

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000842.D
 Acq On : 03 Dec 2019 16:41
 Operator : SY/MD
 Sample : K6120-05
 Misc : 9.46G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

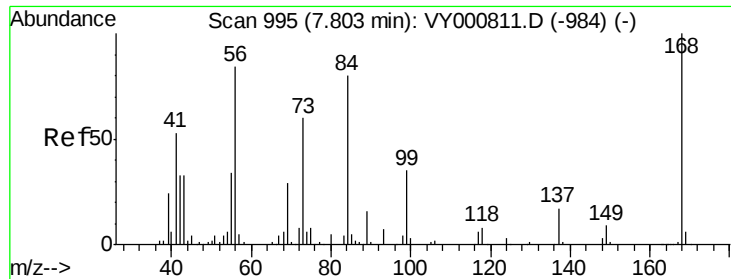
Quant Time: Dec 04 00:58:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	248045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	469337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	424456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	183216	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	151858	57.62	ug/l	0.00
Spiked Amount			Recovery	=	115.24%	
35) Dibromofluoromethane	7.72	113	140620	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	10.18	98	566441	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.48	95	187060	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	185	Below Cal	#	3
16) Acetone	3.96	43	67928	112.348	ug/l	97
20) Methylene Chloride	4.73	84	21058	6.607	ug/l #	82
28) Bromochloromethane	7.36	49	23	2.027	ug/l #	15
36) 1,1-Dichloropropene	7.79	75	21101	4.522	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24646	5.930	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4441	1.693	ug/l #	34
55) 1,1,2-Trichloroethane	10.62	97	11425	4.335	ug/l #	20
59) 2-Hexanone	10.80	43	6826	3.571	ug/l #	22
67) Ethyl Benzene	11.59	91	86789	5.282	ug/l	97
68) m/p-Xylenes	11.70	106	159510	25.863	ug/l	96
69) o-Xylene	12.03	106	51406	8.939	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	97248	46.848	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	97248	92.023	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.12	105	23710	1.962	ug/l	100
85) sec-Butylbenzene	13.12	105	23710	1.605	ug/l #	56

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000842.D

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Instrument :

MSVOA_Y

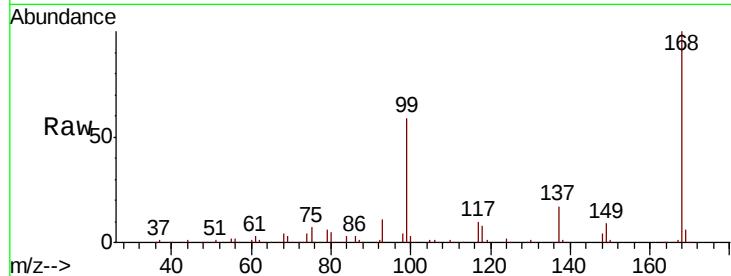
ClientSampleId :

Tot Ion:168 Resp: 248045

Ion Ratio Lower Upper

168 100

99 59.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

120000

100000

80000

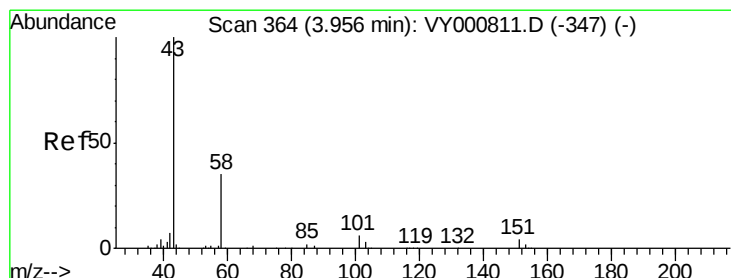
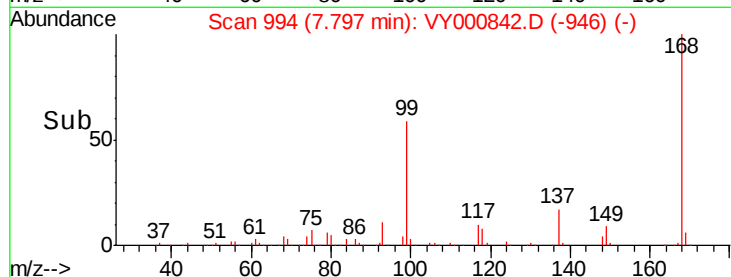
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 112.348 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000842.D

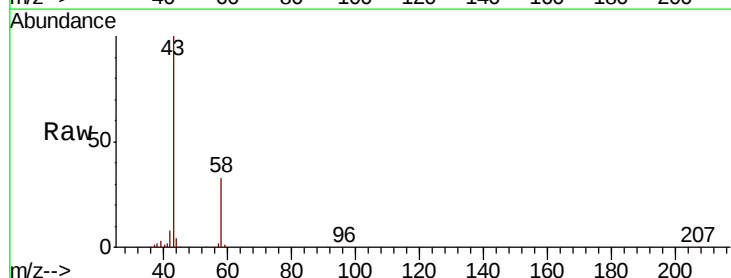
Acq: 03 Dec 2019 16:41

Tgt Ion: 43 Resp: 67928

Ion Ratio Lower Upper

43 100

58 33.4 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-347) (-)

