

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003570.D
 Acq On : 20 Nov 2020 16:11
 Operator : SY/MD
 Sample : L4836-02
 Misc : 4.19G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 01:52:39 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	103036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	225855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	205124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	88023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	75105	70.20	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.40%
35) Dibromofluoromethane	7.72	113	76198	51.32	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.64%
50) Toluene-d8	10.18	98	268506	46.51	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.02%
62) 4-Bromofluorobenzene	12.48	95	80865	44.14	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.28%

Target Compounds

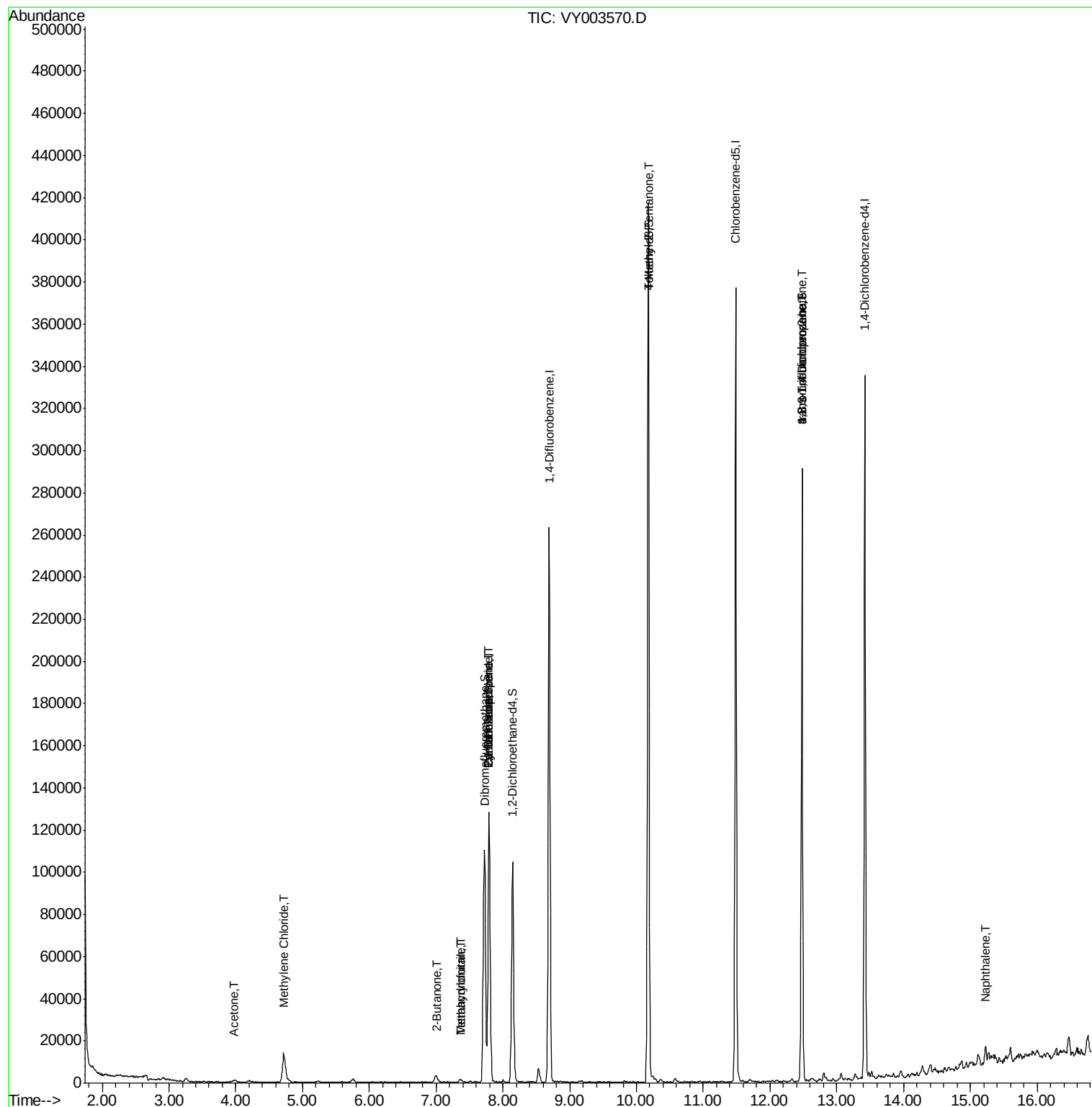
						Qvalue
16) Acetone	3.98	43	1979	5.540	ug/l #	83
20) Methylene Chloride	4.72	84	9678	2.938	ug/l	93
25) 2-Butanone	7.01	43	838	1.808	ug/l #	50
29) Tetrahydrofuran	7.36	42	1116	4.596	ug/l #	91
31) Cyclohexane	7.80	56	2239	1.448	ug/l #	5
36) 1,1-Dichloropropene	7.79	75	7420	3.337	ug/l #	47
38) Carbon Tetrachloride	7.80	117	9169	4.451	ug/l #	16
41) Methacrylonitrile	7.36	41	794	1.002	ug/l #	37
51) 4-Methyl-2-Pentanone	10.17	43	1376	1.167	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	42403	49.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	42403	78.990	ug/l #	14
95) Naphthalene	15.23	128	6009	2.679	ug/l	94

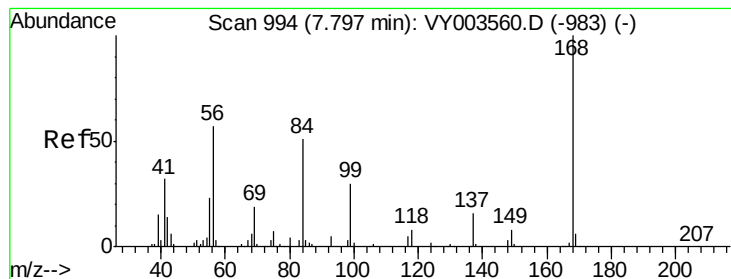
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:00:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY003570.D

Acq: 20 Nov 2020 16:11

Instrument :

MSVOA_Y

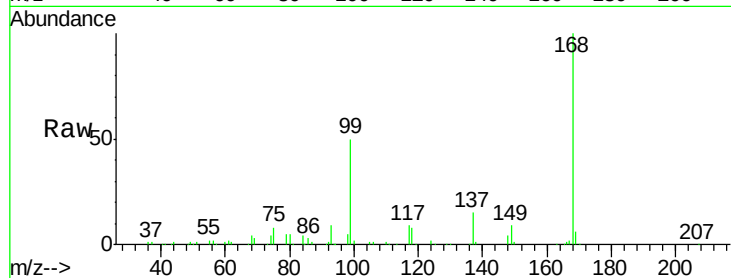
ClientSampleId :

