

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003577.D
 Acq On : 20 Nov 2020 18:47
 Operator : SY/MD
 Sample : L4836-09
 Misc : 5.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 01:54:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:00:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	81660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	200708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	176643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	63468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	69775	82.29	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	164.58%#
35) Dibromofluoromethane	7.72	113	72597	55.03	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.06%
50) Toluene-d8	10.17	98	239612	46.71	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.42%
62) 4-Bromofluorobenzene	12.48	95	64670	39.72	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.44%

Target Compounds

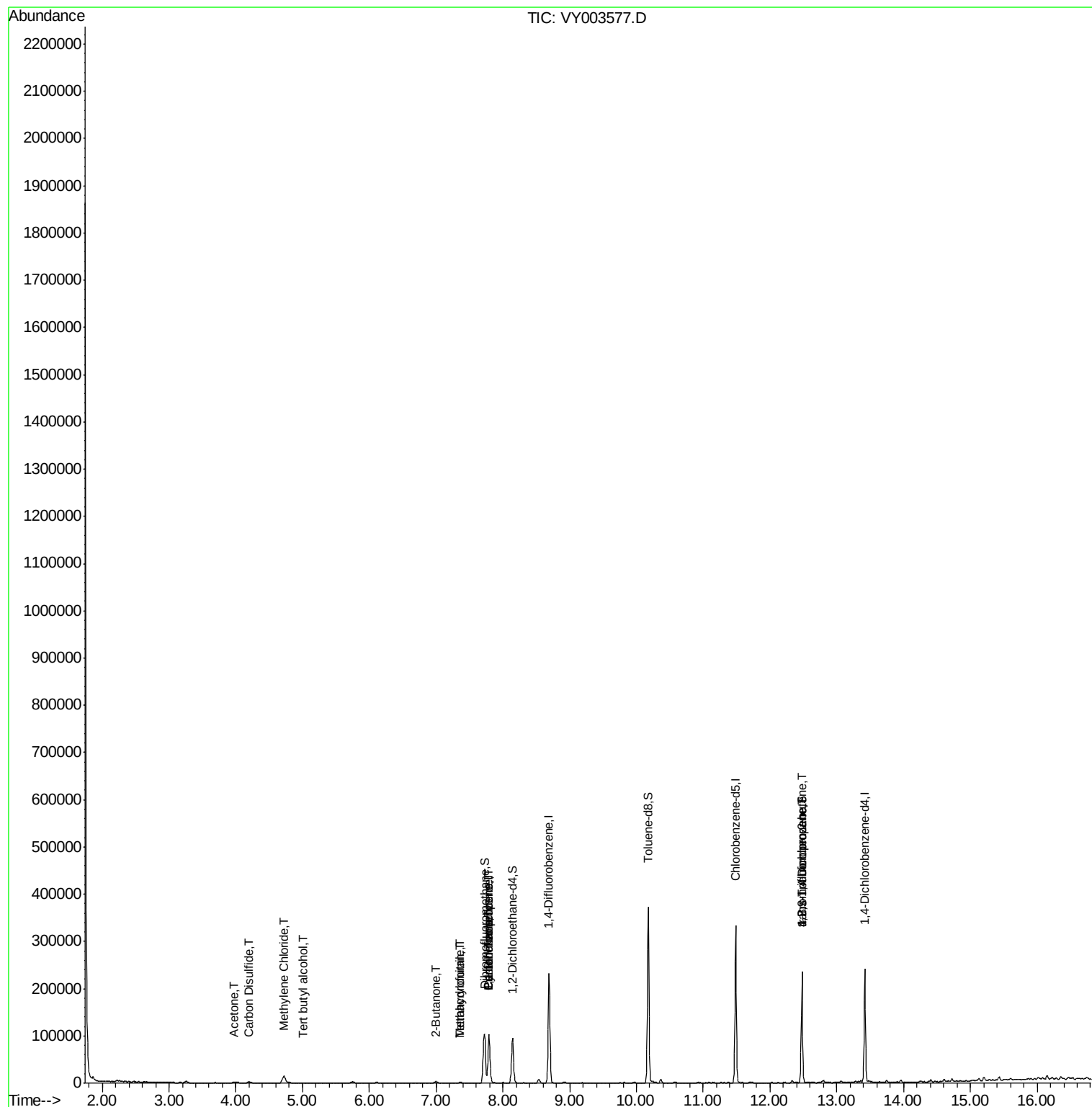
					Qvalue	
11) Tert butyl alcohol	5.00	59	290	4.525	ug/l #	100
16) Acetone	3.97	43	5074	17.923	ug/l #	86
17) Carbon Disulfide	4.20	76	6046	2.612	ug/l #	94
20) Methylene Chloride	4.72	84	11187	7.443	ug/l	97
25) 2-Butanone	7.00	43	838	2.281	ug/l #	50
29) Tetrahydrofuran	7.36	42	1227	6.376	ug/l #	84
31) Cyclohexane	7.78	56	1952	1.592	ug/l #	29
36) 1,1-Dichloropropene	7.79	75	5693	2.881	ug/l #	48
38) Carbon Tetrachloride	7.80	117	7024	3.837	ug/l #	17
41) Methacrylonitrile	7.36	41	793	1.126	ug/l #	39
76) 1,2,3-Trichloropropane	12.48	75	33503	54.449	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	33503	86.557	ug/l #	14

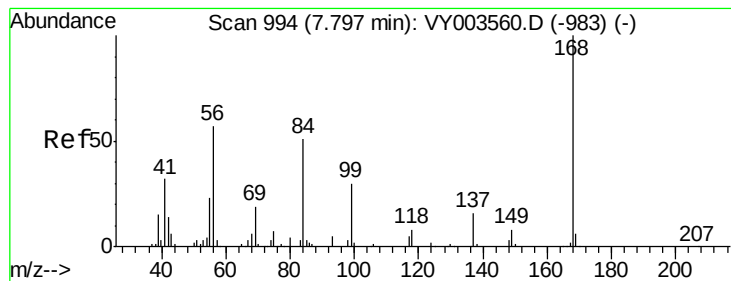
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY003577.D

Acq: 20 Nov 2020 18:47

Instrument :

MSVOA_Y

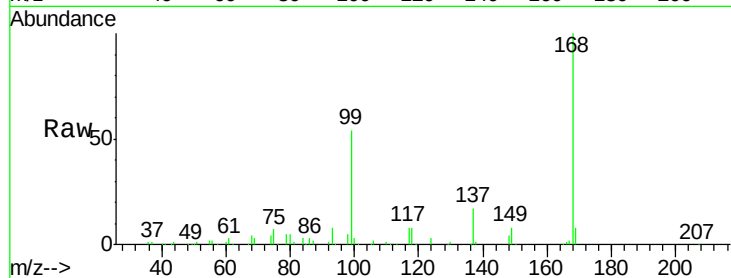
ClientSampleId :