3.96

25000

20000

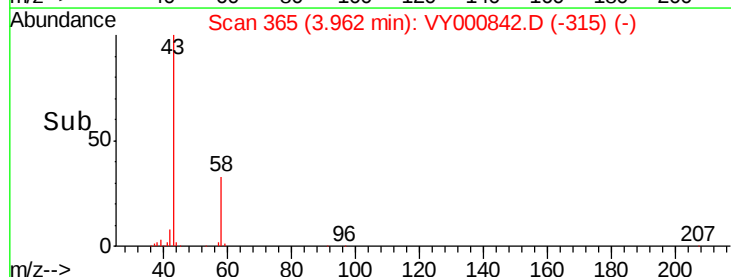
15000

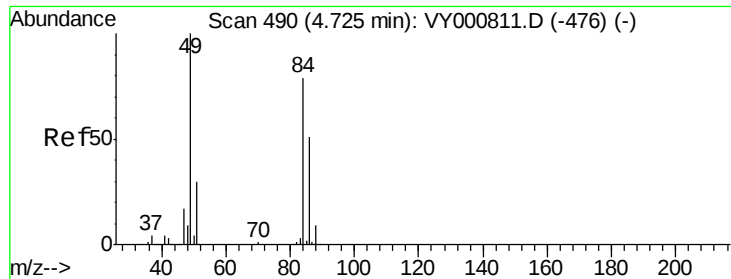
10000

5000

0

Time-->

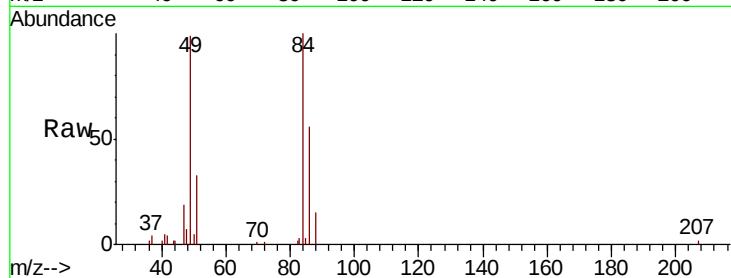




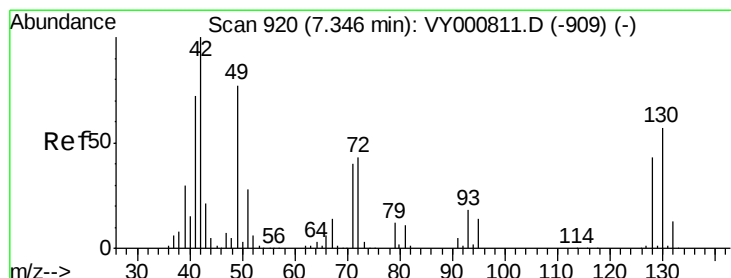
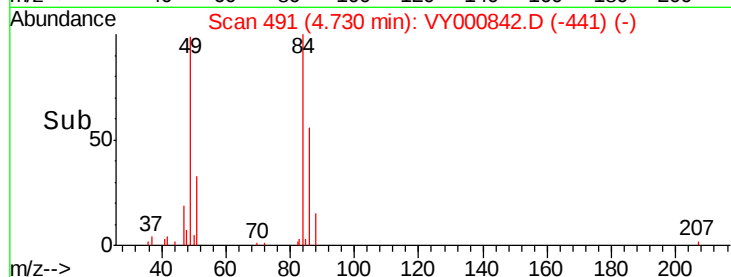
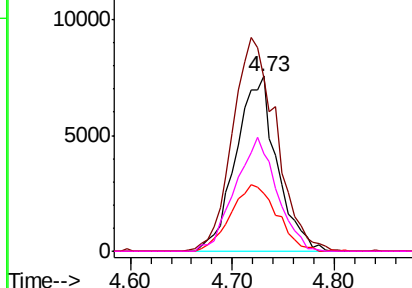
#20
Methvlene Chloride
Concen: 6.607 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 21058
Ion Ratio Lower Upper
84 100
49 98.2 101.3 151.9#
51 32.9 30.6 45.8
86 55.7 51.3 76.9

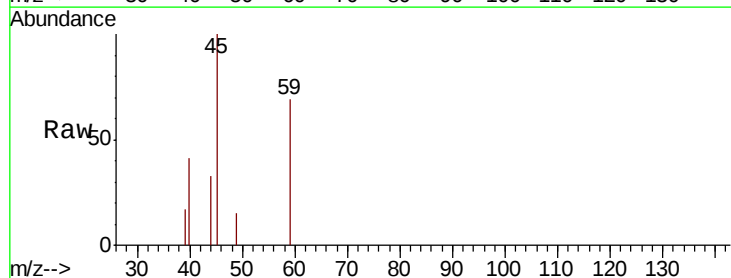


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

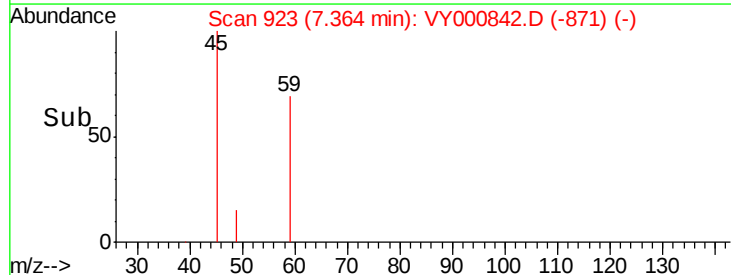
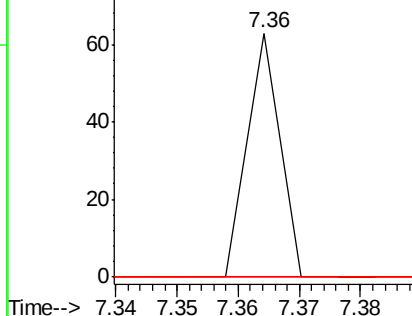


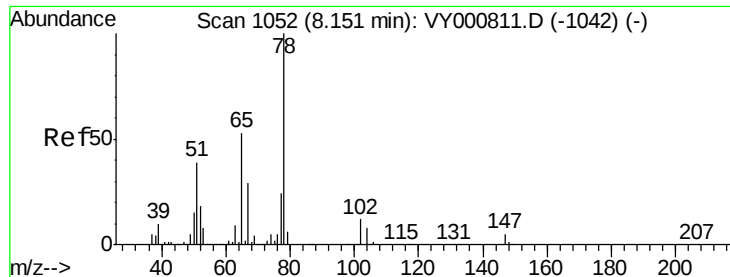
#28
Bromochloromethane
Concen: 2.027 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.02 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 49 Resp: 23
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 57.616 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000842.D

Acq: 03 Dec 2019 16:41

Instrument :

MSVOA_Y

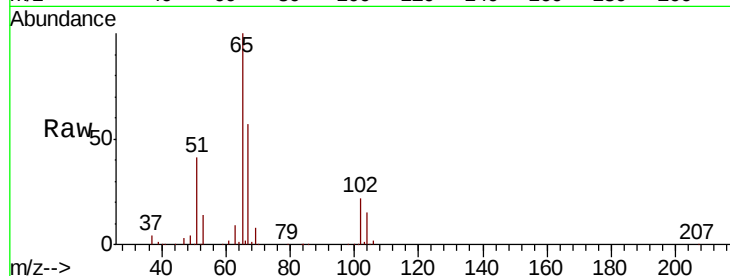
ClientSampleId :

Tot Ion: 65 Resp: 151858

Ion Ratio Lower Upper

65 100

67 55.7 0.0 112.0



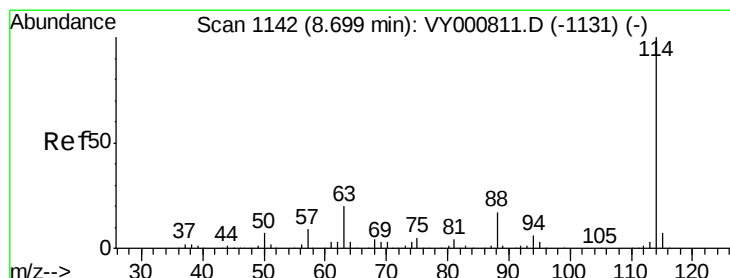
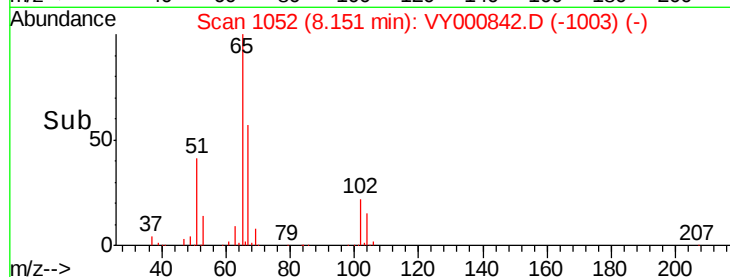
Abundance Ion 64.90 (64.60 to 65.60): VY000811.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY000811.D (-1042) (-)

8.15

8.10 8.20 8.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000842.D

Acq: 03 Dec 2019 16:41

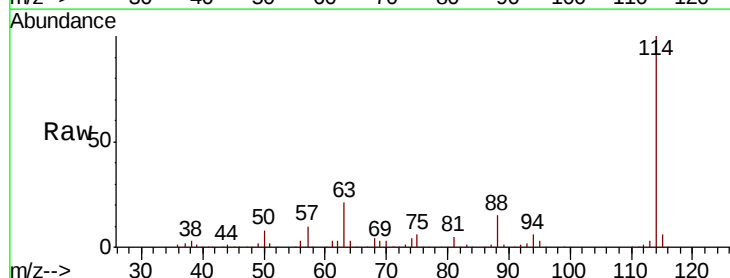
Tgt Ion: 114 Resp: 469337

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.8

88 15.1 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VY000811.D (-1131) (-)