Tot Ion:168 Resp: 103036

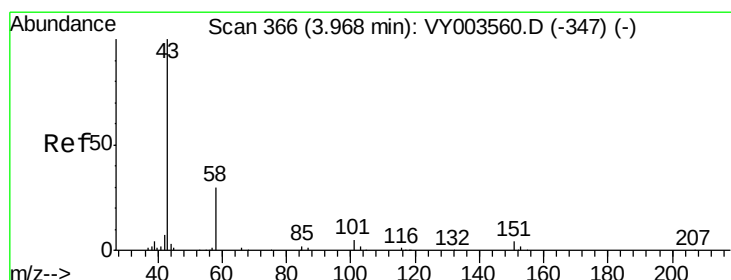
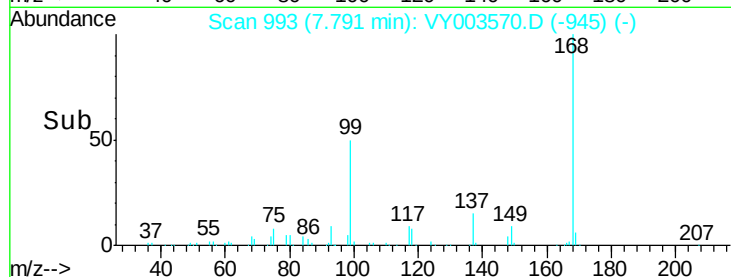
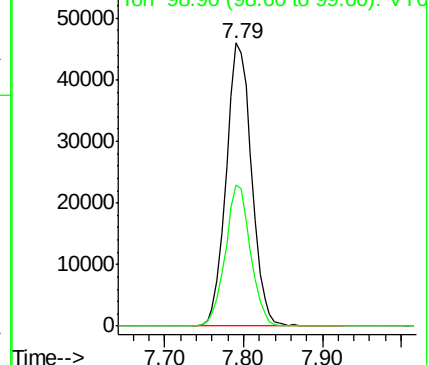
Ion Ratio Lower Upper

168 100

99 50.0 37.6 56.4



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



#16

Acetone

Concen: 5.540 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY003570.D

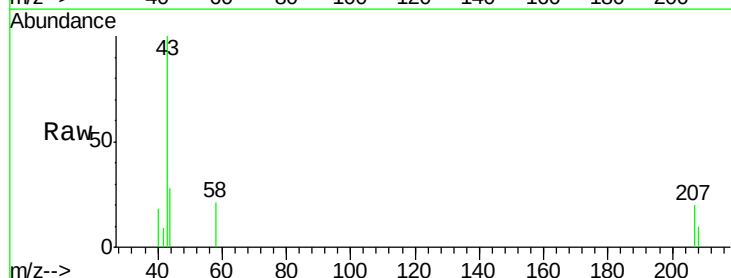
Acq: 20 Nov 2020 16:11

Tgt Ion: 43 Resp: 1979

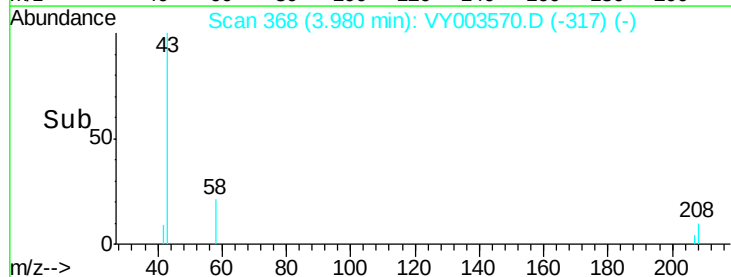
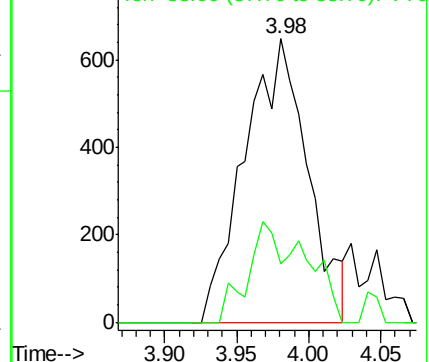
Ion Ratio Lower Upper

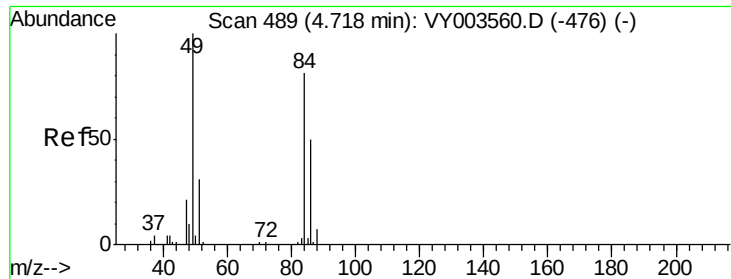
43 100

58 20.5 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY003560.D (-347) (-)

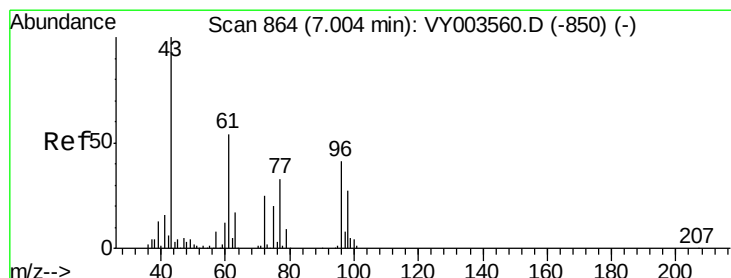
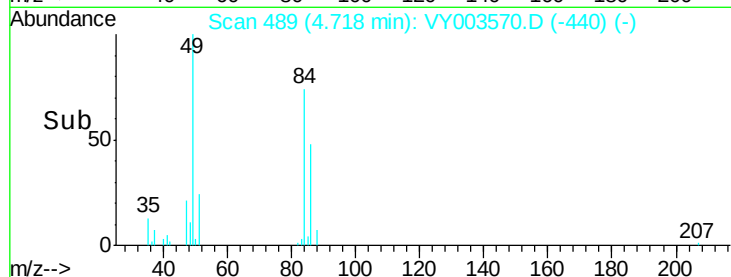
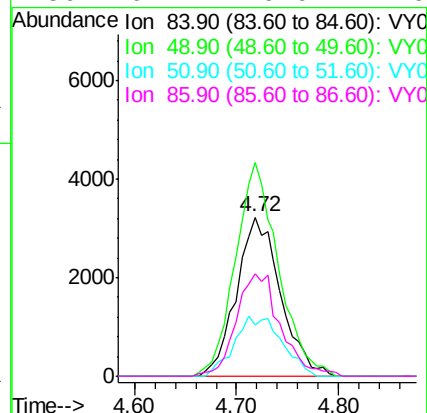
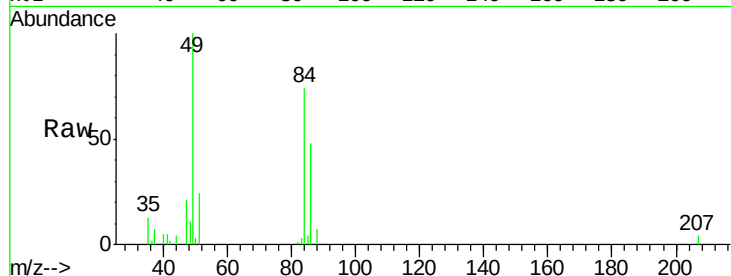




#20
Methylene Chloride
Concen: 2.938 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY003570.D
Acq: 20 Nov 2020 16:11