Tot Ion:168 Resp: 81660

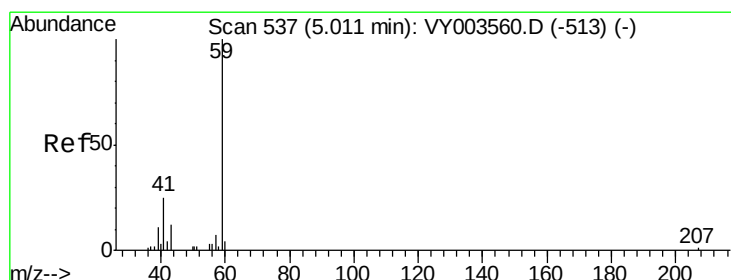
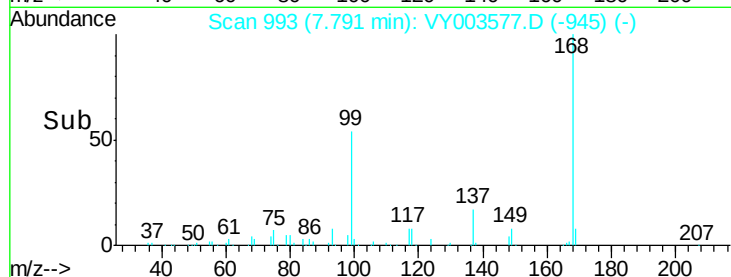
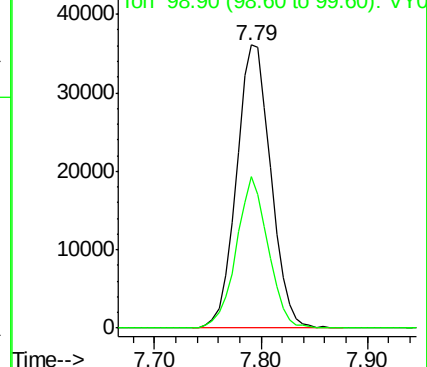
Ion Ratio Lower Upper

168 100

99 53.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VY003560.D (-983) (-)



#11

Tert butyl alcohol

Concen: 4.525 ug/l

RT: 5.00 min Scan# 536

Delta R.T. -0.01 min

Lab File: VY003577.D

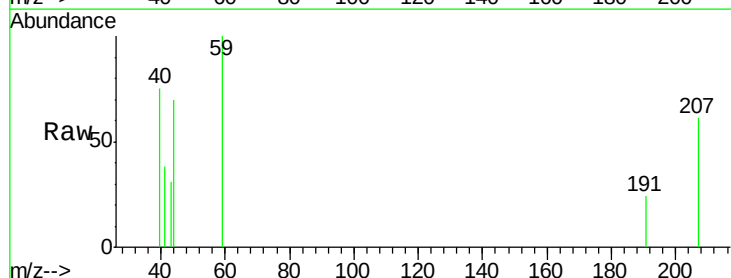
Acq: 20 Nov 2020 18:47

Tgt Ion: 59 Resp: 290

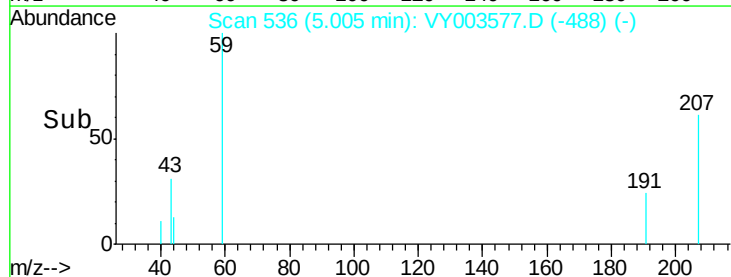
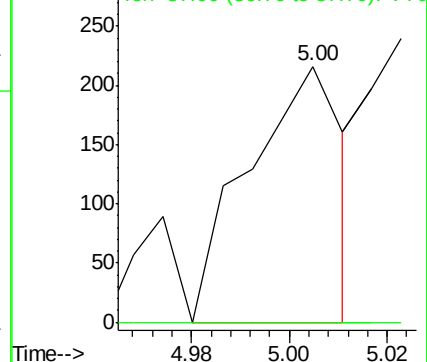
Ion Ratio Lower Upper

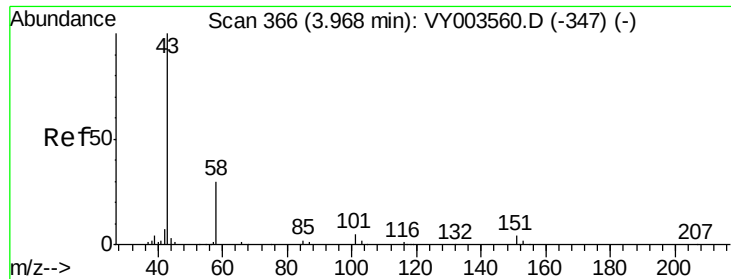
59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VY003560.D (-513) (-)





#16

Acetone

Concen: 17.923 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY003577.D

Acq: 20 Nov 2020 18:47

Instrument :

MSVOA_Y

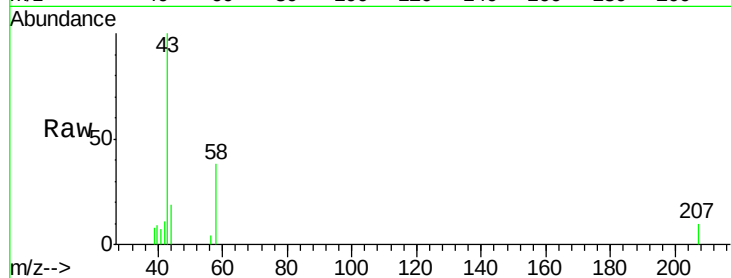
ClientSampleId :

Tot Ion: 43 Resp: 5074

Ion Ratio Lower Upper

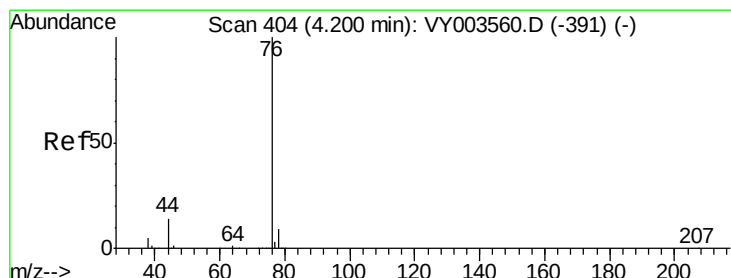
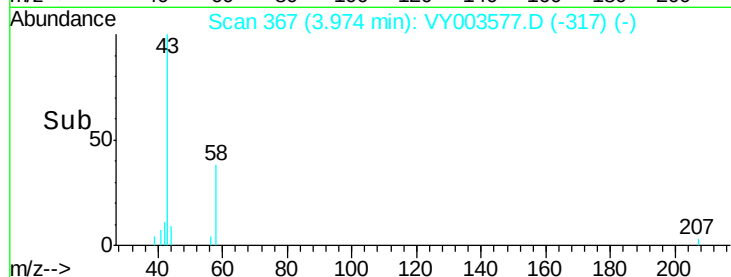
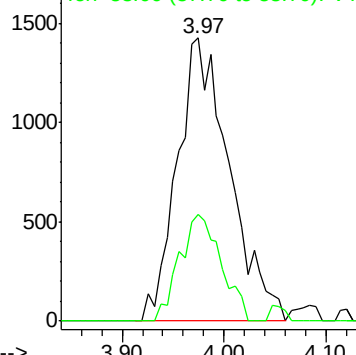
43 100

58 37.6 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 2.612 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003577.D

