

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002673.D
 Acq On : 13 May 2020 10:44
 Operator : SY/MD
 Sample : VD0513SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:51:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	338336	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	526730	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	470766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	227221	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	142515	50.10	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.20%	
35) Dibromofluoromethane	7.72	113	155209	51.52	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.04%	
50) Toluene-d8	10.18	98	613589	52.16	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.48	95	196428	49.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.42%	

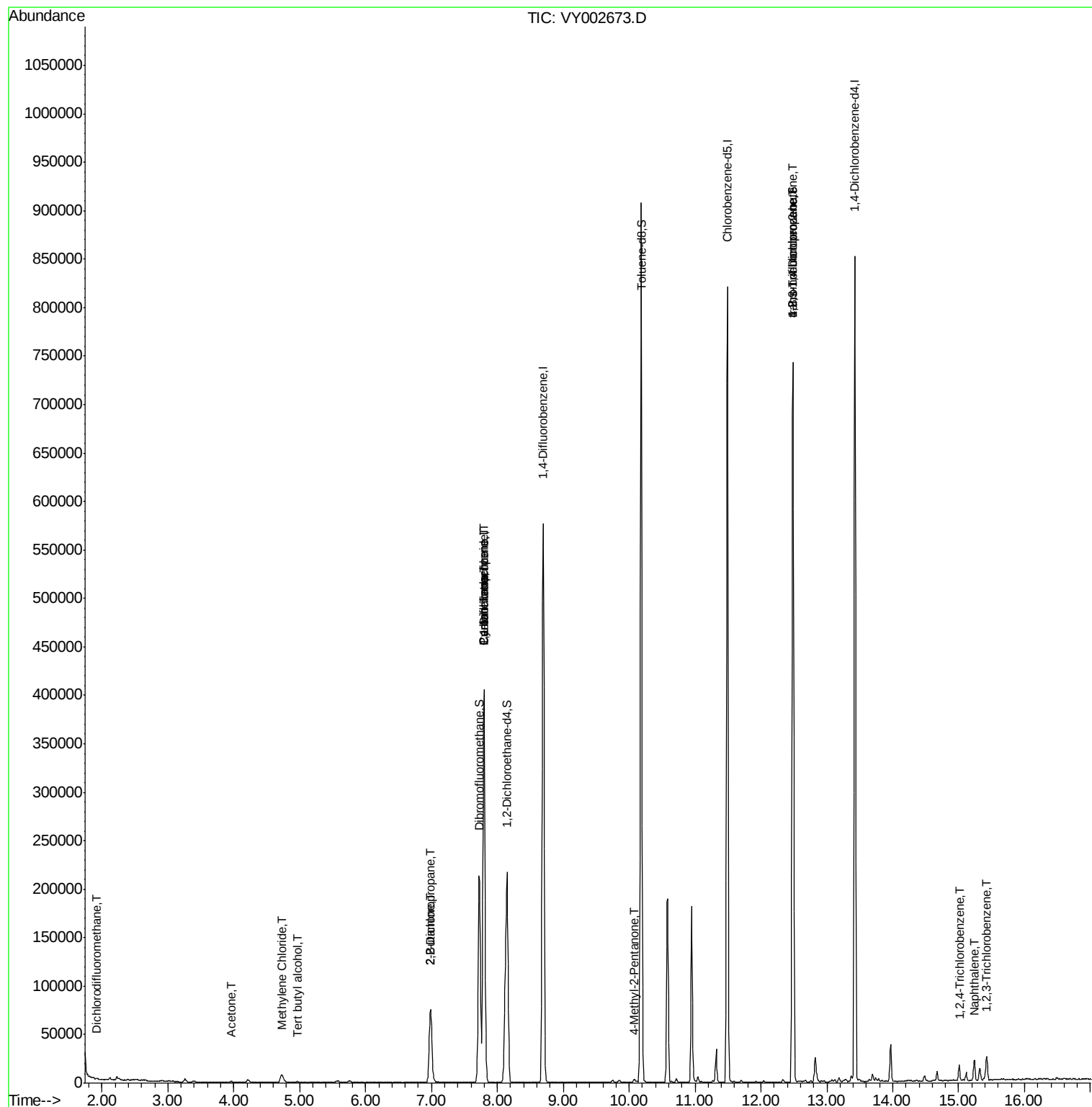
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	315	1.893	ug/l #	43
11) Tert butyl alcohol	4.96	59	1253	4.281	ug/l #	84
16) Acetone	3.96	43	1777	3.027	ug/l #	85
20) Methylene Chloride	4.72	84	6183	1.883	ug/l	96
25) 2-Butanone	6.99	43	3523	3.666	ug/l #	71
26) 2,2-Dichloropropane	6.99	77	5529	1.145	ug/l #	52
31) Cyclohexane	7.80	56	5115	1.000	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20855	4.723	ug/l #	49
38) Carbon Tetrachloride	7.80	117	29977	6.218	ug/l #	16
51) 4-Methyl-2-Pentanone	10.07	43	2513	1.146	ug/l	100
76) 1,2,3-Trichloropropane	12.48	75	95520	47.305	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	95520	94.856	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.01	180	5184	1.149	ug/l	100
95) Naphthalene	15.24	128	17214	2.092	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	8219	2.146	ug/l	98

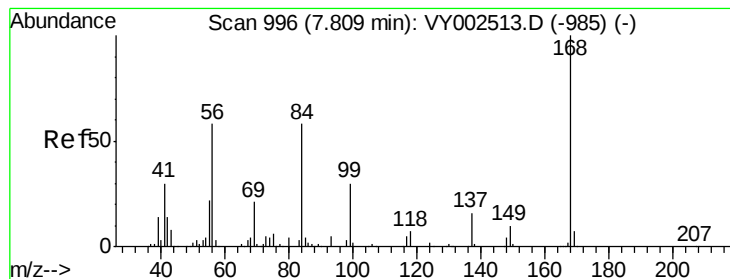
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
Data File : VY002673.D
Acq On : 13 May 2020 10:44
Operator : SY/MD
Sample : VD0513SBL01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 14 02:51:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002673.D

Acq: 13 May 2020 10:44

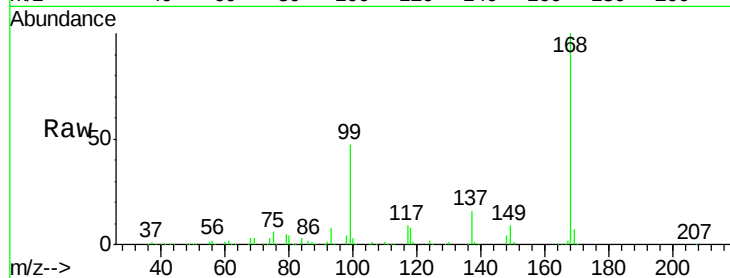
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 338336

Ion Ratio Lower Upper

168 100

99 47.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

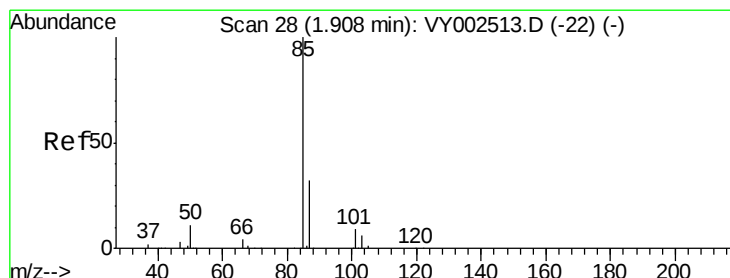
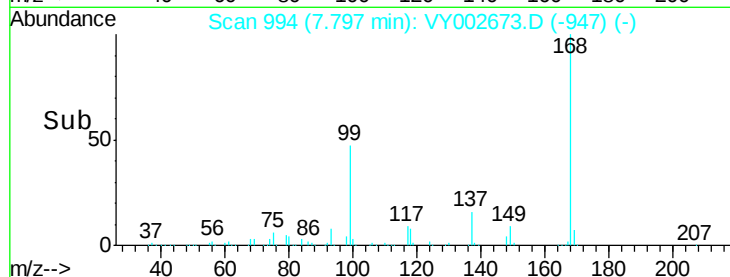
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.893 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002673.D

