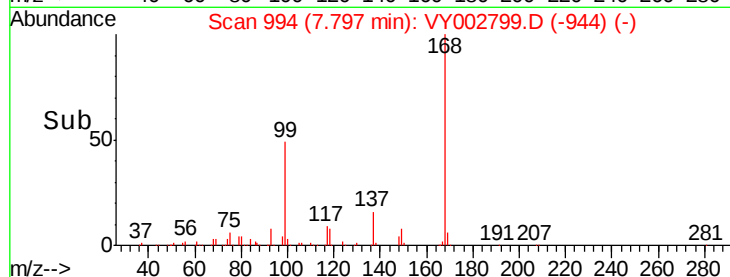
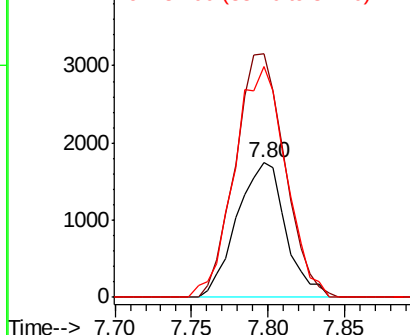
56 100

69 181.5 28.0 42.0#

84 171.8 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: 57.712 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002799.D

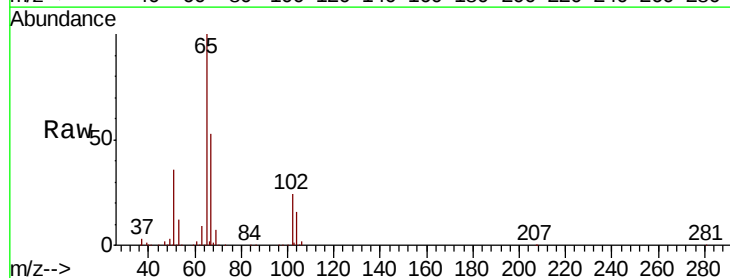
Acq: 29 May 2020 13:01

Tgt Ion: 65 Resp: 127041

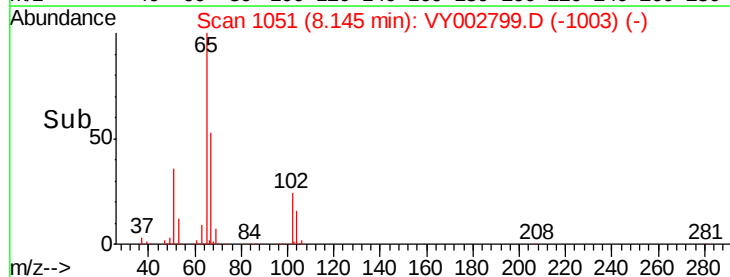
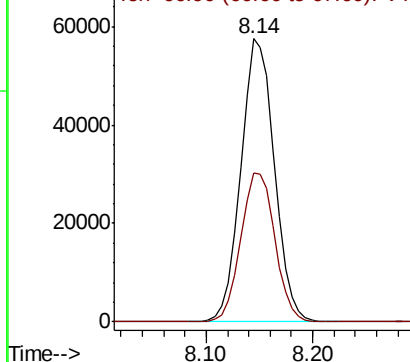
Ion Ratio Lower Upper