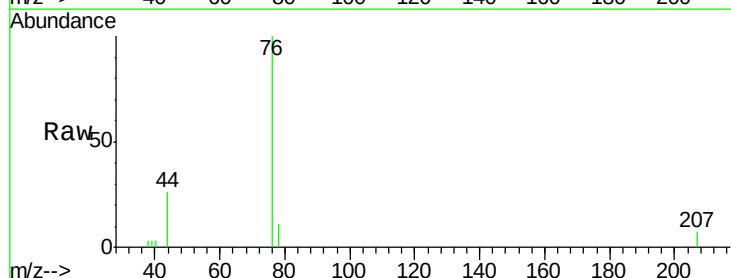
Acq: 20 Nov 2020 18:47

Tgt Ion: 76 Resp: 6046

Ion Ratio Lower Upper

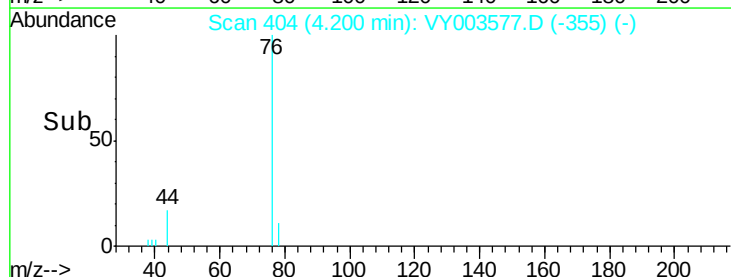
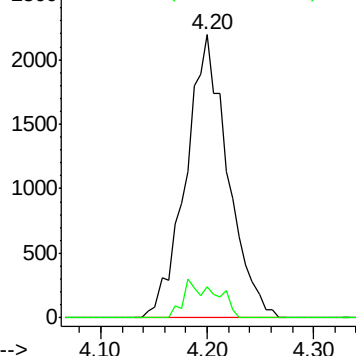
76 100

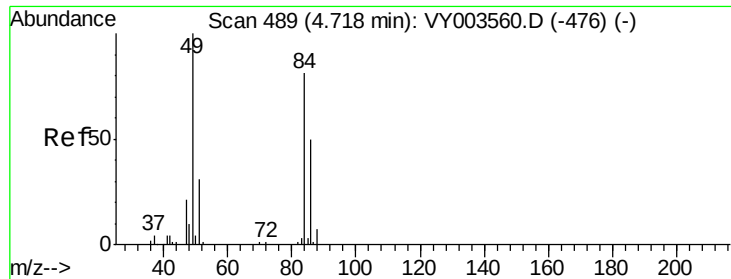
78 11.2 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

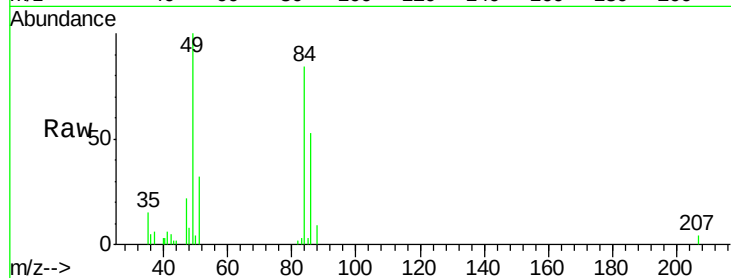




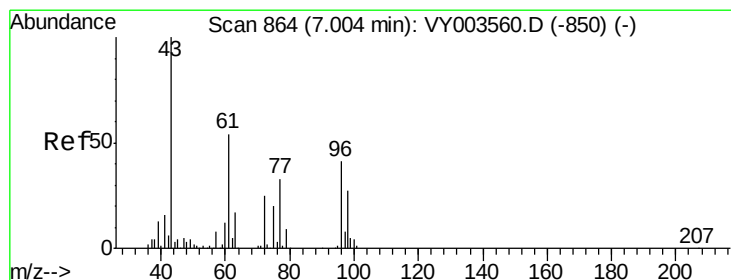
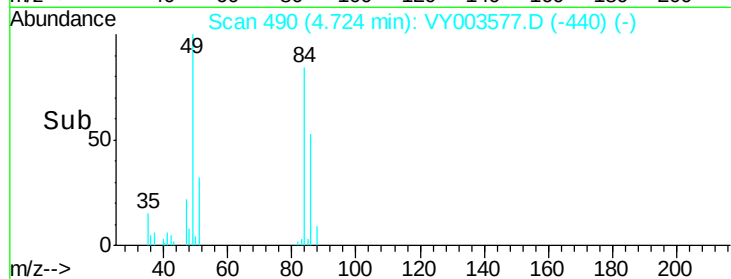
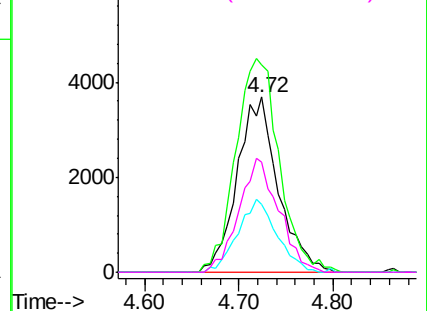
#20
Methylene Chloride
Concen: 7.443 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY003577.D
Acq: 20 Nov 2020 18:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 11187
Ion Ratio Lower Upper
84 100
49 118.7 99.0 148.6
51 38.6 30.5 45.7
86 62.6 49.9 74.9

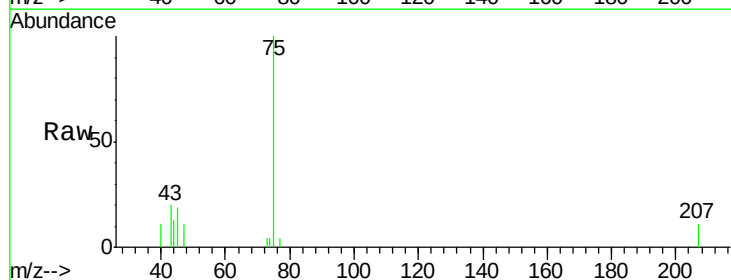


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

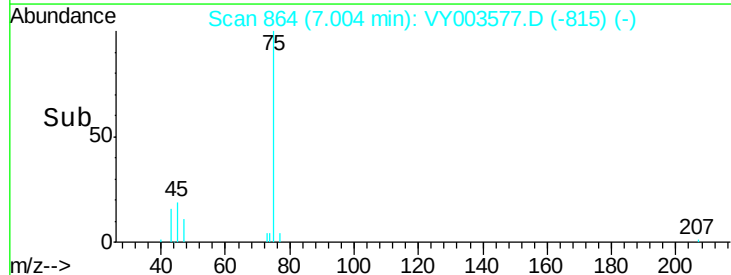
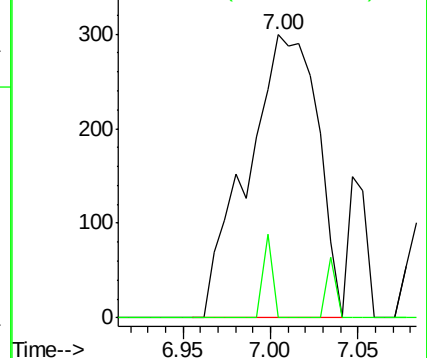