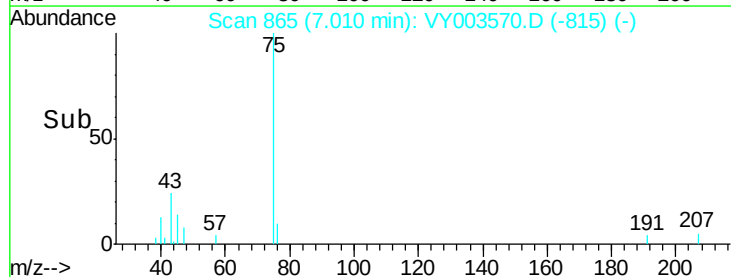
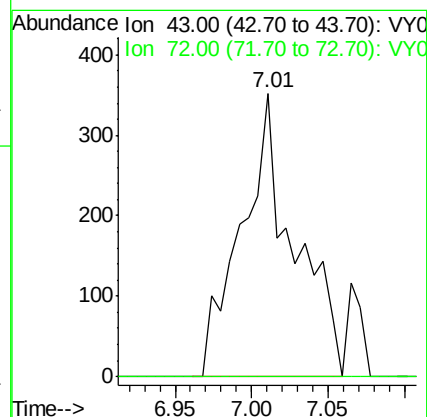
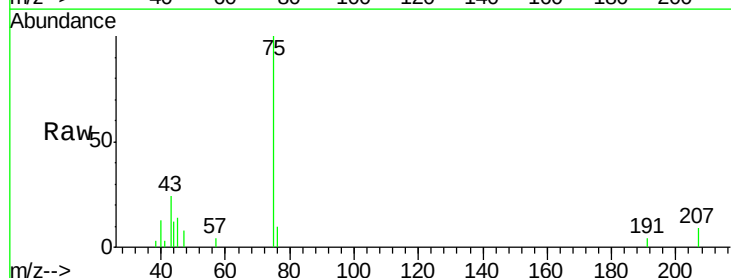
Instrument :
MSVOA_Y
ClientSampled :

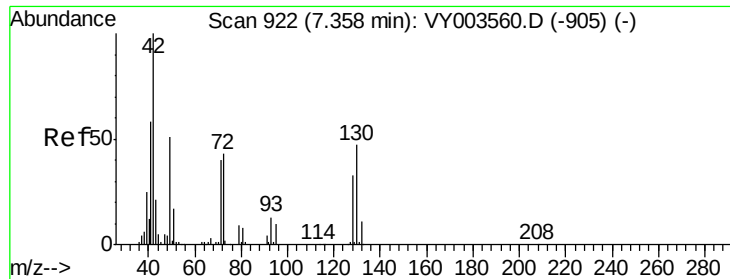
Tot Ion: 84 Resp: 9678
Ion Ratio Lower Upper
84 100
49 134.4 99.0 148.6
51 32.5 30.5 45.7
86 64.1 49.9 74.9



#25
2-Butanone
Concen: 1.808 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY003570.D
Acq: 20 Nov 2020 16:11

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

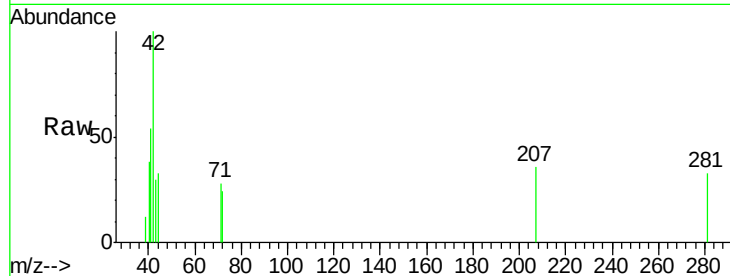




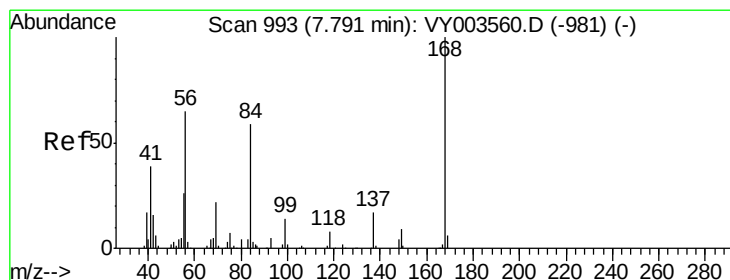
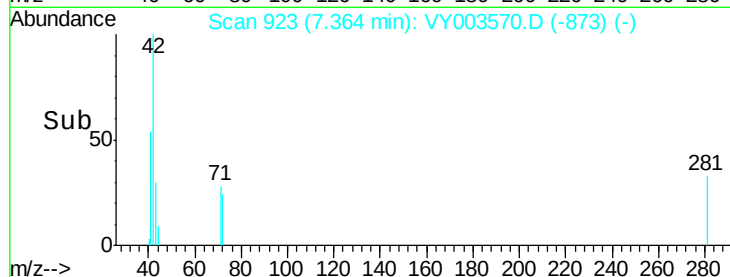
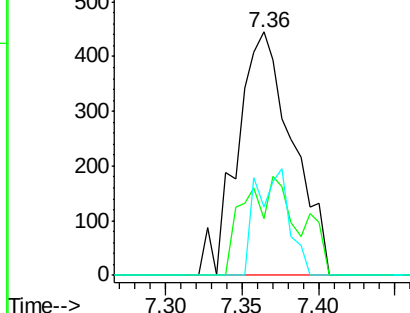
#29
Tetrahydrofuran
Concen: 4.596 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY003570.D
Acq: 20 Nov 2020 16:11

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 1116
Ion Ratio Lower Upper
42 100
72 40.8 32.6 49.0
71 26.1 30.2 45.2#

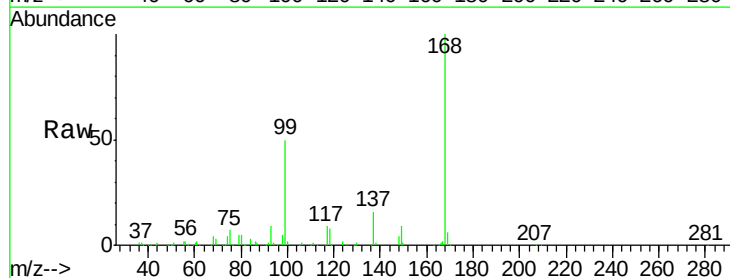


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

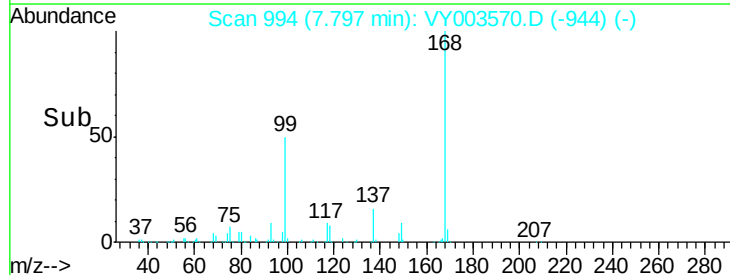
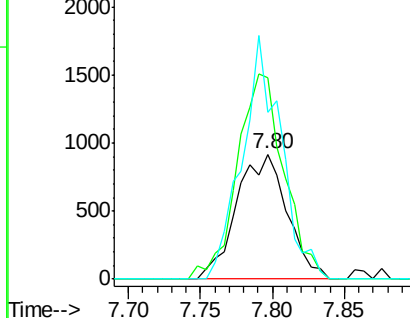


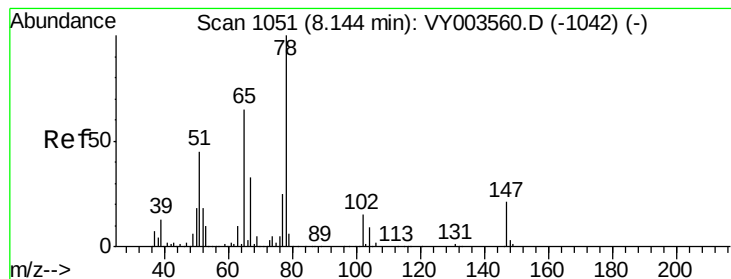
#31
Cyclohexane
Concen: 1.448 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003570.D
Acq: 20 Nov 2020 16:11