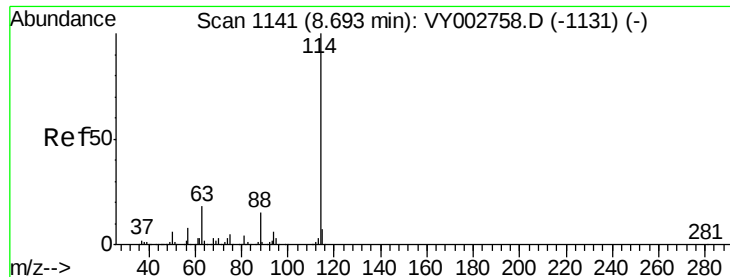
65 100

67 53.8 0.0 111.0



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

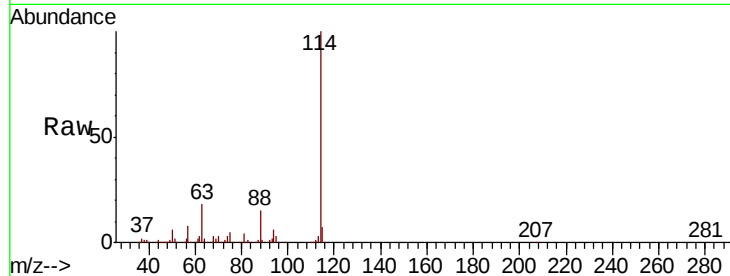




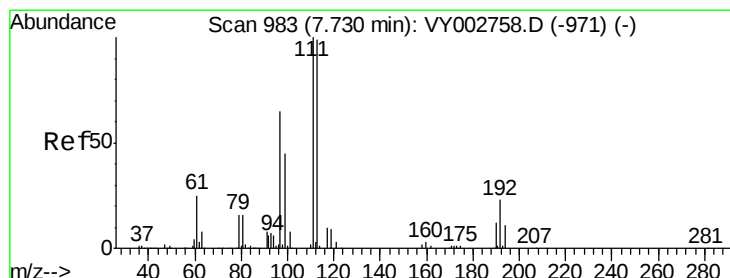
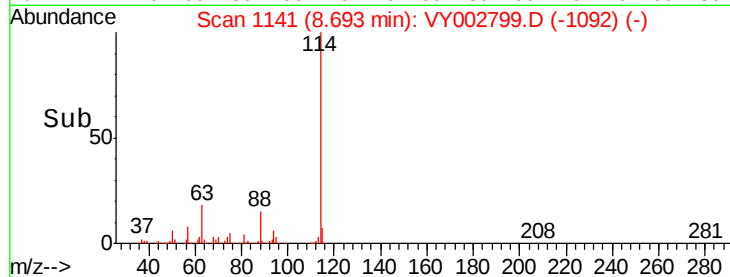
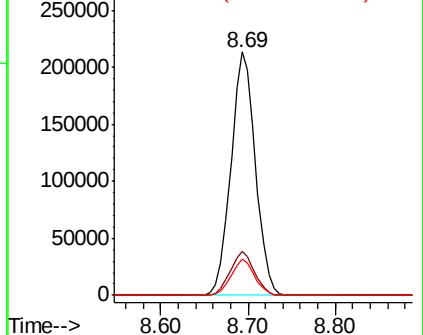
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002799.D
 Acq: 29 May 2020 13:01

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.2
88	14.7	0.0	29.2

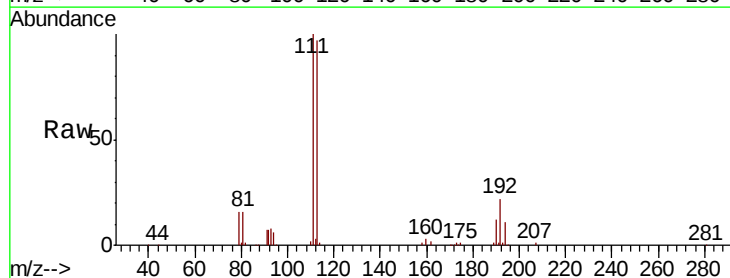


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

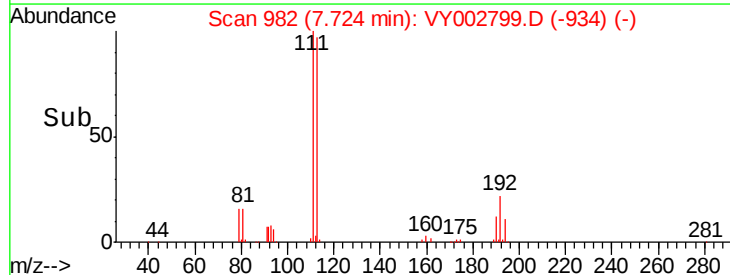
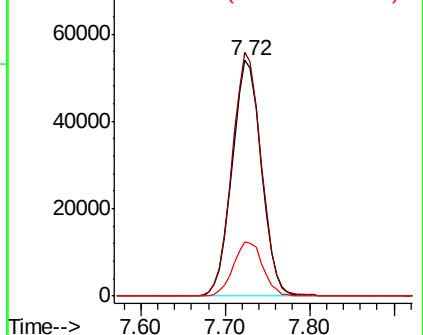


