

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
 Data File : VY002738.D
 Acq On : 21 May 2020 13:26
 Operator : SY/MD
 Sample : L2728-04
 Misc : 6.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 13:51:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	311010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	494882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	438980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	195420	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	144058	59.22	ug/l	0.00
Spiked Amount			Recovery	=	118.44%	
35) Dibromofluoromethane	7.72	113	148175	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
50) Toluene-d8	10.18	98	581932	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.48	95	179969	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	

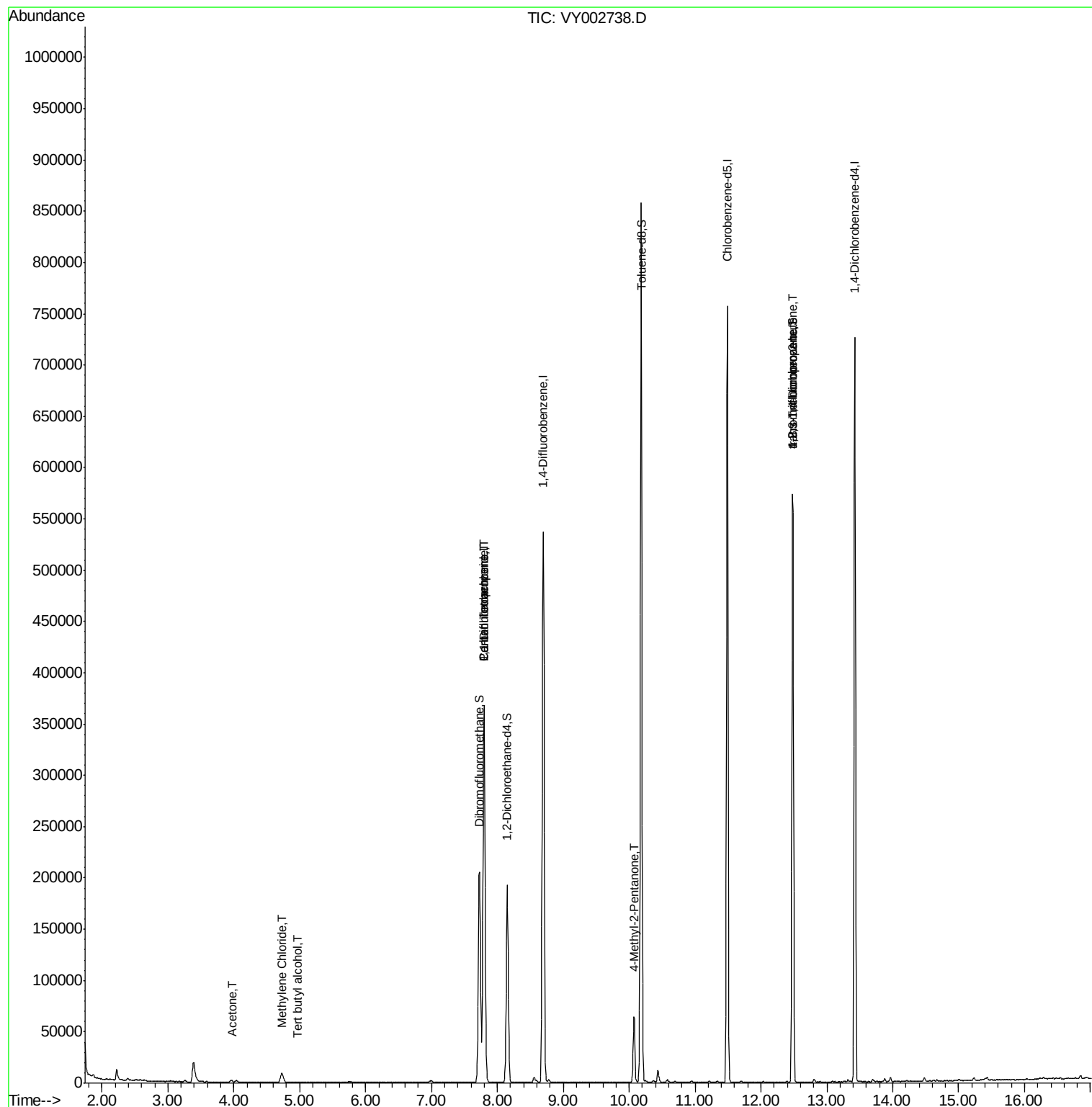
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	398	1.611	ug/l #	74
16) Acetone	3.96	43	3754	7.486	ug/l	91
20) Methylene Chloride	4.73	84	7632	2.518	ug/l	94
36) 1,1-Dichloropropene	7.80	75	19307	4.609	ug/l #	49
38) Carbon Tetrachloride	7.80	117	27336	6.071	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	42253	21.371	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	85129	53.030	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85129	100.290	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.01	180	533	Below Cal		88
94) Hexachlorobutadiene	15.11	225	170	Below Cal		97
96) 1,2,3-Trichlorobenzene	15.42	180	776	Below Cal		86

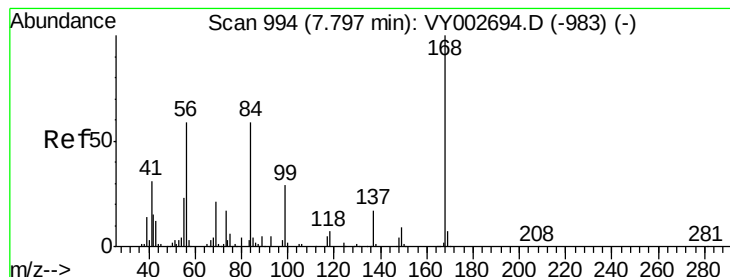
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
Data File : VY002738.D
Acq On : 21 May 2020 13:26
Operator : SY/MD
Sample : L2728-04
Misc : 6.12G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 21 13:51:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260
QLast Update : Sat May 16 04:52:36 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: VY002738.D

Acq: 21 May 2020 13:26

Instrument :

MSVOA_Y

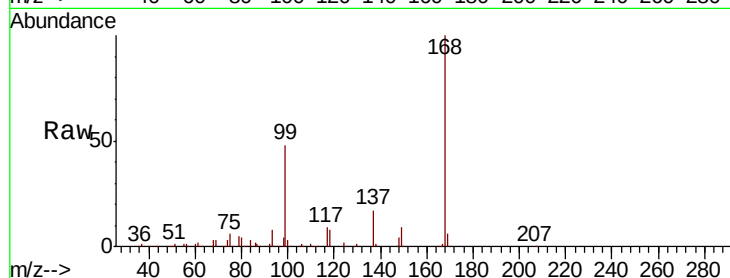
ClientSampleId :

Tot Ion:168 Resp: 311010

Ion Ratio Lower Upper

168 100

99 48.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002738.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002738.D (-945) (-)