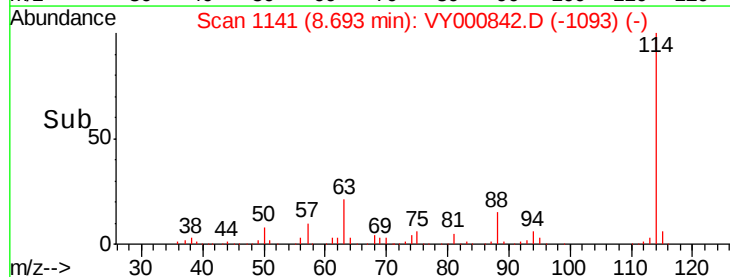
Ion 63.00 (62.70 to 63.70): VY000811.D (-1131) (-)

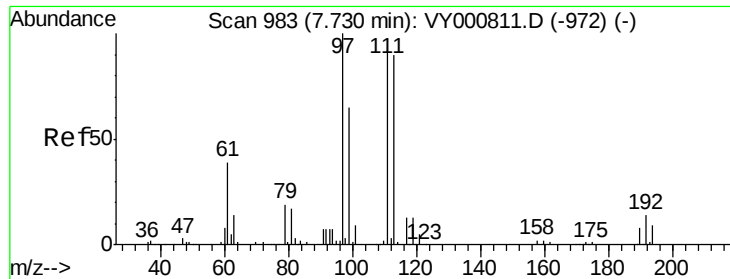
Ion 87.90 (87.60 to 88.60): VY000811.D (-1131) (-)

8.69

8.60 8.70 8.80

Time-->

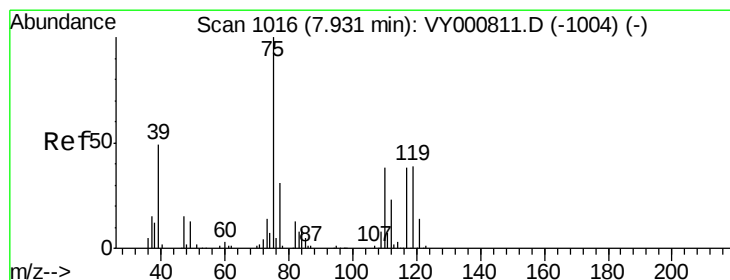
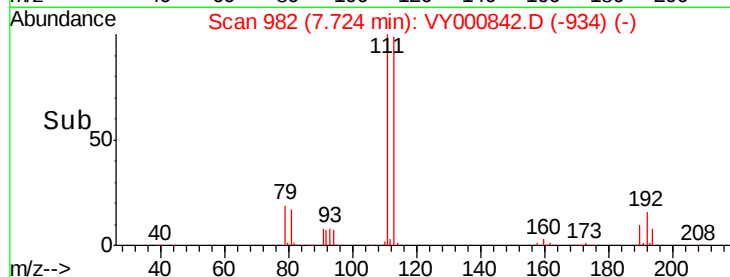
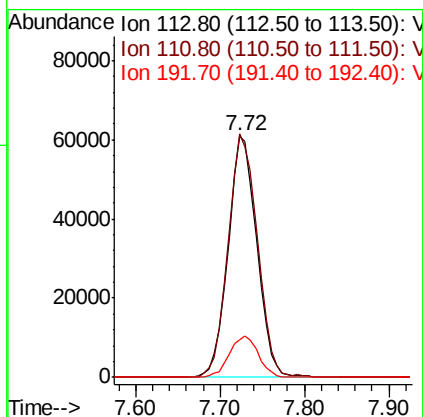
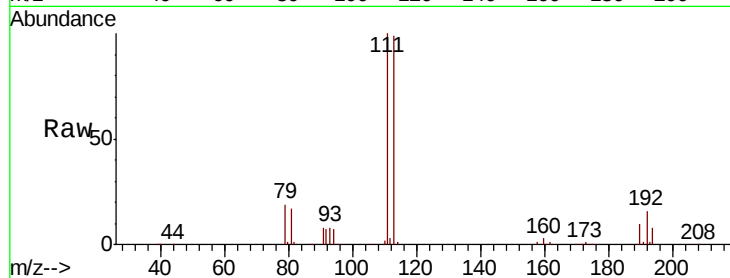




#35
Dibromofluoromethane
Concen: 51.409 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

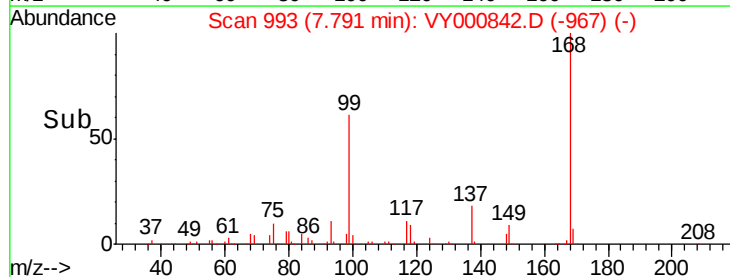
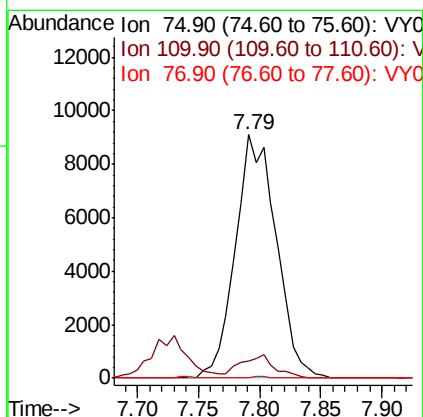
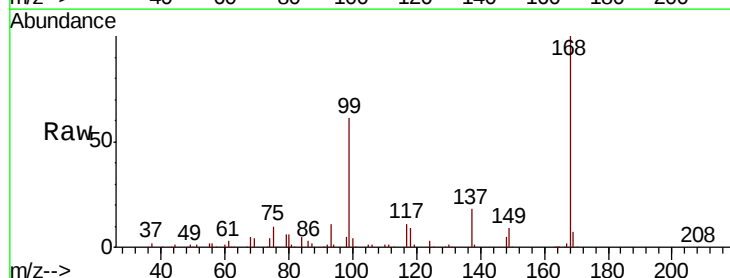
Instrument :
MSVOA_Y
ClientSampleId :

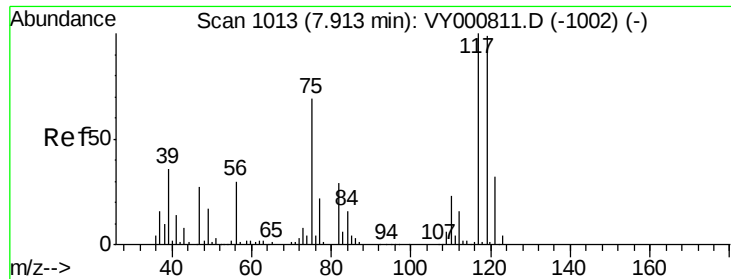
Tot Ion:113 Resp: 140620
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 17.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.522 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.14 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 75 Resp: 21101
Ion Ratio Lower Upper
75 100
110 8.1 17.9 53.7#
77 0.3 24.7 37.1#

