

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003575.D
 Acq On : 20 Nov 2020 18:02
 Operator : SY/MD
 Sample : L4836-07
 Misc : 5.29G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 01:54:13 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	7.80	168	87301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	212015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	200942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	86384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	73877	81.50	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	163.00%
35) Dibromofluoromethane	7.72	113	75955	54.50	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.00%
50) Toluene-d8	10.17	98	264865	48.87	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.74%
62) 4-Bromofluorobenzene	12.48	95	81140	47.18	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.36%

Target Compounds

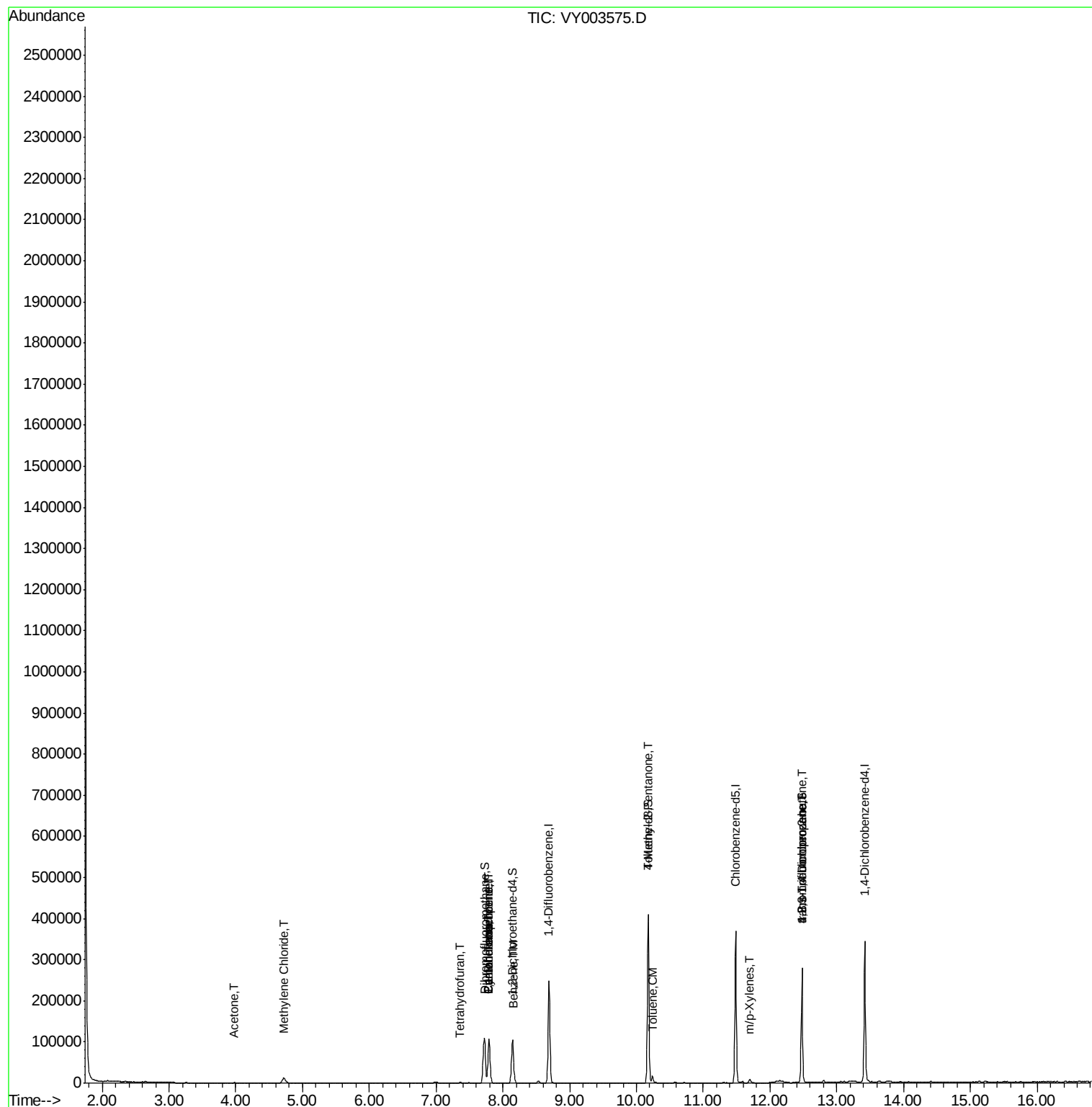
						Qvalue
16) Acetone	3.97	43	1653	5.462	ug/l #	77
20) Methylene Chloride	4.72	84	8891	3.766	ug/l #	89
29) Tetrahydrofuran	7.36	42	783	3.806	ug/l #	88
31) Cyclohexane	7.79	56	1830	1.396	ug/l #	37
36) 1,1-Dichloropropene	7.79	75	6170	2.956	ug/l #	50
38) Carbon Tetrachloride	7.78	117	7984	4.129	ug/l #	16
40) Benzene	8.16	78	6768	1.094	ug/l	97
51) 4-Methyl-2-Pentanone	10.17	43	1341	1.211	ug/l #	1
52) Toluene	10.24	92	6240	1.647	ug/l	98
68) m/p-Xylenes	11.70	106	2896	1.062	ug/l	96
76) 1,2,3-Trichloropropane	12.47	75	41766	49.871	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	41766	79.280	ug/l #	14

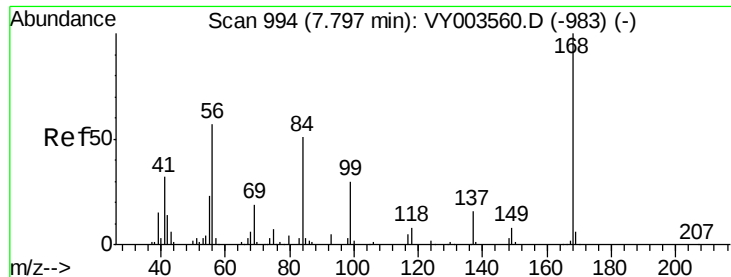
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003575.D

Acq: 20 Nov 2020 18:02

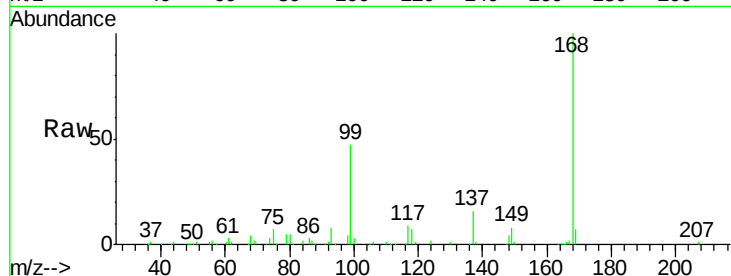
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 87301

Ion Ratio Lower Upper

168 100

99 47.5 37.6 56.4



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

Ion 98.90 (98.60 to 99.60): VY003560.D (-983) (-)

