

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001072.D
 Acq On : 26 Dec 2019 15:15
 Operator : SY/MD
 Sample : K6431-08
 Misc : 7.66G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)

Quant Time: Dec 27 02:10:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	82852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	136855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	99760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	38206	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	28148	34.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.90%	
35) Dibromofluoromethane	7.73	113	34341	42.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.22%	
50) Toluene-d8	10.18	98	153969	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.48	95	36193	31.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.86%	

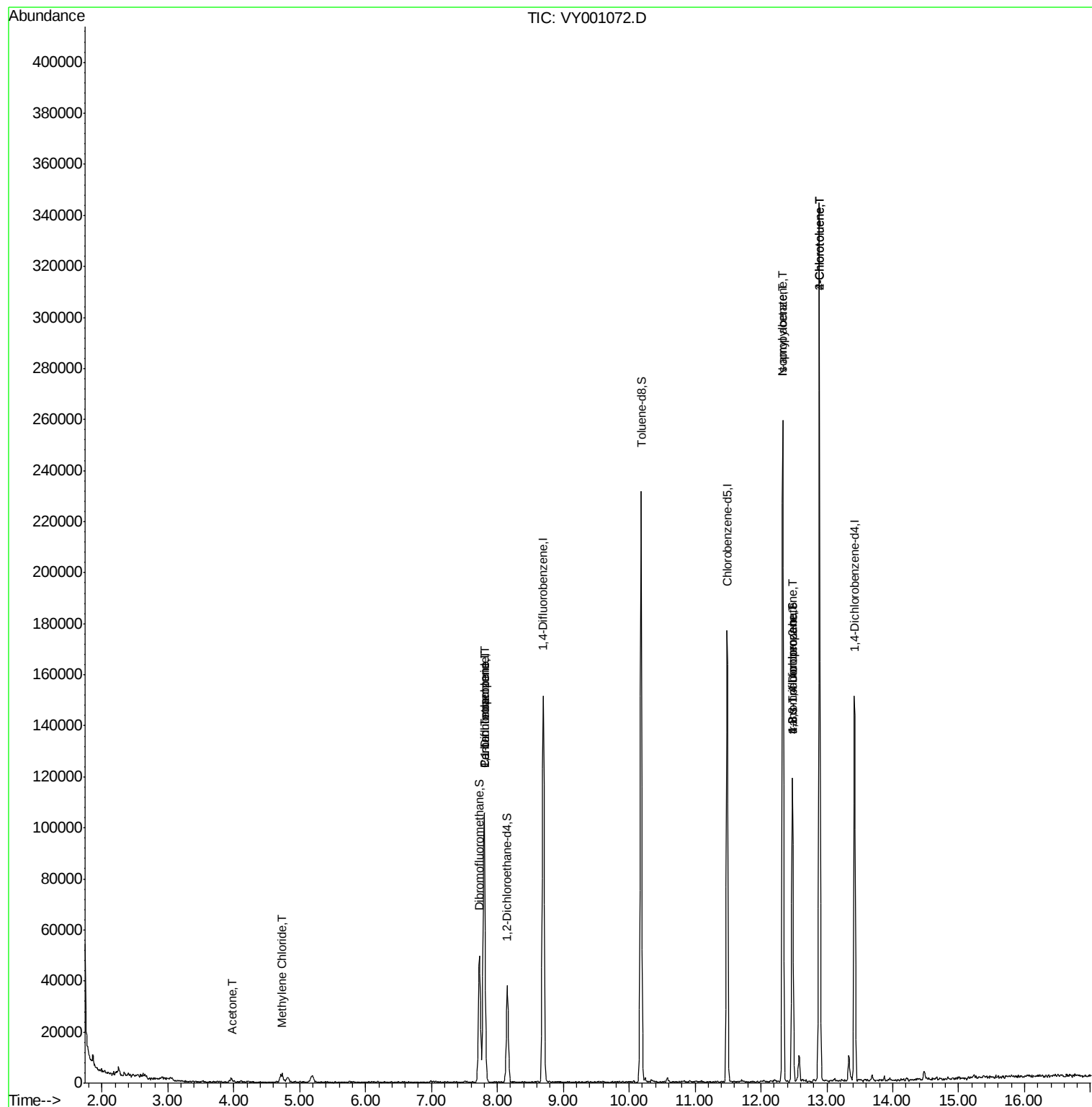
Target Compounds						Qvalue
16) Acetone	3.97	43	2119	11.256	ug/l	99
20) Methylene Chloride	4.73	84	2792	2.520	ug/l #	82
36) 1,1-Dichloropropene	7.80	75	6557	5.022	ug/l #	52
38) Carbon Tetrachloride	7.80	117	7463	6.524	ug/l #	23
73) Isopropylbenzene	12.33	105	10236	3.462	ug/l #	62
74) N-amyl acetate	12.33	43	4979	6.410	ug/l #	13
76) 1,2,3-Trichloropropane	12.48	75	18514	39.308	ug/l #	100
79) 2-Chlorotoluene	12.89	91	35908	18.049	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.48	75	18514	83.834	ug/l #	19
82) 4-Chlorotoluene	12.89	91	35908	17.377	ug/l #	40