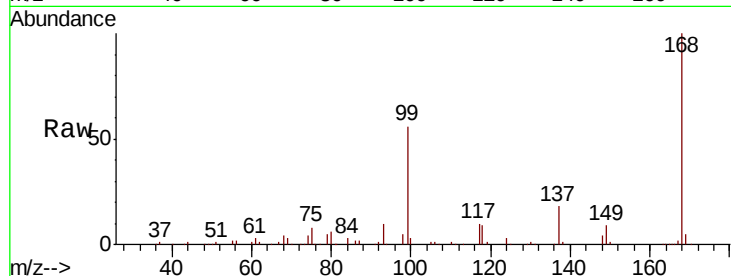




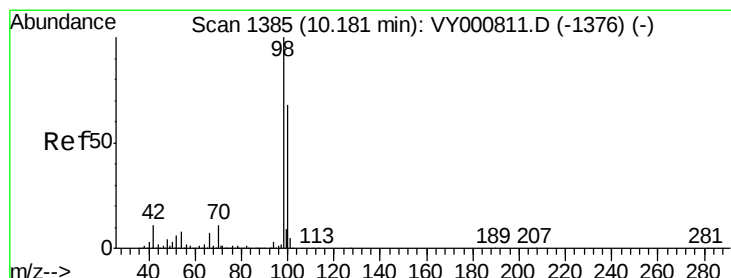
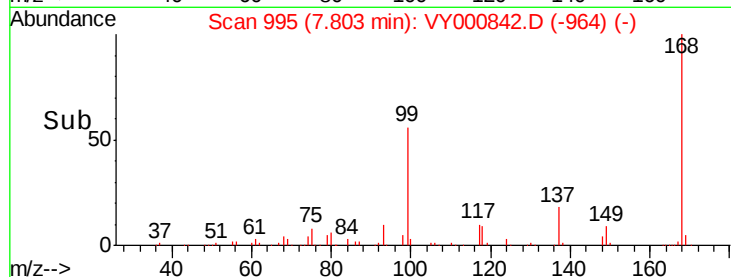
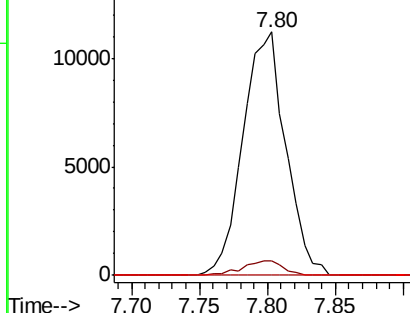
#38
Carbon Tetrachloride
Concen: 5.930 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 24646
Ion Ratio Lower Upper
117 100
119 5.8 79.3 118.9#
121 0.0 25.5 38.3#

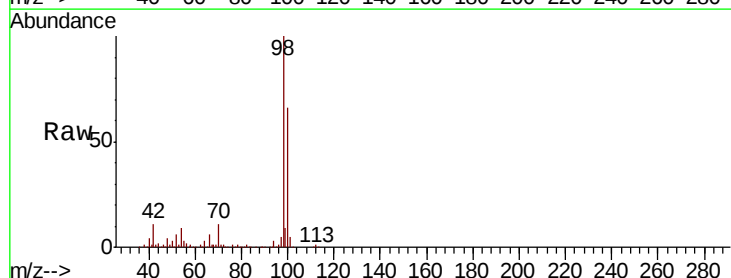


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

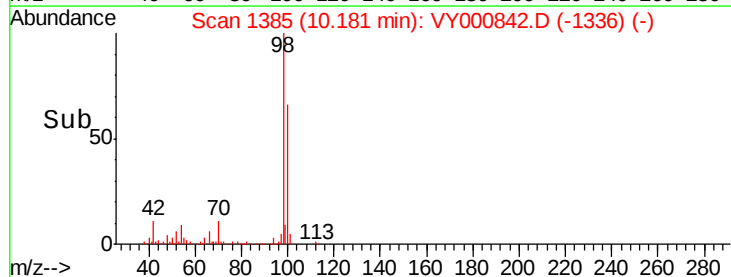
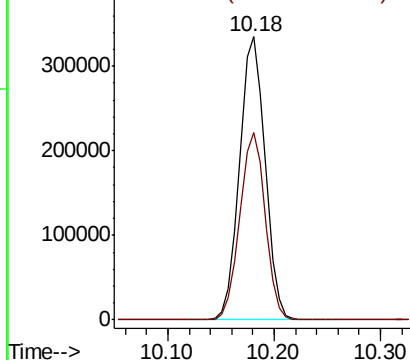


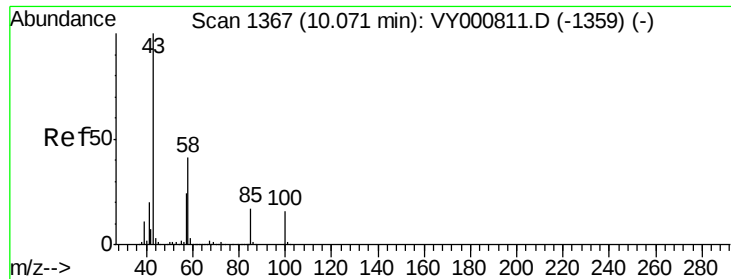
#50
Toluene-d8
Concen: 51.798 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 98 Resp: 566441
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7



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: 1.693 ug/l

RT: 9.97 min Scan# 1350

Delta R.T. -0.10 min

Lab File: VY000842.D

Acq: 03 Dec 2019 16:41

Instrument :

MSVOA_Y

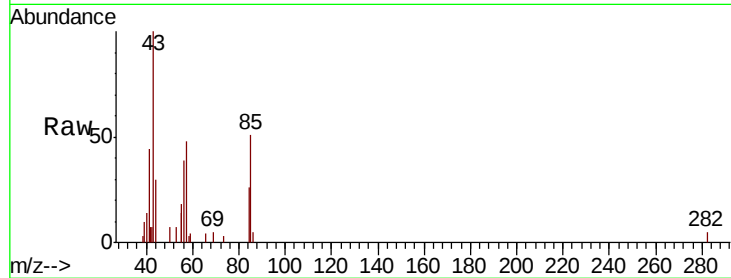
ClientSampled :

Tot Ion: 43 Resp: 4441

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-1359) (-)

9.97

1500

1000

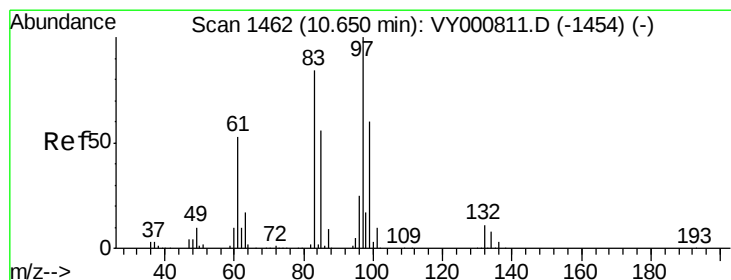
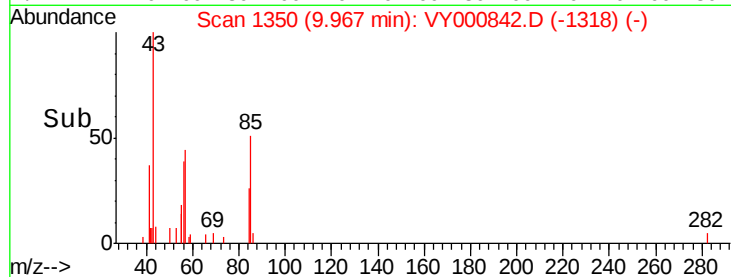
500