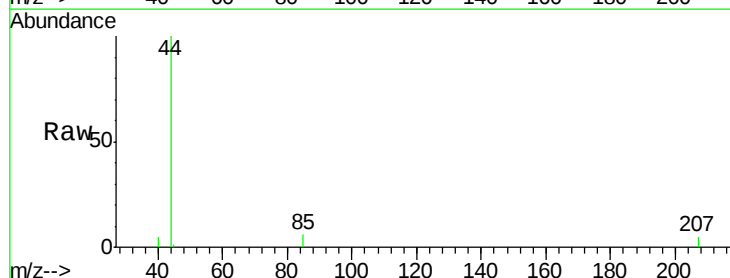
Acq: 13 May 2020 10:44

Tgt Ion: 85 Resp: 315

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

300

250

200

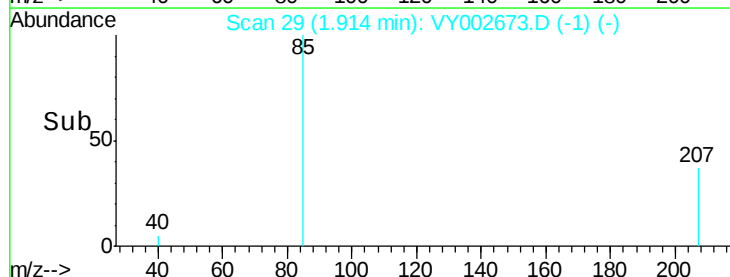
150

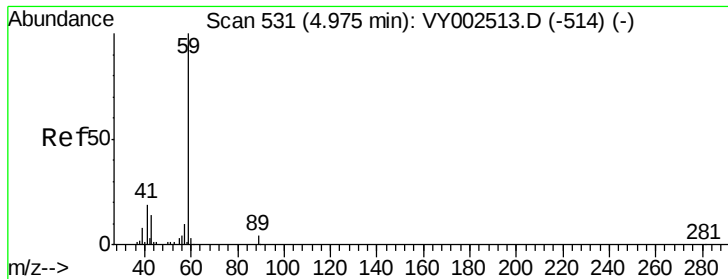
100

50

0

Time-->

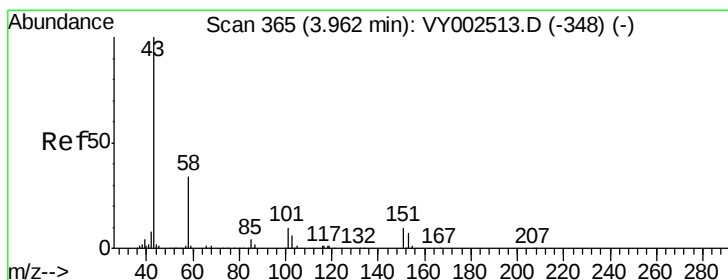
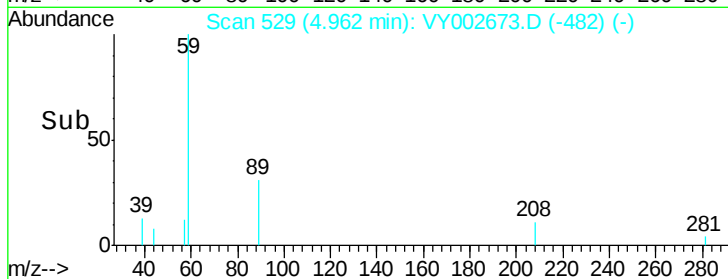
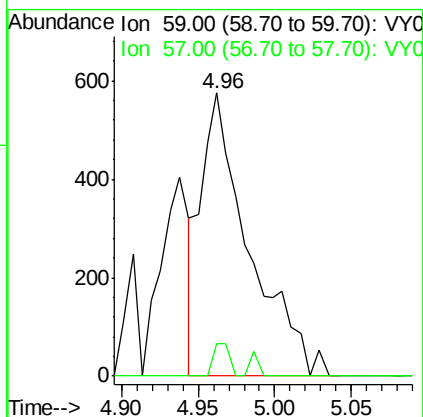
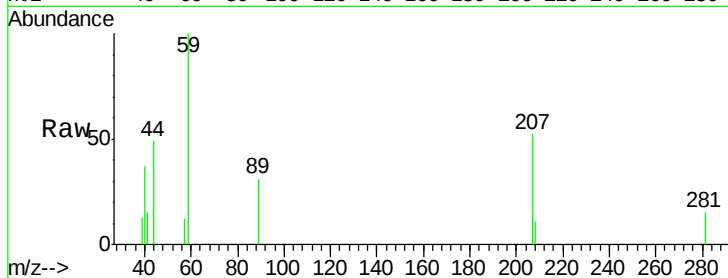




#11
Tert butyl alcohol
Concen: 4.281 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY002673.D
Acq: 13 May 2020 10:44

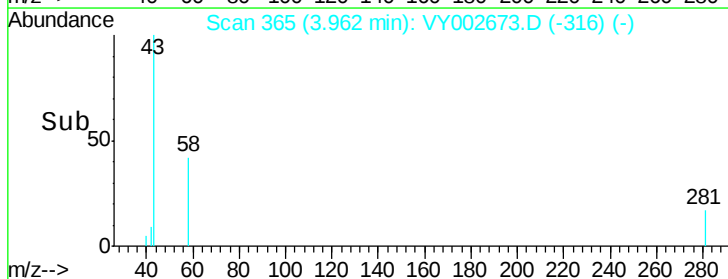
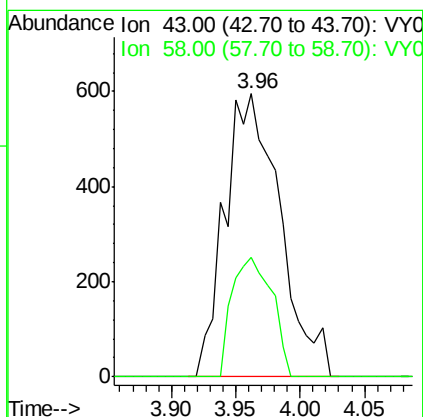
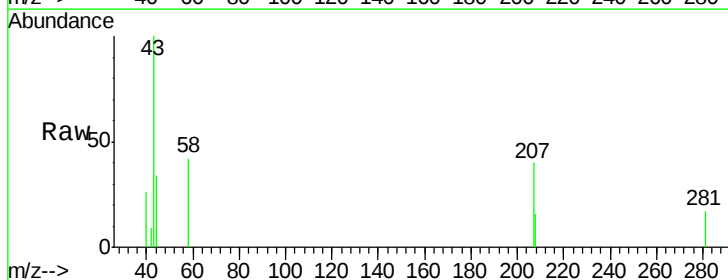
Instrument :
MSVOA_Y
ClientSampled :

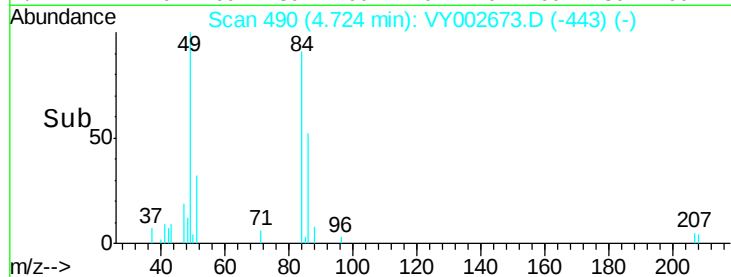
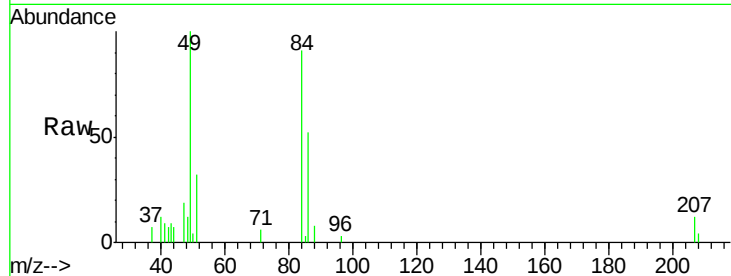
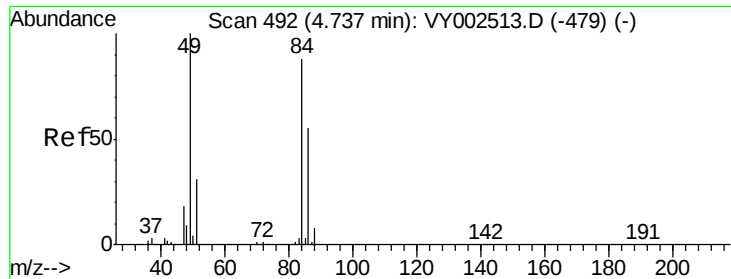
Tot Ion: 59 Resp: 1253
Ion Ratio Lower Upper
59 100
57 3.9 7.8 11.6#