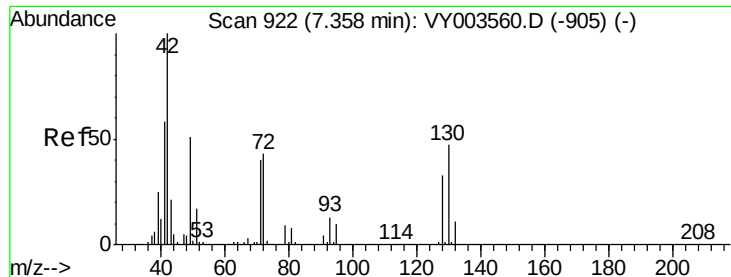
#25
2-Butanone
Concen: 2.281 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY003577.D
Acq: 20 Nov 2020 18:47

Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#



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

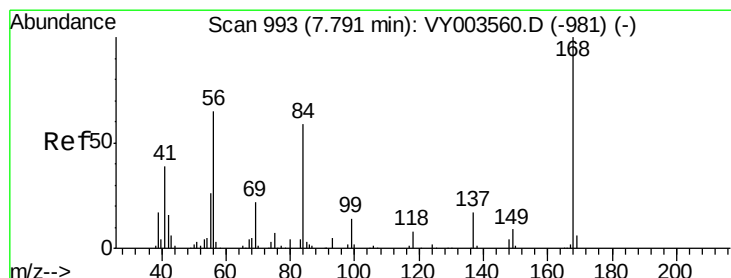
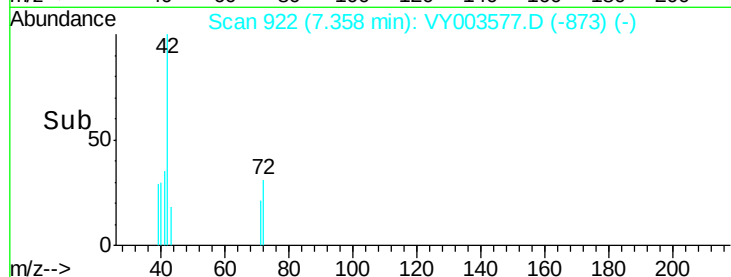
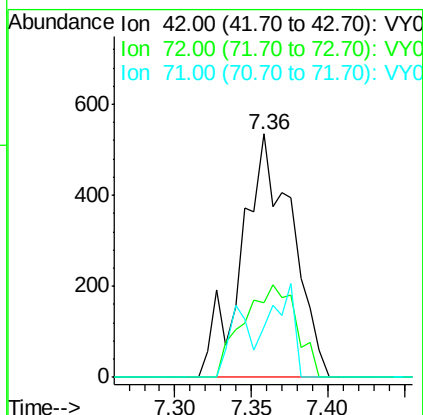
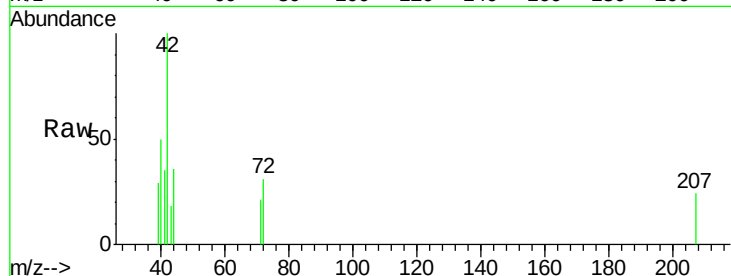




#29
Tetrahydrofuran
Concen: 6.376 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY003577.D
Acq: 20 Nov 2020 18:47

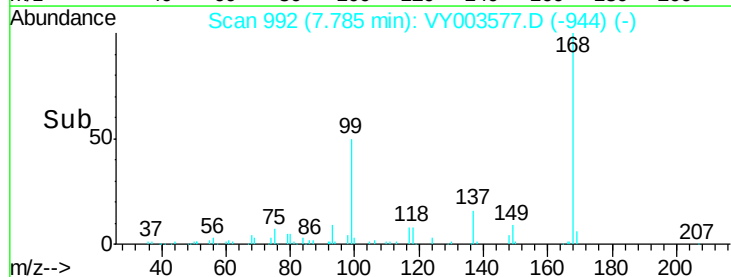
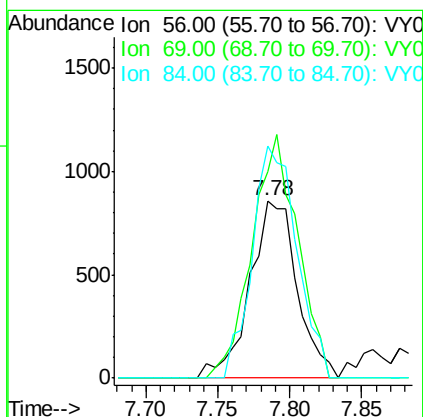
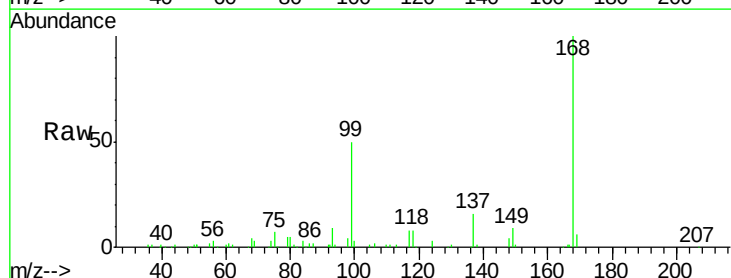
Instrument :
MSVOA_Y
ClientSampleId :

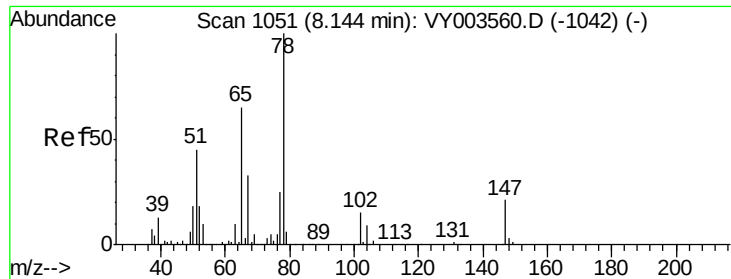
Tot Ion: 42 Resp: 1227
Ion Ratio Lower Upper
42 100
72 39.9 32.6 49.0
71 18.2 30.2 45.2#



#31
Cyclohexane
Concen: 1.592 ug/l
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY003577.D
Acq: 20 Nov 2020 18:47

Tgt Ion: 56 Resp: 1952
Ion Ratio Lower Upper
56 100
69 116.4 27.0 40.6#
84 130.5 71.8 107.6#