7.80

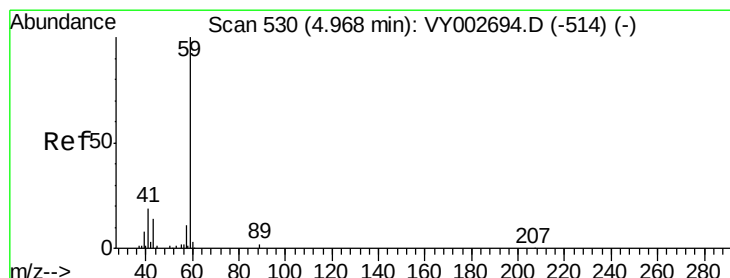
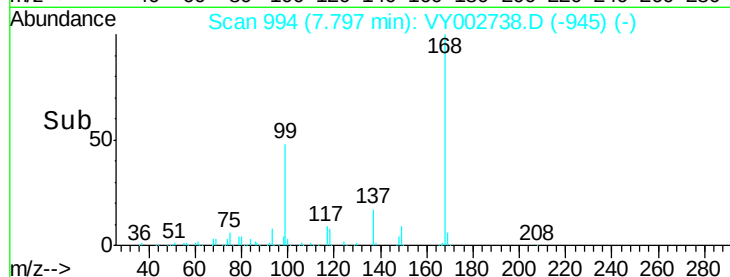
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.611 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002738.D

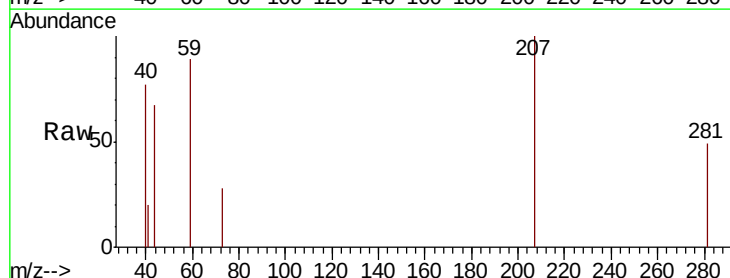
Acq: 21 May 2020 13:26

Tgt Ion: 59 Resp: 398

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002738.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002738.D (-481) (-)

4.96

250

200

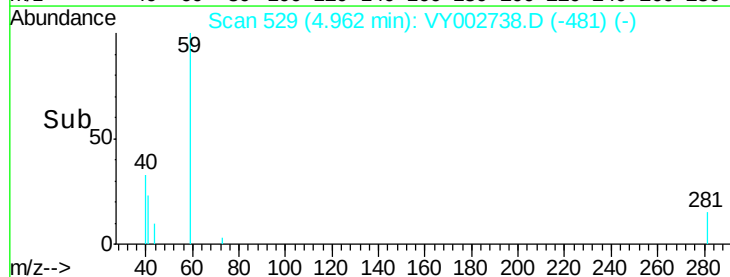
150

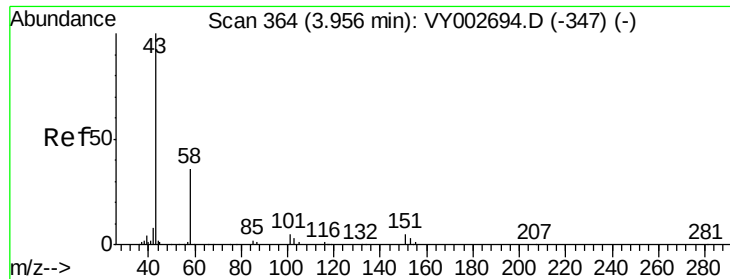
100

50

0

Time-->





#16

Acetone

Concen: 7.486 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002738.D

Acq: 21 May 2020 13:26

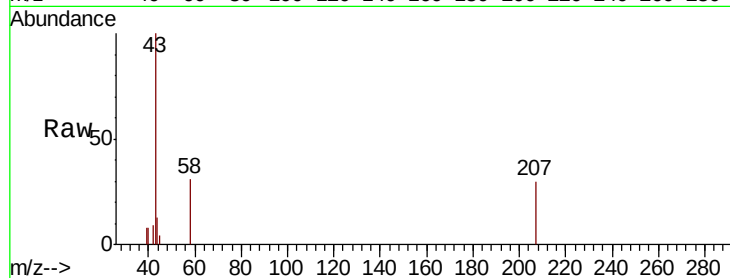
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 3754

Ion Ratio Lower Upper

43 100

58 30.5 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

1500

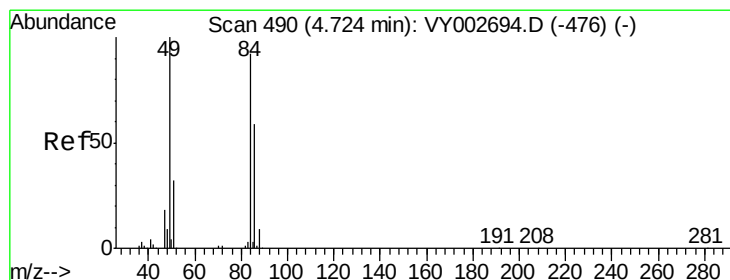
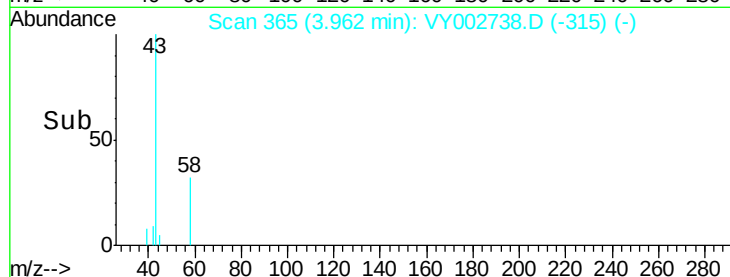
1000

