

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002576.D
 Acq On : 05 May 2020 10:49
 Operator : SY/MD
 Sample : VY0505SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBL01

Quant Time: May 06 03:16:49 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	417475	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	622288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	561742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	292952	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	174916	49.83	ug/l	-0.01
Spiked Amount			Recovery	=	99.66%	
35) Dibromofluoromethane	7.73	113	182500	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	10.19	98	707446	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.49	95	243440	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	

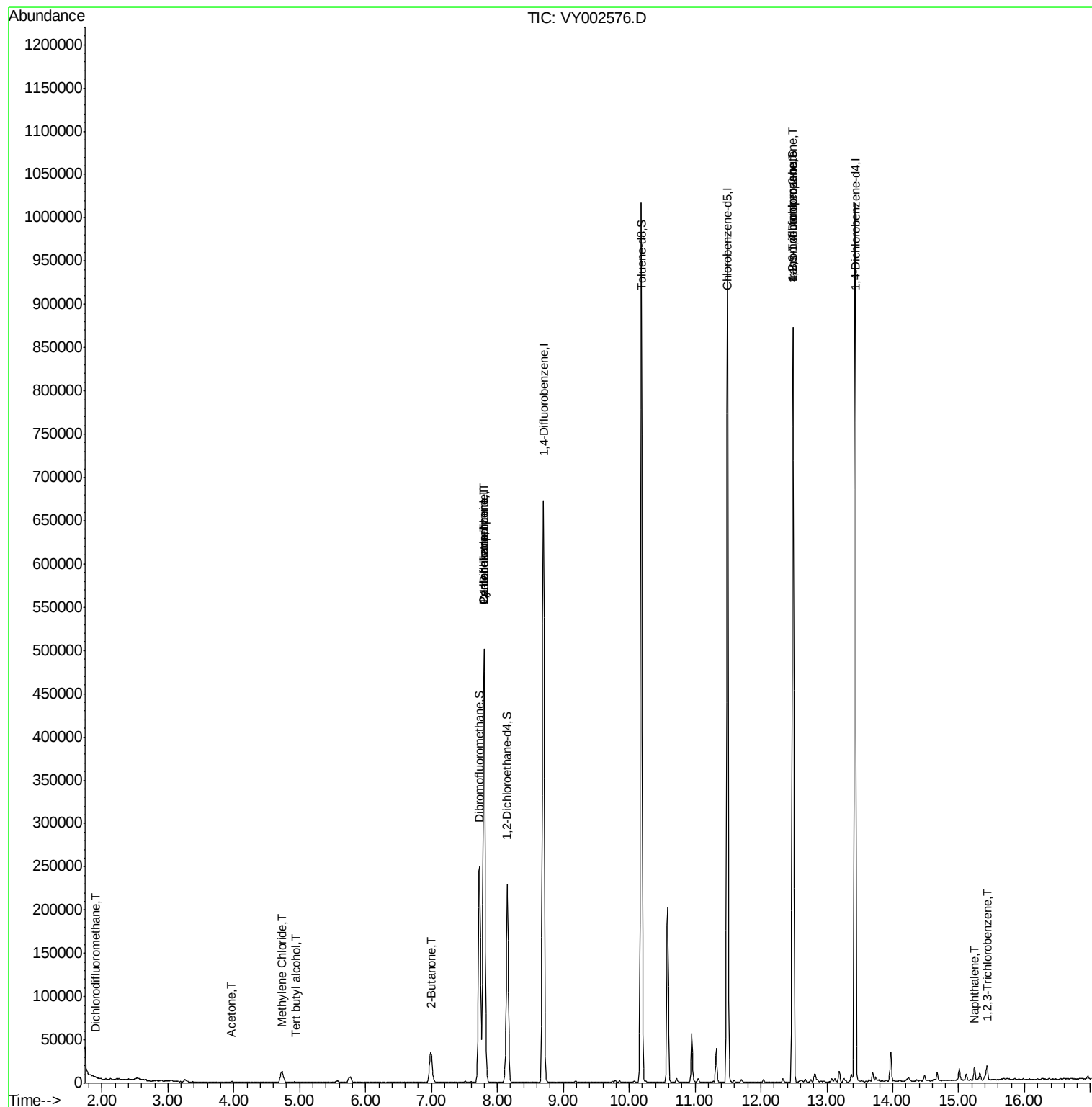
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	464	1.914	ug/l	84
11) Tert butyl alcohol	4.95	59	1391	3.852	ug/l #	74
16) Acetone	3.96	43	1543	2.130	ug/l #	65
20) Methylene Chloride	4.73	84	10067	2.485	ug/l	95
25) 2-Butanone	7.00	43	1811	1.527	ug/l #	59
31) Cyclohexane	7.79	56	6825	1.082	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	26620	5.103	ug/l #	49
38) Carbon Tetrachloride	7.80	117	37761	6.630	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	117323	45.066	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	117323	90.366	ug/l #	15
95) Naphthalene	15.24	128	12180	1.148	ug/l	96
96) 1,2,3-Trichlorobenzene	15.43	180	5843	1.183	ug/l	98

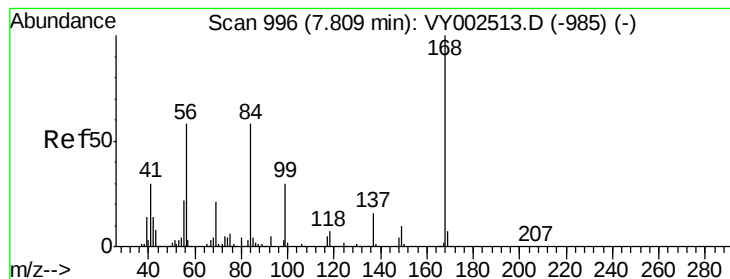
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 06 03:16:49 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: VY002576.D

Acq: 05 May 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

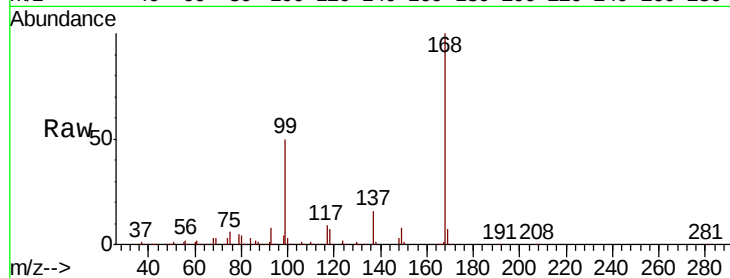
VY0505SBL01

Tot Ion:168 Resp: 417475

Ion Ratio Lower Upper

168 100

99 49.8 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

200000

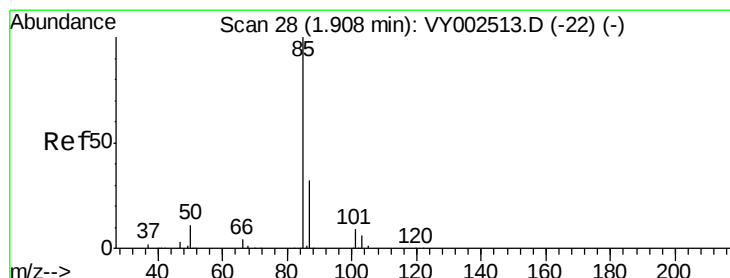
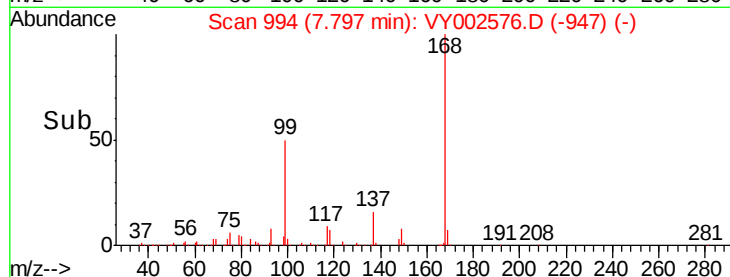
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.914 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002576.D