Tgt Ion: 56 Resp: 2239
Ion Ratio Lower Upper
56 100
69 161.8 27.0 40.6#
84 133.4 71.8 107.6#



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: 70.201 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003570.D

Acq: 20 Nov 2020 16:11

Instrument :

MSVOA_Y

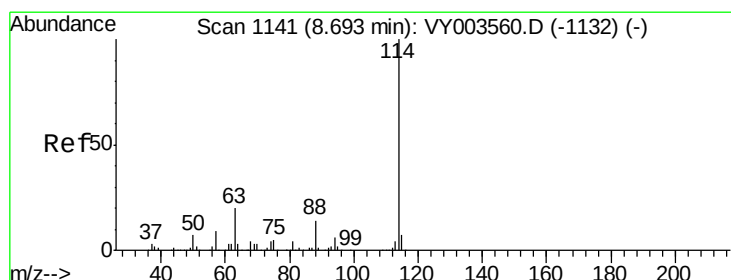
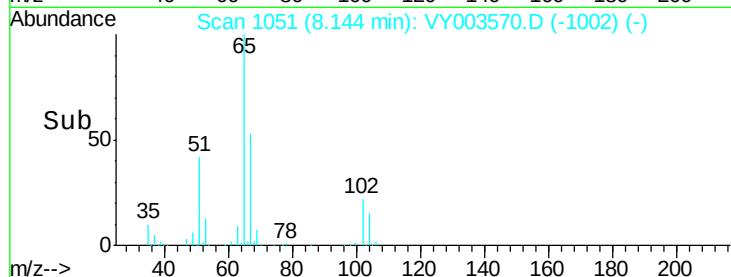
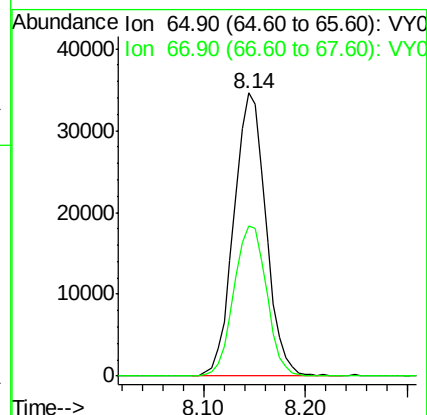
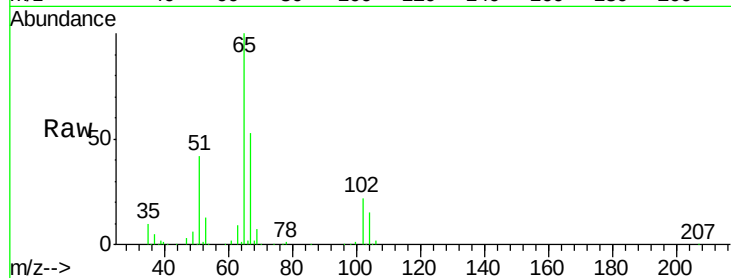
ClientSampleId :

Tot Ion: 65 Resp: 75105

Ion Ratio Lower Upper

65 100

67 54.2 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003570.D

Acq: 20 Nov 2020 16:11

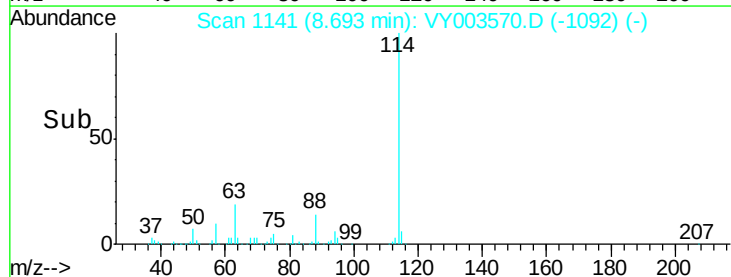
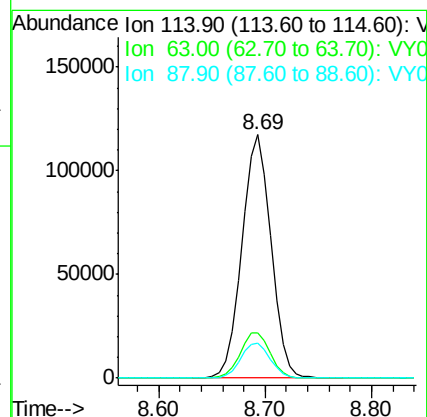
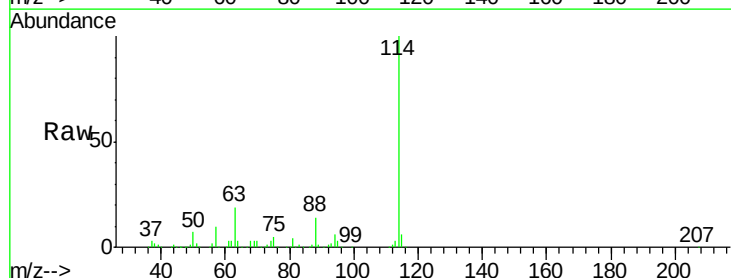
Tgt Ion: 114 Resp: 225855

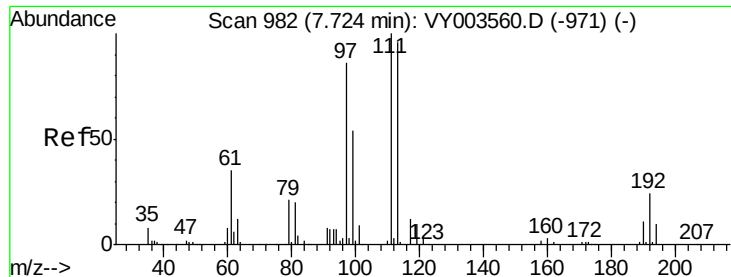
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.8

88 14.4 0.0 29.0

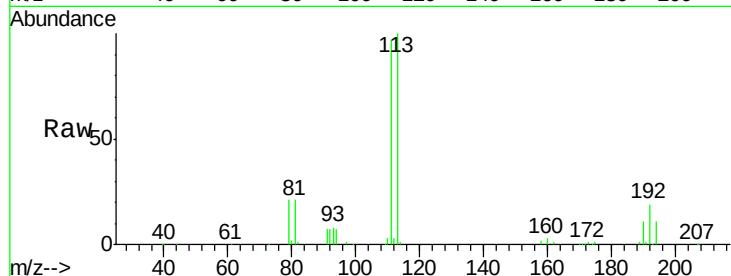




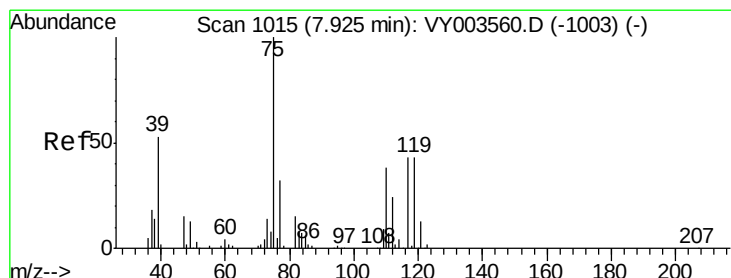
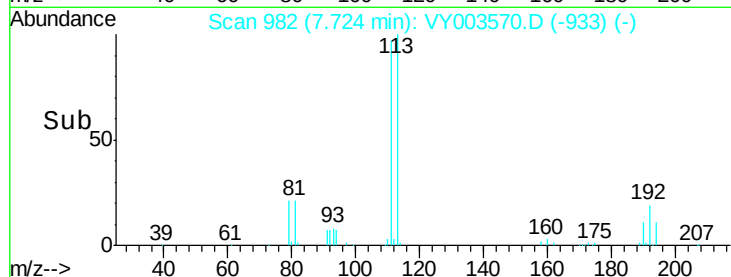
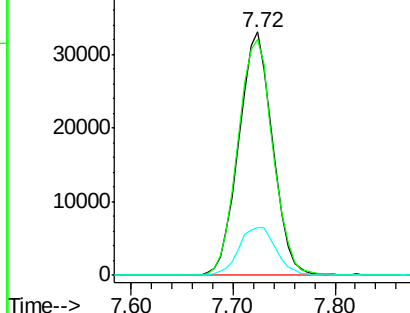
#35
Dibromofluoromethane
Concen: 51.325 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003570.D
Acq: 20 Nov 2020 16:11