500

0

Time-->

3.90 4.00



#20

Methylene Chloride

Concen: 2.518 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002738.D

Acq: 21 May 2020 13:26

Tgt Ion: 84 Resp: 7632

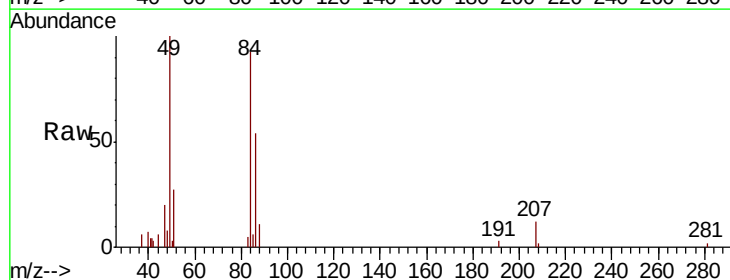
Ion Ratio Lower Upper

84 100

49 107.0 87.4 131.0

51 28.6 27.9 41.9

86 57.5 51.7 77.5



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

4000

3000

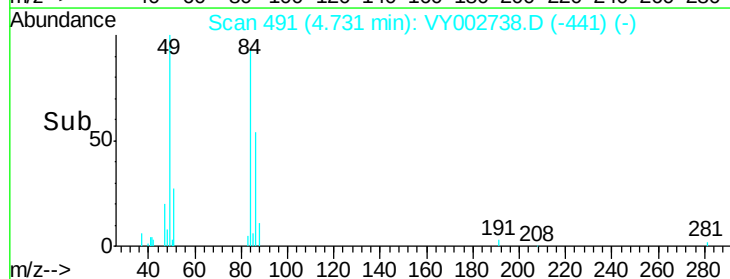
2000

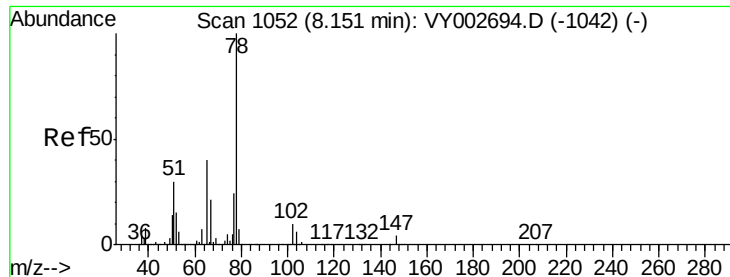
1000

0

Time-->

4.60 4.70 4.80

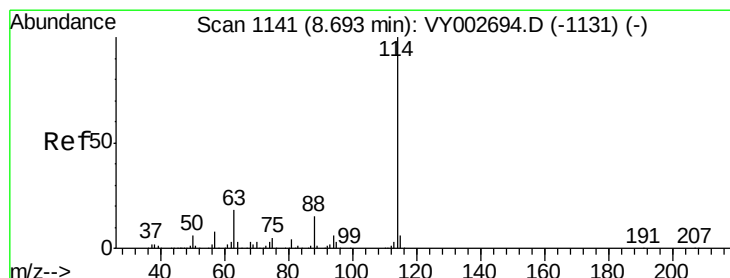
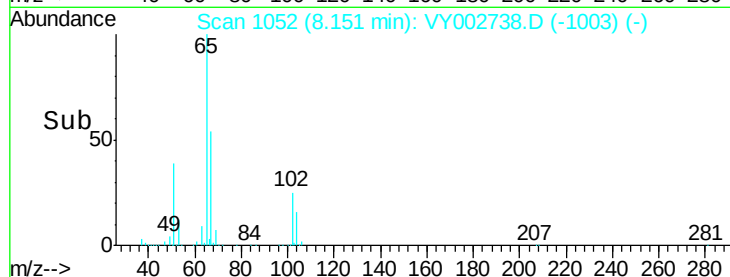
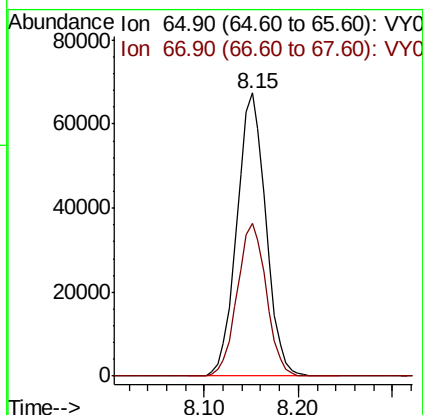
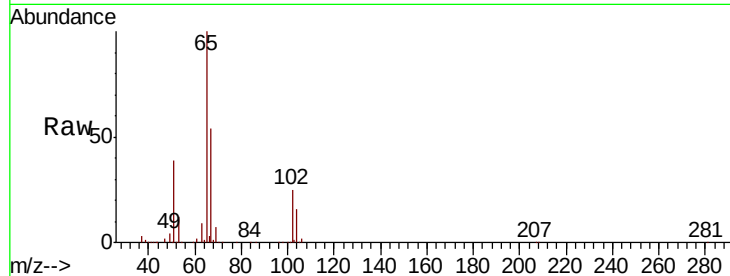




#33
 1,2-Dichloroethane-d4
 Concen: 59.216 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002738.D
 Acq: 21 May 2020 13:26

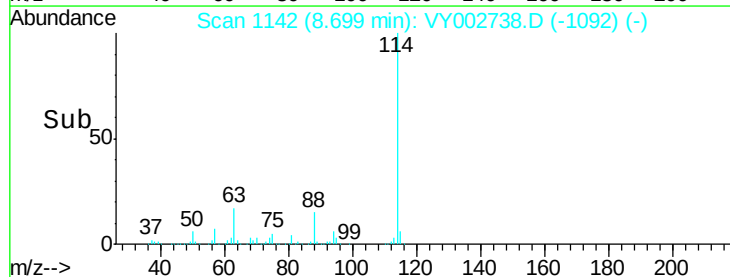
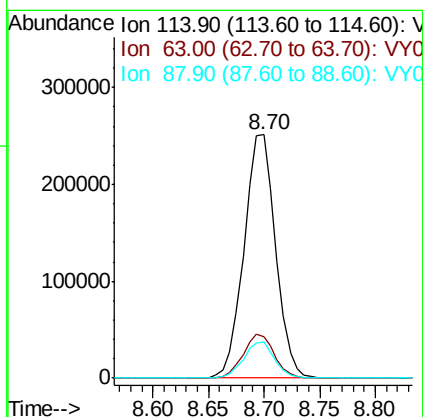
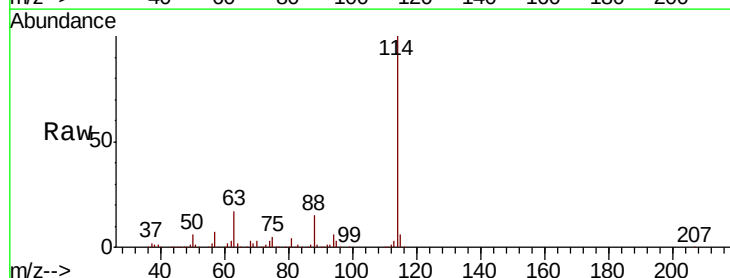
Instrument :
 MSVOA_Y
 ClientSampleId :