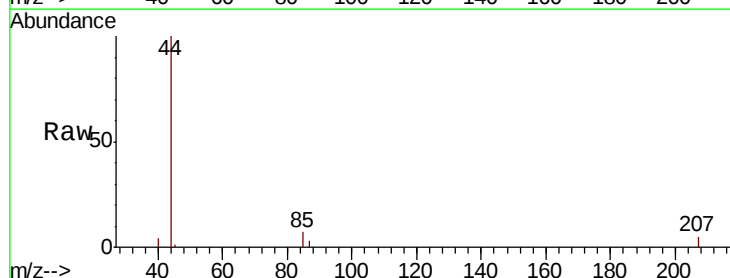
Acq: 05 May 2020 10:49

Tgt Ion: 85 Resp: 464

Ion Ratio Lower Upper

85 100

87 40.4 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

400

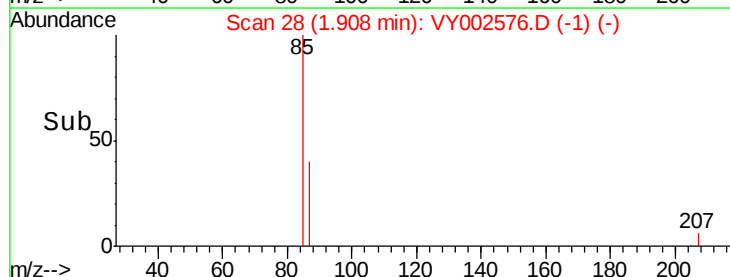
300

200

100

0

Time-->



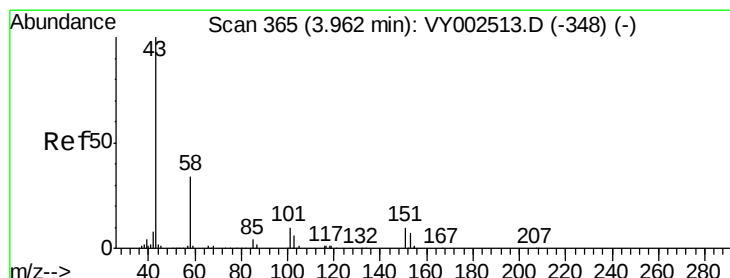
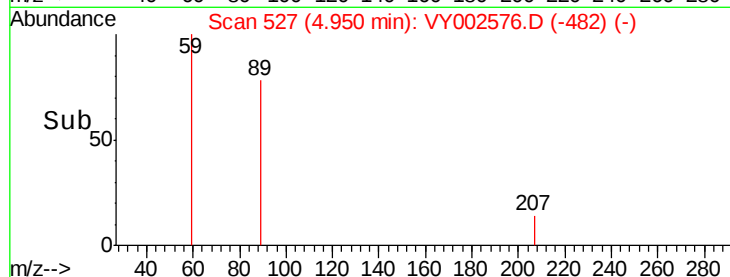
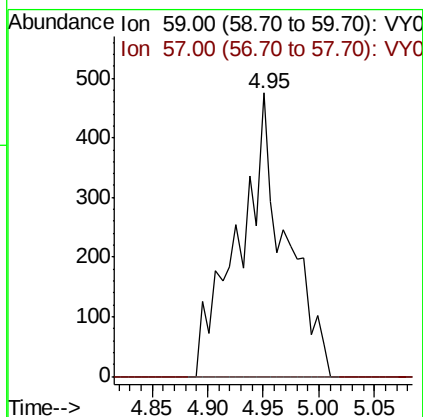
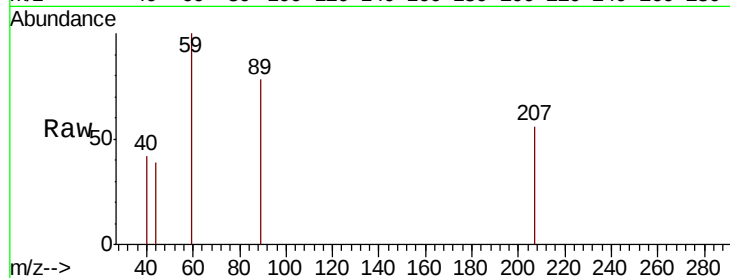


#11

Tert butyl alcohol
 Concen: 3.852 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.02 min
 Lab File: VY002576.D
 Acq: 05 May 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBL01

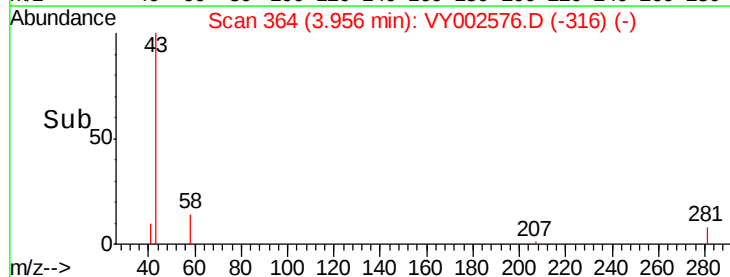
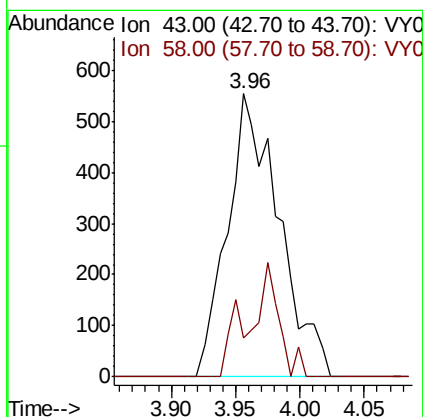
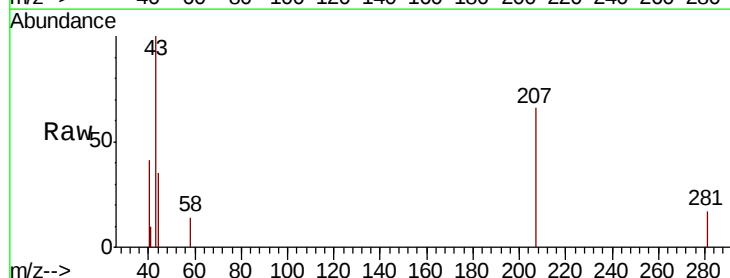
Tot Ion: 59 Resp: 1391
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