0

9.90

10.00

Time-->



#55

1,1,2-Trichloroethane

Concen: 4.335 ug/l

RT: 10.62 min Scan# 1457

Delta R.T. -0.03 min

Lab File: VY000842.D

Acq: 03 Dec 2019 16:41

Tgt Ion: 97 Resp: 11425

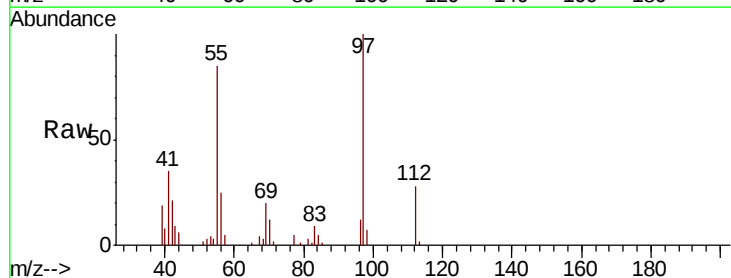
Ion Ratio Lower Upper

97 100

83 9.0 67.5 101.3#

85 1.2 44.5 66.7#

99 0.0 47.7 71.5#



Abundance Ion 96.90 (96.60 to 97.60): VY000811.D (-1454) (-)

Ion 82.90 (82.60 to 83.60): VY000811.D (-1454) (-)

Ion 84.90 (84.60 to 85.60): VY000811.D (-1454) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-1454) (-)

10000

8000

6000

4000

2000

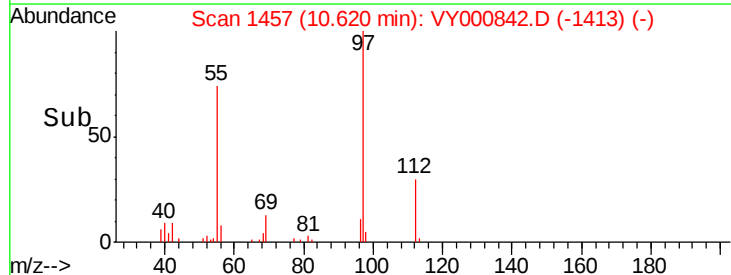
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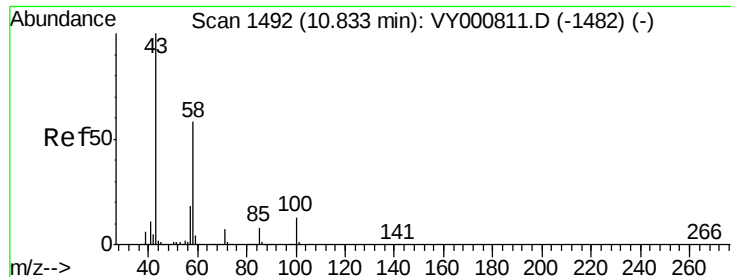
10.55

10.60

10.65

Time-->

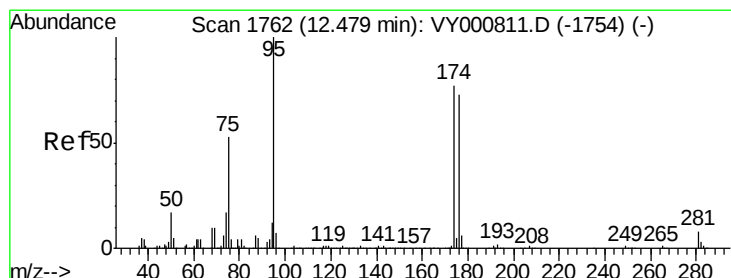
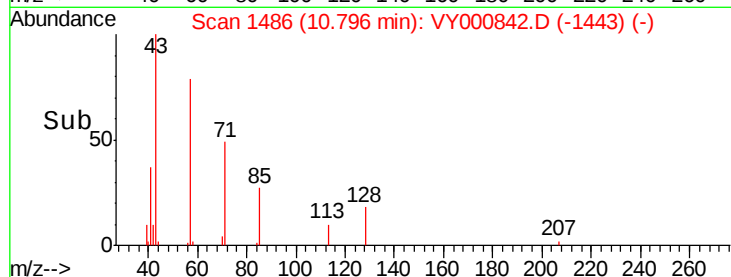
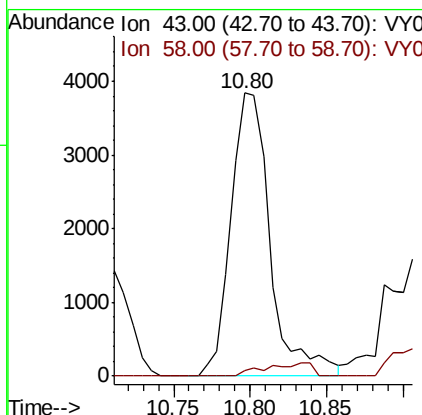
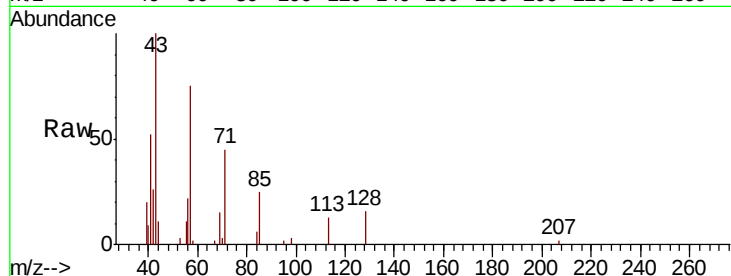




#59
2-Hexanone
Concen: 3.571 ug/l
RT: 10.80 min Scan# 1486
Delta R.T. -0.04 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

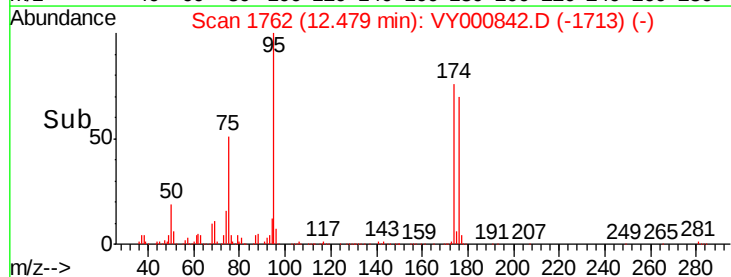
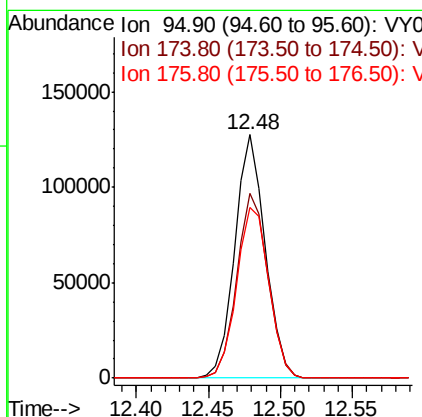
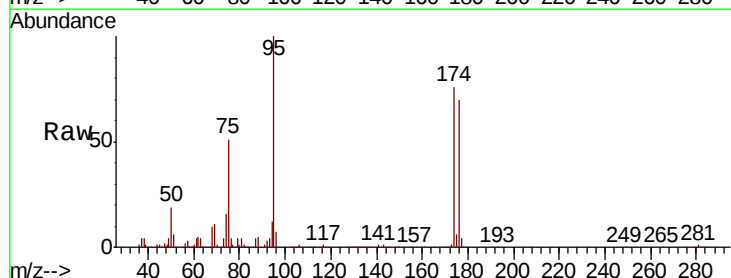
Instrument :
MSVOA_Y
ClientSampled :