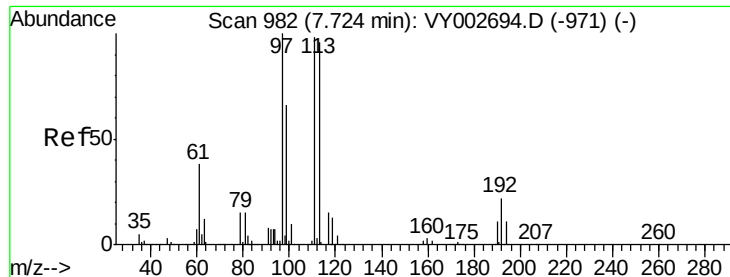
Tot Ion: 65 Resp: 144058
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY002738.D
 Acq: 21 May 2020 13:26

Tgt Ion: 114 Resp: 494882
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 35.4
 88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 54.254 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002738.D

Acq: 21 May 2020 13:26

Instrument :
MSVOA_Y
ClientSampleId :

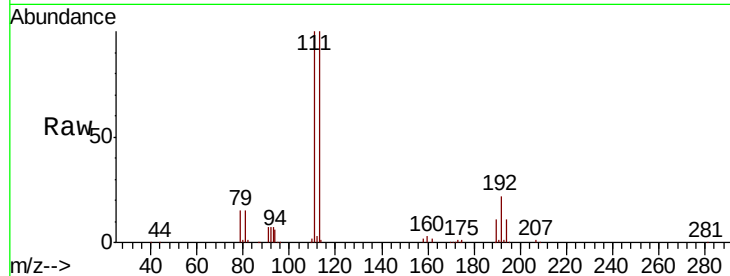
Tot Ion:113 Resp: 148175

Ion Ratio Lower Upper

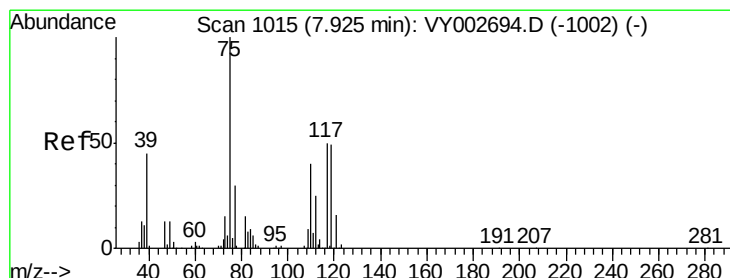
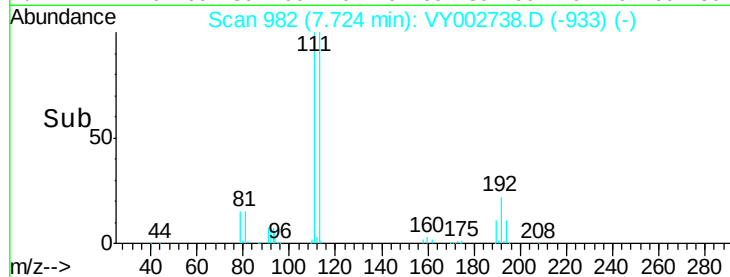
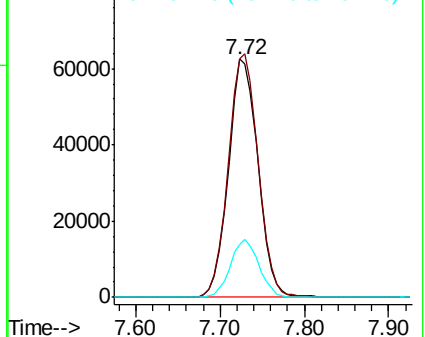
113 100

111 103.2 81.9 122.9

192 23.7 18.6 27.8



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: 4.609 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002738.D

Acq: 21 May 2020 13:26

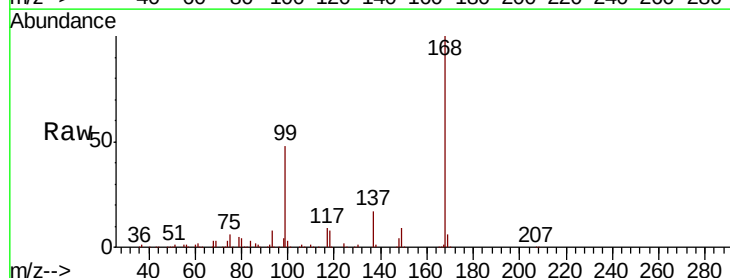
Tgt Ion: 75 Resp: 19307

Ion Ratio Lower Upper

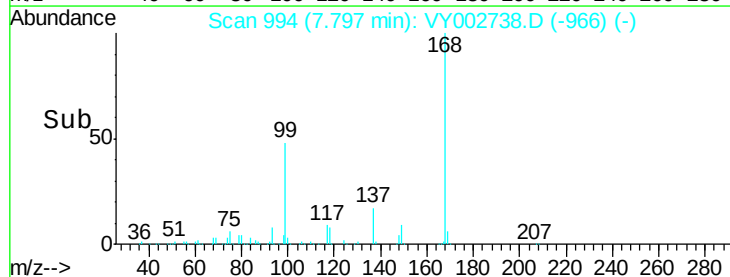
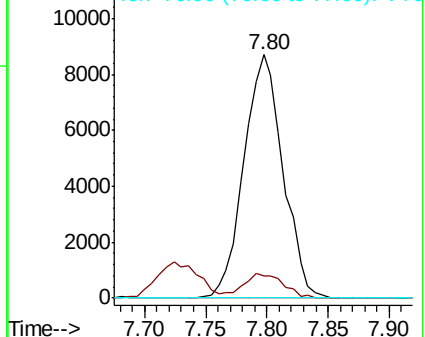
75 100

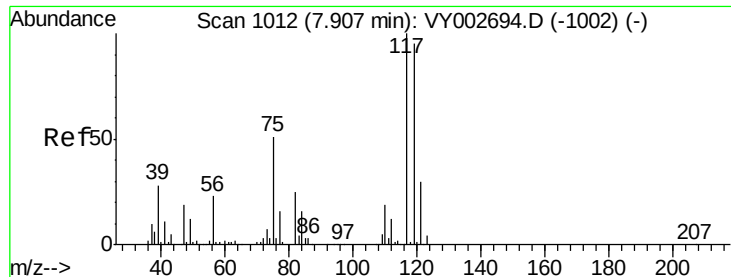
110 10.3 19.4 58.4#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