#16
Acetone
Concen: 3.027 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.00 min
Lab File: VY002673.D
Acq: 13 May 2020 10:44

Tgt Ion: 43 Resp: 1777
Ion Ratio Lower Upper
43 100
58 42.2 26.9 40.3#

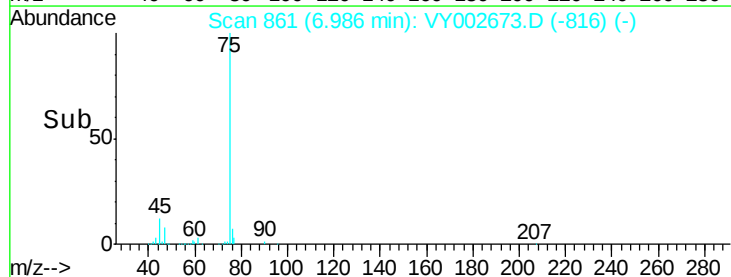
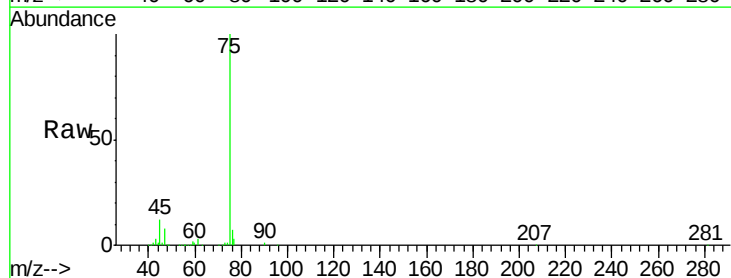
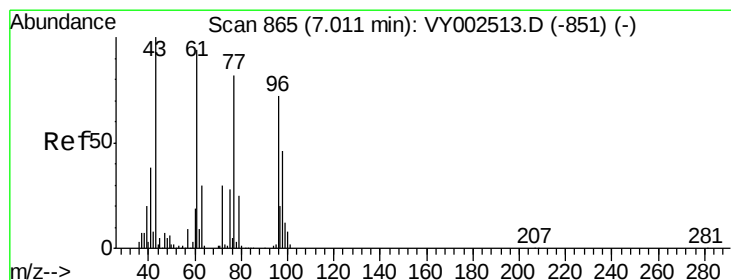
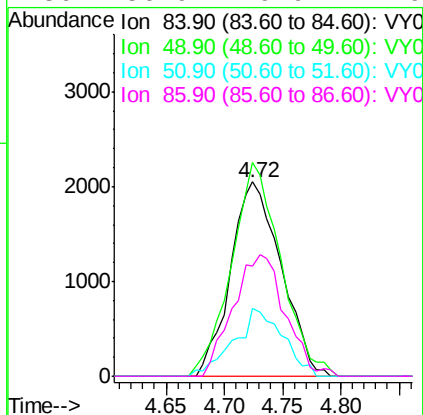




#20
Methvlene Chloride
Concen: 1.883 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002673.D
Acq: 13 May 2020 10:44

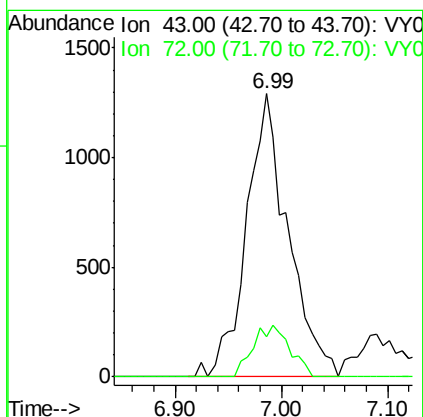
Instrument :
MSVOA_Y
ClientSampleId :

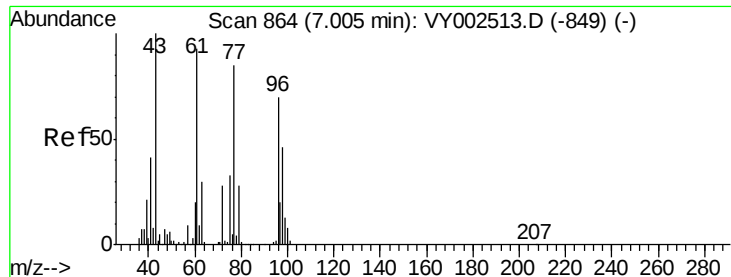
Tot Ion: 84 Resp: 6183
Ion Ratio Lower Upper
84 100
49 110.1 90.5 135.7
51 34.9 28.3 42.5
86 56.9 49.9 74.9



#25
2-Butanone
Concen: 3.666 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.02 min
Lab File: VY002673.D
Acq: 13 May 2020 10:44

Tgt Ion: 43 Resp: 3523
Ion Ratio Lower Upper
43 100
72 14.3 24.1 36.1#





#26

2,2-Dichloropropane

Concen: 1.145 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002673.D

Acq: 13 May 2020 10:44

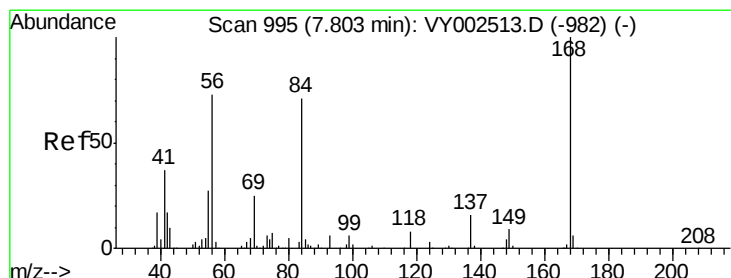
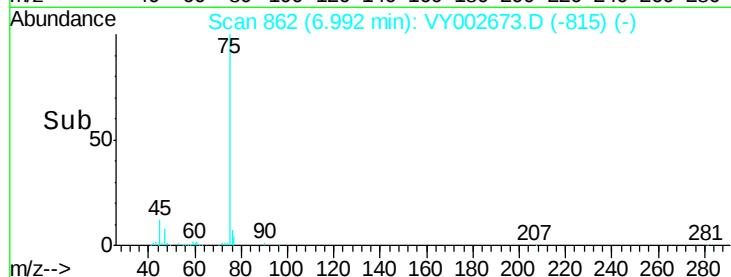
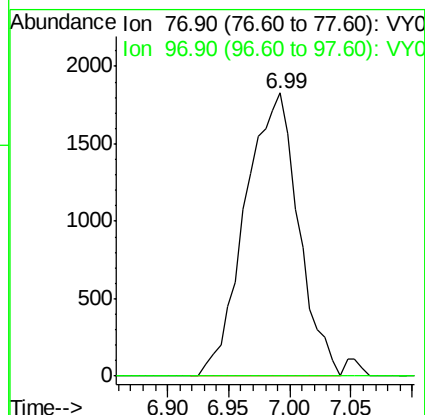
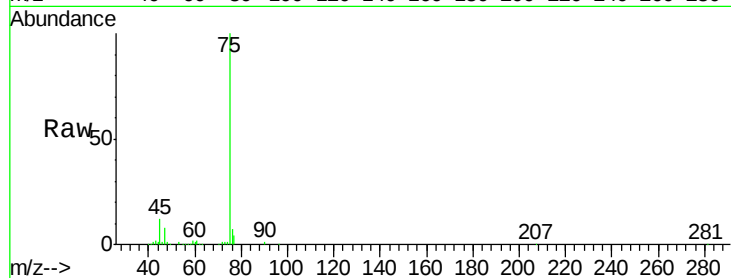
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 77 Resp: 5529