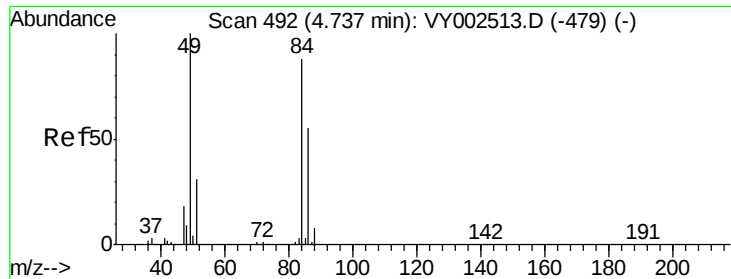


#16

Acetone
 Concen: 2.130 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VY002576.D
 Acq: 05 May 2020 10:49

Tgt Ion: 43 Resp: 1543
 Ion Ratio Lower Upper
 43 100
 58 13.9 26.9 40.3#

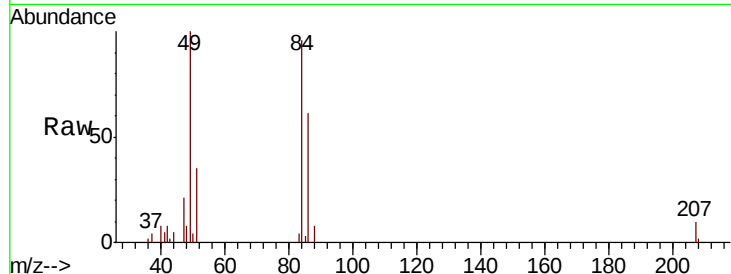




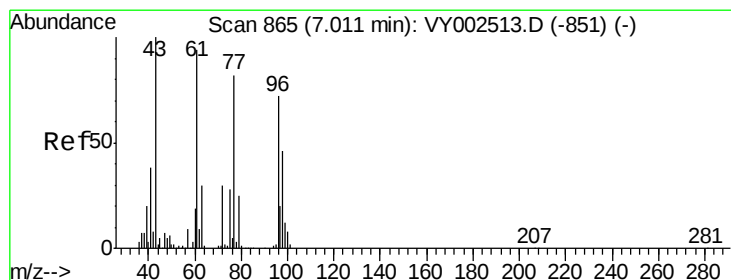
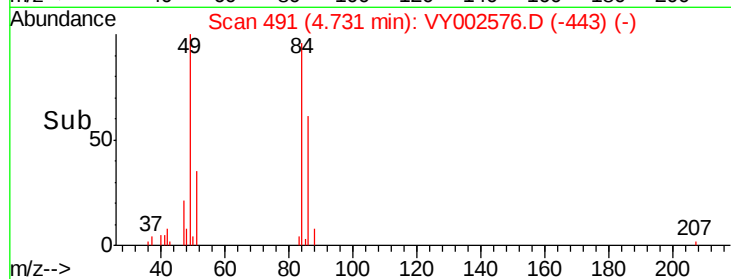
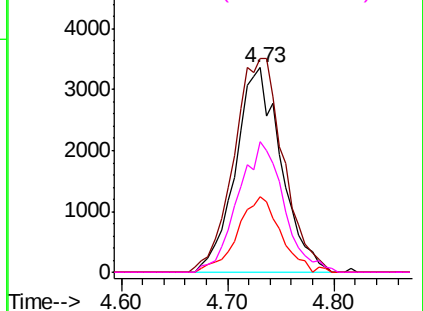
#20
Methvlene Chloride
Concen: 2.485 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002576.D
Acq: 05 May 2020 10:49

Instrument :
MSVOA_Y
ClientSampled :
VY0505SBL01

Tot Ion: 84	Resp: 10067
Ion Ratio	Lower Upper
84 100	
49 104.3	90.5 135.7
51 36.7	28.3 42.5
86 63.6	49.9 74.9

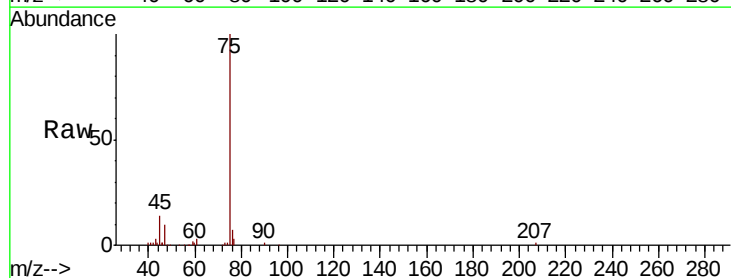


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

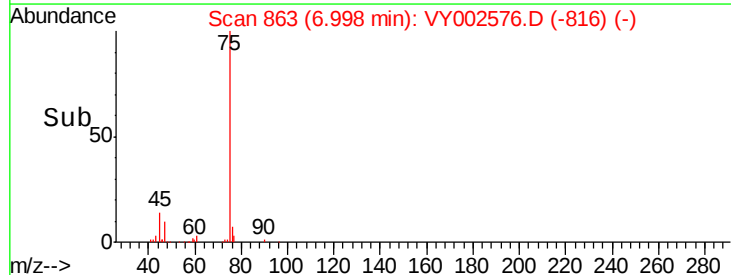
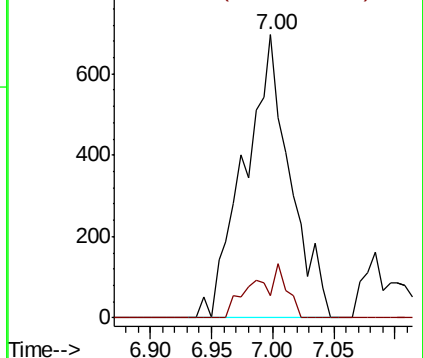


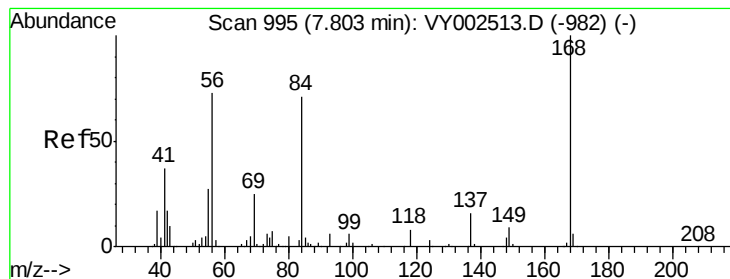
#25
2-Butanone
Concen: 1.527 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002576.D
Acq: 05 May 2020 10:49

Tgt Ion: 43	Resp: 1811
Ion Ratio	Lower Upper
43 100	
72 7.9	24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.082 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002576.D