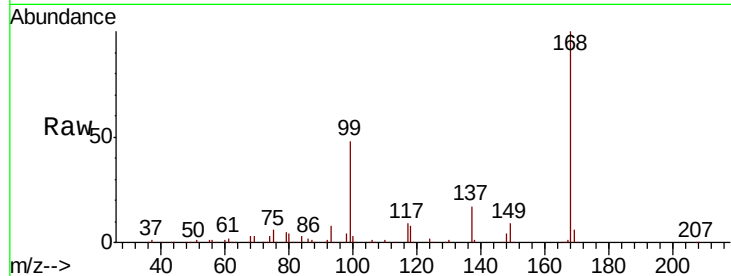




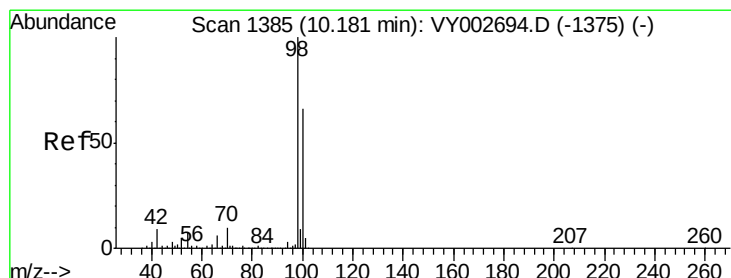
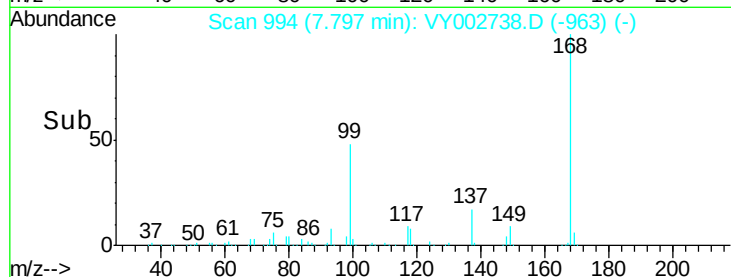
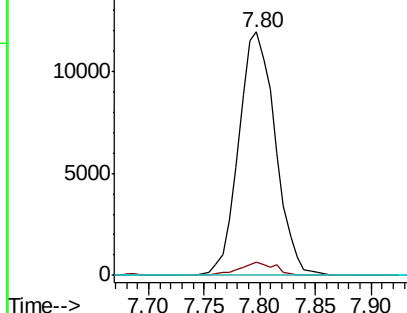
#38
Carbon Tetrachloride
Concen: 6.071 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002738.D
Acq: 21 May 2020 13:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 27336
Ion Ratio Lower Upper
117 100
119 5.3 76.3 114.5#
121 0.0 24.2 36.2#

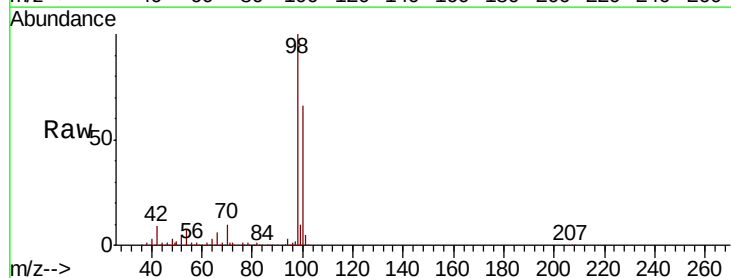


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

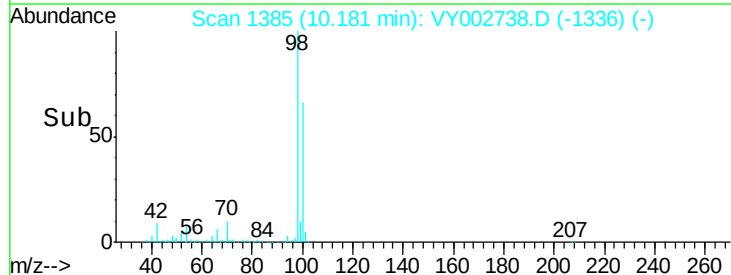
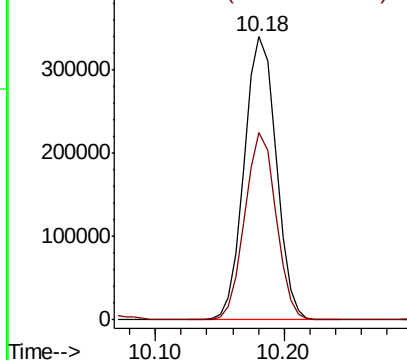


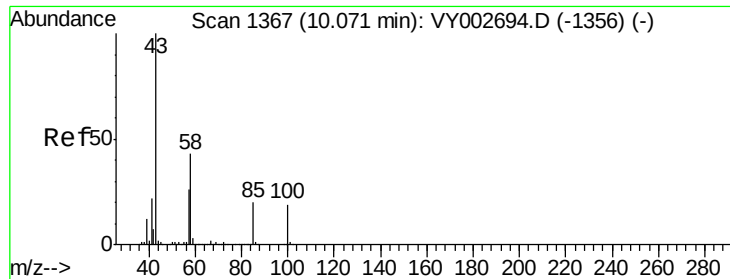
#50
Toluene-d8
Concen: 52.923 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002738.D
Acq: 21 May 2020 13:26

Tgt Ion: 98 Resp: 581932
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 21.371 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY002738.D

Acq: 21 May 2020 13:26

Instrument :

MSVOA_Y

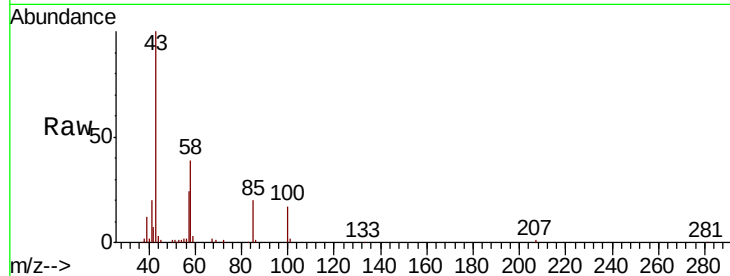
ClientSampled :

Tot Ion: 43 Resp: 42253

Ion Ratio Lower Upper

43 100

58 41.3 34.1 51.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

25000

20000

15000

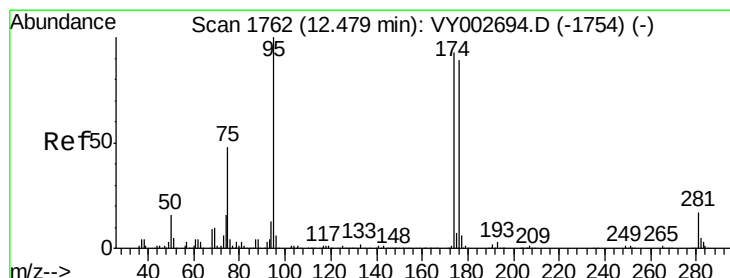
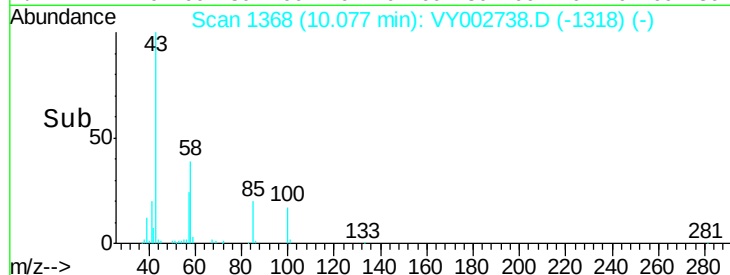
10000