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.5#



#31

Cyclohexane

Concen: 1.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002673.D

Acq: 13 May 2020 10:44

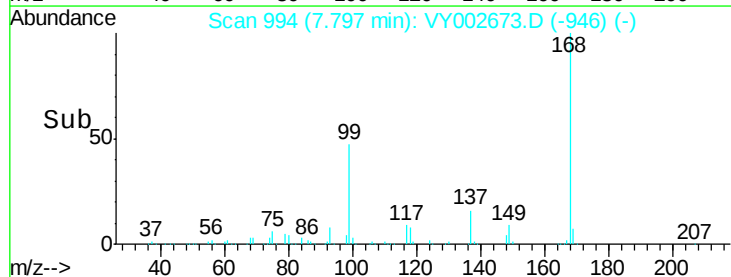
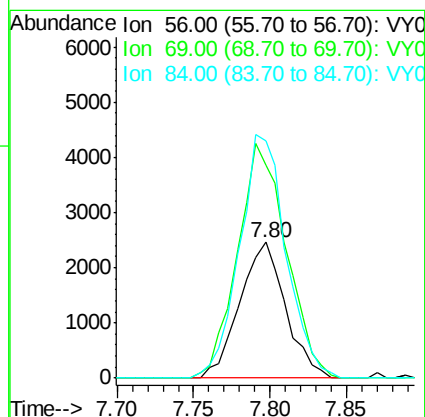
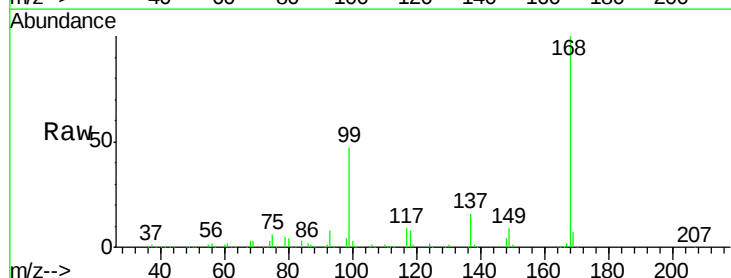
Tgt Ion: 56 Resp: 5115

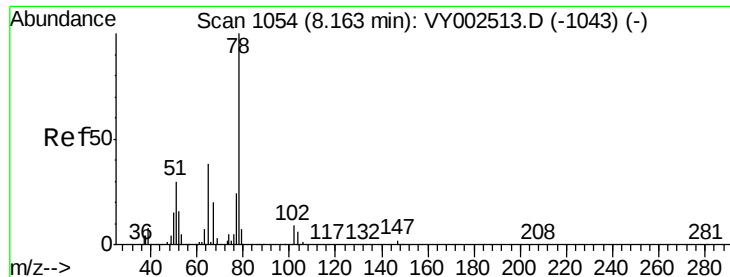
Ion Ratio Lower Upper

56 100

69 156.6 27.6 41.4#

84 174.6 77.7 116.5#

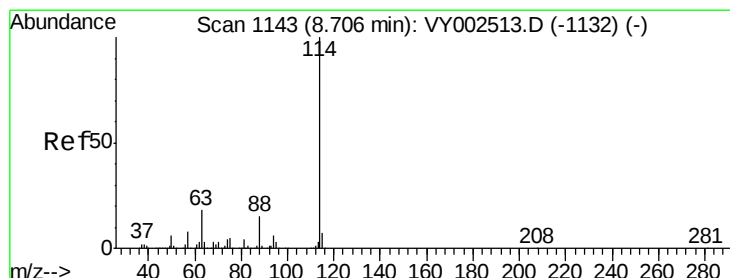
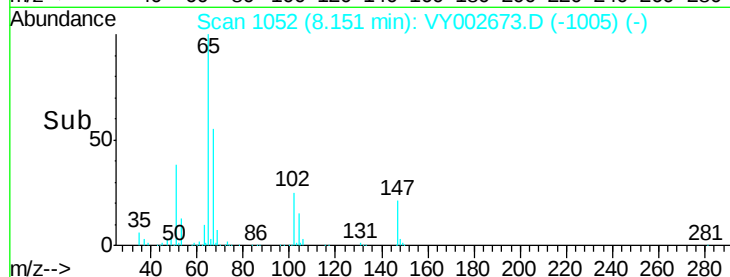
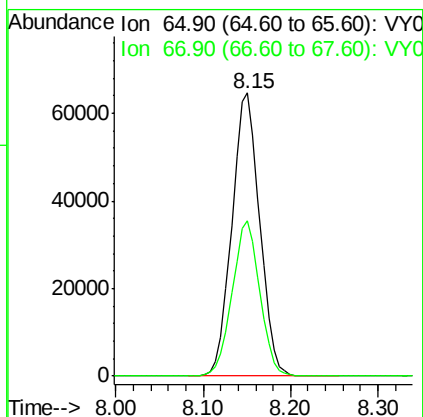
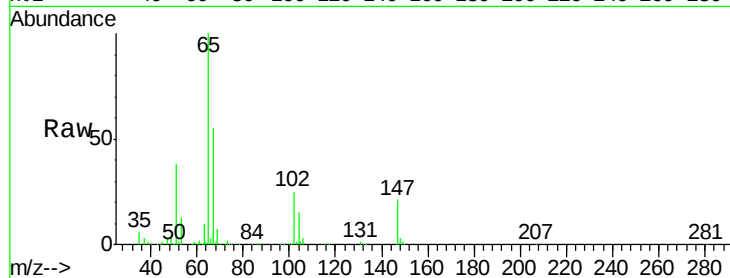




#33
 1,2-Dichloroethane-d4
 Concen: 50.097 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002673.D
 Acq: 13 May 2020 10:44

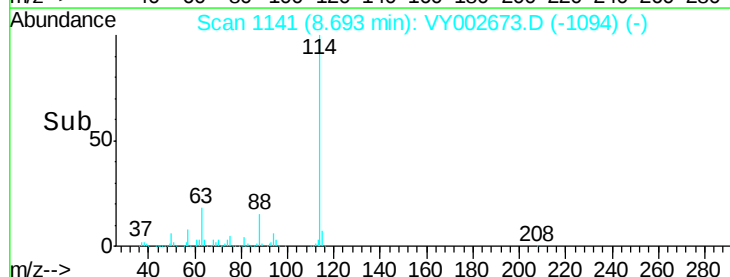
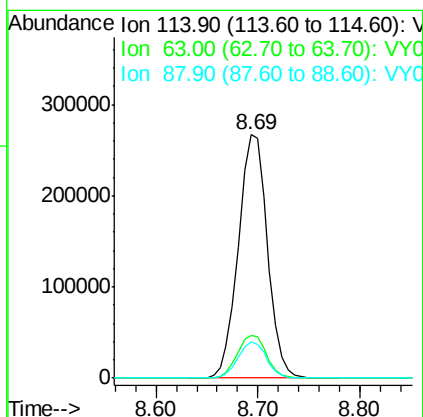
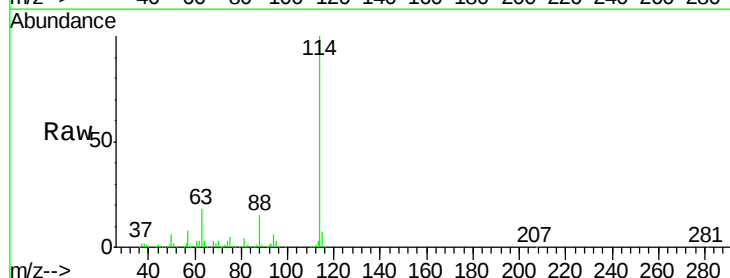
Instrument :
 MSVOA_Y
 ClientSampleId :

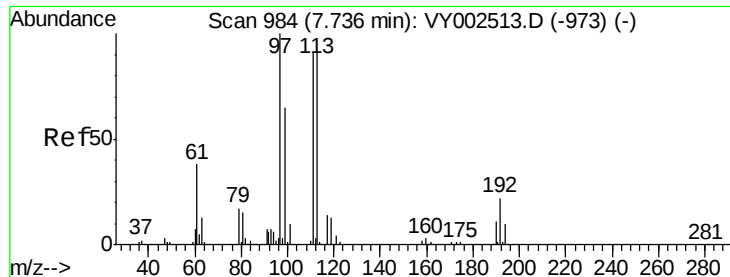
Tot Ion: 65 Resp: 142515
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002673.D
 Acq: 13 May 2020 10:44

Tgt Ion: 114 Resp: 526730
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.4
 88 14.7 0.0 29.6