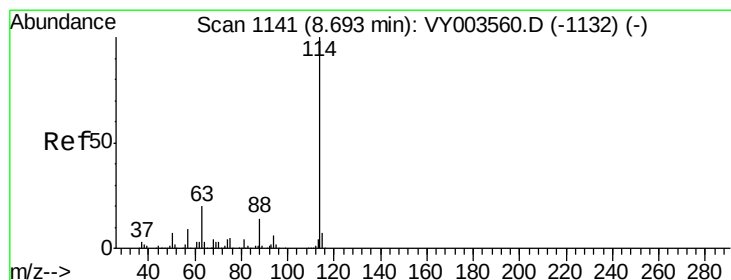
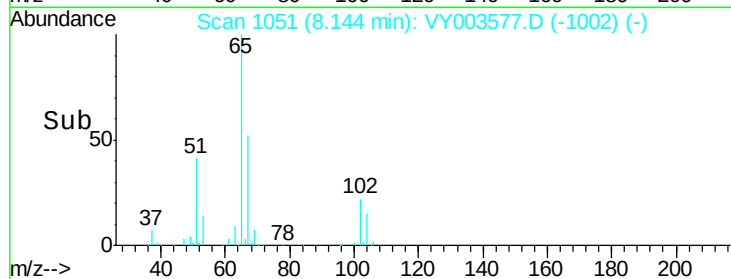
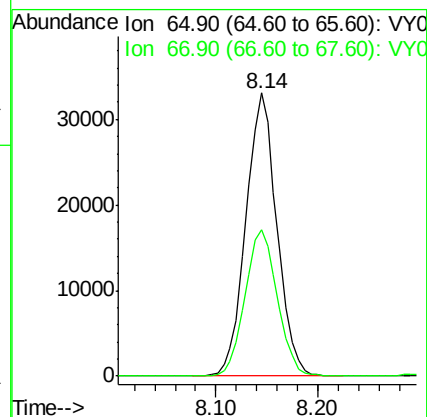
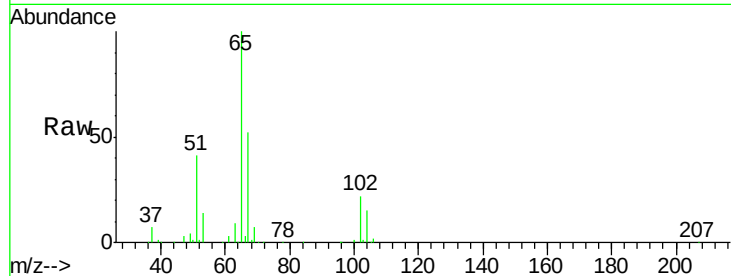




#33
 1,2-Dichloroethane-d4
 Concen: 82.292 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003577.D
 Acq: 20 Nov 2020 18:47

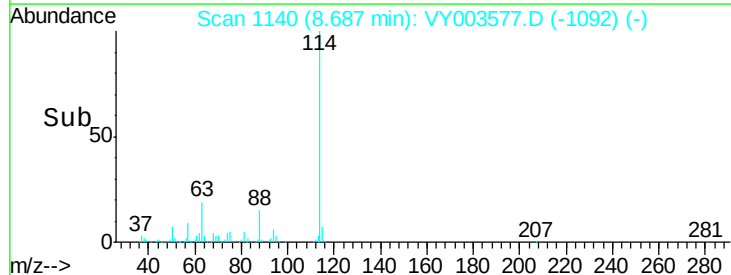
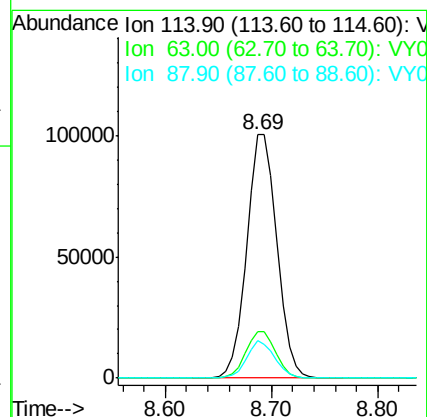
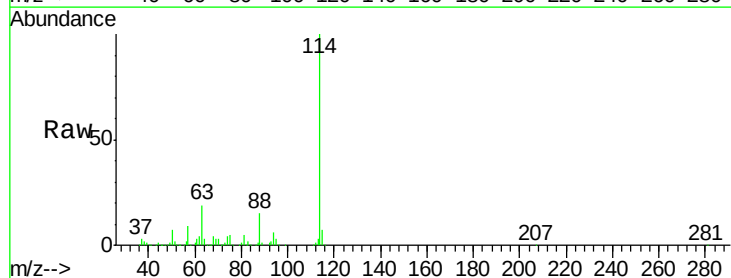
Instrument :
 MSVOA_Y
 ClientSampleId :

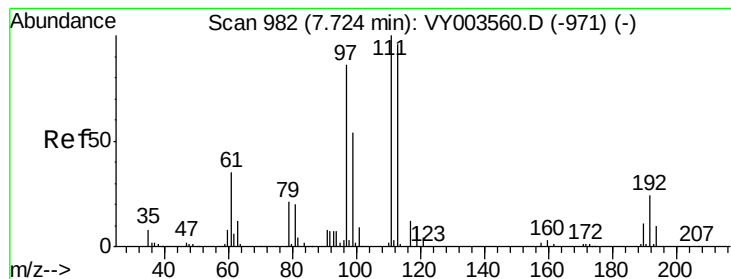
Tot Ion: 65 Resp: 69775
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: VY003577.D
 Acq: 20 Nov 2020 18:47

Tgt Ion: 114 Resp: 200708
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.026 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003577.D

Acq: 20 Nov 2020 18:47

Instrument :
MSVOA_Y
ClientSampleId :

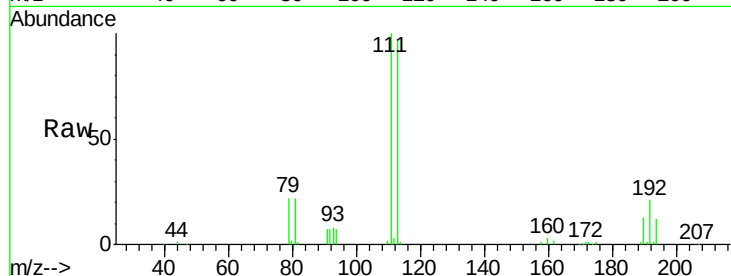
Tot Ion:113 Resp: 72597

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	21.8	18.1	27.1

113 100

111 102.2 81.4 122.0

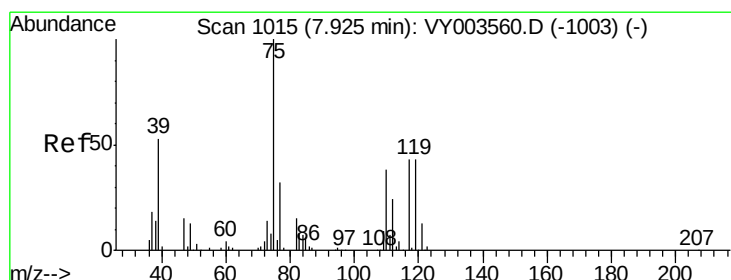
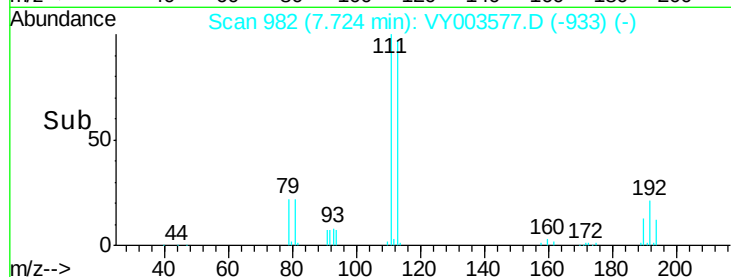
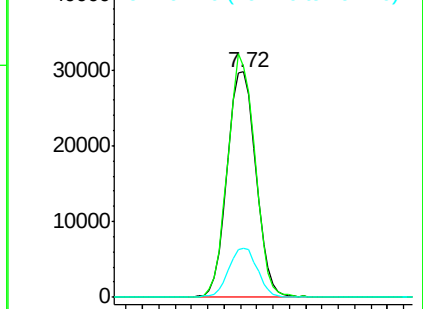
192 21.8 18.1 27.1