5000

0

10.00 10.05 10.10 10.15

Time-->



#62

4-Bromofluorobenzene

Concen: 47.620 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002738.D

Acq: 21 May 2020 13:26

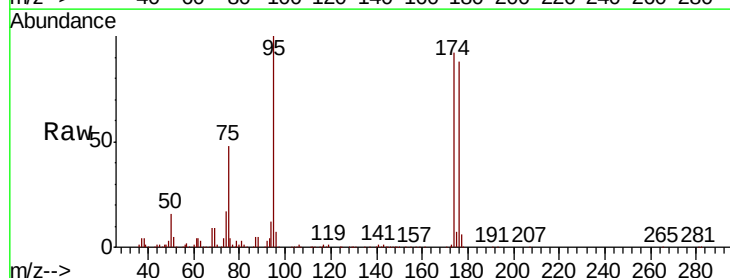
Tgt Ion: 95 Resp: 179969

Ion Ratio Lower Upper

95 100

174 95.9 0.0 191.4

176 93.5 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

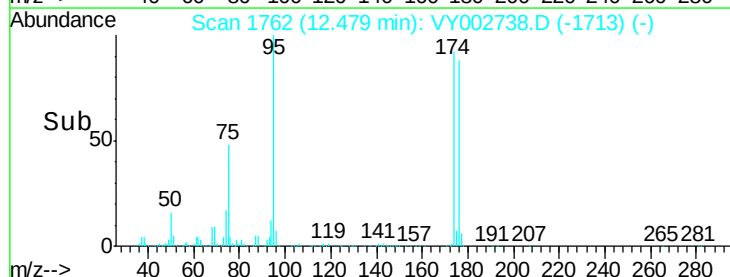
100000

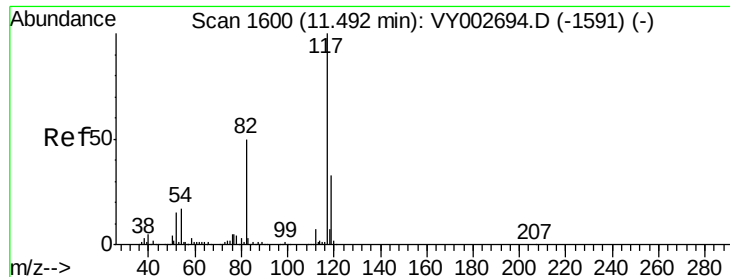
50000

0

12.40 12.50

Time-->

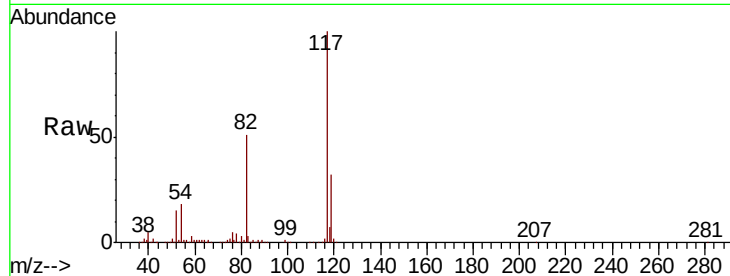




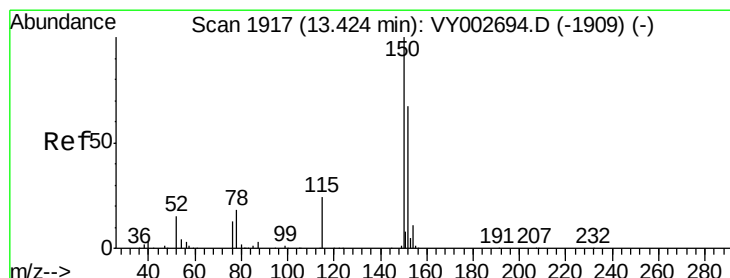
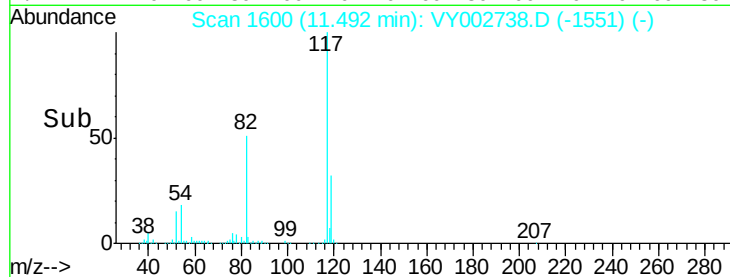
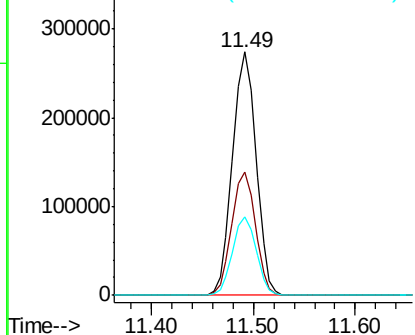
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002738.D
Acq: 21 May 2020 13:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	40.3	60.5
119	32.2	26.2	39.4

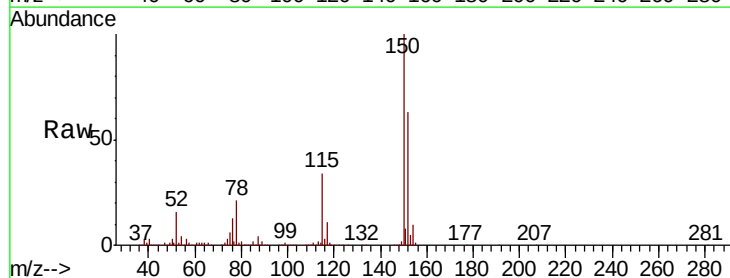


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

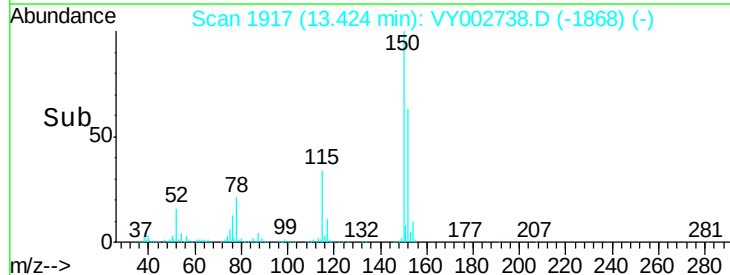
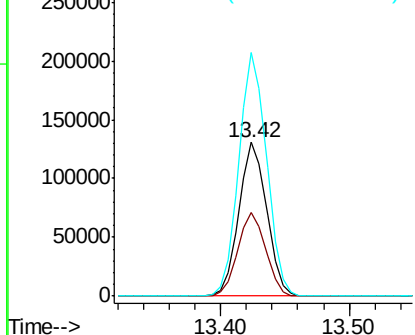