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:113 Resp: 76198
Ion Ratio Lower Upper
113 100
111 101.3 81.4 122.0
192 21.6 18.1 27.1

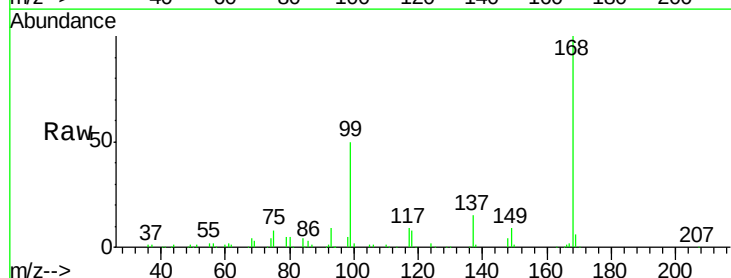


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

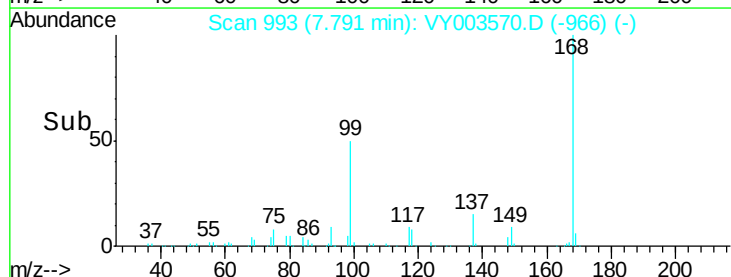
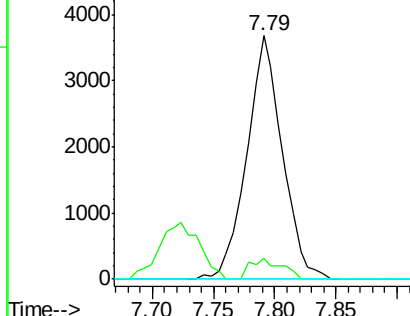


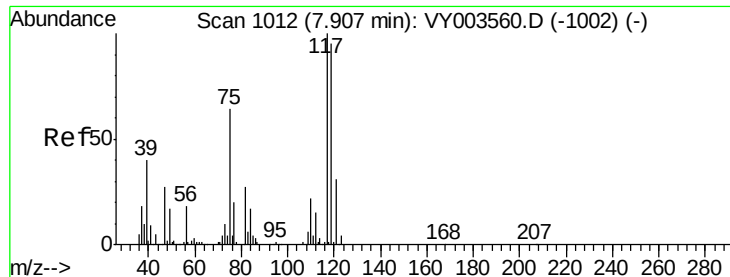
#36
1,1-Dichloropropene
Concen: 3.337 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.13 min
Lab File: VY003570.D
Acq: 20 Nov 2020 16:11

Tgt Ion: 75 Resp: 7420
Ion Ratio Lower Upper
75 100
110 7.5 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: 4.451 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003570.D

Acq: 20 Nov 2020 16:11

Instrument :

MSVOA_Y

ClientSampled :

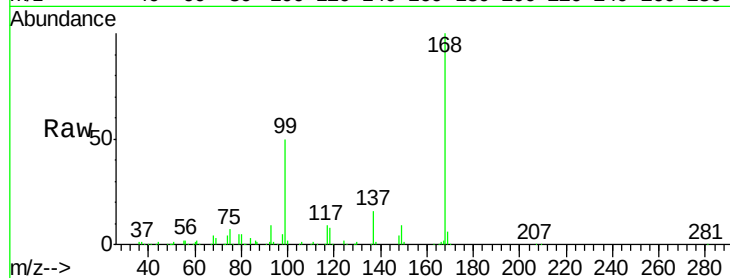
Tot Ion:117 Resp: 9169

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

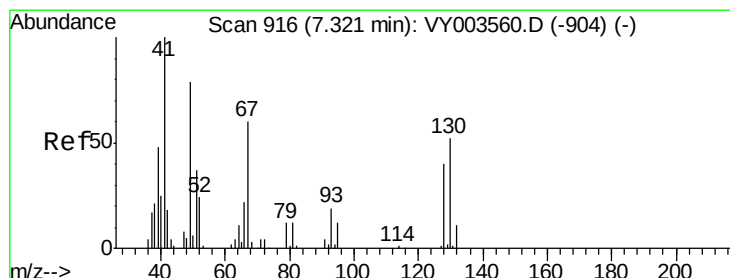
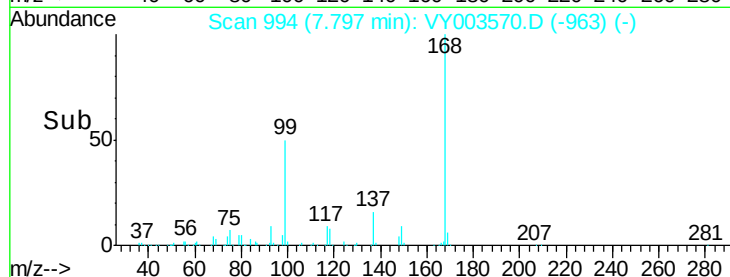
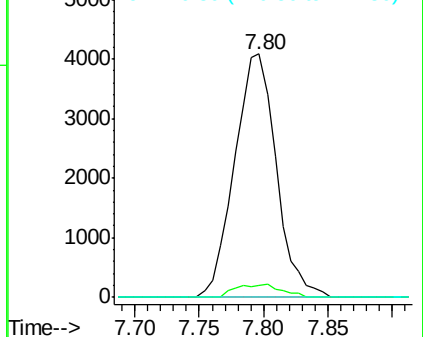
121 0.0 25.1 37.7#



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: 1.002 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.04 min