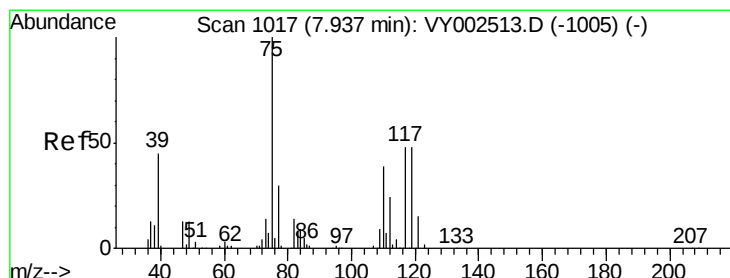
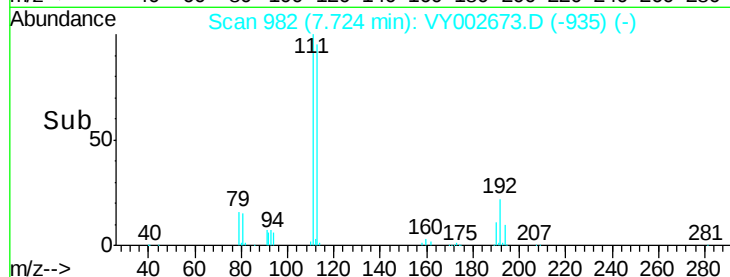
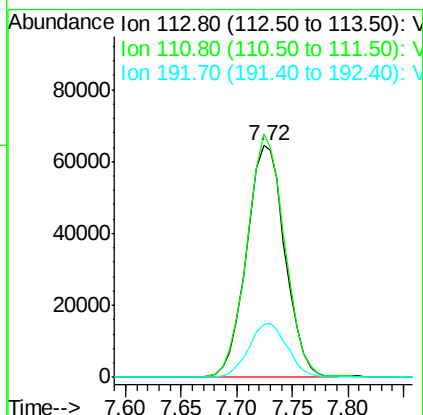
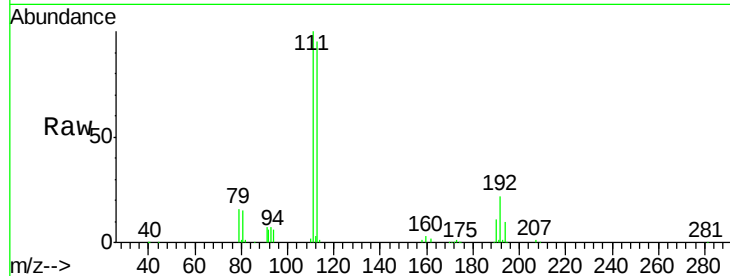




#35
 Dibromofluoromethane
 Concen: 51.524 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002673.D
 Acq: 13 May 2020 10:44

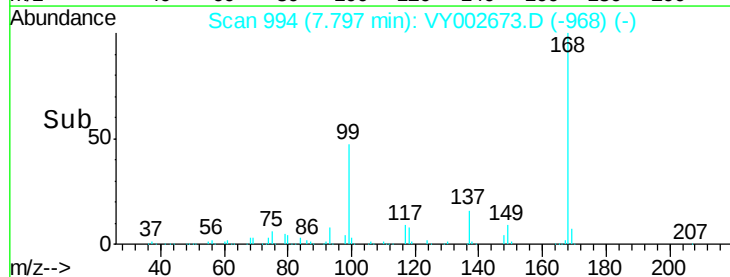
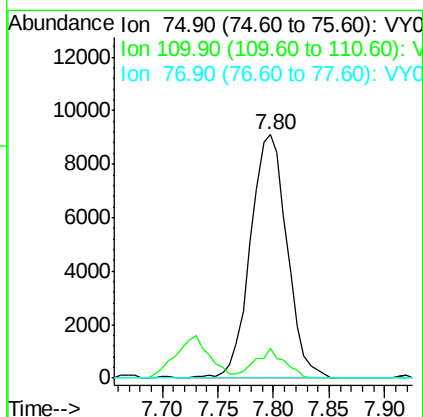
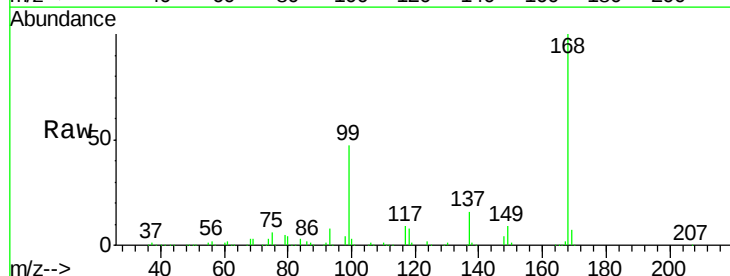
Instrument :
 MSVOA_Y
 ClientSampled :

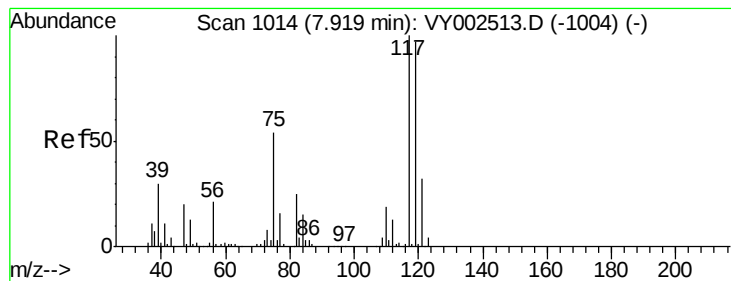
Tot Ion:113 Resp: 155209
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.8 122.6
 192 23.2 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002673.D
 Acq: 13 May 2020 10:44

Tgt Ion: 75 Resp: 20855
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.1 57.3#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.218 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002673.D

Acq: 13 May 2020 10:44

Instrument :

MSVOA_Y

ClientSampleId :

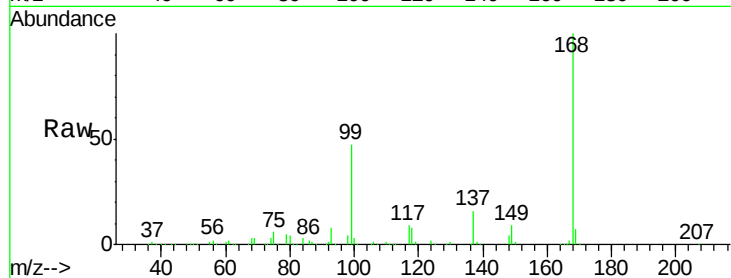
Tot Ion:117 Resp: 29977

Ion Ratio Lower Upper

117 100

119 5.9 77.1 115.7#

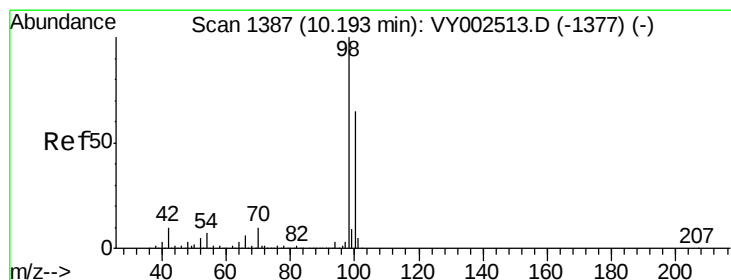
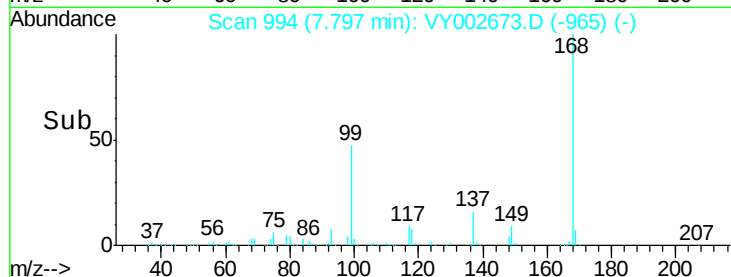
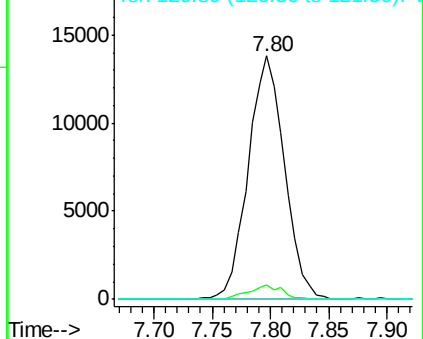
121 0.0 25.2 37.8#



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: 52.159 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002673.D