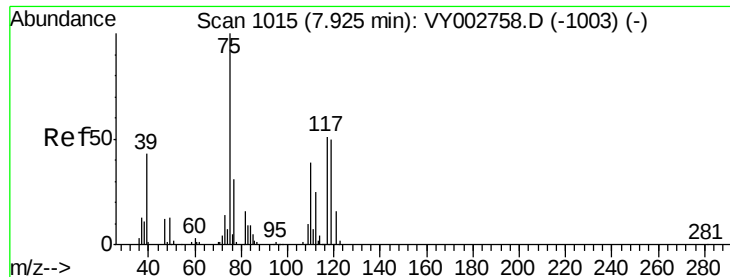
#35
 Dibromofluoromethane
 Concen: 52.117 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002799.D
 Acq: 29 May 2020 13:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	23.1	18.9	28.3



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

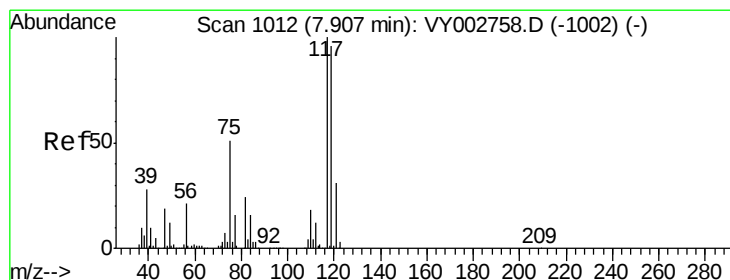
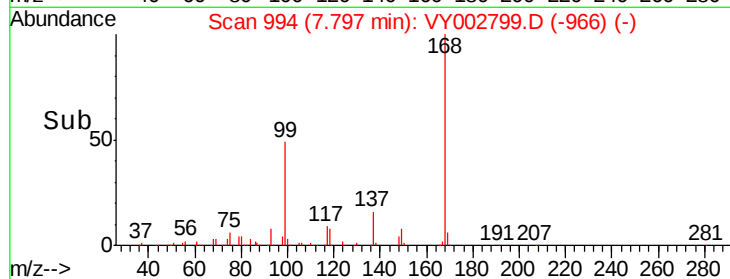
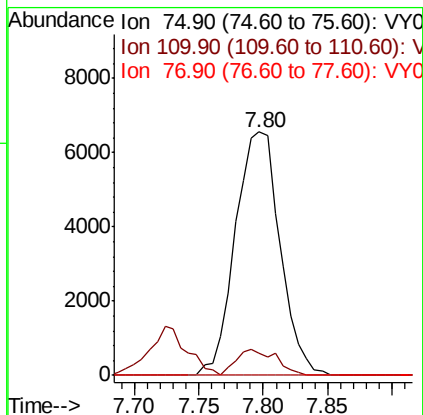
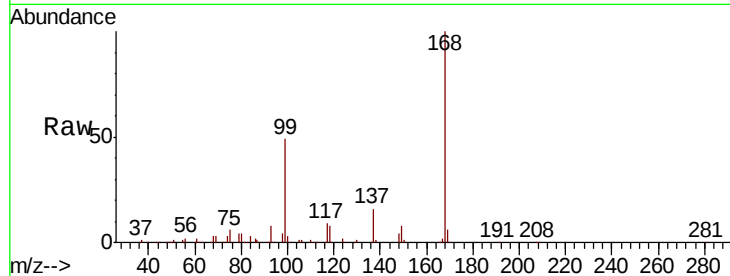




#36
 1,1-Dichloropropene
 Concen: 4.528 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002799.D
 Acq: 29 May 2020 13:01