Lab File: VY003570.D

Acq: 20 Nov 2020 16:11

Tgt Ion: 41 Resp: 794

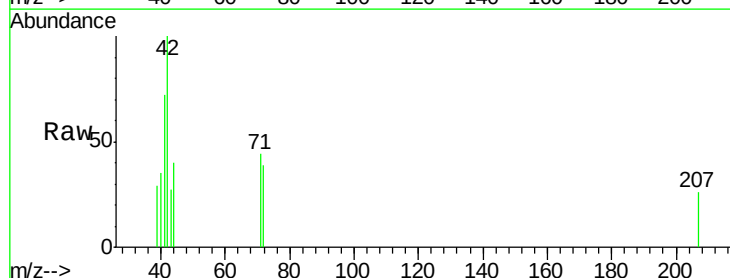
Ion Ratio Lower Upper

41 100

39 26.1 41.4 62.0#

67 0.0 57.2 85.8#

52 0.0 23.6 35.4#

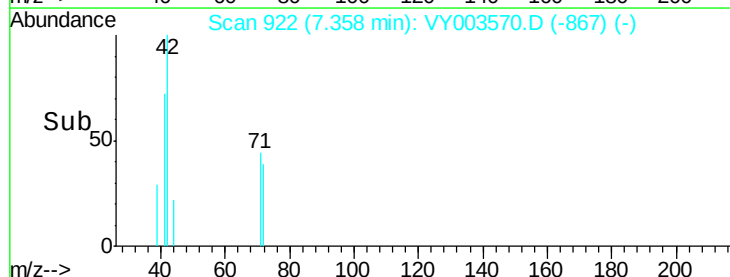
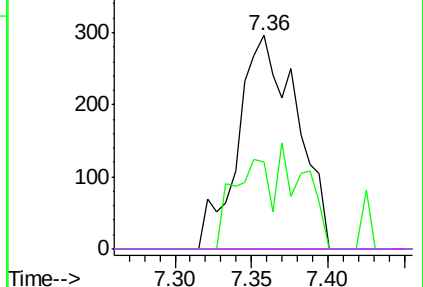


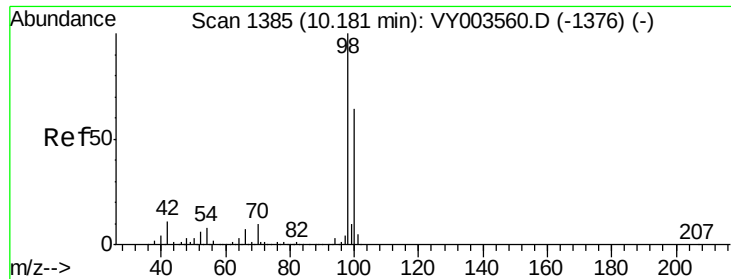
Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 46.510 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003570.D

Acq: 20 Nov 2020 16:11

Instrument :

MSVOA_Y

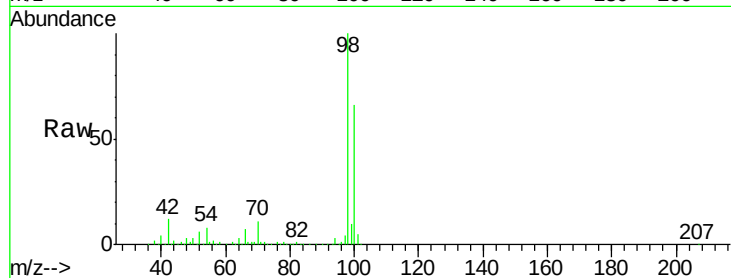
ClientSampleId :

Tot Ion: 98 Resp: 268506

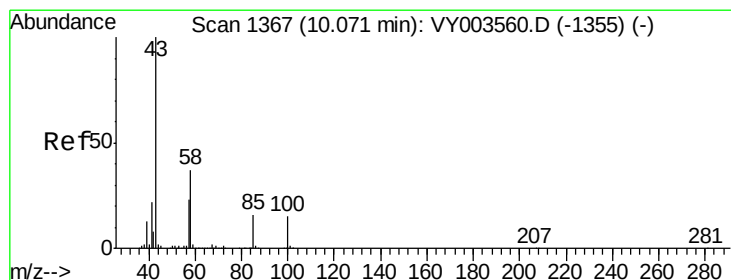
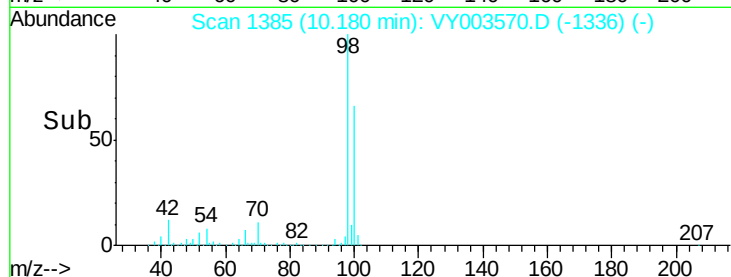
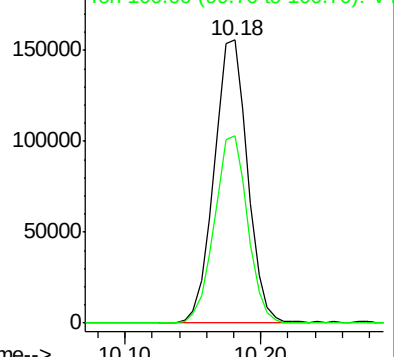
Ion Ratio Lower Upper

98 100

100 65.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VY003560.D (-1376) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.167 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003570.D

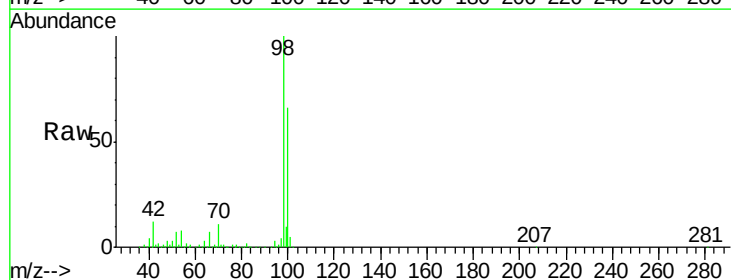
Acq: 20 Nov 2020 16:11

Tgt Ion: 43 Resp: 1376

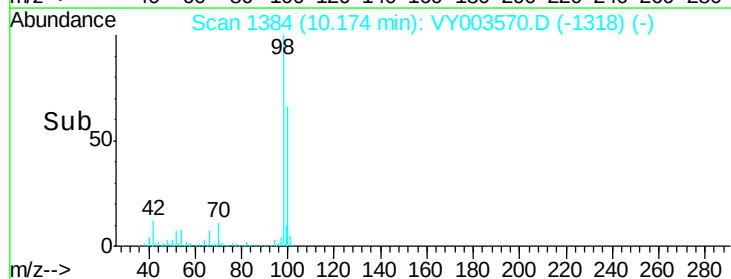
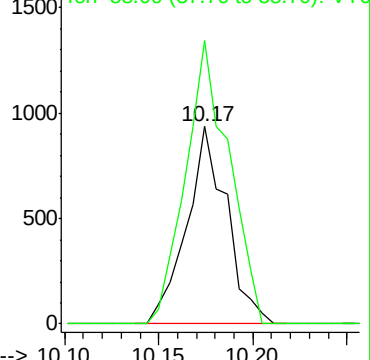
Ion Ratio Lower Upper

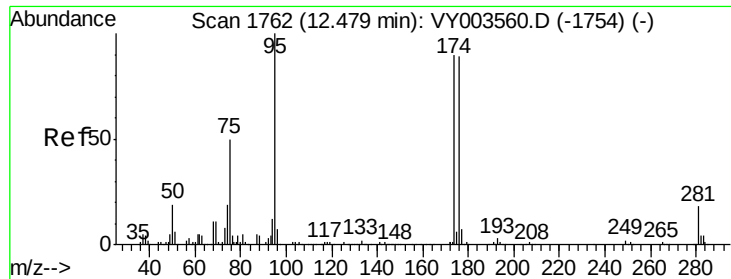
43 100

58 156.3 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VY003560.D (-1355) (-)