7.80

40000

30000

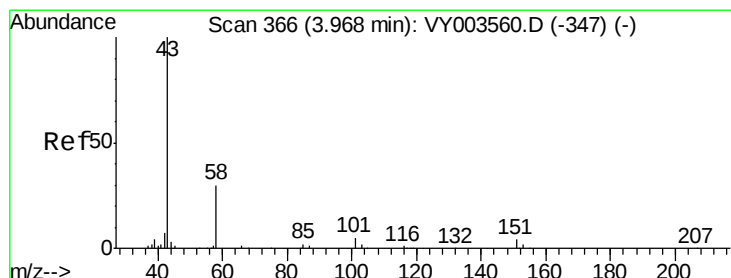
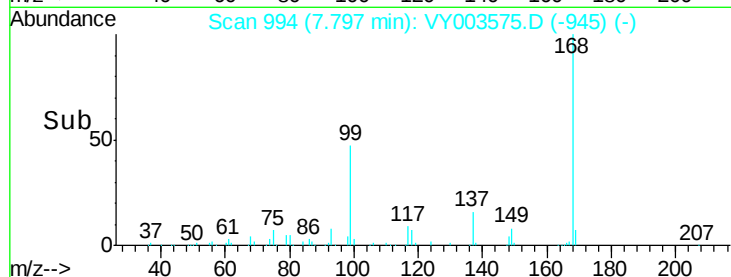
20000

10000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 5.462 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY003575.D

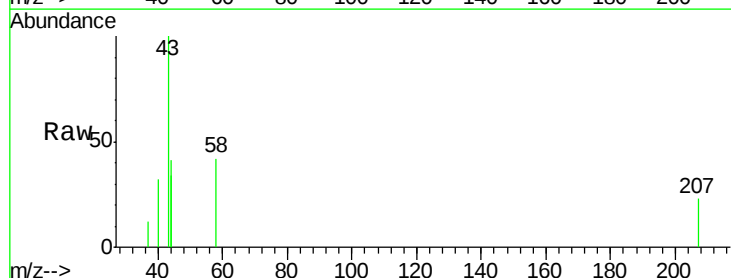
Acq: 20 Nov 2020 18:02

Tgt Ion: 43 Resp: 1653

Ion Ratio Lower Upper

43 100

58 42.4 23.8 35.8#



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

Ion 58.00 (57.70 to 58.70): VY003560.D (-347) (-)

3.97

500

400

300

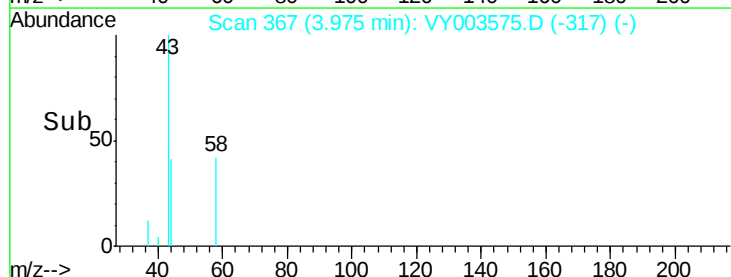
200

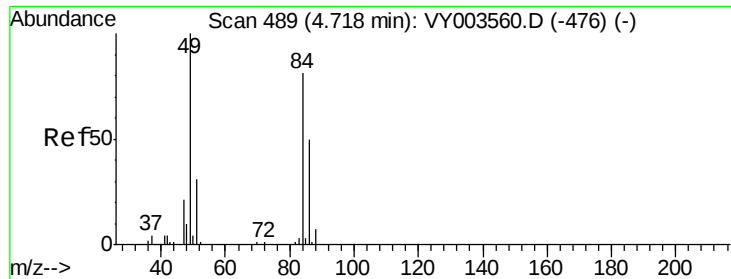
100

0

3.90 4.00 4.10

Time-->

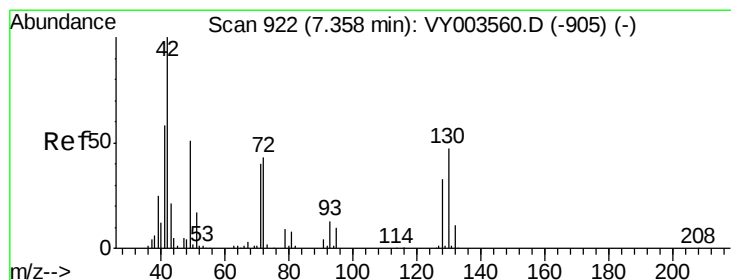
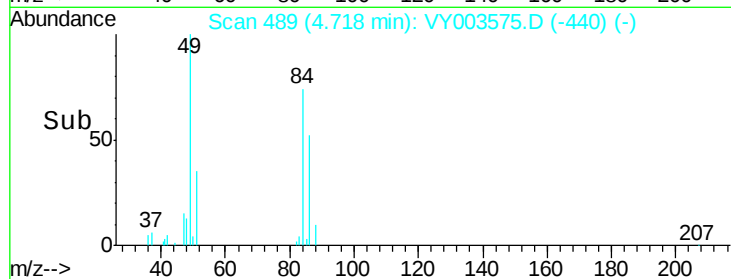
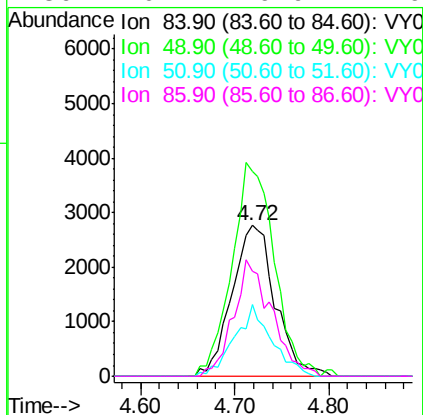
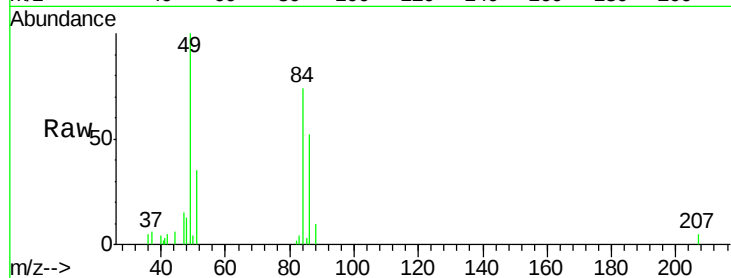




#20
Methvlene Chloride
Concen: 3.766 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY003575.D
Acq: 20 Nov 2020 18:02

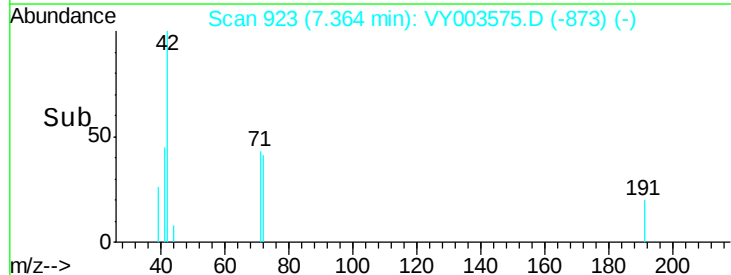
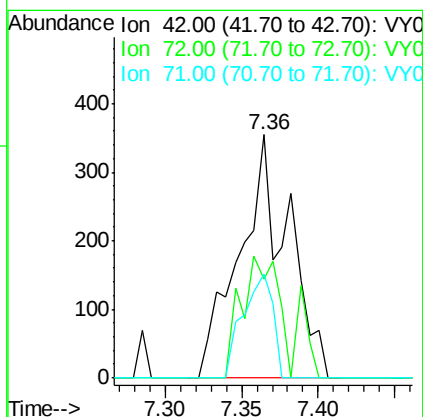
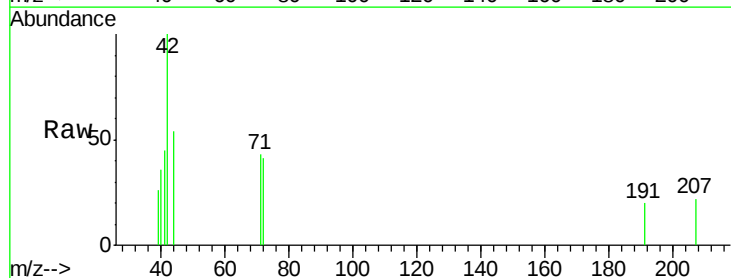
Instrument :
MSVOA_Y
ClientSampleId :