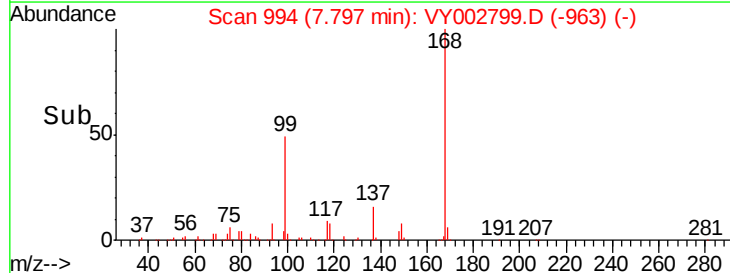
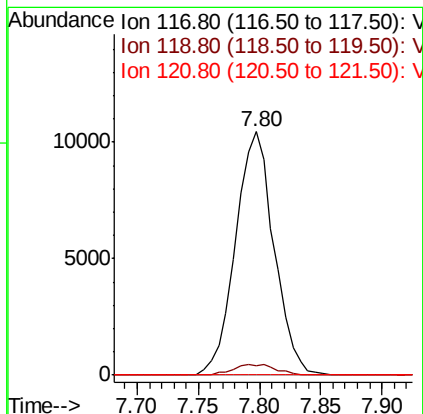
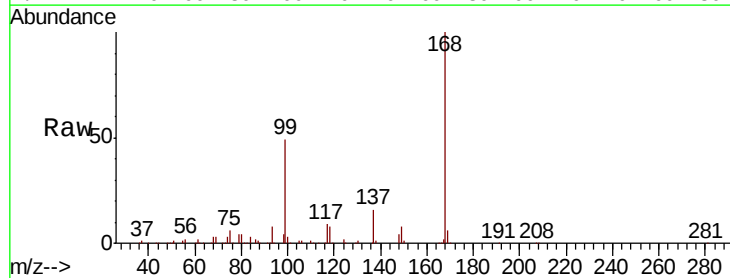
Instrument :
 MSVOA_Y
 ClientSampleId :

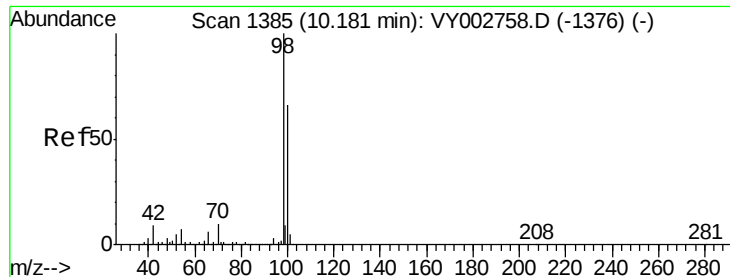
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.880 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002799.D
 Acq: 29 May 2020 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.8	115.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.225 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002799.D

Acq: 29 May 2020 13:01

Instrument :

MSVOA_Y

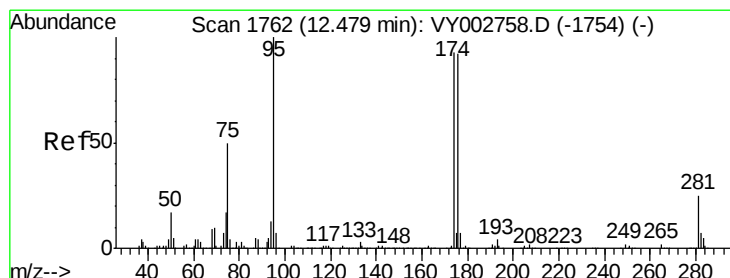
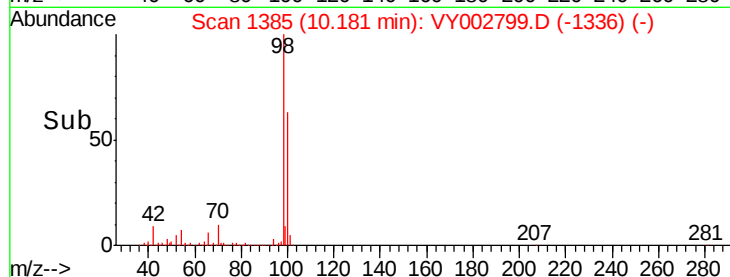
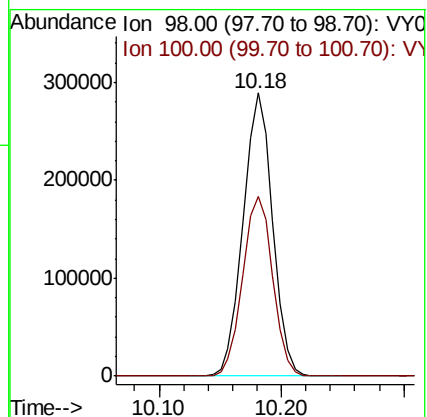
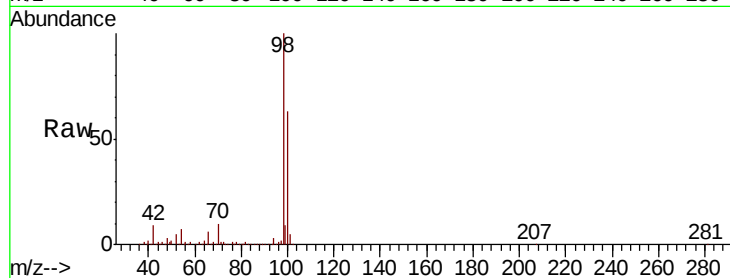
ClientSampleId :