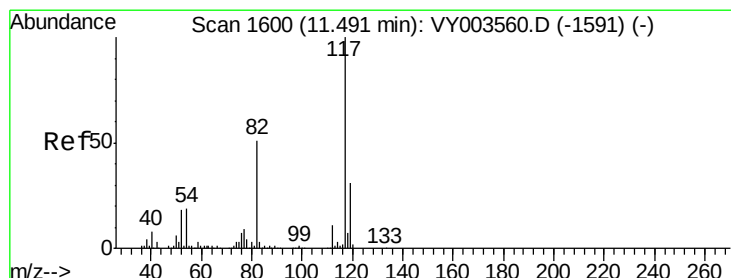
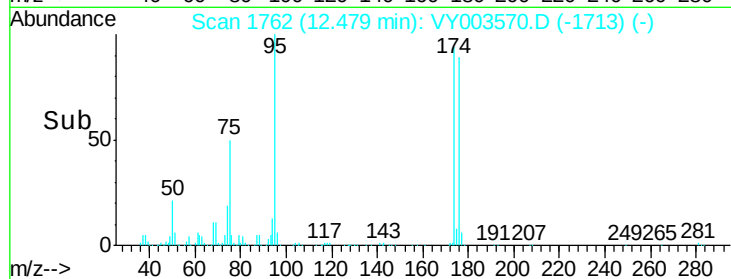
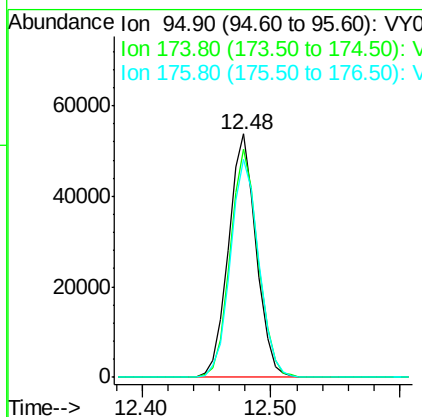
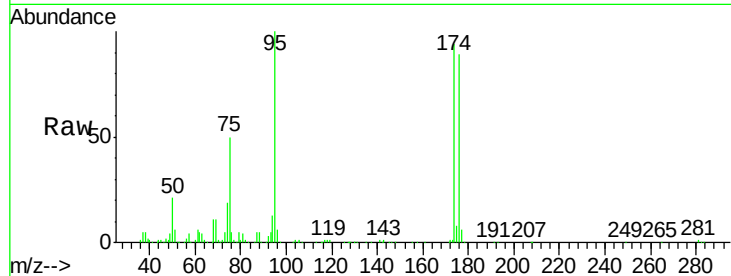




#62
4-Bromofluorobenzene
Concen: 44.138 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003570.D
Acq: 20 Nov 2020 16:11

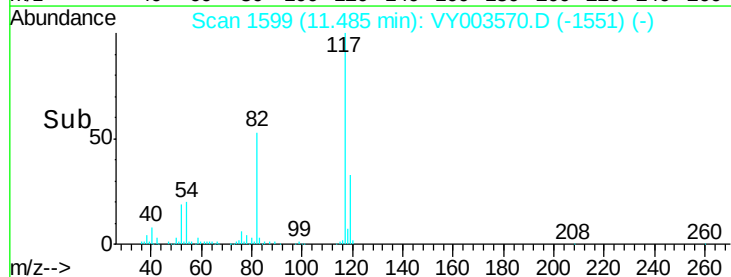
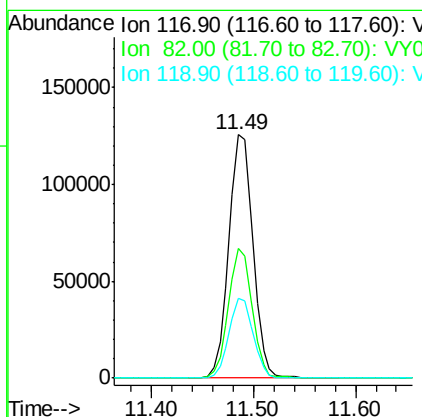
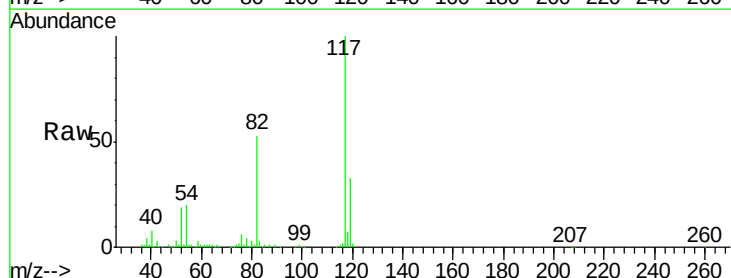
Instrument :
MSVOA_Y
ClientSampleId :

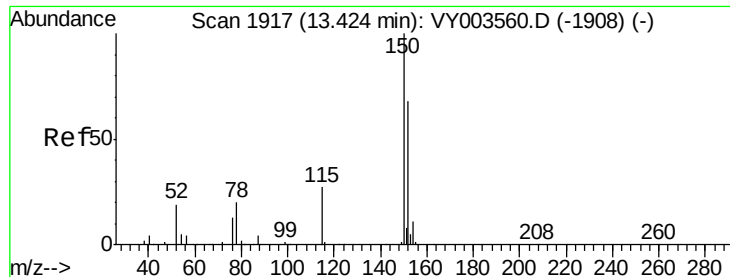
Tot Ion: 95 Resp: 80865
Ion Ratio Lower Upper
95 100
174 94.3 0.0 184.0
176 91.4 0.0 180.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003570.D
Acq: 20 Nov 2020 16:11

Tgt Ion: 117 Resp: 205124
Ion Ratio Lower Upper
117 100
82 53.2 41.0 61.6
119 32.5 25.0 37.6



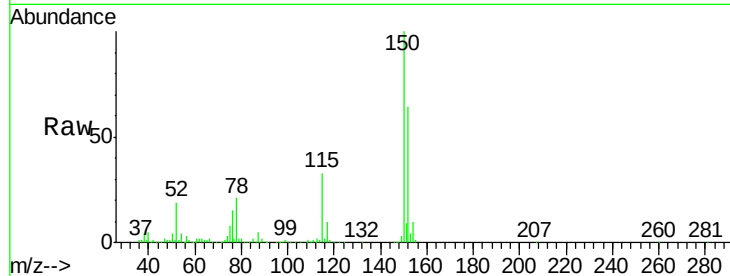


#72

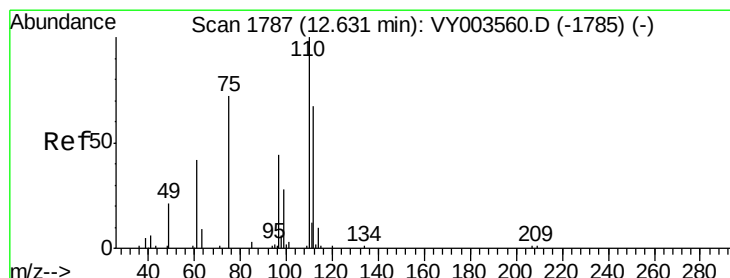
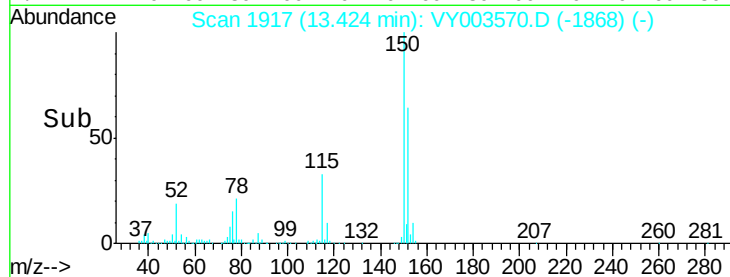
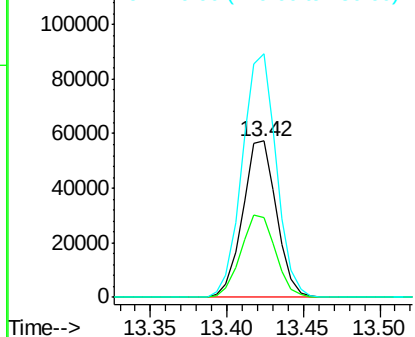
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003570.D
Acq: 20 Nov 2020 16:11