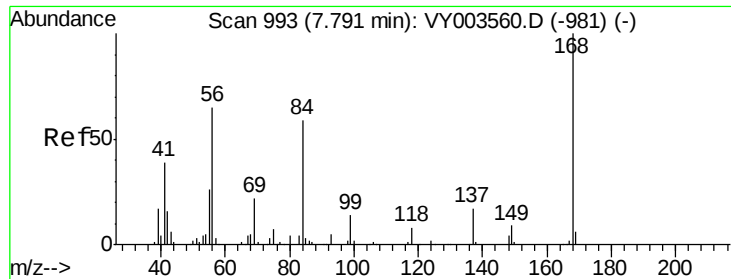
Tot Ion: 84 Resp: 8891
Ion Ratio Lower Upper
84 100
49 135.7 99.0 148.6
51 47.3 30.5 45.7#
86 70.1 49.9 74.9



#29
Tetrahydrofuran
Concen: 3.806 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY003575.D
Acq: 20 Nov 2020 18:02

Tgt Ion: 42 Resp: 783
Ion Ratio Lower Upper
42 100
72 37.9 32.6 49.0
71 26.2 30.2 45.2#

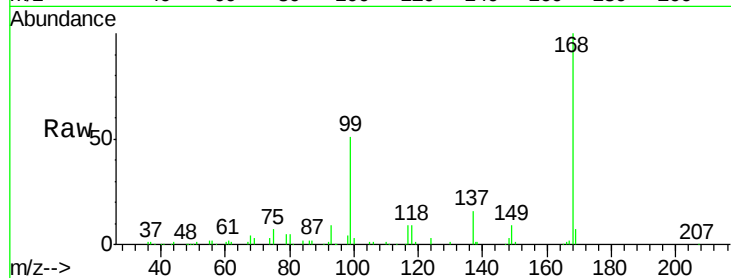




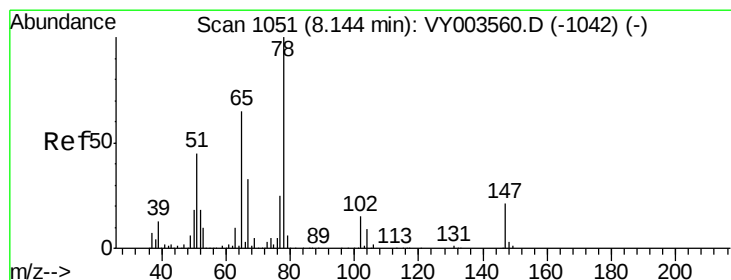
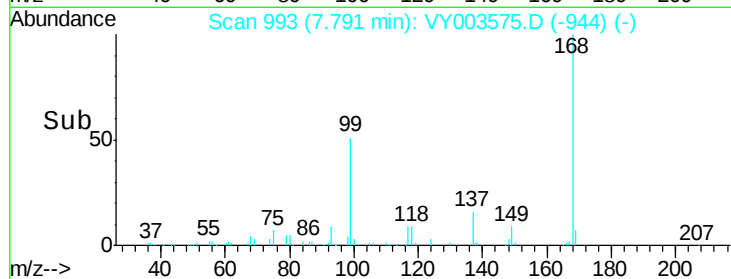
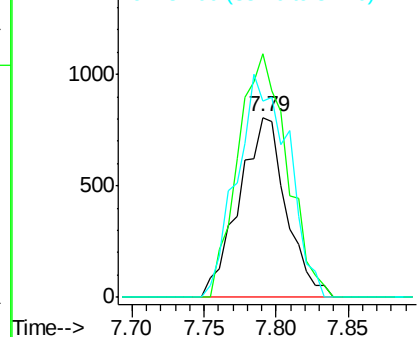
#31
Cyclohexane
Concen: 1.396 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003575.D
Acq: 20 Nov 2020 18:02

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 1830
Ion Ratio Lower Upper
56 100
69 135.3 27.0 40.6#
84 108.9 71.8 107.6#

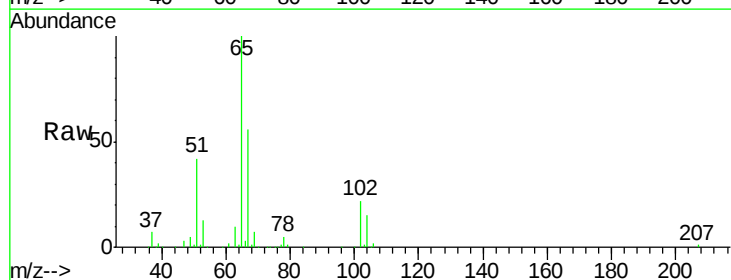


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

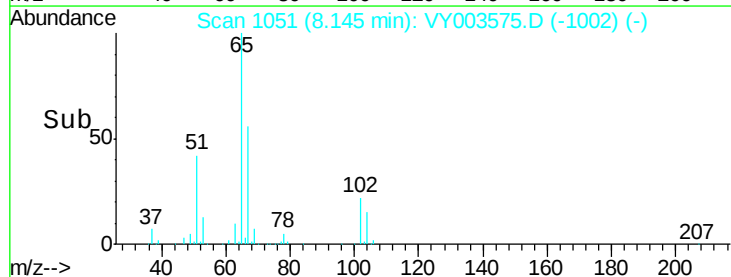
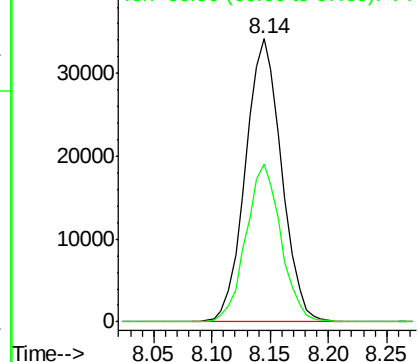


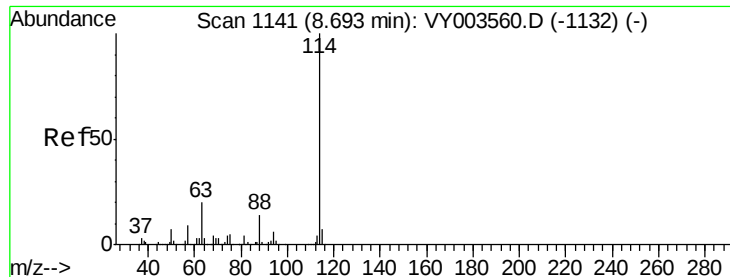
#33
1,2-Dichloroethane-d4
Concen: 81.500 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VY003575.D
Acq: 20 Nov 2020 18:02