Acq: 05 May 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBL01

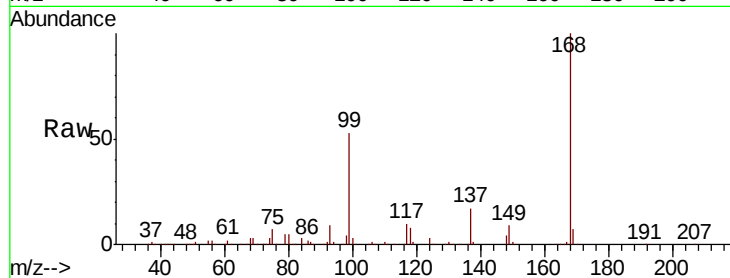
Tot Ion: 56 Resp: 6825

Ion Ratio Lower Upper

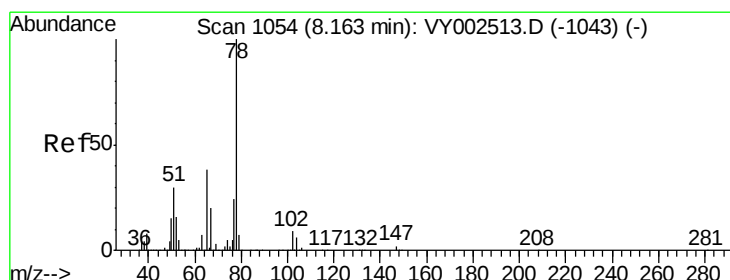
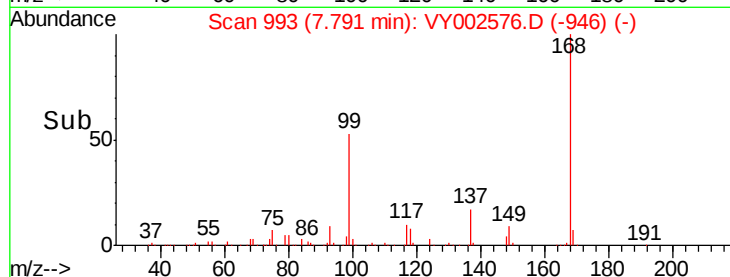
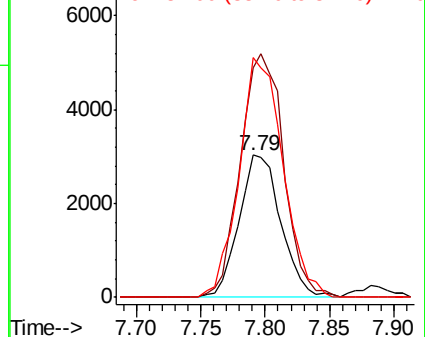
56 100

69 161.5 27.6 41.4#

84 168.4 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: 49.831 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002576.D

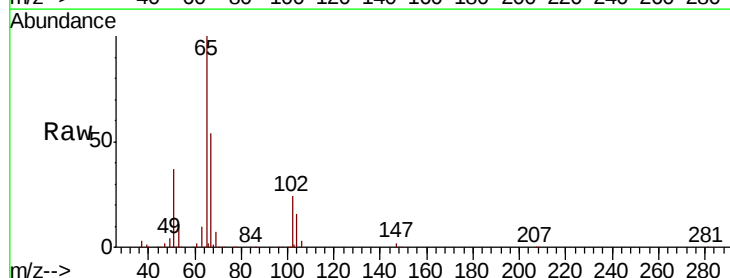
Acq: 05 May 2020 10:49

Tgt Ion: 65 Resp: 174916

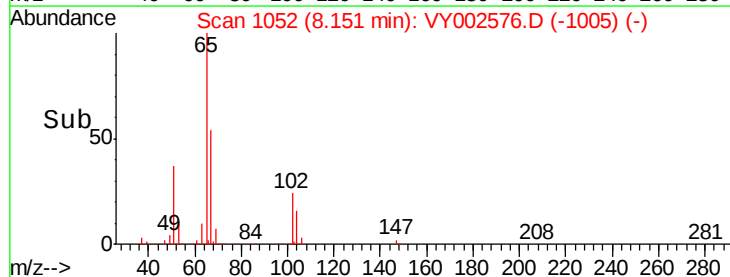
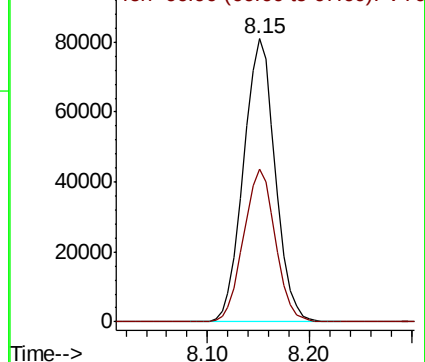
Ion Ratio Lower Upper

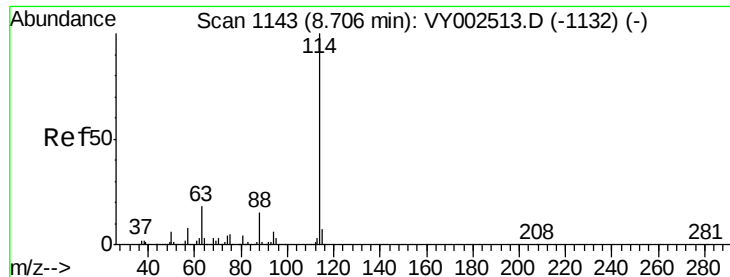
65 100

67 54.0 0.0 107.2



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

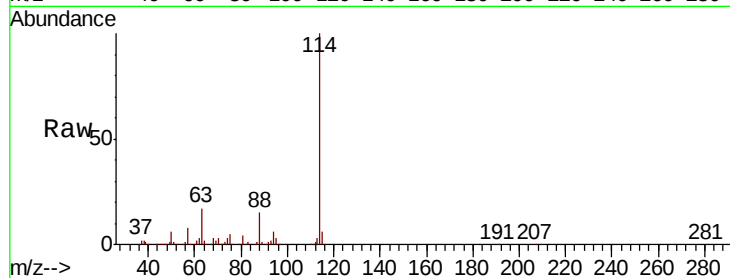




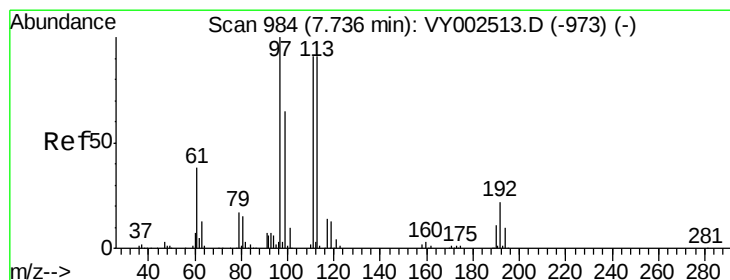
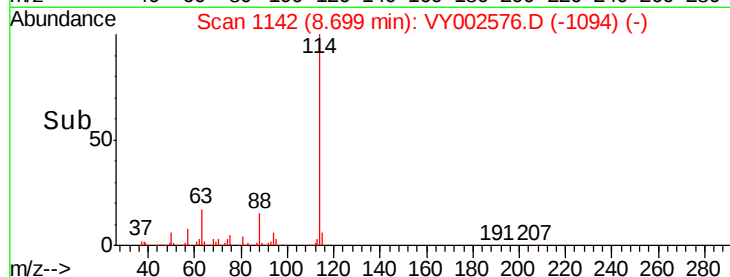
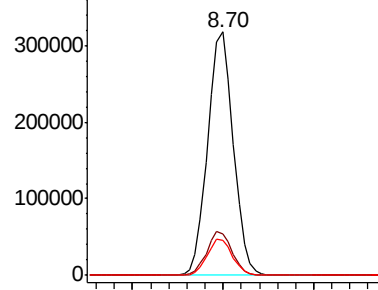
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002576.D
 Acq: 05 May 2020 10:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	36.4
88	14.6	0.0	29.6