Tot Ion: 98 Resp: 482791

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 47.518 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002799.D

Acq: 29 May 2020 13:01

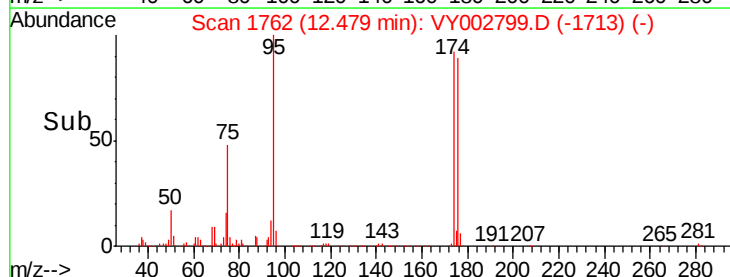
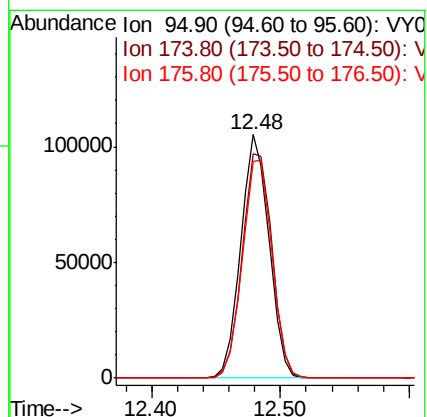
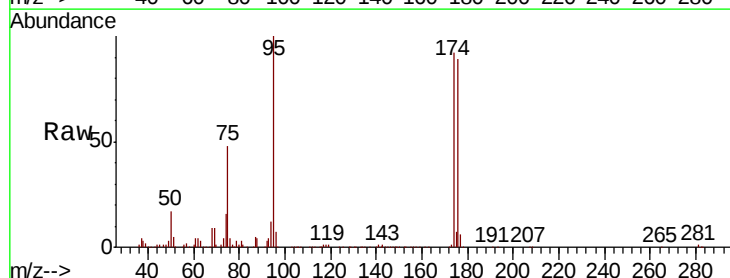
Tgt Ion: 95 Resp: 159271