Tgt Ion: 65 Resp: 73877
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.2



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

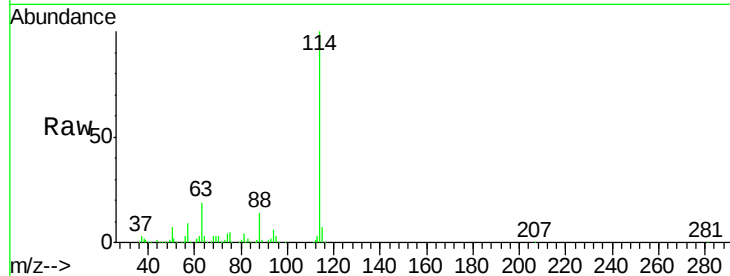




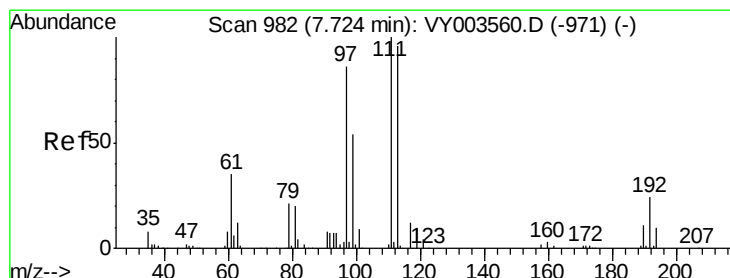
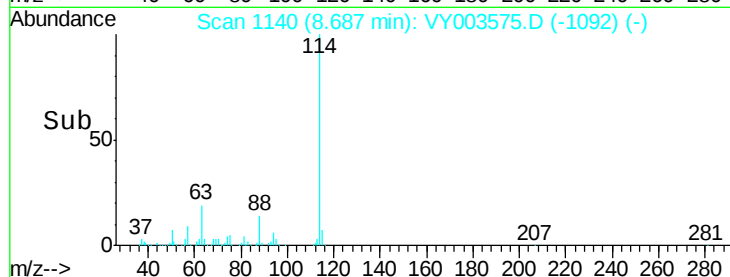
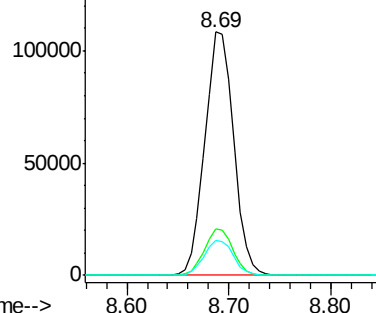
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: VY003575.D
 Acq: 20 Nov 2020 18:02

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.8
88	14.5	0.0	29.0

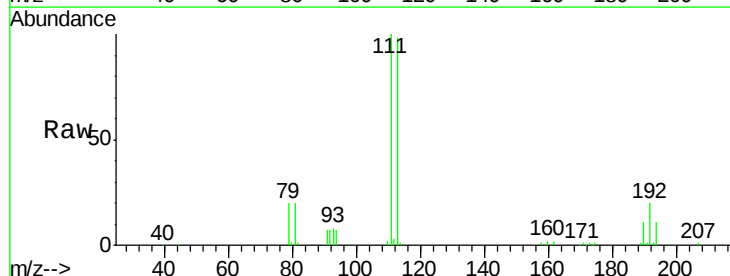


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

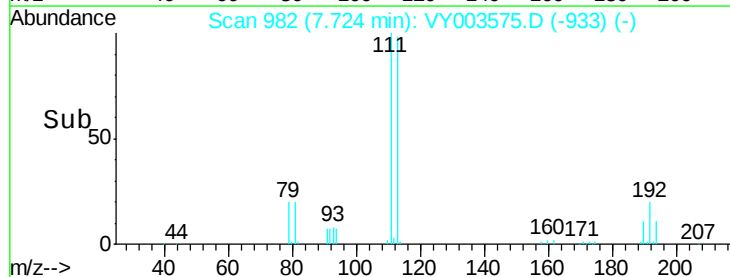
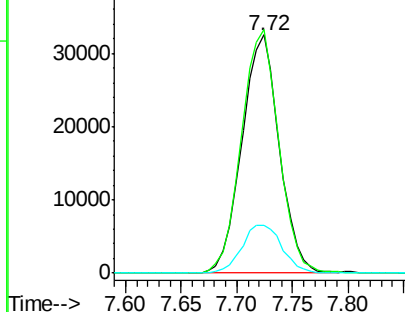


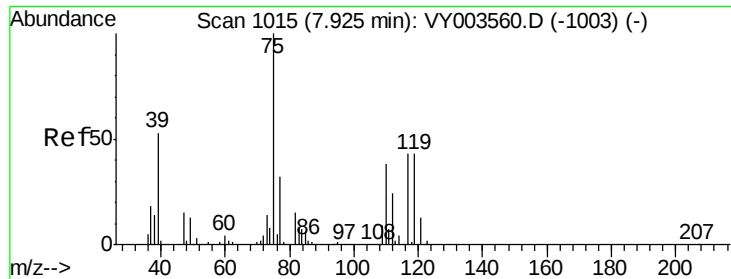
#35
 Dibromofluoromethane
 Concen: 54.501 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003575.D
 Acq: 20 Nov 2020 18:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	21.7	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

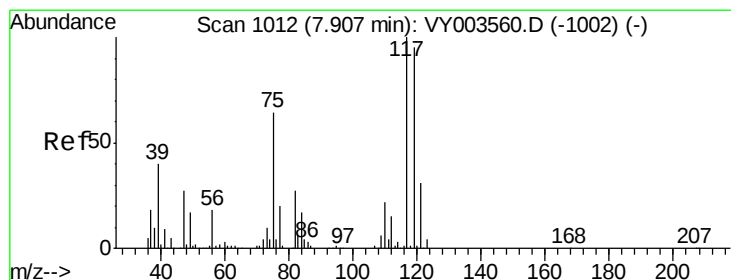
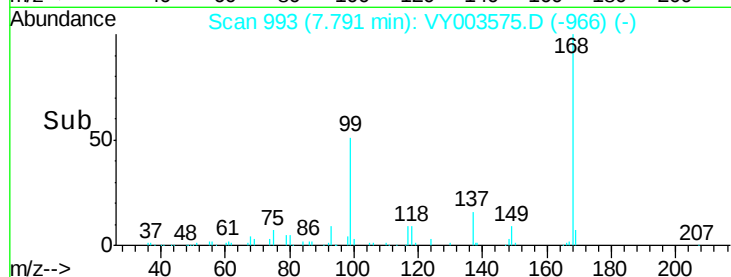
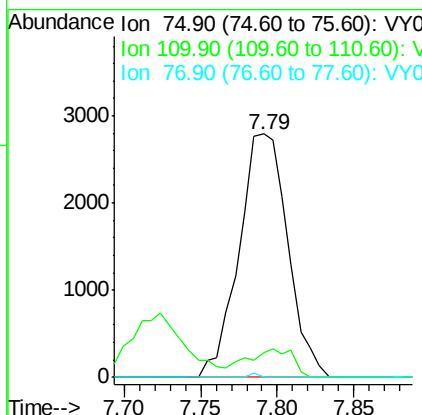
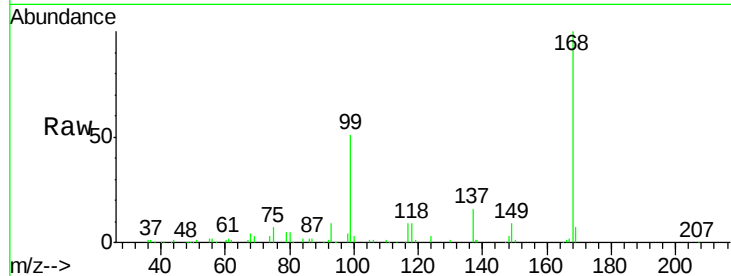