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: 2.881 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003577.D

Acq: 20 Nov 2020 18:47

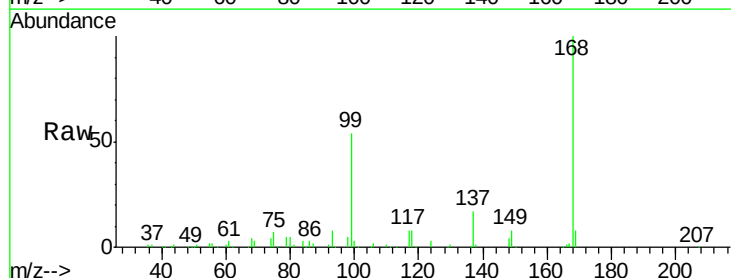
Tgt Ion: 75 Resp: 5693

Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.7	56.1#
77	0.0	25.4	38.2#

75 100

110 9.5 18.7 56.1#

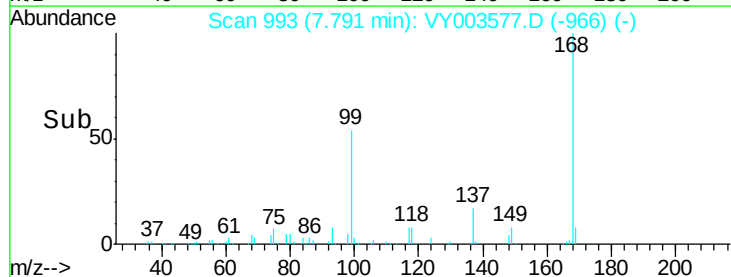
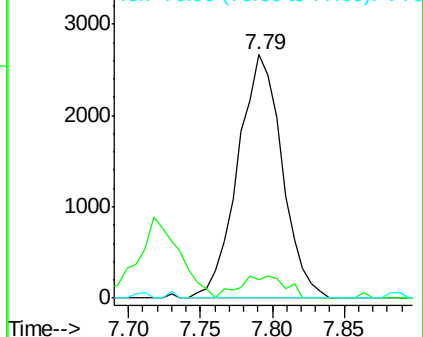
77 0.0 25.4 38.2#

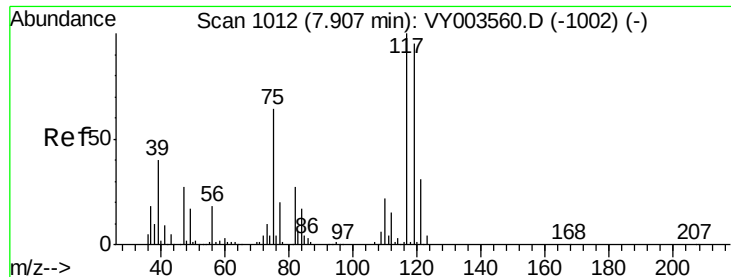


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 3.837 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003577.D

Acq: 20 Nov 2020 18:47

Instrument :

MSVOA_Y

ClientSampled :

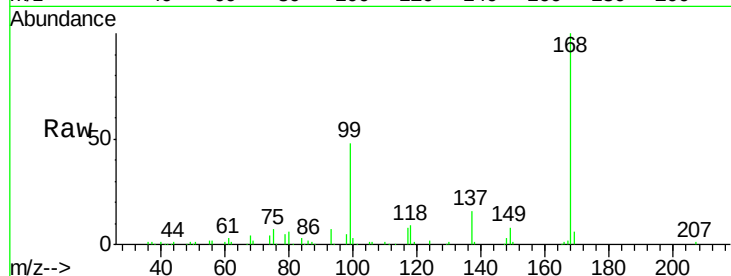
Tot Ion:117 Resp: 7024

Ion Ratio Lower Upper

117 100

119 6.5 76.3 114.5#

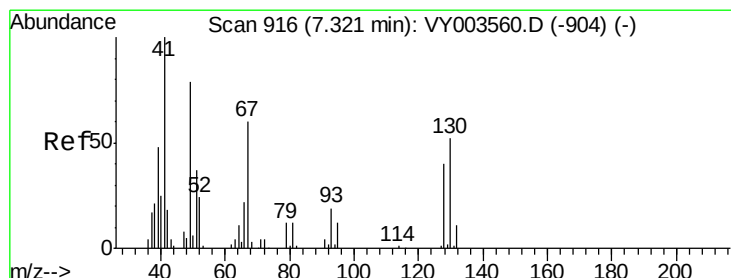
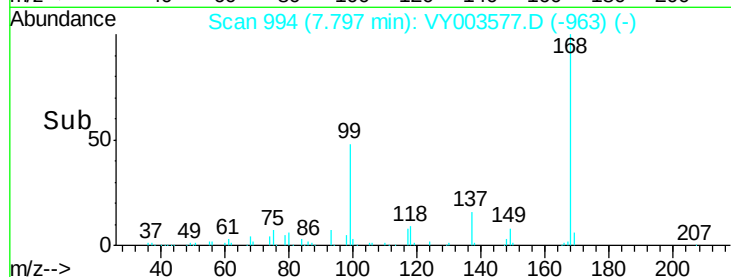
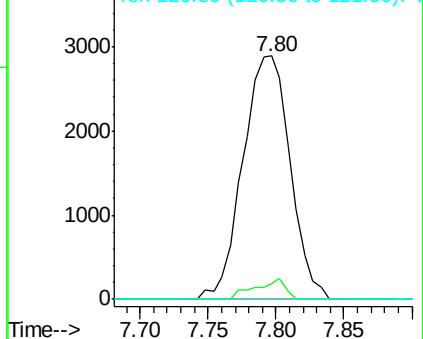
121 0.0 25.1 37.7#



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



#41

Methacrylonitrile

Concen: 1.126 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.04 min

Lab File: VY003577.D

Acq: 20 Nov 2020 18:47

Tgt Ion: 41 Resp: 793

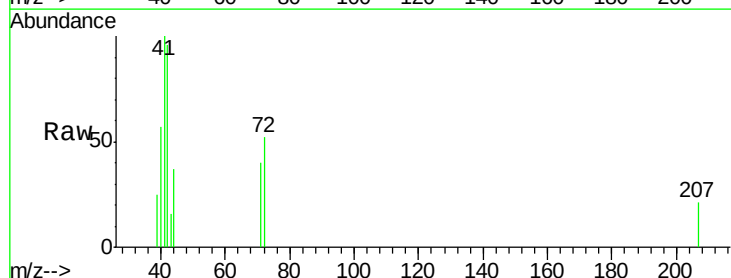
Ion Ratio Lower Upper

41 100

39 30.8 41.4 62.0#

67 0.0 57.2 85.8#

52 0.0 23.6 35.4#

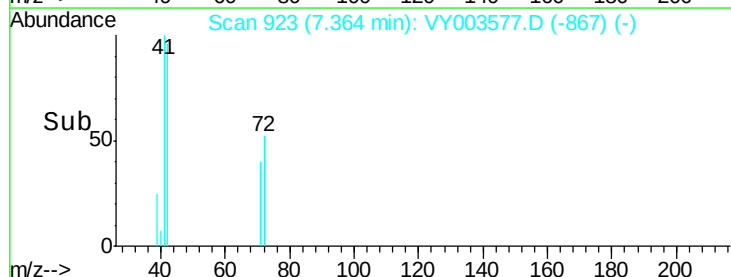
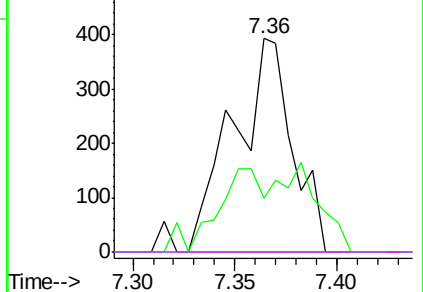