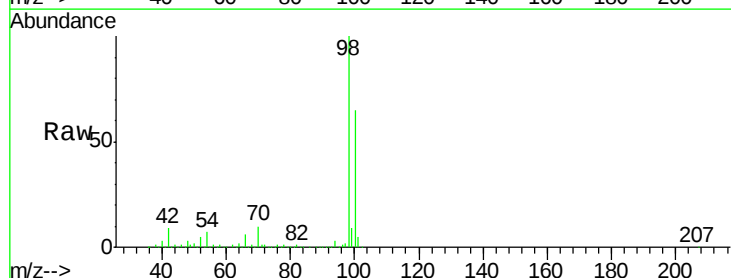
Acq: 13 May 2020 10:44

Tgt Ion: 98 Resp: 613589

Ion Ratio Lower Upper

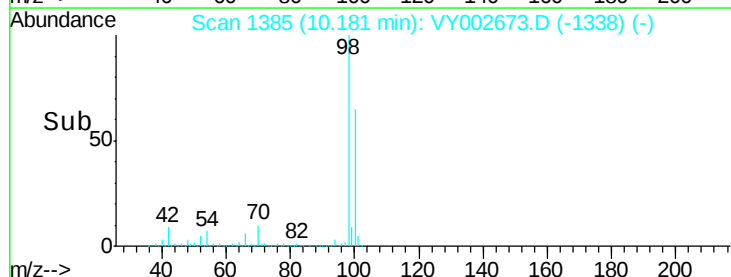
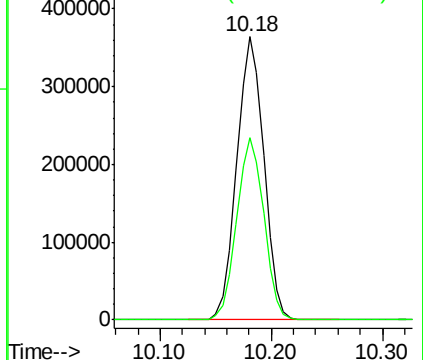
98 100

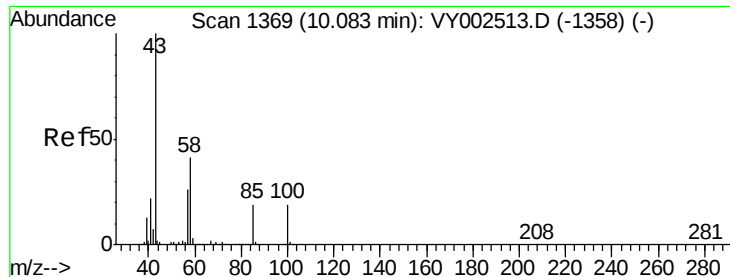
100 64.6 52.2 78.2



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: 1.146 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002673.D

Acq: 13 May 2020 10:44

Instrument :

MSVOA_Y

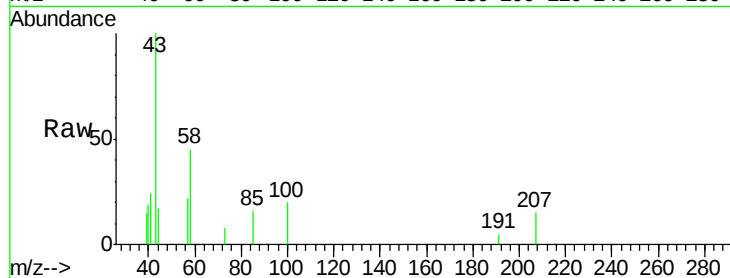
ClientSampleId :

Tot Ion: 43 Resp: 2513

Ion Ratio Lower Upper

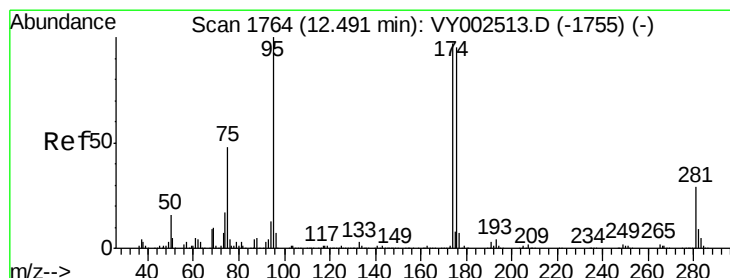
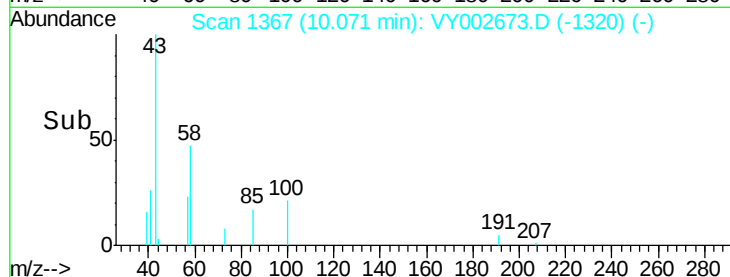
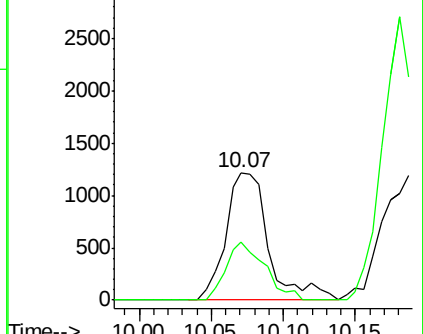
43 100

58 41.7 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 49.209 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002673.D

Acq: 13 May 2020 10:44

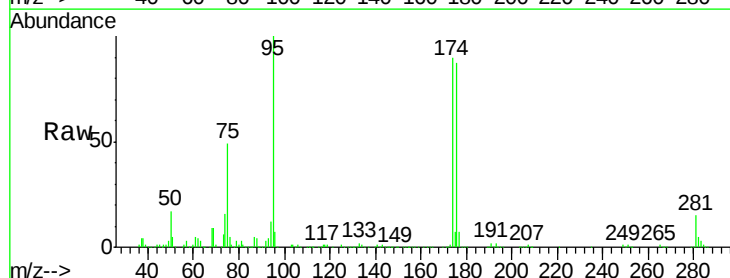
Tgt Ion: 95 Resp: 196428

Ion Ratio Lower Upper

95 100

174 94.4 0.0 188.8

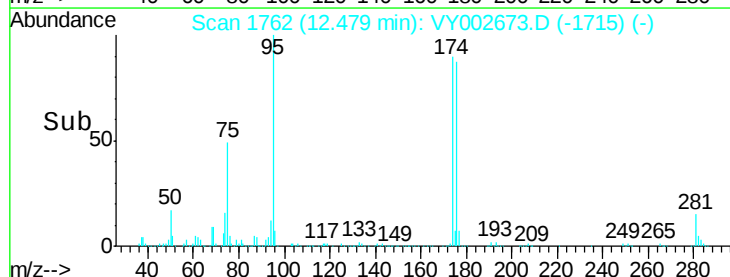
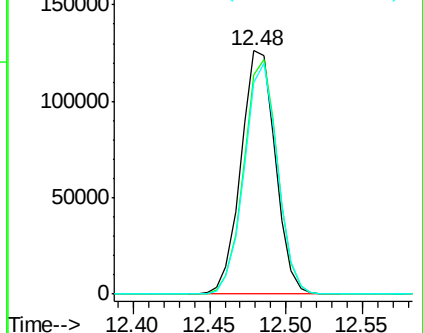
176 92.2 0.0 183.2