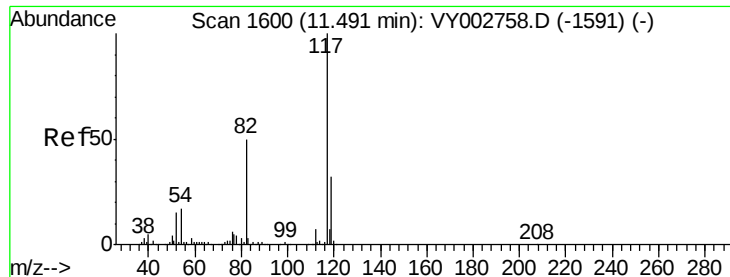
Ion Ratio Lower Upper

95 100

174 97.0 0.0 191.2

176 93.8 0.0 188.8

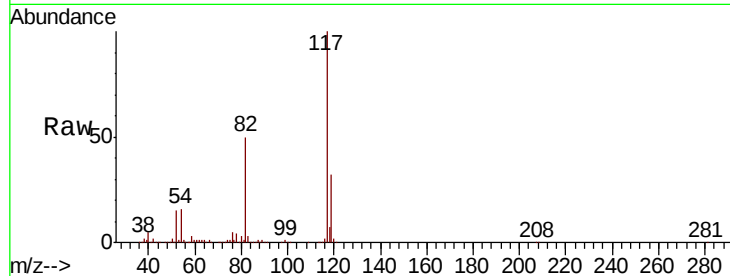




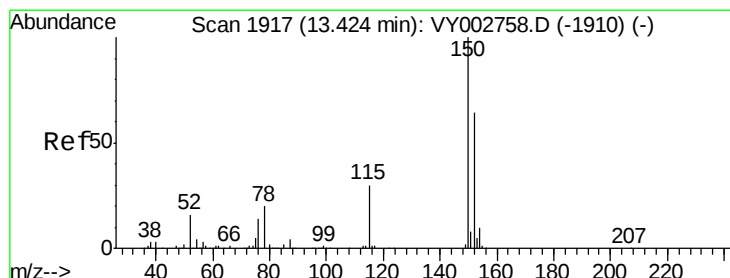
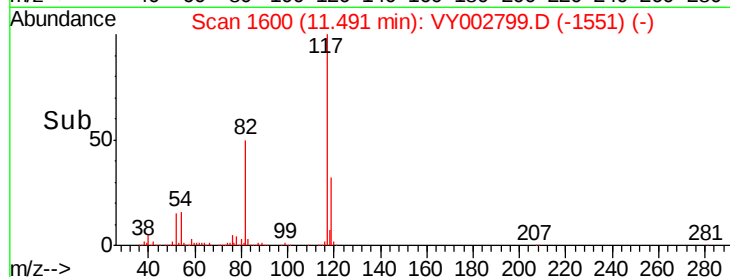
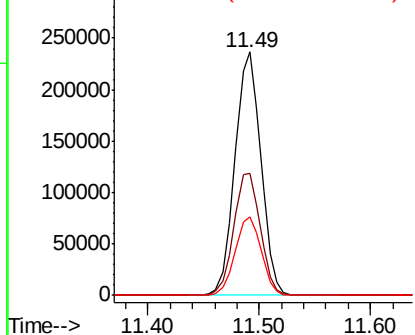
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002799.D
Acq: 29 May 2020 13:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 381064
Ion Ratio Lower Upper
117 100
82 50.0 40.2 60.4
119 32.0 25.8 38.8

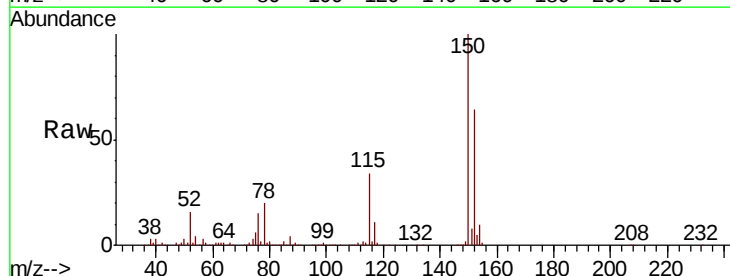


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

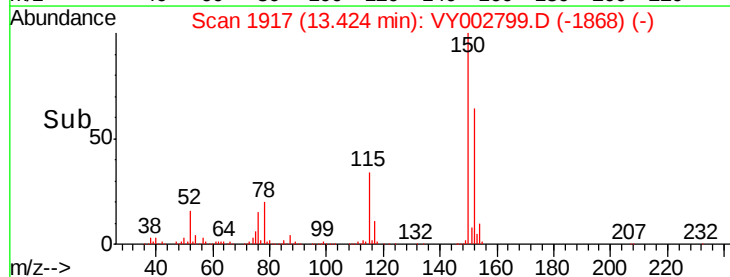
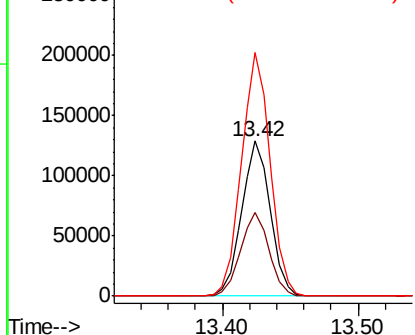