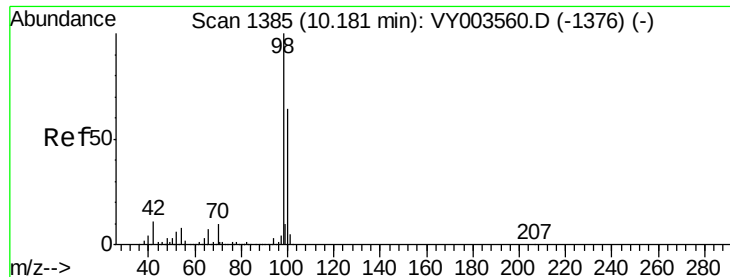
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 46.706 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VY003577.D

Acq: 20 Nov 2020 18:47

Instrument :

MSVOA_Y

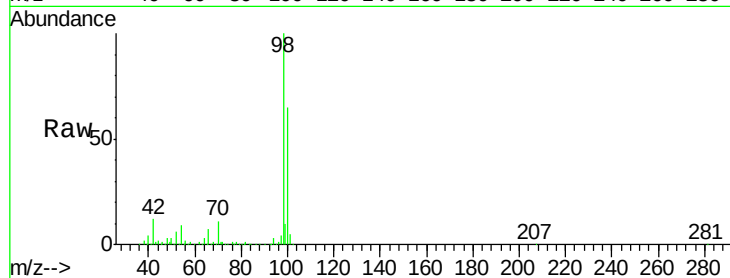
ClientSampleId :

Tot Ion: 98 Resp: 239612

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.17

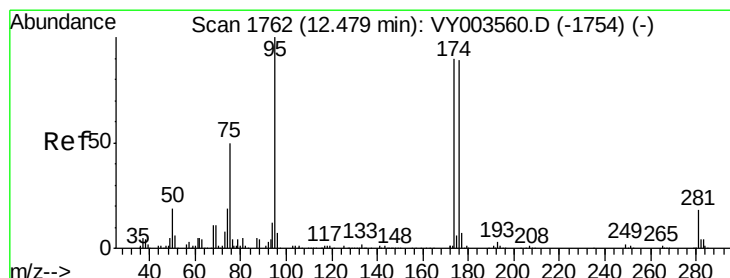
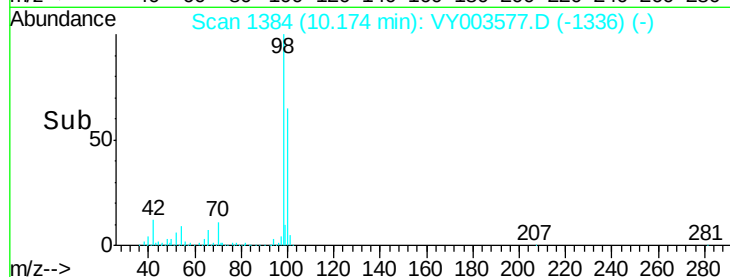
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 39.721 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003577.D

Acq: 20 Nov 2020 18:47

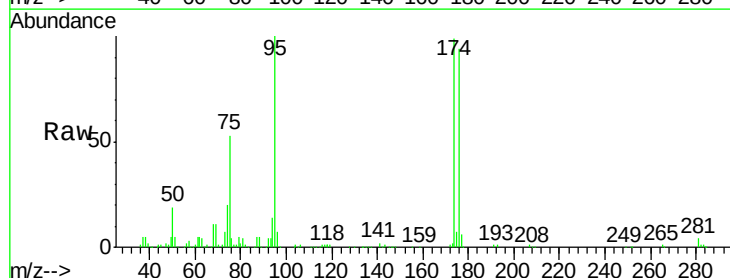
Tgt Ion: 95 Resp: 64670

Ion Ratio Lower Upper

95 100

174 95.1 0.0 184.0

176 91.6 0.0 180.4



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

12.48

50000

40000

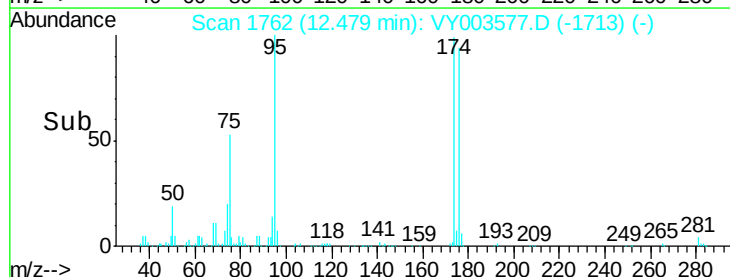
30000

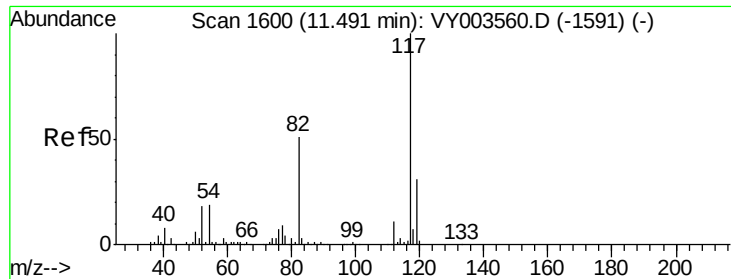
20000

10000

0

Time-->

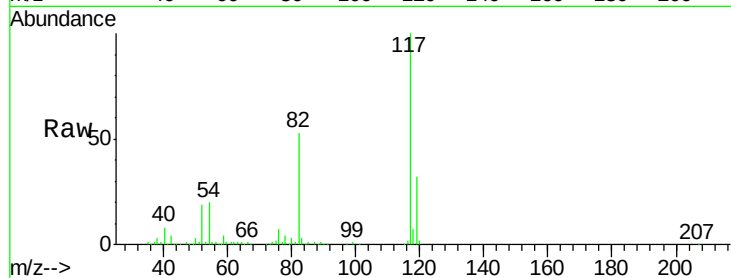




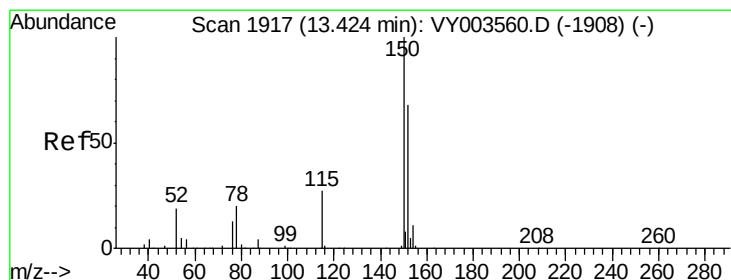
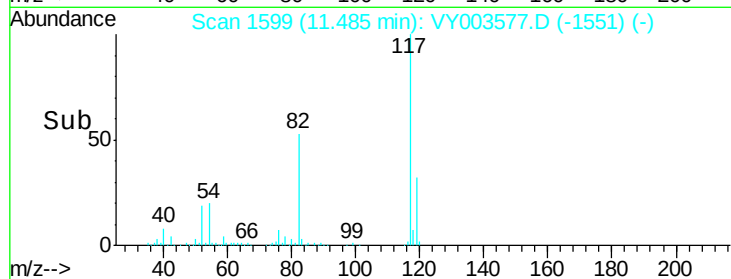
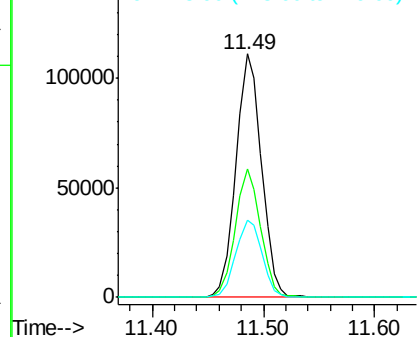
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003577.D
Acq: 20 Nov 2020 18:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.0	61.6
119	31.6	25.0	37.6