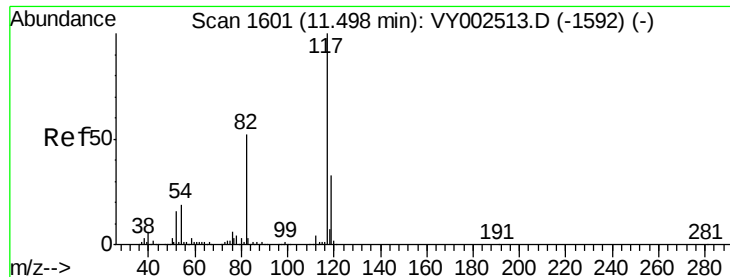


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

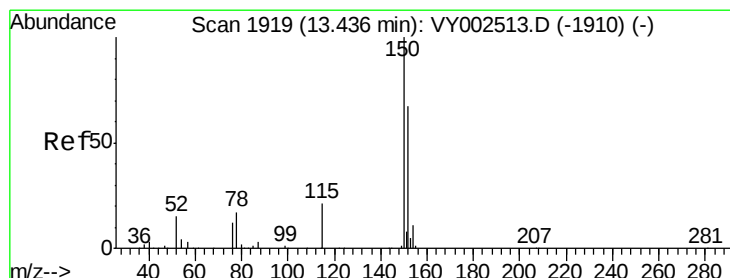
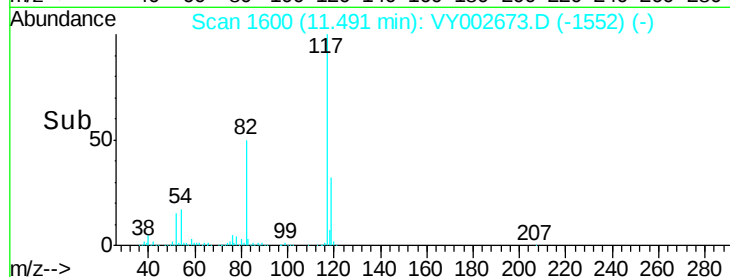
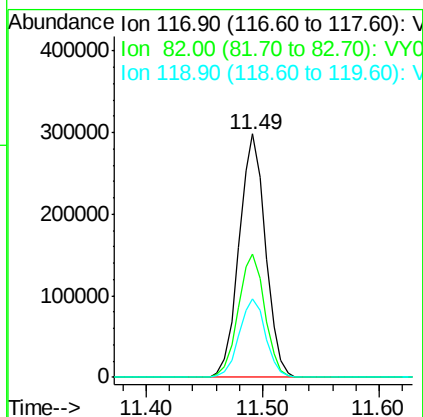
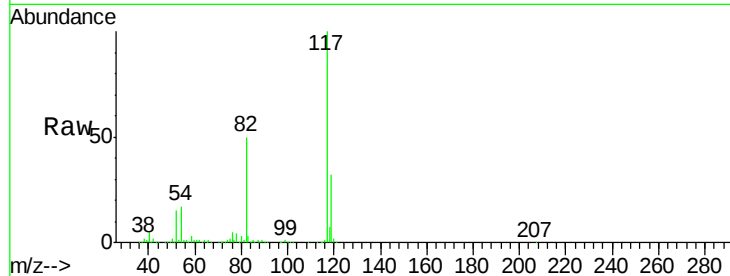




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002673.D
Acq: 13 May 2020 10:44

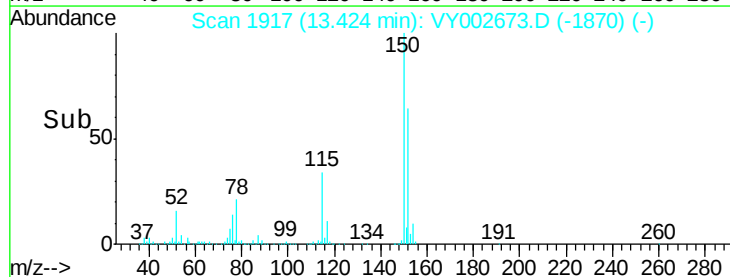
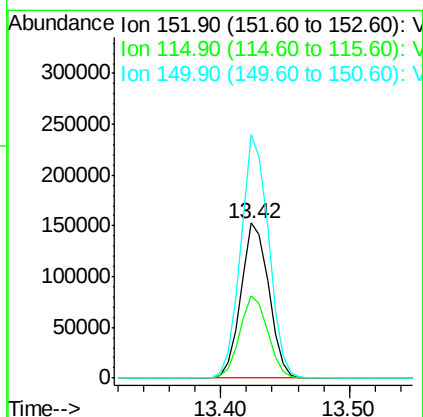
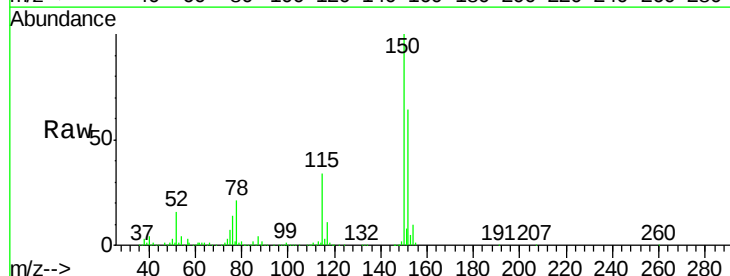
Instrument :
MSVOA_Y
ClientSampleId :

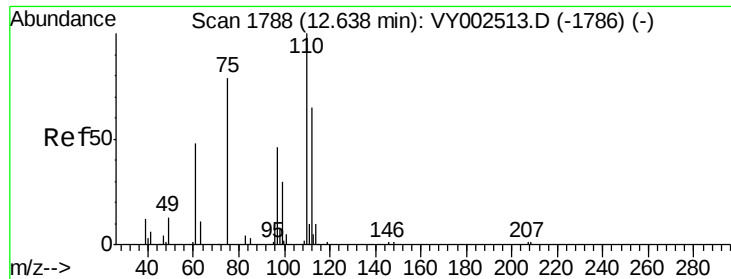
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.3	61.9
119	32.2	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002673.D
Acq: 13 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	27.5	82.4
150	156.6	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 47.305 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002673.D

Acq: 13 May 2020 10:44

Instrument :

MSVOA_Y

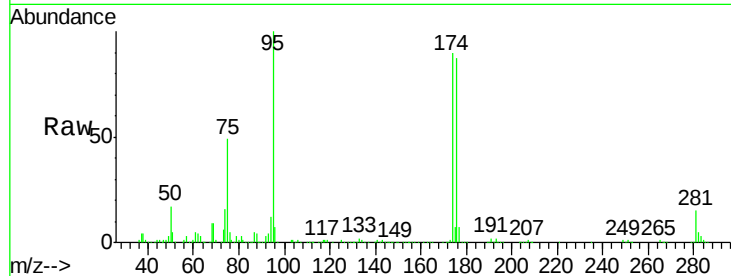
ClientSampleId :

Tot Ion: 75 Resp: 95520

Ion Ratio Lower Upper

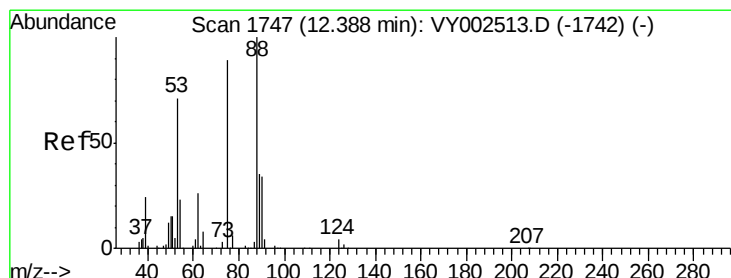
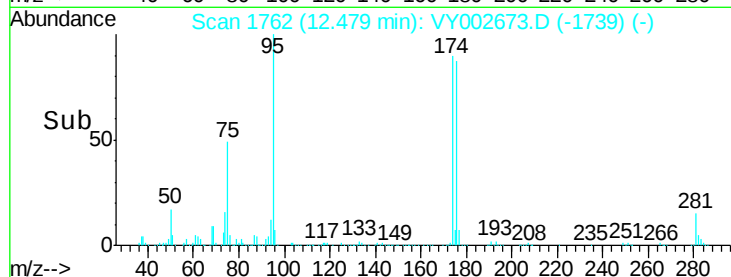
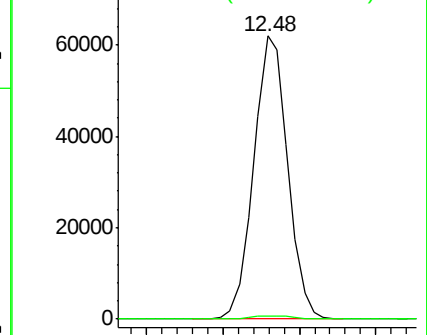
75 100

77 1.5 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: 94.856 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002673.D