#36
 1,1-Dichloropropene
 Concen: 2.956 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003575.D
 Acq: 20 Nov 2020 18:02

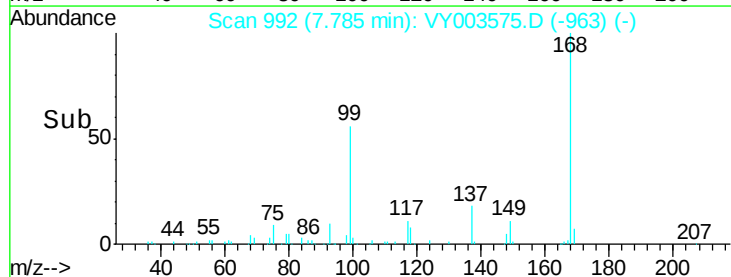
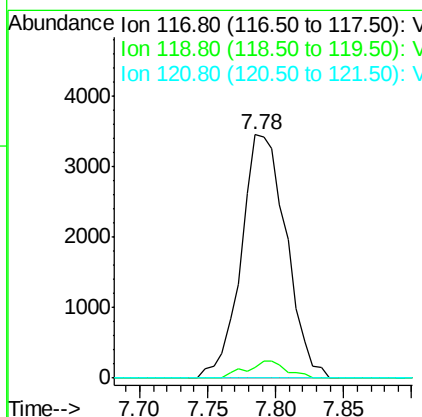
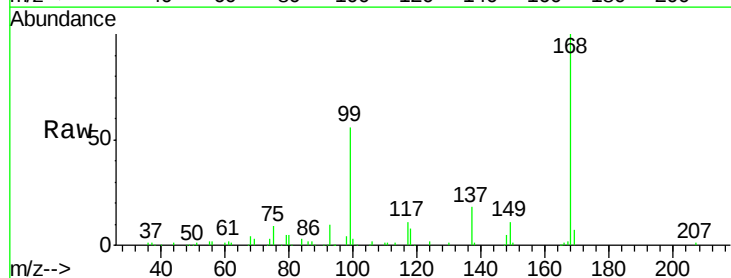
Instrument :
 MSVOA_Y
 ClientSampled :

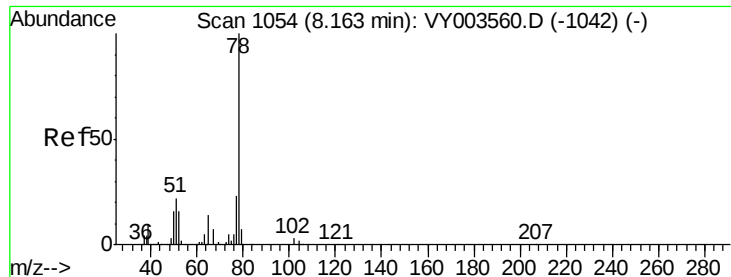
Tot Ion: 75 Resp: 6170
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.7 56.1#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 4.129 ug/l
 RT: 7.78 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VY003575.D
 Acq: 20 Nov 2020 18:02

Tgt Ion: 117 Resp: 7984
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.3 114.5#
 121 0.0 25.1 37.7#

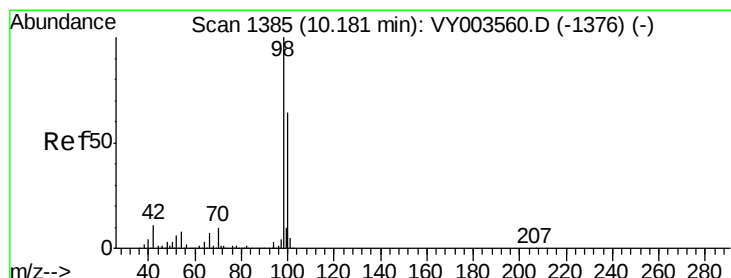
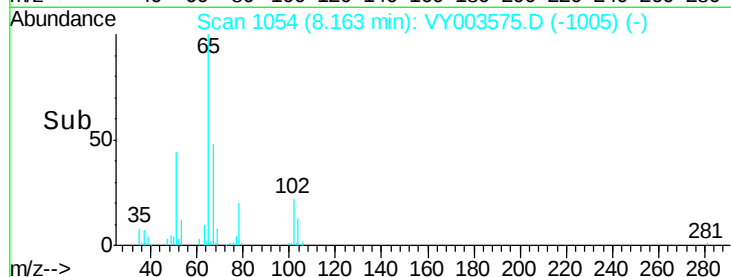
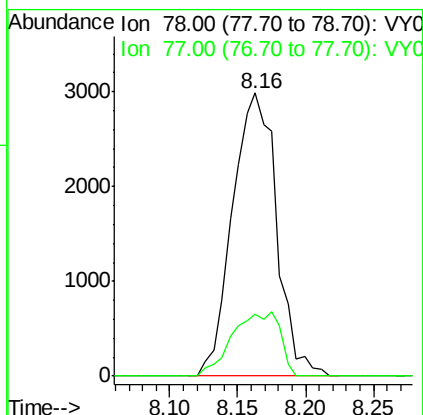
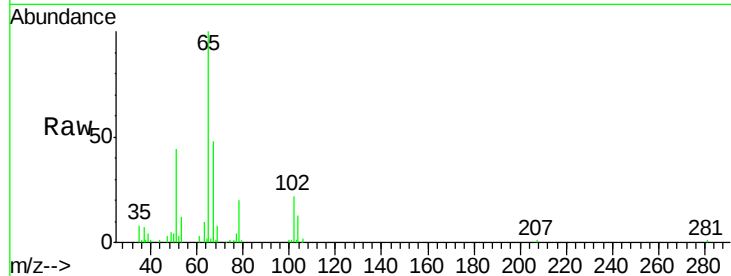




#40
Benzene
Concen: 1.094 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003575.D
Acq: 20 Nov 2020 18:02