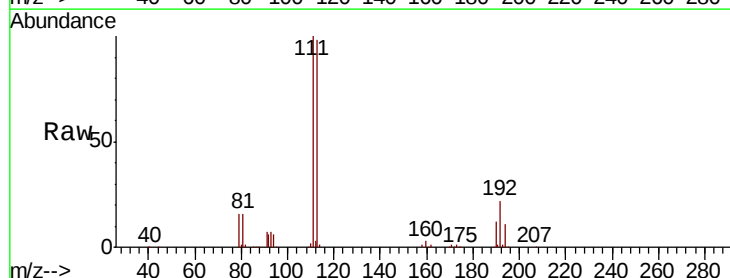


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

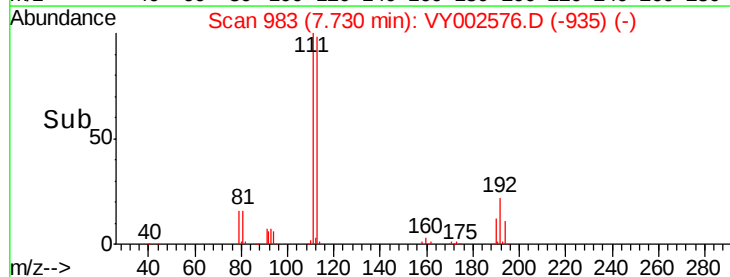
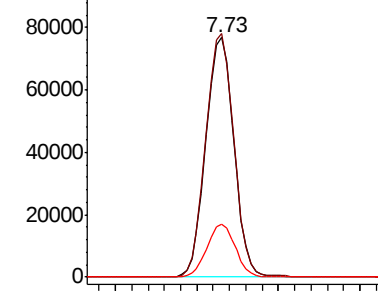


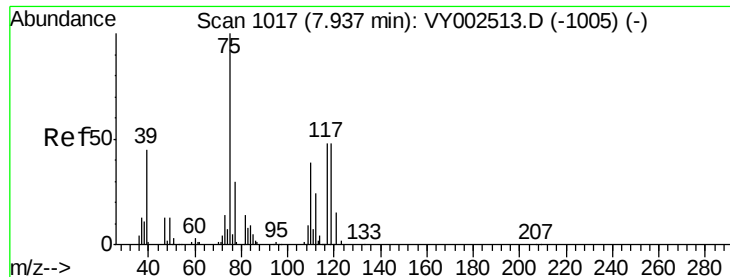
#35
 Dibromofluoromethane
 Concen: 51.280 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002576.D
 Acq: 05 May 2020 10:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	22.3	18.2	27.4



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

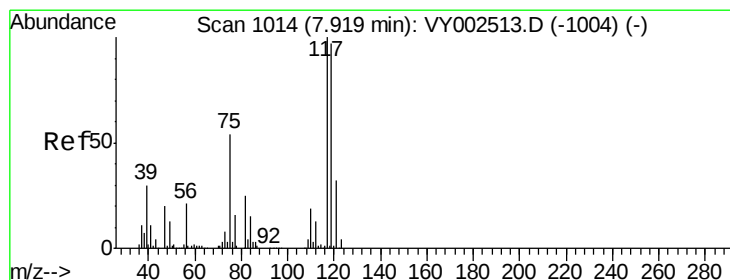
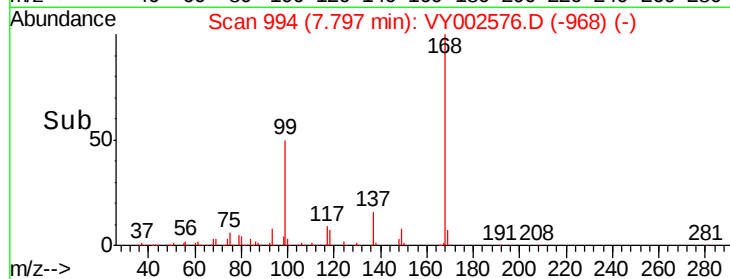
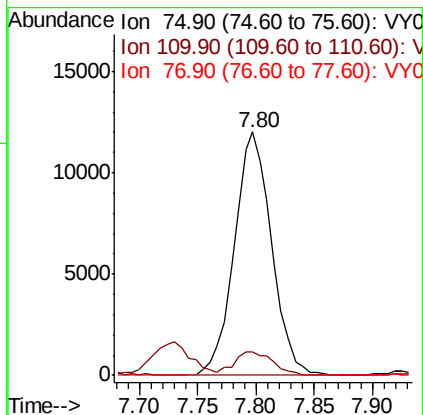
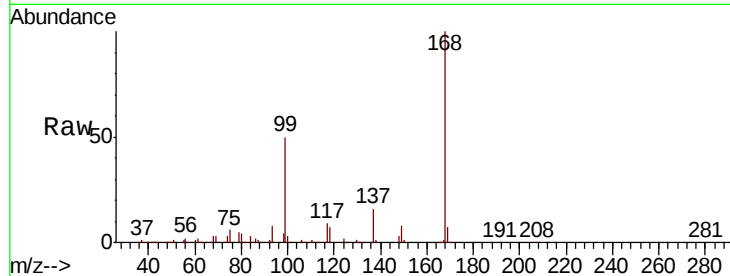




#36
 1,1-Dichloropropene
 Concen: 5.103 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002576.D
 Acq: 05 May 2020 10:49

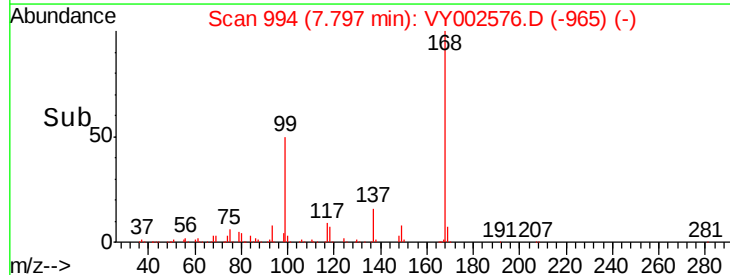
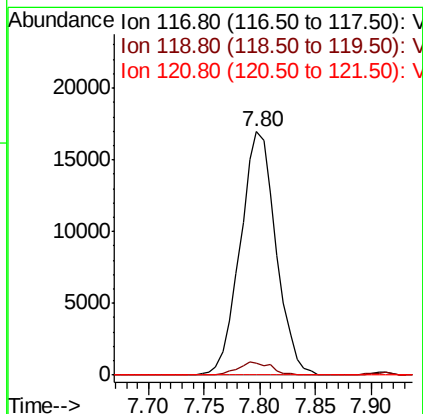
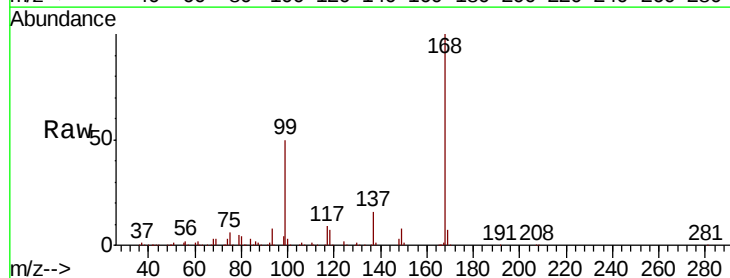
Instrument :
 MSVOA_Y
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 VY0505SBL01