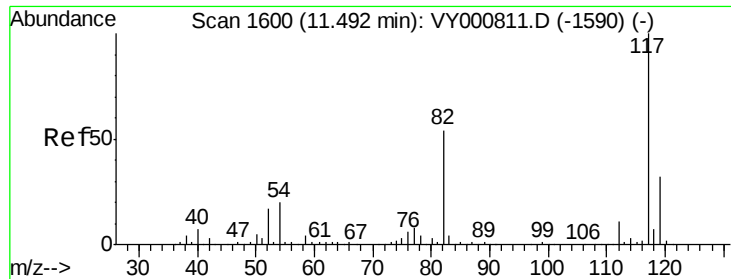
Tot Ion: 43 Resp: 6826
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 45.548 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 95 Resp: 187060
Ion Ratio Lower Upper
95 100
174 77.4 0.0 150.6
176 74.6 0.0 145.2

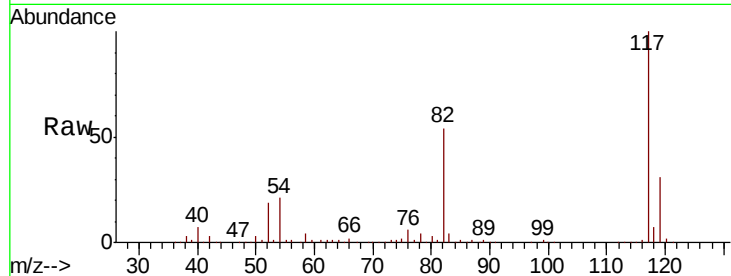




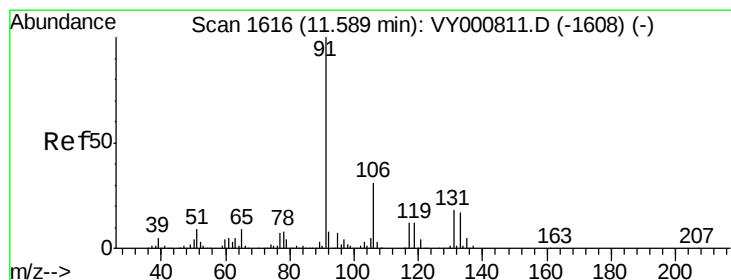
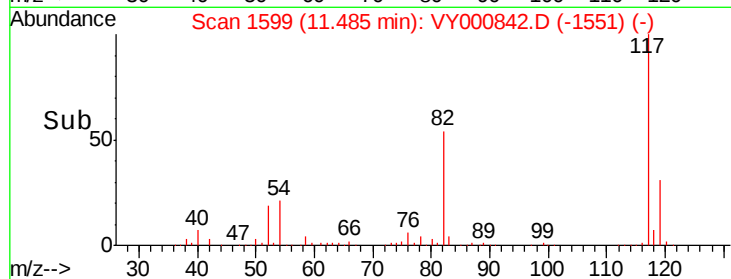
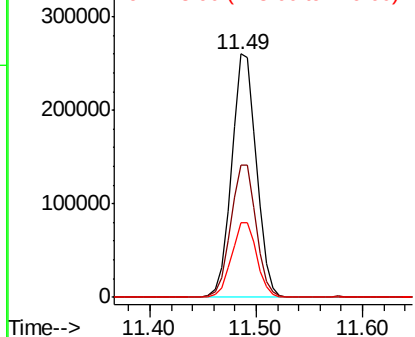
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 424456
Ion Ratio Lower Upper
117 100
82 54.0 43.1 64.7
119 30.8 25.3 37.9

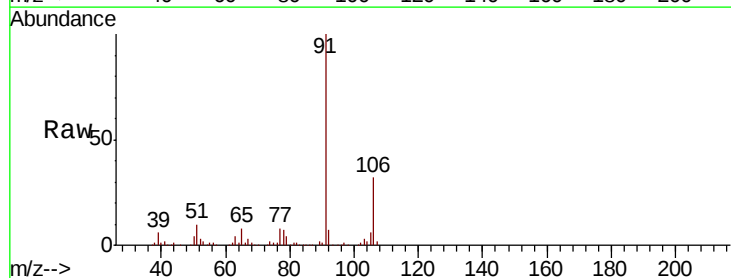


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

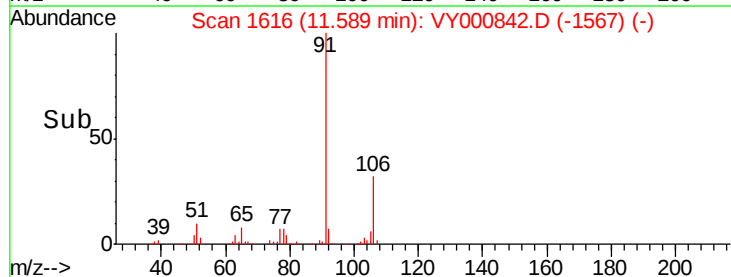
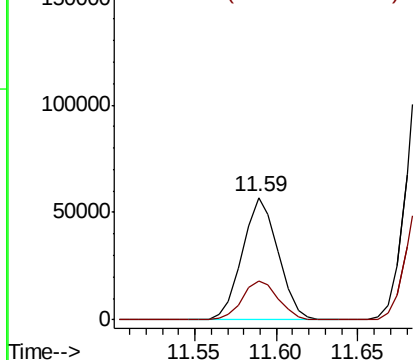


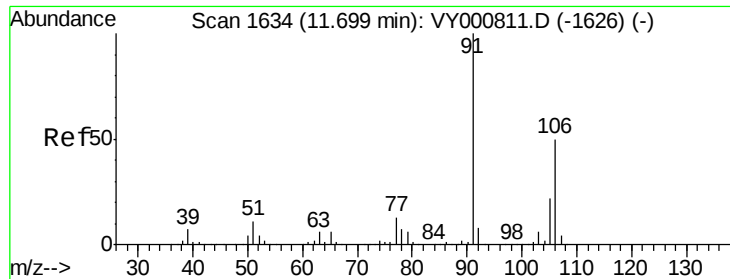
#67
Ethyl Benzene
Concen: 5.282 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 91 Resp: 86789
Ion Ratio Lower Upper
91 100
106 32.0 24.4 36.6