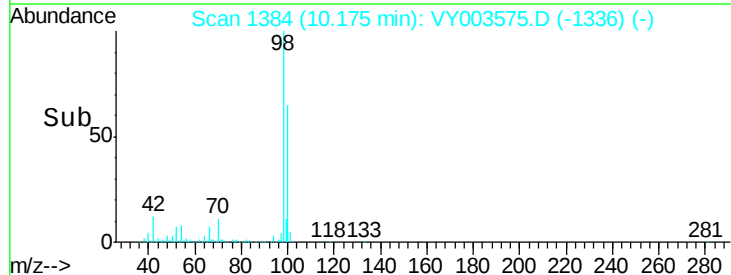
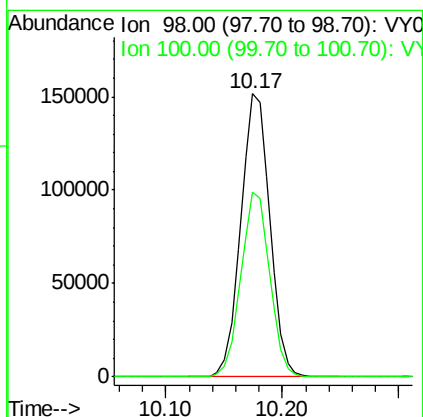
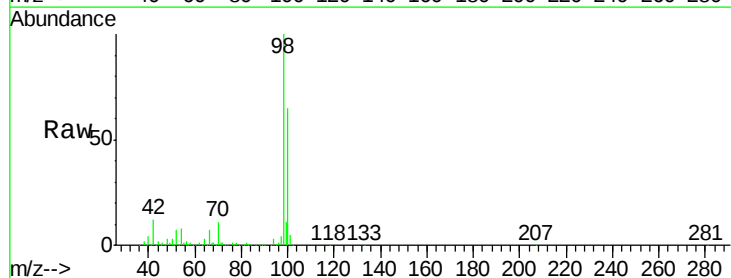
Instrument :
MSVOA_Y
ClientSampleId :

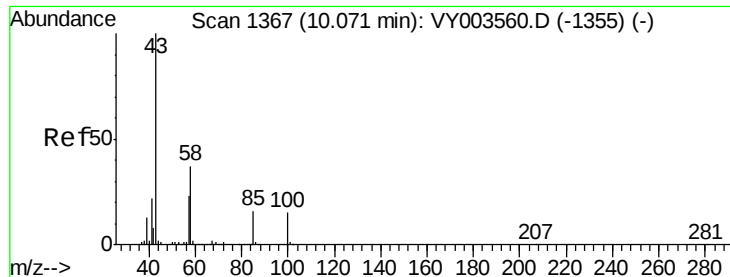
Tot Ion: 78 Resp: 6768
Ion Ratio Lower Upper
78 100
77 22.0 18.6 28.0



#50
Toluene-d8
Concen: 48.875 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY003575.D
Acq: 20 Nov 2020 18:02

Tgt Ion: 98 Resp: 264865
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 1.211 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003575.D

Acq: 20 Nov 2020 18:02

Instrument :

MSVOA_Y

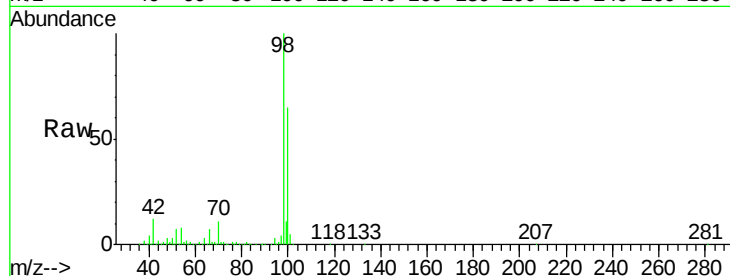
ClientSampleId :

Tot Ion: 43 Resp: 1341

Ion Ratio Lower Upper

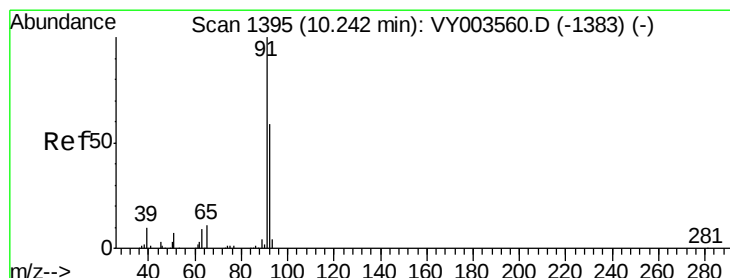
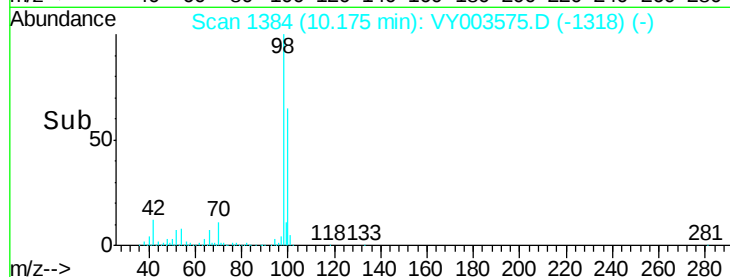
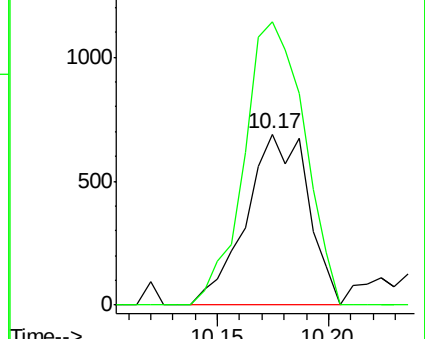
43 100

58 160.4 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 1.647 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003575.D

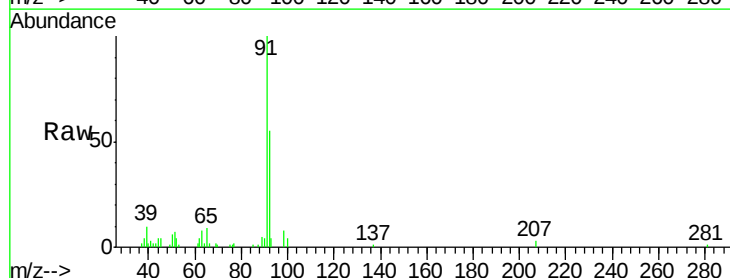
Acq: 20 Nov 2020 18:02

Tgt Ion: 92 Resp: 6240

Ion Ratio Lower Upper

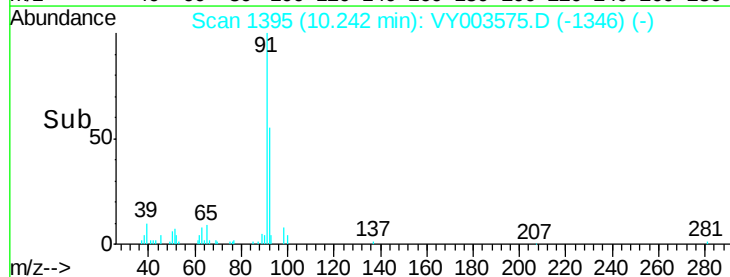
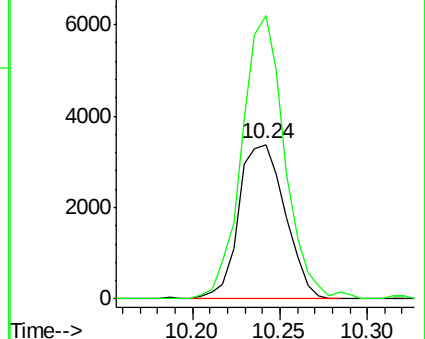
92 100