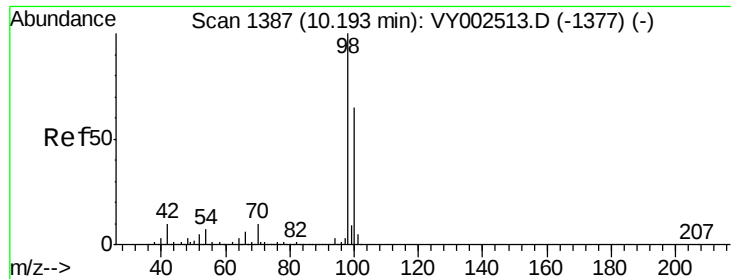
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.630 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002576.D
 Acq: 05 May 2020 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 50.903 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002576.D

Acq: 05 May 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

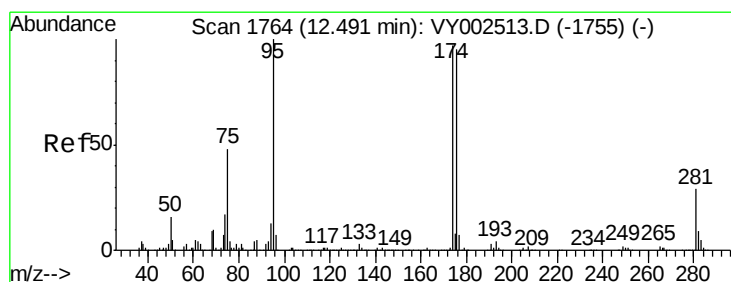
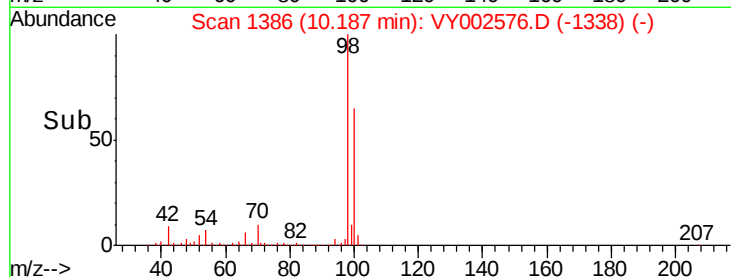
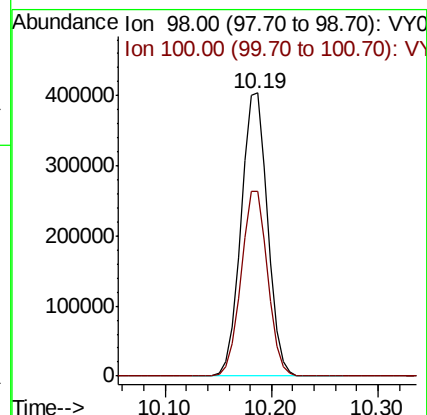
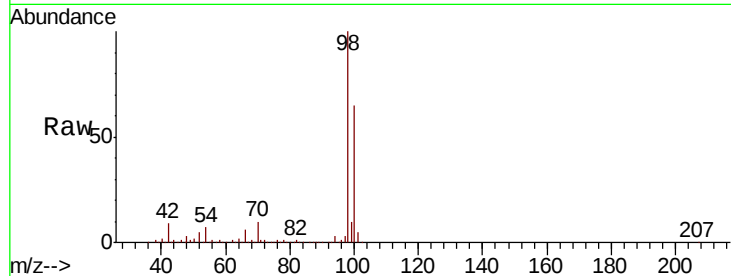
VY0505SBL01

Tot Ion: 98 Resp: 707446

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 51.621 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002576.D

Acq: 05 May 2020 10:49

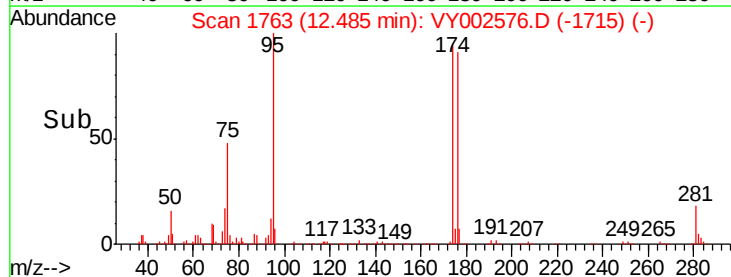
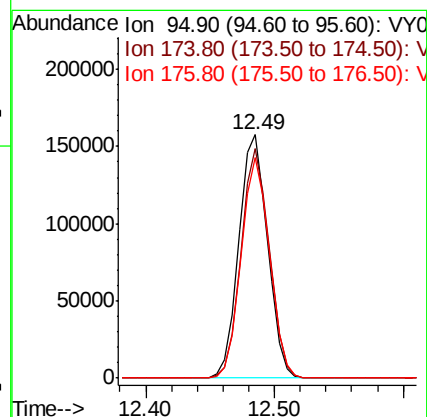
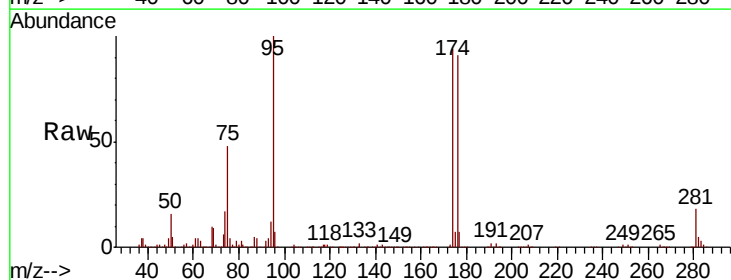
Tgt Ion: 95 Resp: 243440