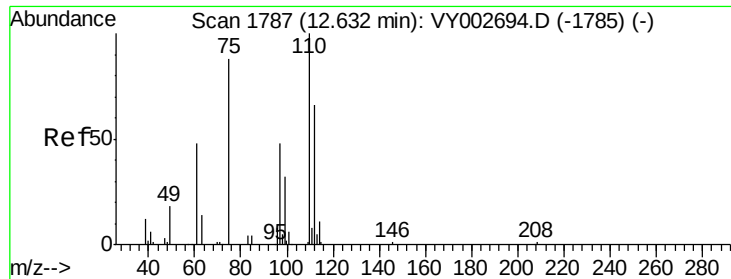
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002738.D
Acq: 21 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.2	81.6
150	158.1	0.0	343.8



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: 53.030 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002738.D

Acq: 21 May 2020 13:26

Instrument :

MSVOA_Y

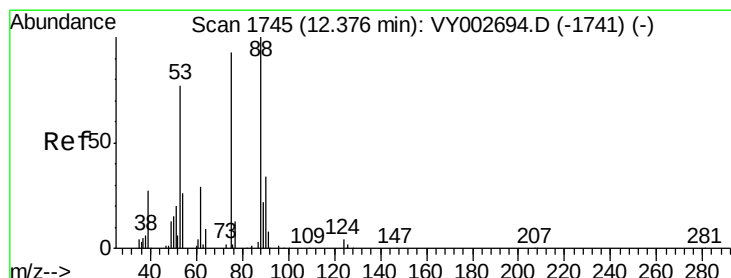
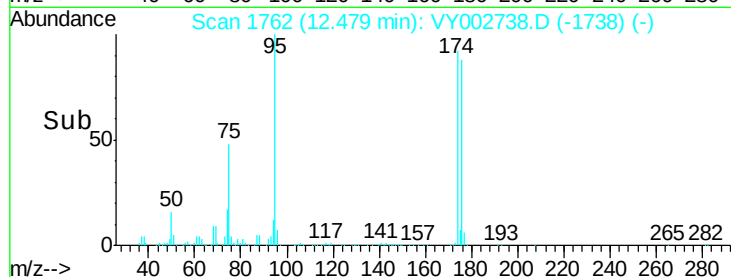
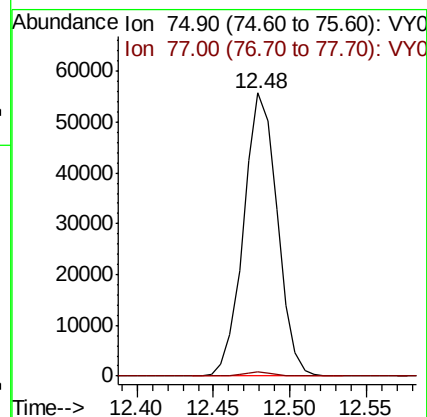
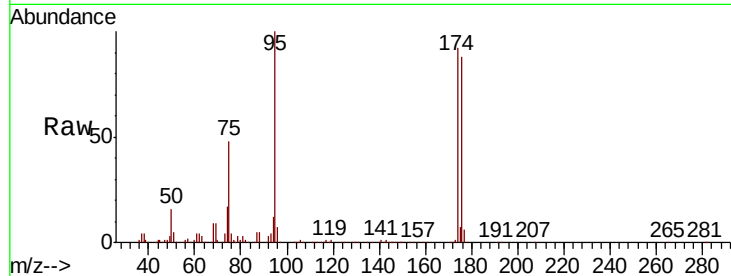
ClientSampleId :

Tot Ion: 75 Resp: 85129

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.290 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002738.D

Acq: 21 May 2020 13:26

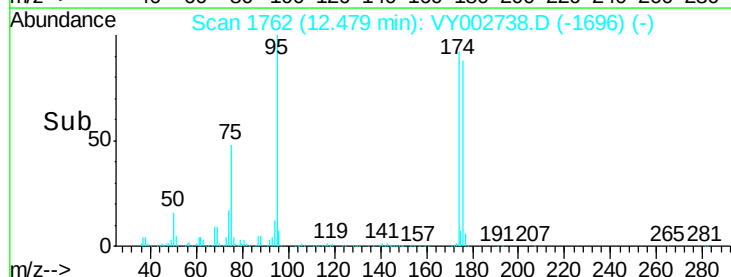
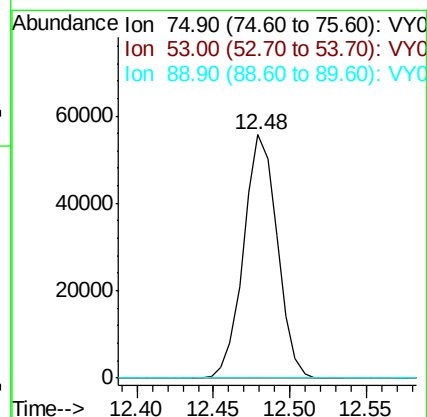
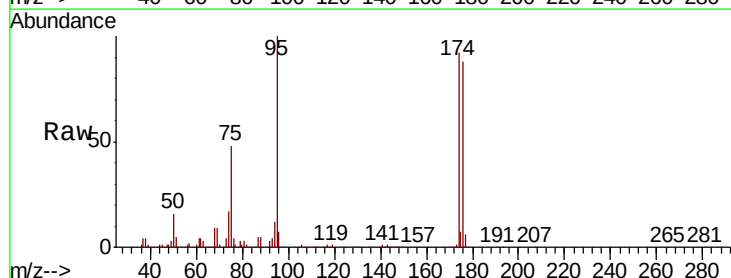
Tgt Ion: 75 Resp: 85129

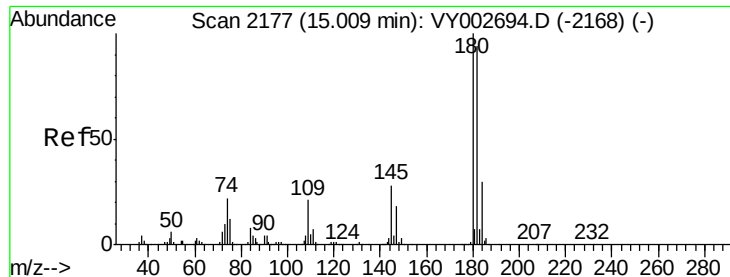
Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