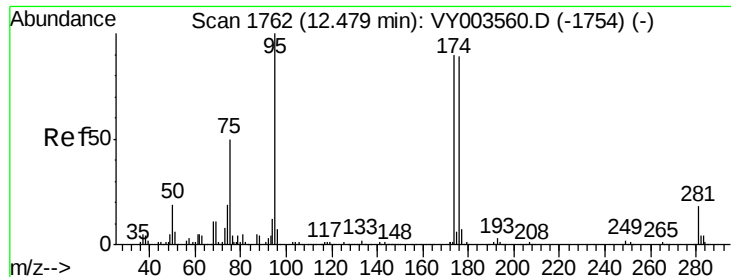
91 169.3 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

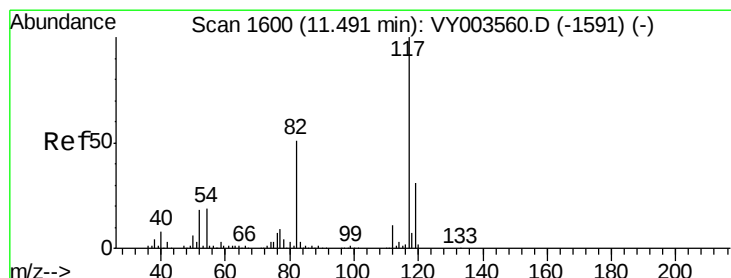
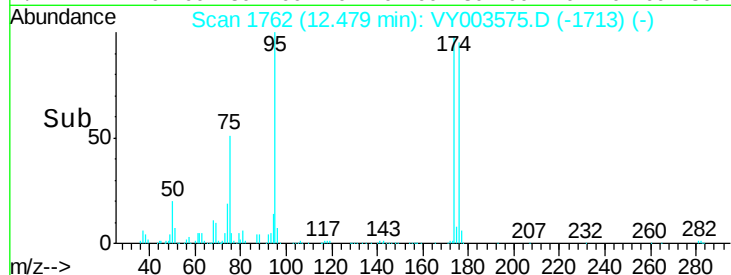
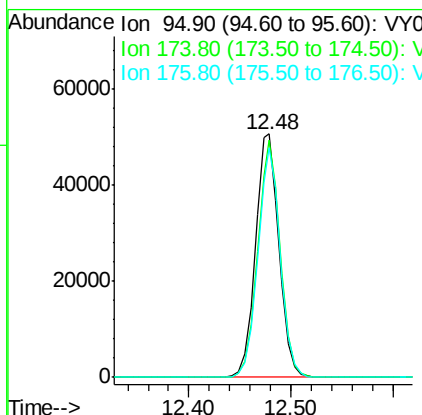
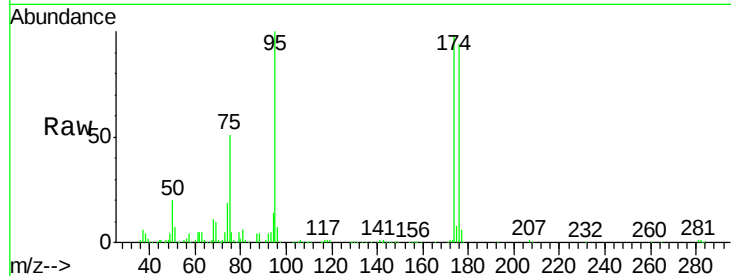




#62
4-Bromofluorobenzene
Concen: 47.179 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003575.D
Acq: 20 Nov 2020 18:02

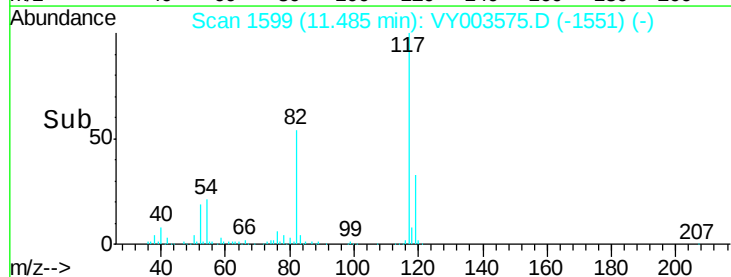
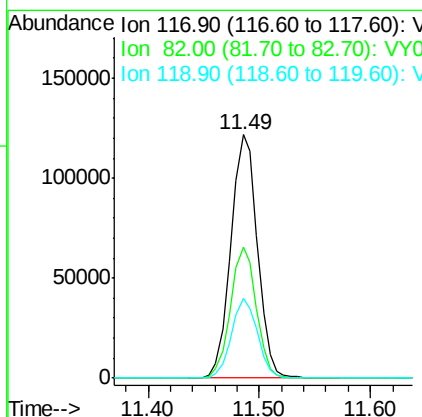
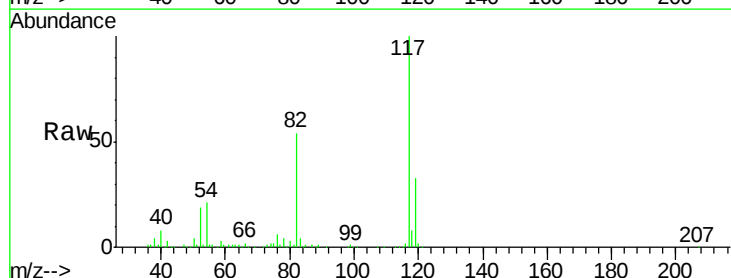
Instrument :
MSVOA_Y
ClientSampleId :

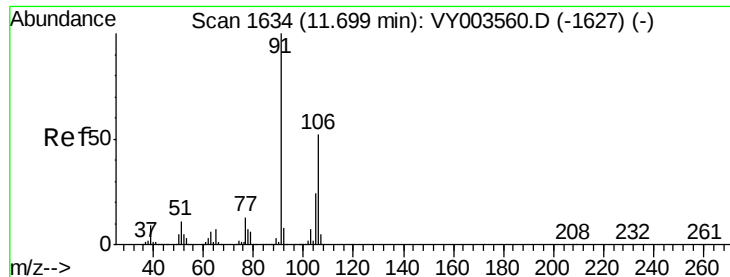
Tot Ion: 95 Resp: 81140
Ion Ratio Lower Upper
95 100
174 93.2 0.0 184.0
176 89.9 0.0 180.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003575.D
Acq: 20 Nov 2020 18:02

Tgt Ion: 117 Resp: 200942
Ion Ratio Lower Upper
117 100
82 53.8 41.0 61.6
119 32.6 25.0 37.6