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 88023
Ion Ratio Lower Upper
152 100
115 53.9 27.4 82.0
150 157.0 0.0 349.6



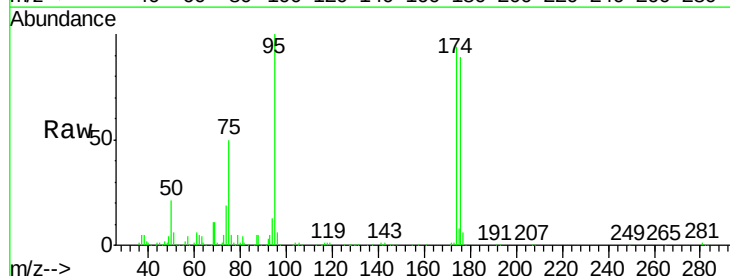
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



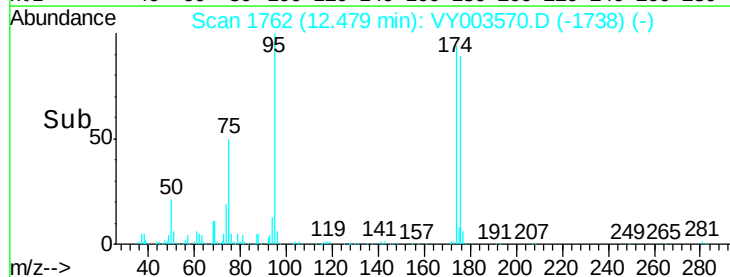
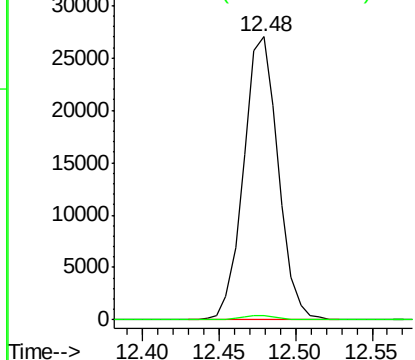
#76

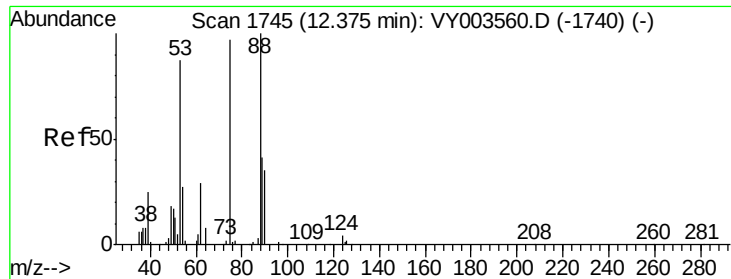
1,2,3-Trichloropropane
Concen: 49.689 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003570.D
Acq: 20 Nov 2020 16:11

Tgt Ion: 75 Resp: 42403
Ion Ratio Lower Upper
75 100
77 1.6 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: 78.990 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003570.D

Acq: 20 Nov 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

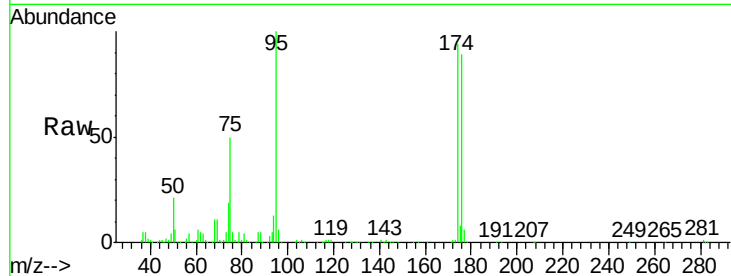
Tot Ion: 75 Resp: 42403

Ion Ratio Lower Upper

75 100

53 0.2 71.4 107.2#

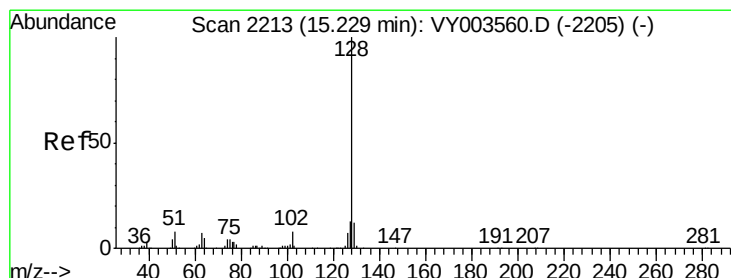
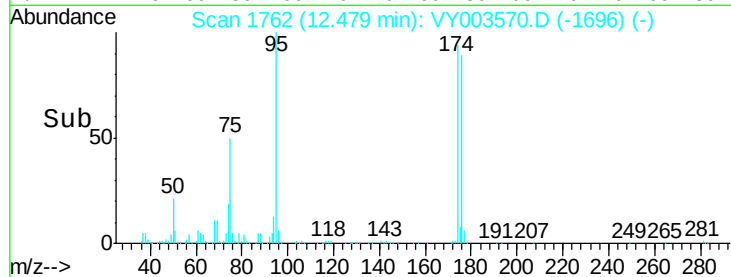
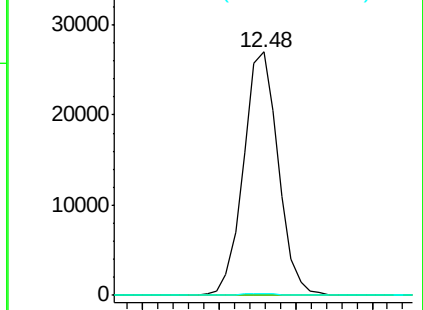
89 0.5 34.7 52.1#



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



#95

Naphthalene

Concen: 2.679 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY003570.D

Acq: 20 Nov 2020 16:11

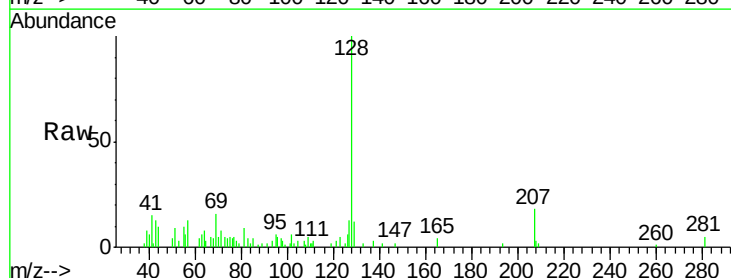
Tgt Ion: 128 Resp: 6009

Ion Ratio Lower Upper

128 100

127 15.2 10.3 15.5

129 13.4 9.0 13.4



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