Acq: 13 May 2020 10:44

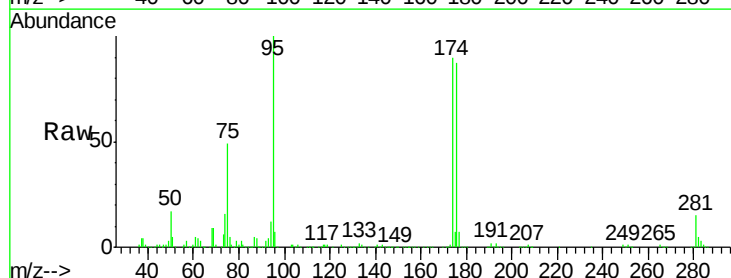
Tgt Ion: 75 Resp: 95520

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

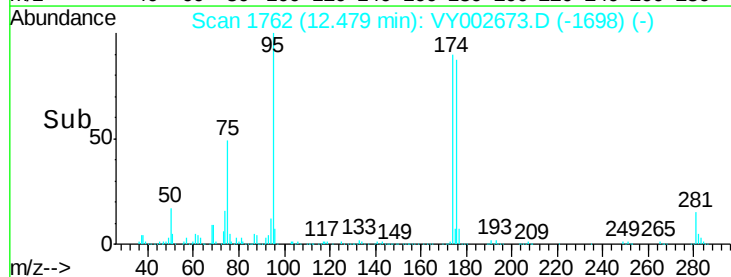
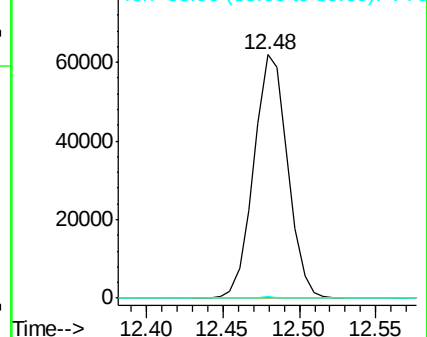
89 0.6 37.4 56.0#

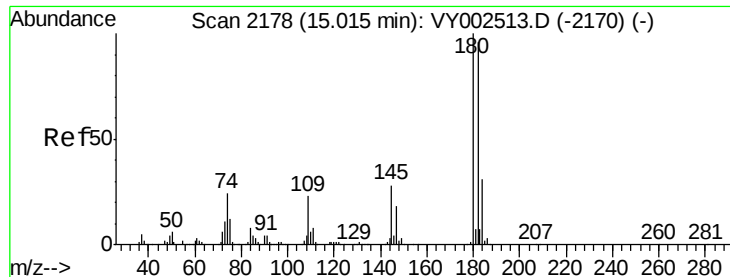


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

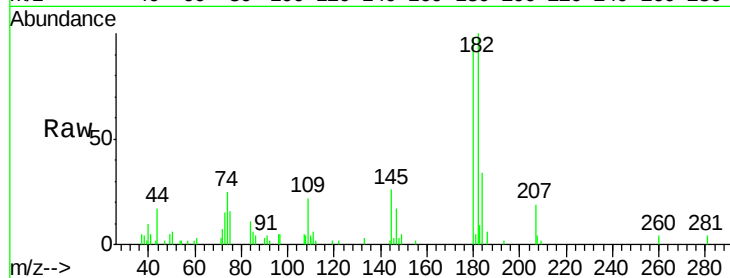




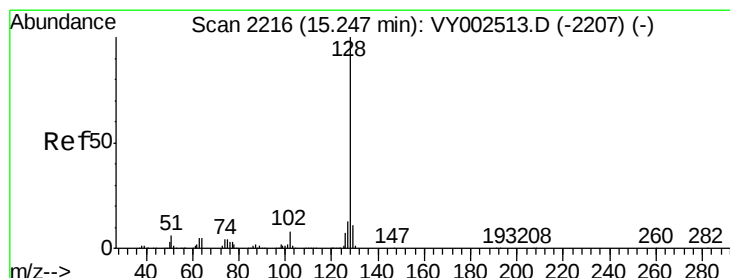
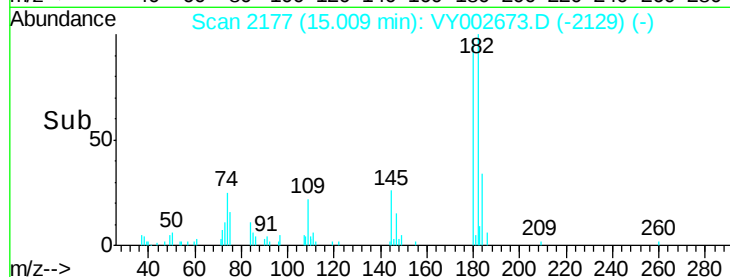
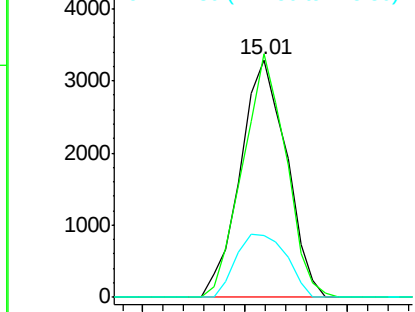
#93
 1,2,4-Trichlorobenzene
 Concen: 1.149 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002673.D
 Acq: 13 May 2020 10:44

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	28.9	14.4	43.0

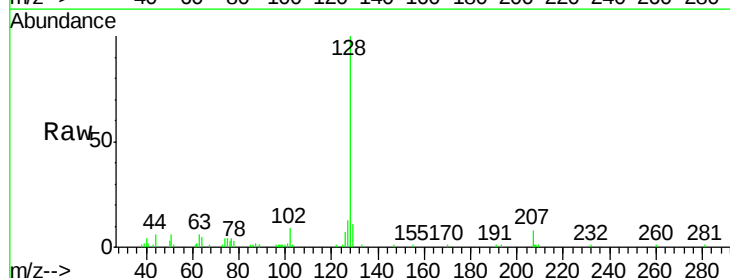


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

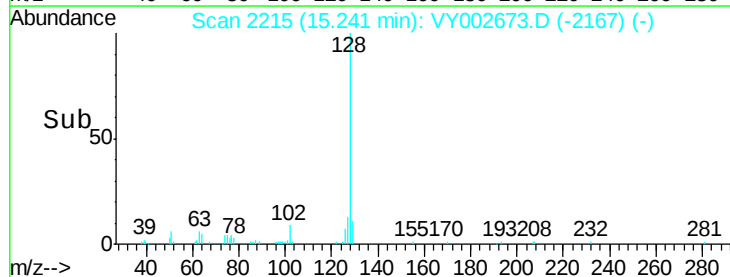
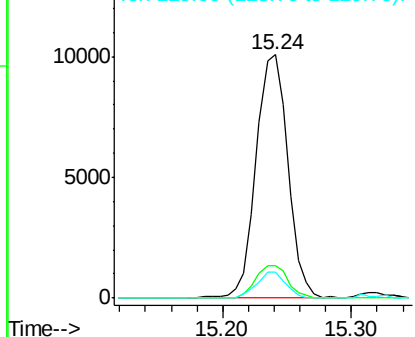


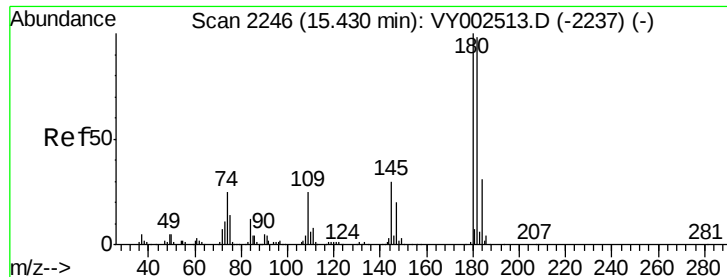
#95
 Naphthalene
 Concen: 2.092 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY002673.D
 Acq: 13 May 2020 10:44

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	9.7	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.146 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.01 min

Lab File: VY002673.D

Acq: 13 May 2020 10:44

Instrument :

MSVOA_Y

ClientSampleId :

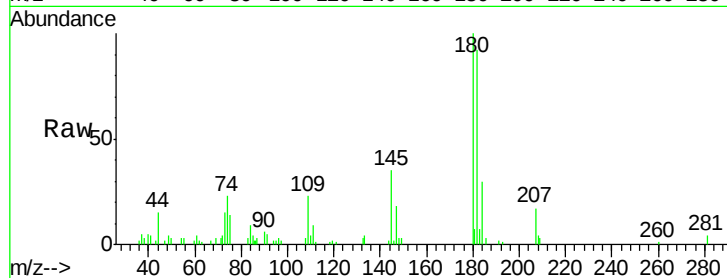
Tot Ion:180 Resp: 8219

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.8

145 31.9 15.0 45.1



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