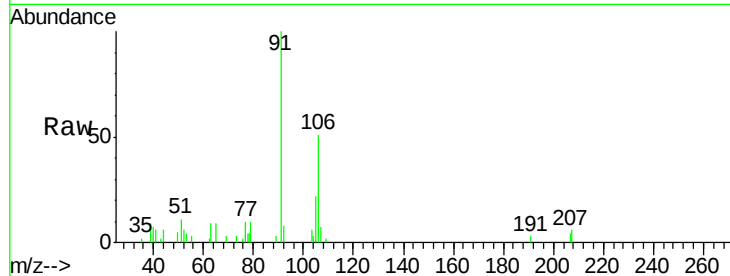




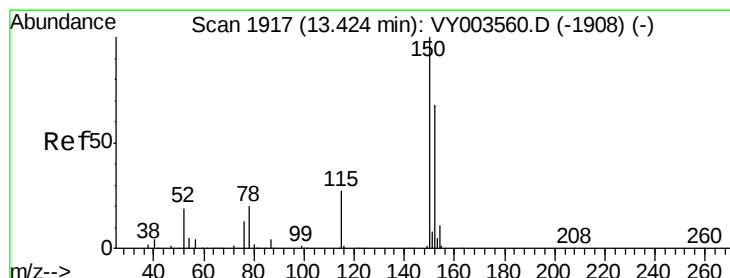
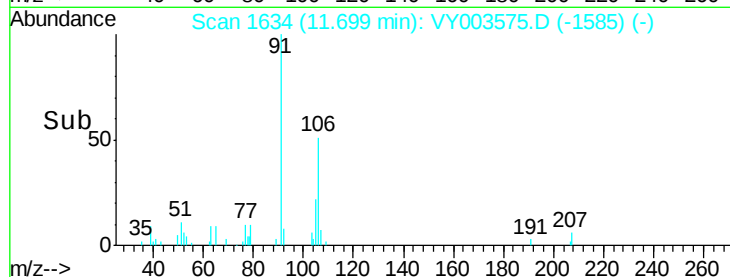
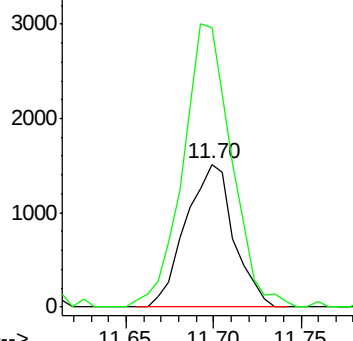
#68
m/p-Xvlenes
Concen: 1.062 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003575.D
Acq: 20 Nov 2020 18:02

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 2896
Ion Ratio Lower Upper
106 100
91 199.4 154.2 231.4

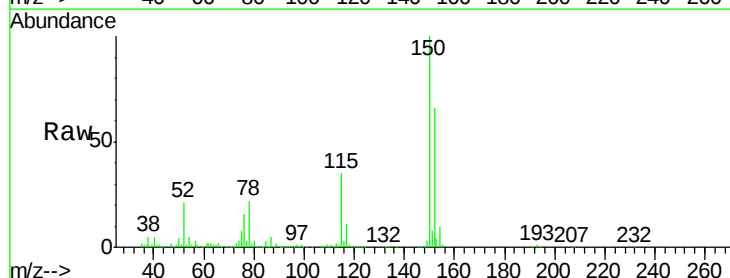


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

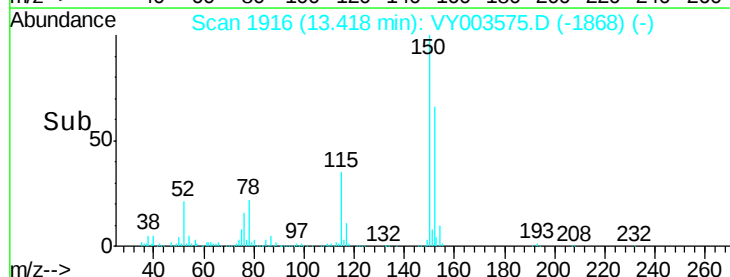
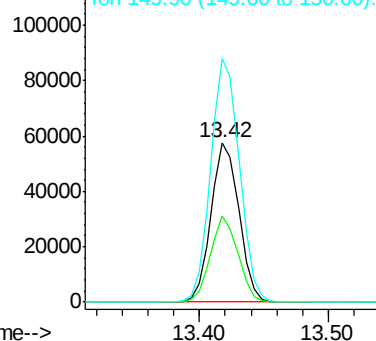


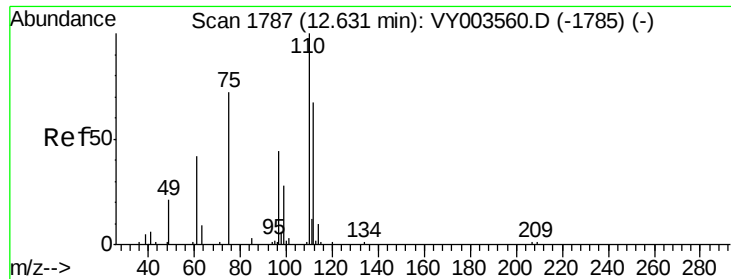
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY003575.D
Acq: 20 Nov 2020 18:02

Tgt Ion:152 Resp: 86384
Ion Ratio Lower Upper
152 100
115 53.3 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

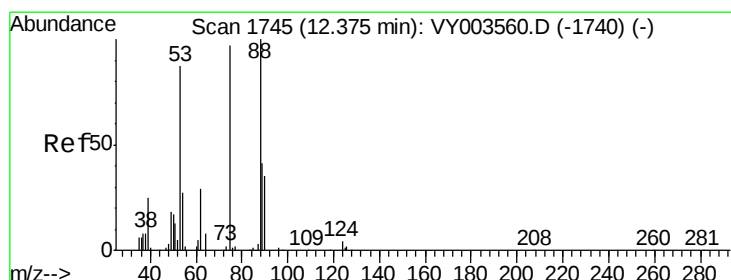
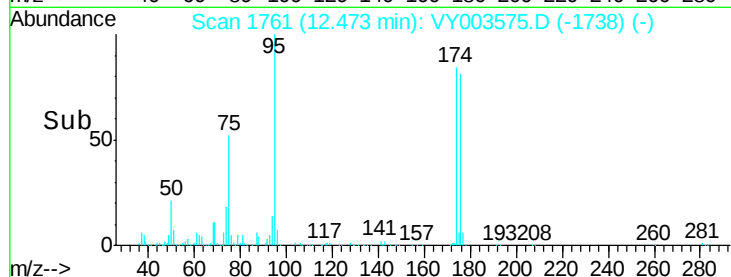
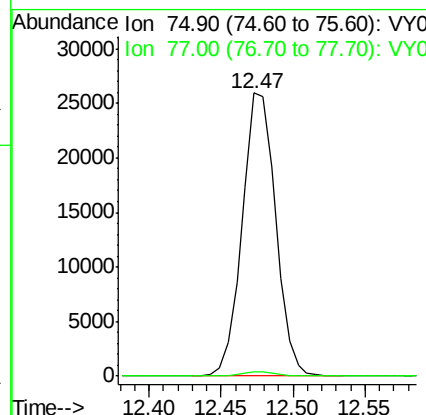
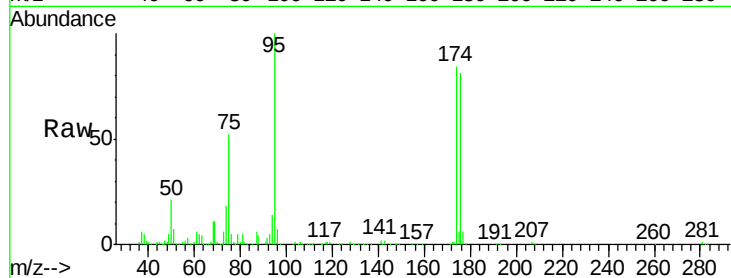




#76
 1,2,3-Trichloropropane
 Concen: 49.871 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. -0.16 min
 Lab File: VY003575.D
 Acq: 20 Nov 2020 18:02

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 41766
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.280 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. 0.10 min
 Lab File: VY003575.D
 Acq: 20 Nov 2020 18:02

Tgt Ion: 75 Resp: 41766
 Ion Ratio Lower Upper
 75 100
 53 0.3 71.4 107.2#
 89 0.0 34.7 52.1#