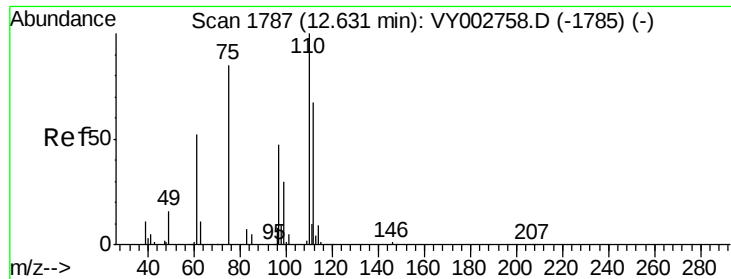
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002799.D
Acq: 29 May 2020 13:01

Tgt Ion:152 Resp: 188746
Ion Ratio Lower Upper
152 100
115 53.8 27.0 81.0
150 157.4 0.0 344.8



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

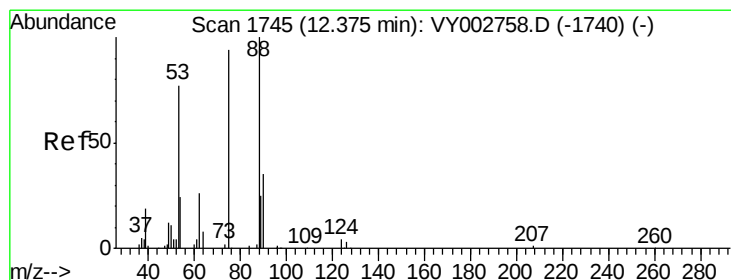
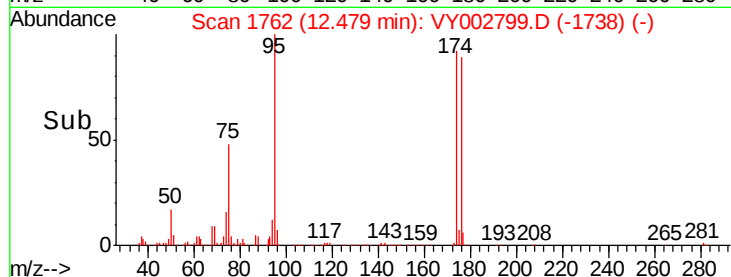
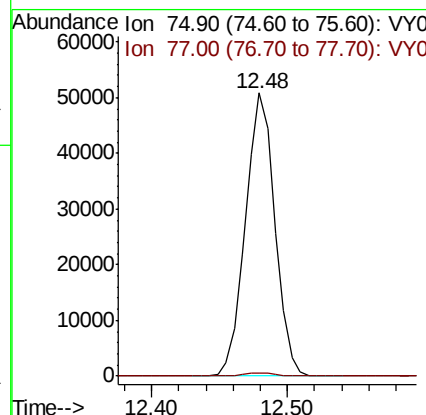
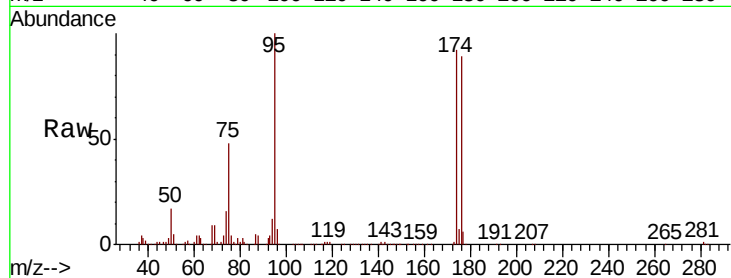




#76
 1,2,3-Trichloropropane
 Concen: 45.154 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY002799.D
 Acq: 29 May 2020 13:01

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 75 Resp: 76794
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.069 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY002799.D
 Acq: 29 May 2020 13:01

Tgt Ion: 75 Resp: 76794
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.0 96.0#
 89 0.1 37.4 56.2#