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

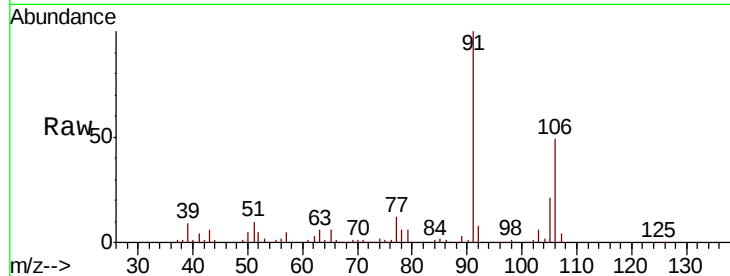




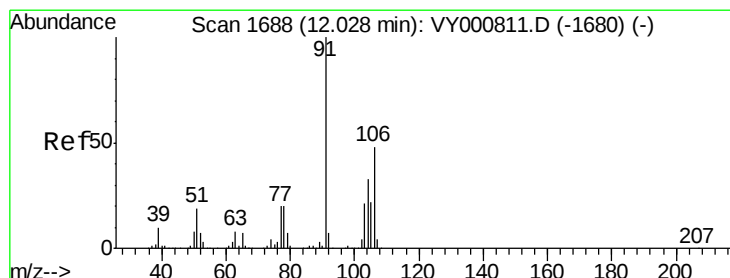
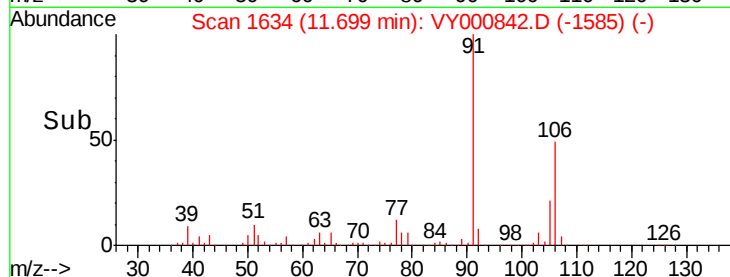
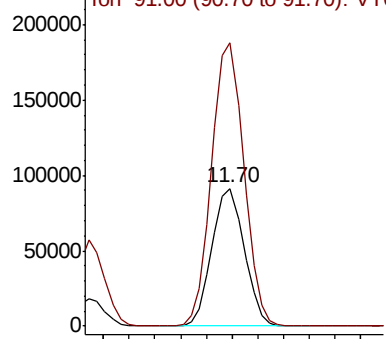
#68
m/p-Xvlenes
Concen: 25.863 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 159510
Ion Ratio Lower Upper
106 100
91 204.9 159.6 239.4

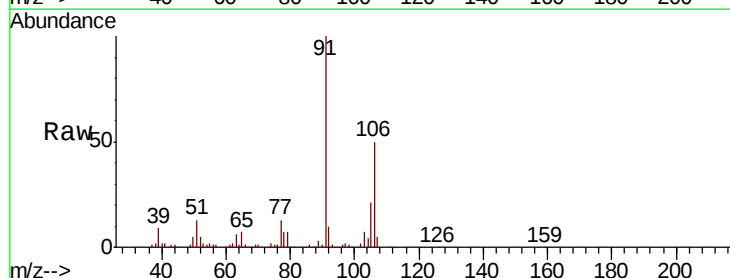


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

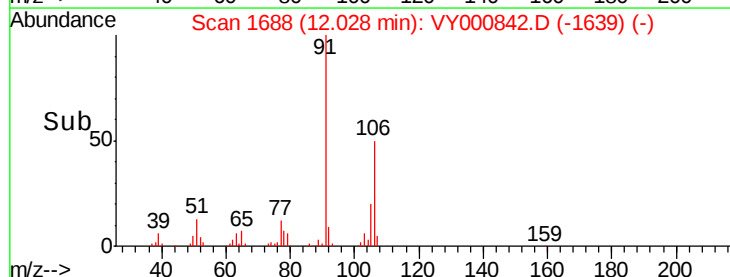
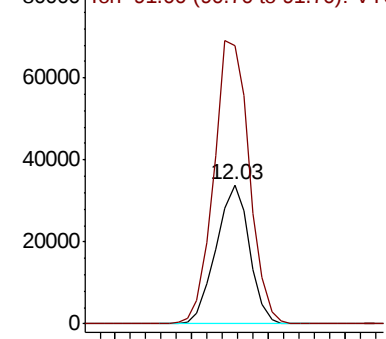


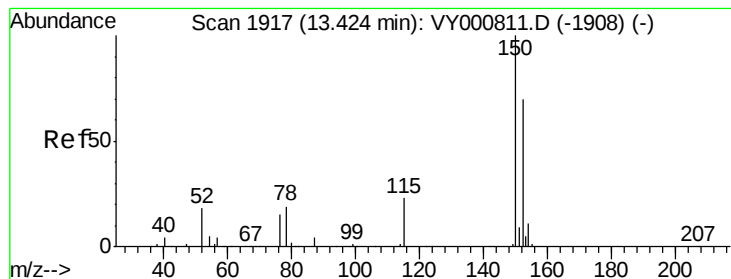
#69
o-Xylene
Concen: 8.939 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion:106 Resp: 51406
Ion Ratio Lower Upper
106 100
91 215.9 106.1 318.1



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



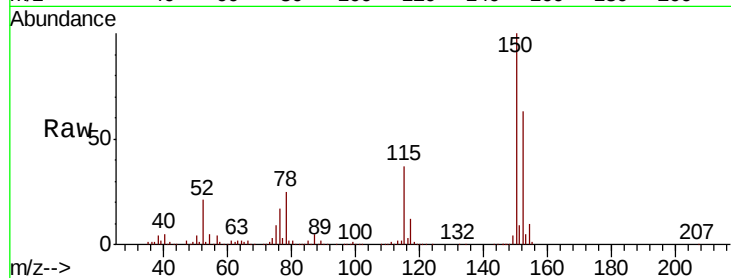


#72

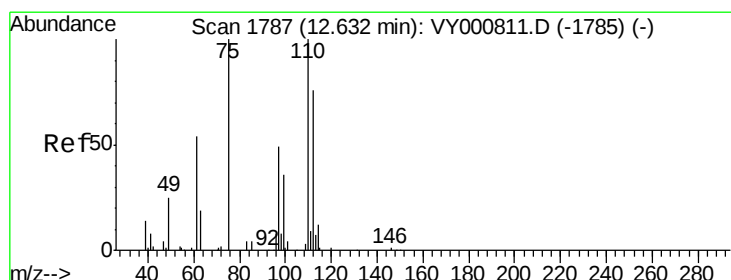
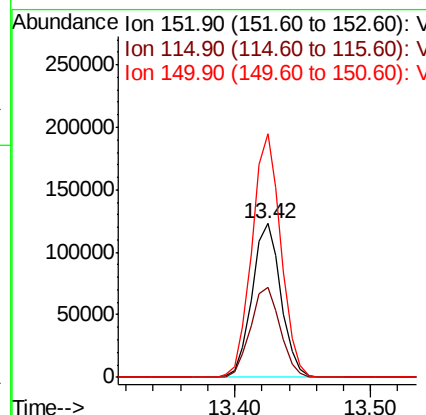
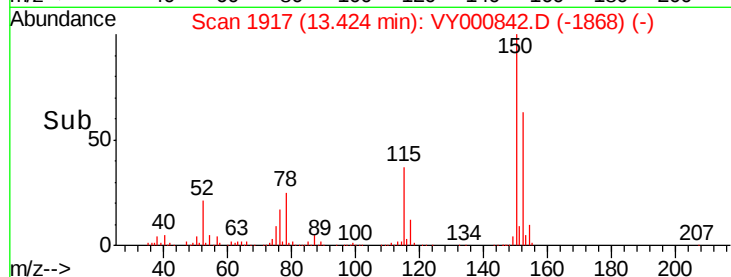
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.3	87.8
150	158.4	0.0	351.2



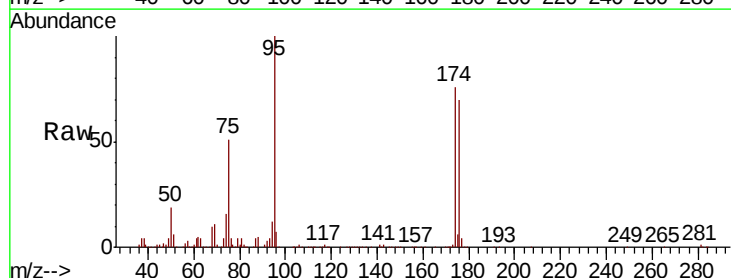
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