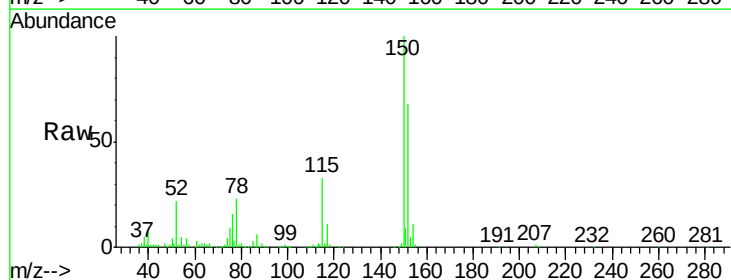


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

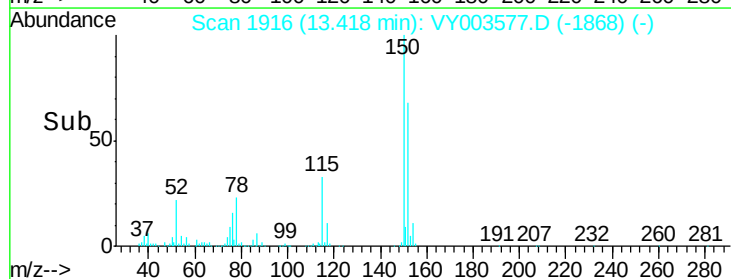
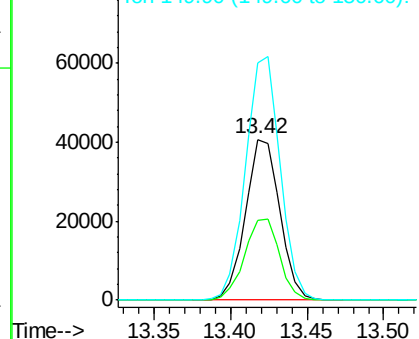


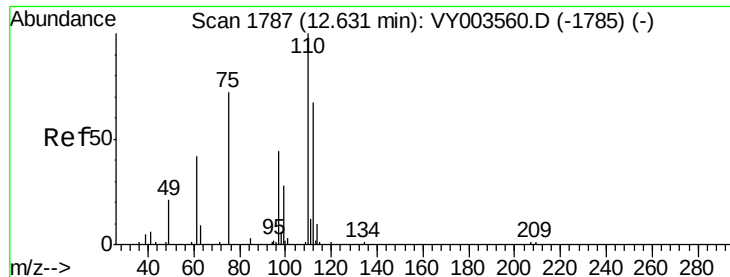
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY003577.D
Acq: 20 Nov 2020 18:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	27.4	82.0
150	152.4	0.0	349.6



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: 54.449 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003577.D

Acq: 20 Nov 2020 18:47

Instrument :

MSVOA_Y

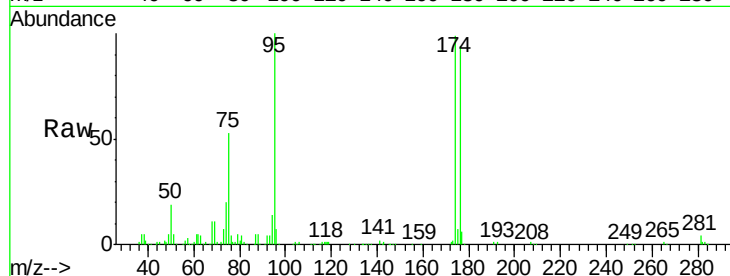
ClientSampleId :

Tot Ion: 75 Resp: 33503

Ion Ratio Lower Upper

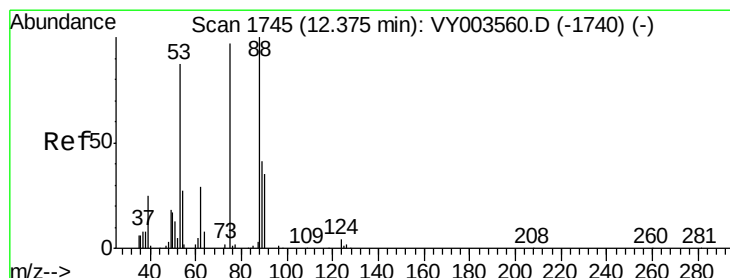
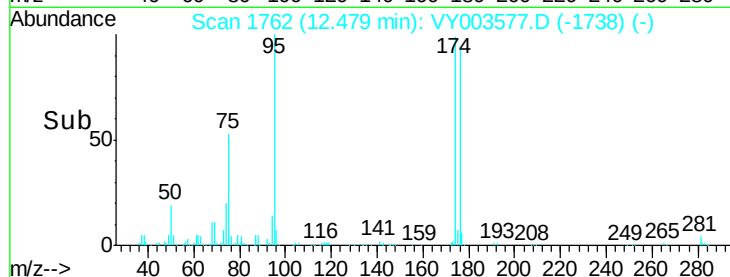
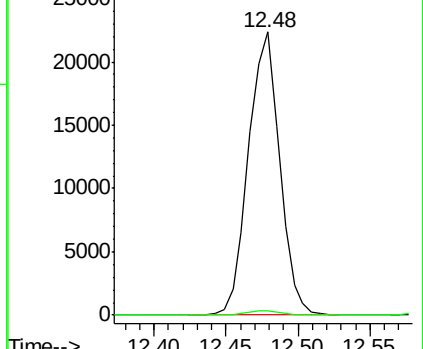
75 100

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: 86.557 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003577.D

Acq: 20 Nov 2020 18:47

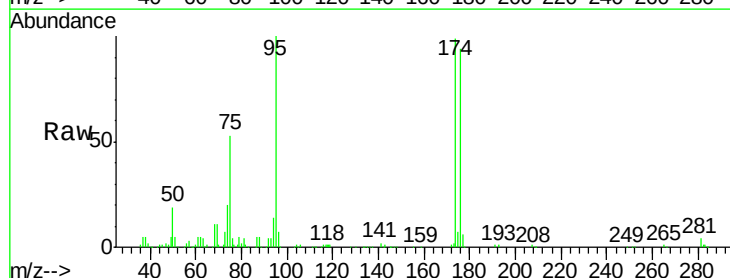
Tgt Ion: 75 Resp: 33503

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.3 34.7 52.1#



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