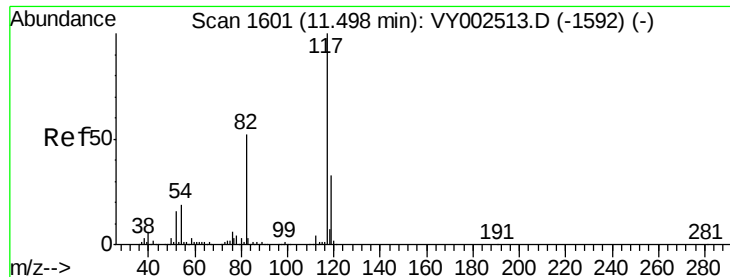
Ion Ratio Lower Upper

95 100

174 92.4 0.0 188.8

176 89.6 0.0 183.2

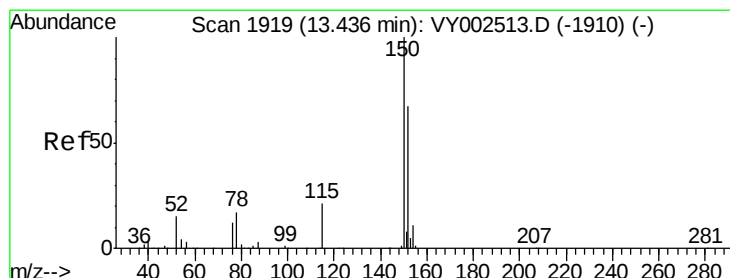
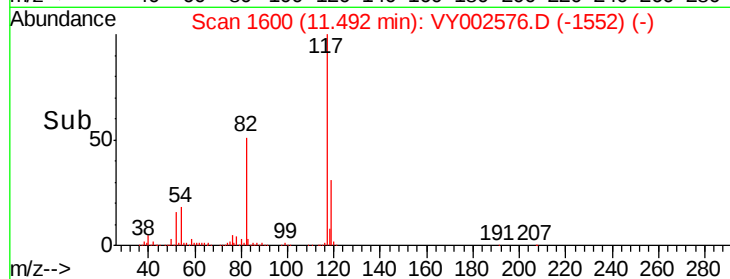
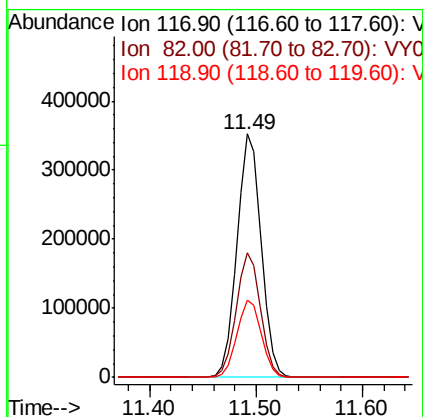
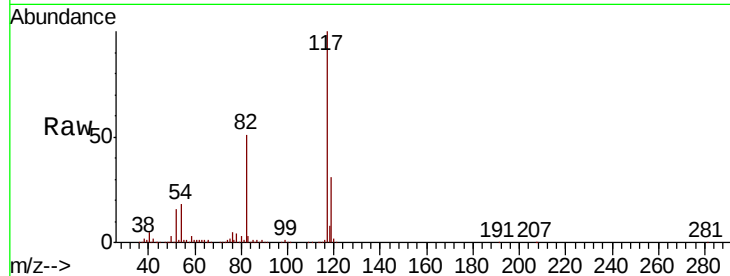




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002576.D
Acq: 05 May 2020 10:49

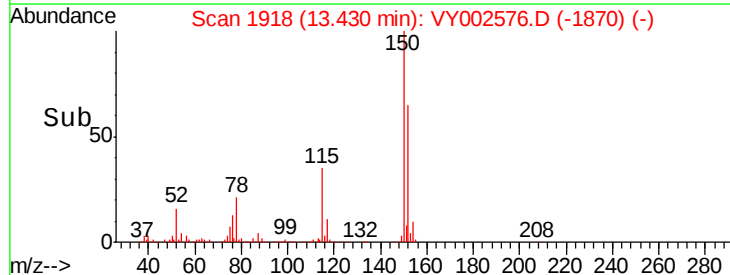
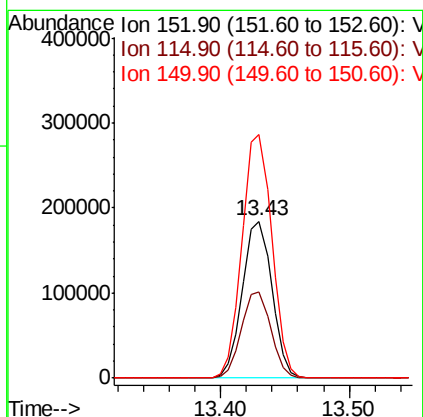
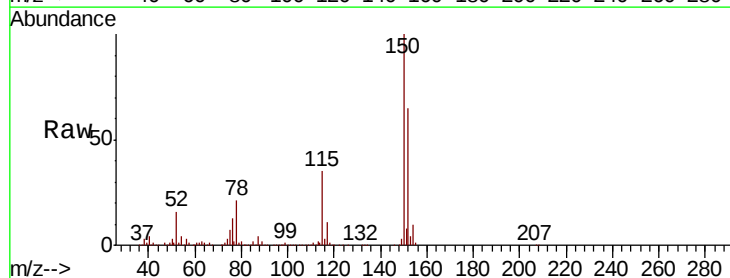
Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

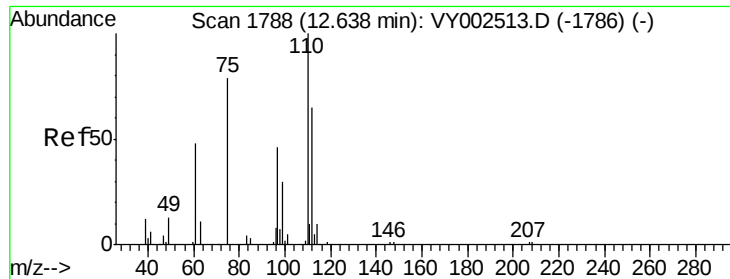
Tot Ion:117 Resp: 561742
Ion Ratio Lower Upper
117 100
82 51.2 41.3 61.9
119 31.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002576.D
Acq: 05 May 2020 10:49

Tgt Ion:152 Resp: 292952
Ion Ratio Lower Upper
152 100
115 54.9 27.5 82.4
150 156.5 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 45.066 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002576.D

Acq: 05 May 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

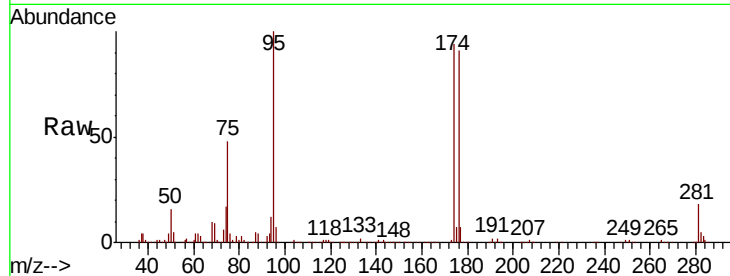
VY0505SBL01

Tot Ion: 75 Resp: 117323

Ion Ratio Lower Upper

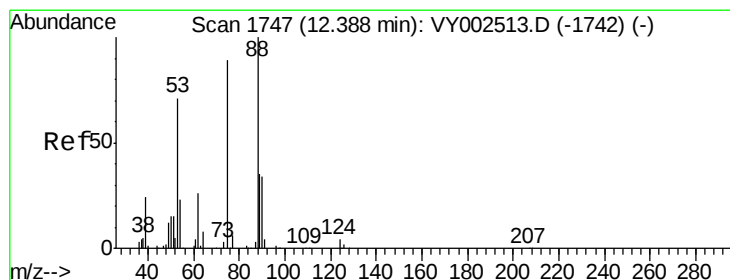
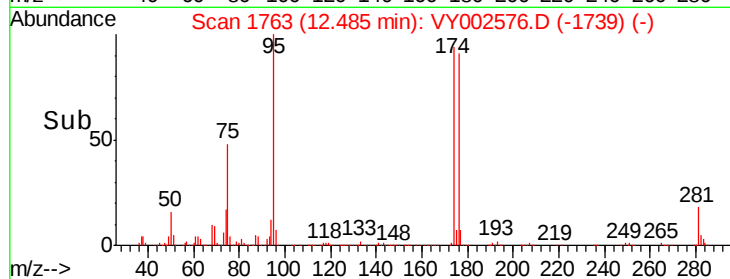
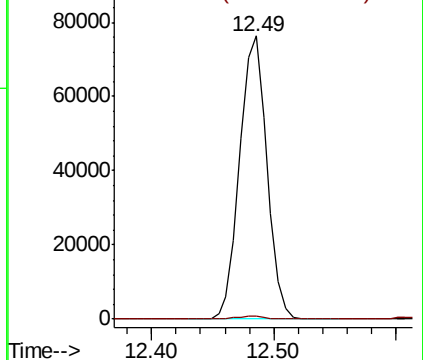
75 100