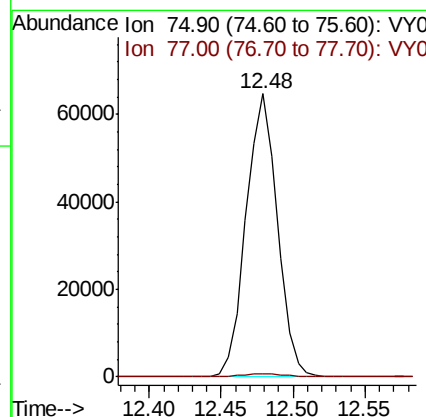
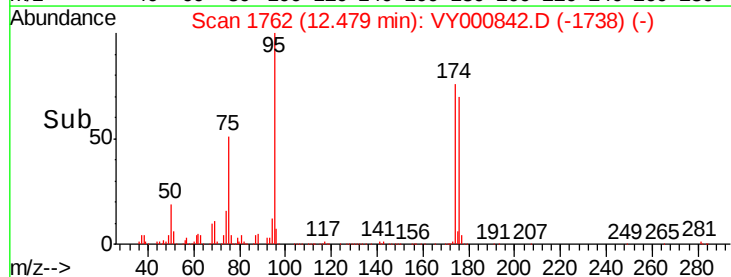
#76

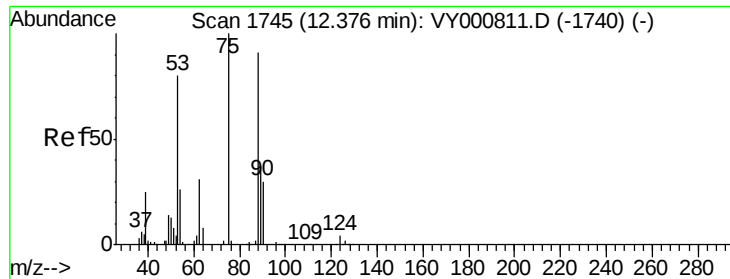
1,2,3-Trichloropropane
Concen: 46.848 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt 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: 92.023 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000842.D

Acq: 03 Dec 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

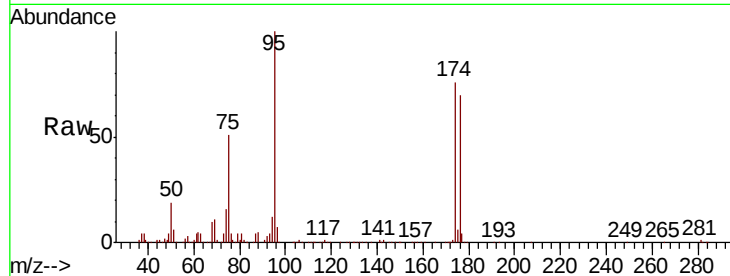
Tot Ion: 75 Resp: 97248

Ion Ratio Lower Upper

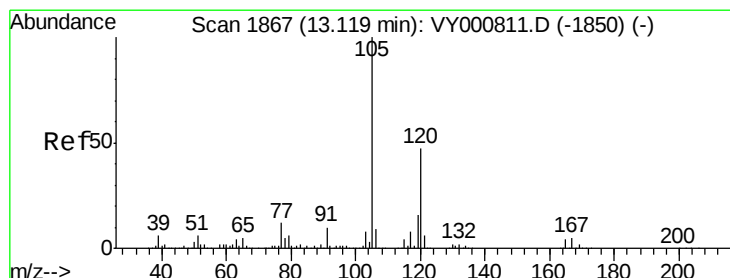
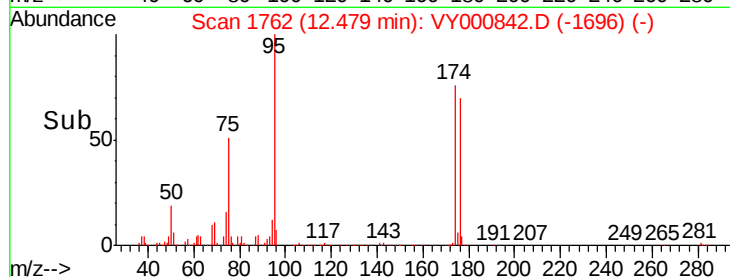
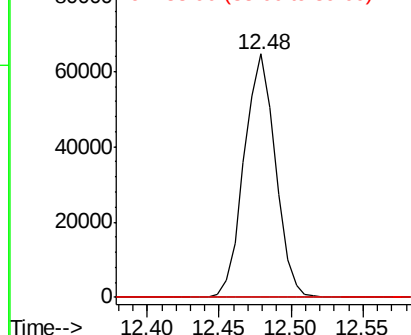
75 100

53 0.0 64.6 96.8#

89 0.1 33.6 50.4#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.962 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000842.D

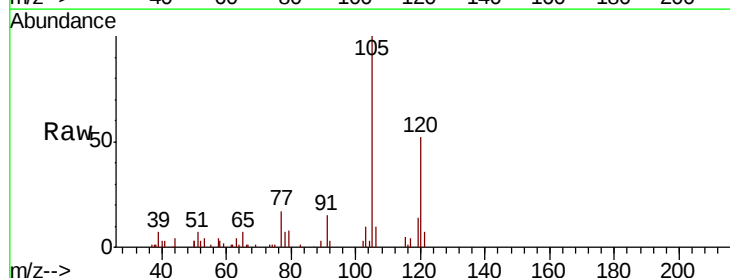
Acq: 03 Dec 2019 16:41

Tgt Ion: 105 Resp: 23710

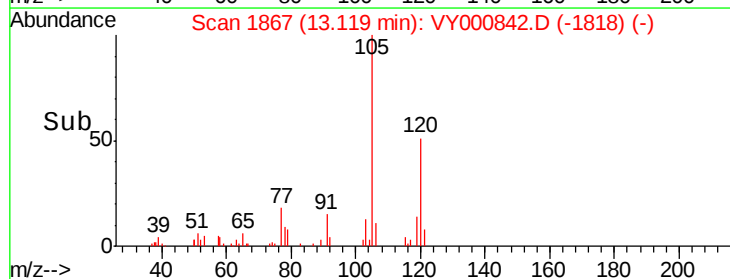
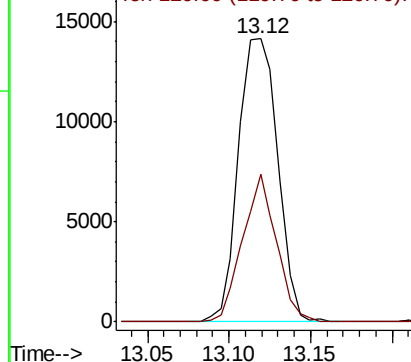
Ion Ratio Lower Upper

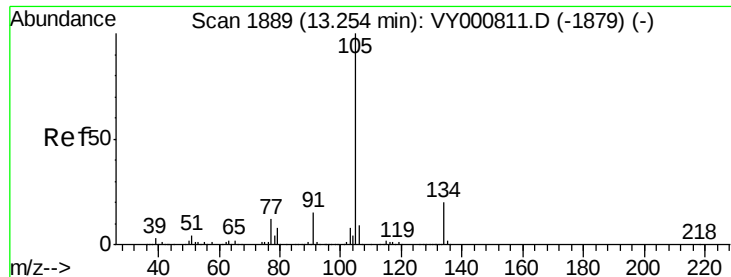
105 100

120 45.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.605 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.13 min

Lab File: VY000842.D

Acq: 03 Dec 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:105 Resp: 23710

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#