89 0.0 66.6 99.8#

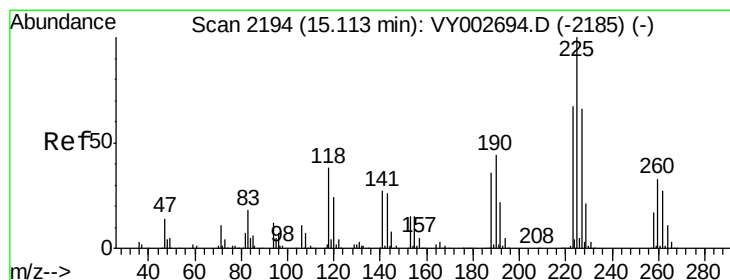
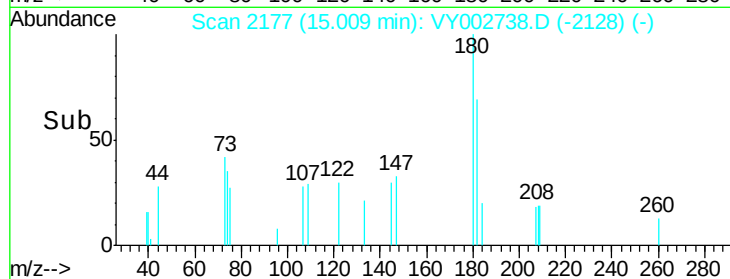
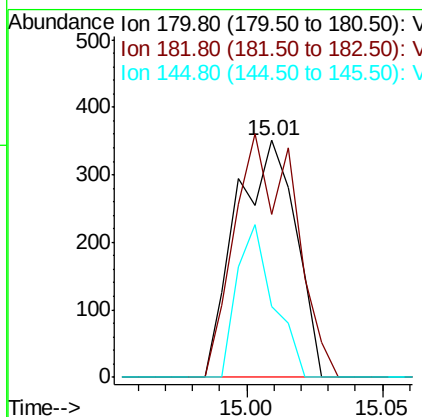
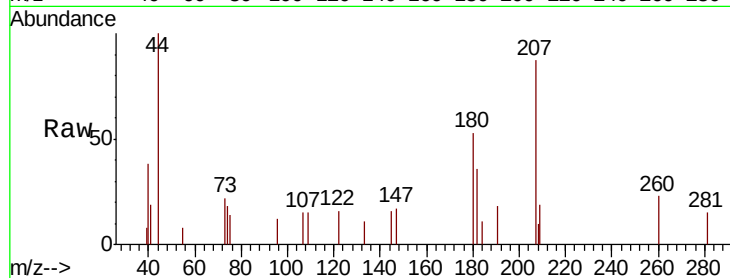




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002738.D
 Acq: 21 May 2020 13:26

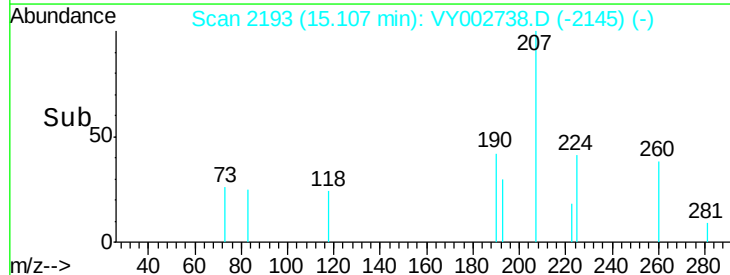
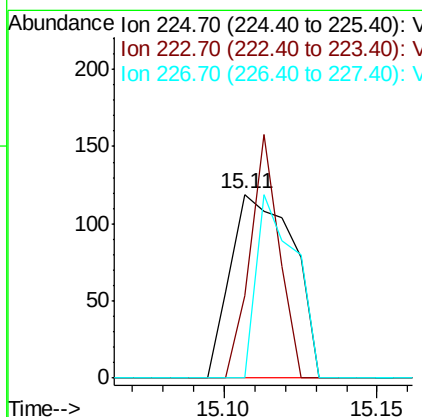
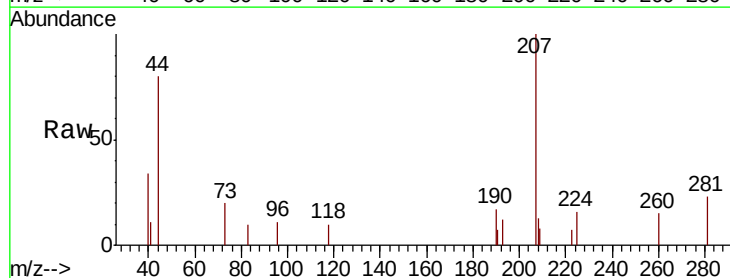
Instrument :
 MSVOA_Y
 ClientSampled :

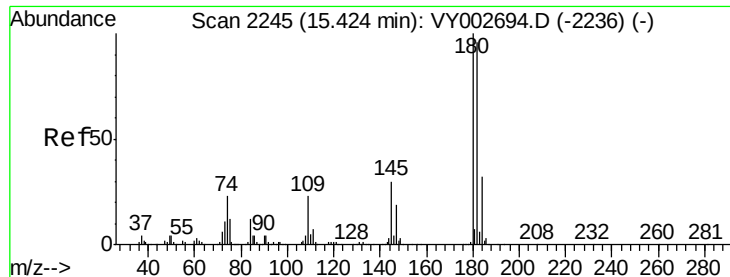
Tot Ion:180 Resp: 533
 Ion Ratio Lower Upper
 180 100
 182 103.0 47.3 142.0
 145 39.4 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY002738.D
 Acq: 21 May 2020 13:26

Tgt Ion:225 Resp: 170
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.6 94.8
 227 61.8 32.2 96.6

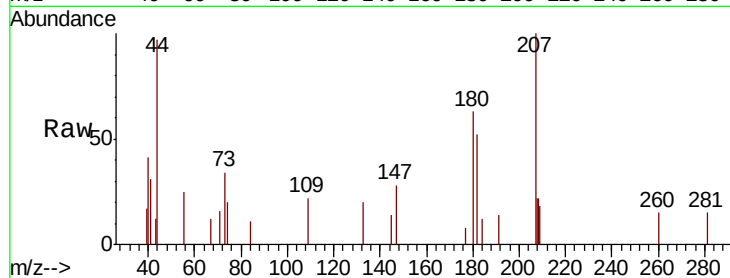




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: VY002738.D
 Acq: 21 May 2020 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.2	47.6	142.9
145	36.2	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