77 1.2 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: 90.366 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002576.D

Acq: 05 May 2020 10:49

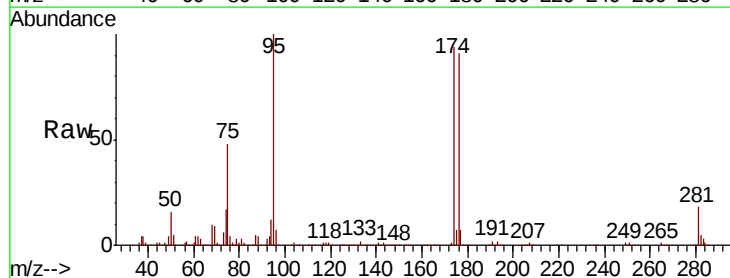
Tgt Ion: 75 Resp: 117323

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

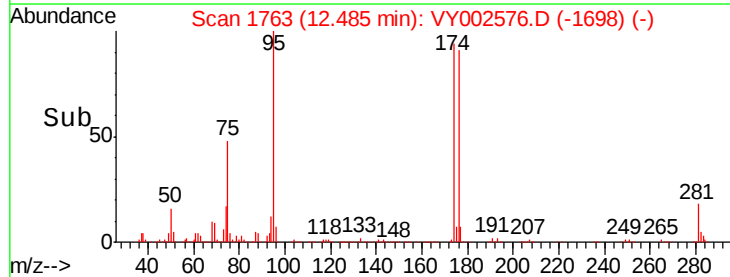
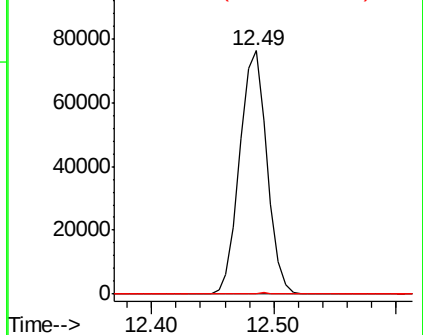
89 0.3 37.4 56.0#

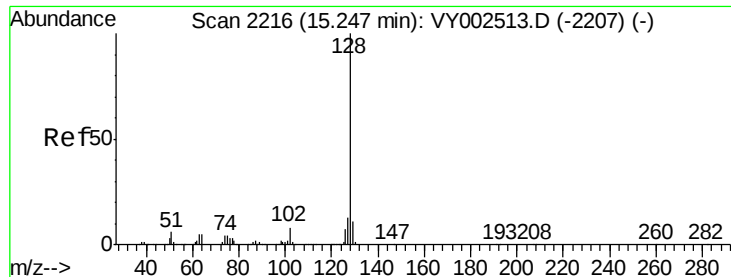


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.148 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002576.D

Acq: 05 May 2020 10:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBL01

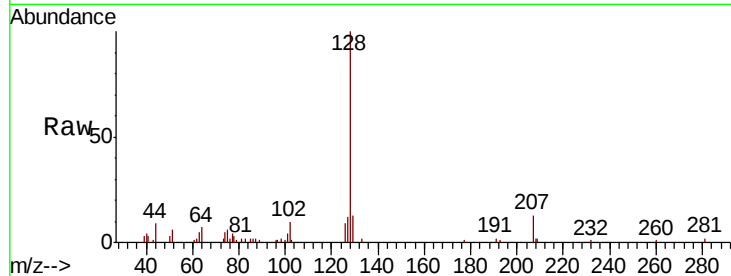
Tot Ion:128 Resp: 12180

Ion Ratio Lower Upper

128 100

127 11.9 10.5 15.7

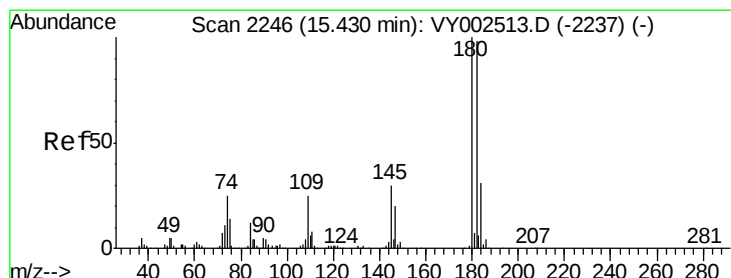
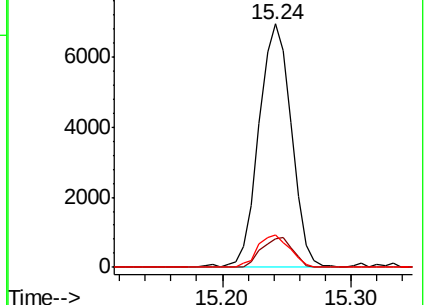
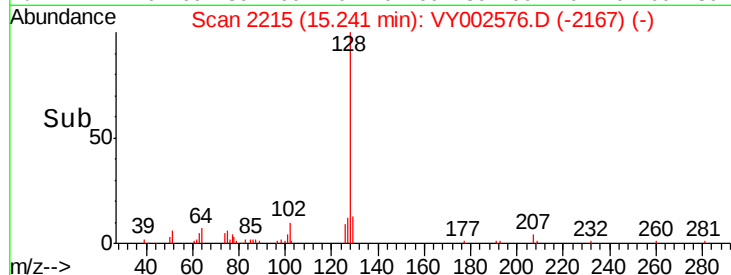
129 13.0 8.8 13.2



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: 1.183 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.00 min

Lab File: VY002576.D

Acq: 05 May 2020 10:49

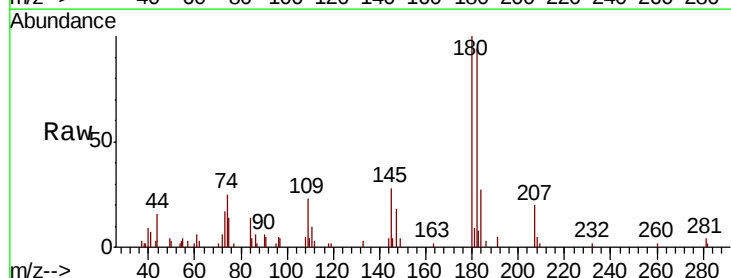
Tgt Ion:180 Resp: 5843

Ion Ratio Lower Upper

180 100

182 93.5 47.9 143.8

145 28.6 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