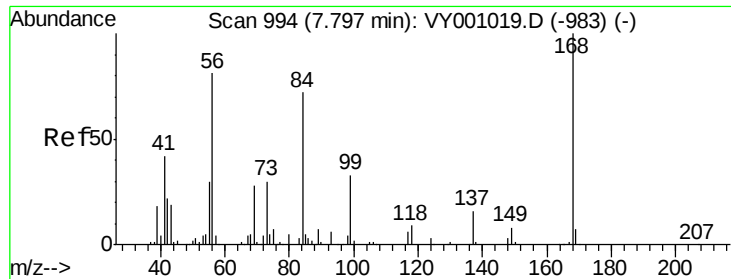
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
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QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001072.D

Acq: 26 Dec 2019 15:15

Instrument :

MSVOA_Y

ClientSampleId :

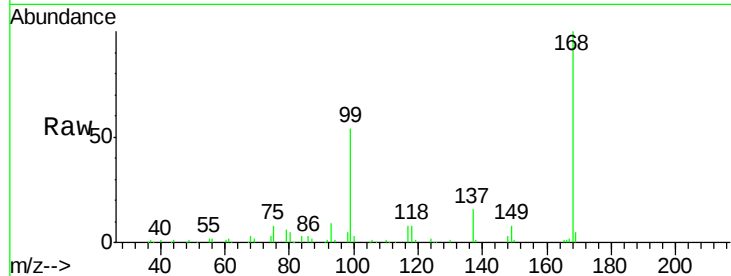
SB-2-(4-5)

Tgt Ion:168 Resp: 82852

Ion Ratio Lower Upper

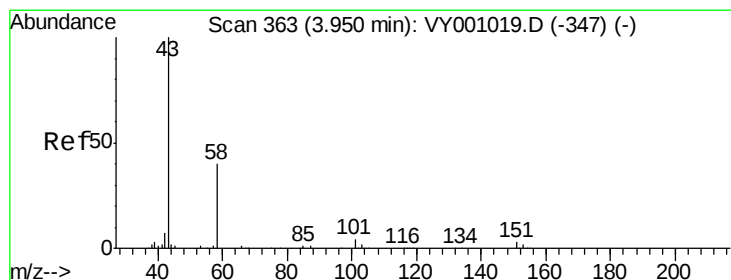
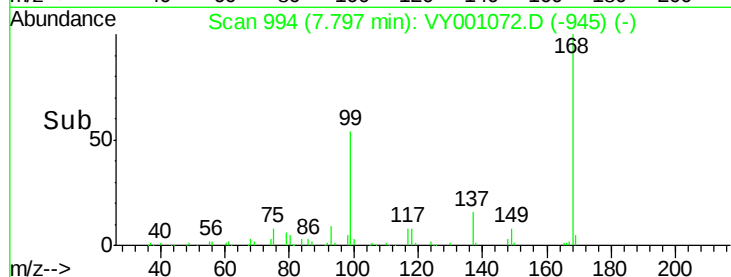
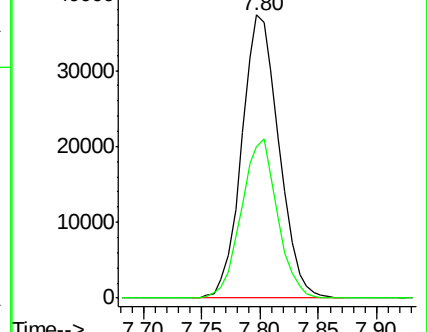
168 100

99 53.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)



#16

Acetone

Concen: 11.256 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001072.D

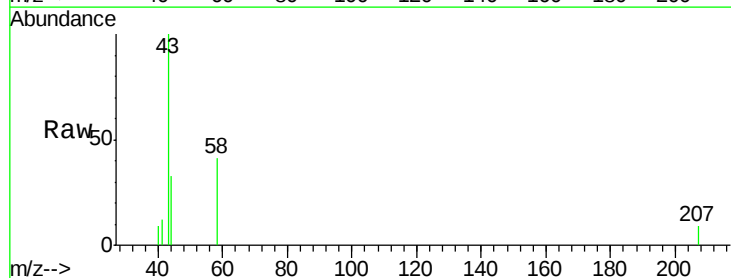
Acq: 26 Dec 2019 15:15

Tgt Ion: 43 Resp: 2119

Ion Ratio Lower Upper

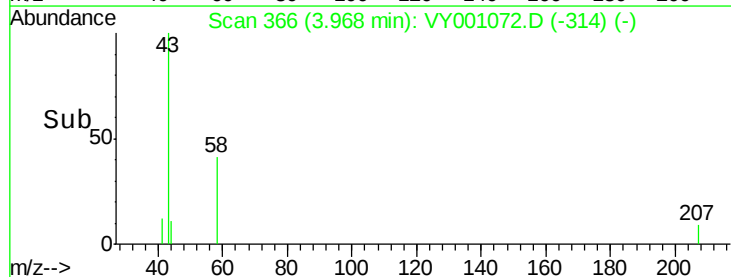
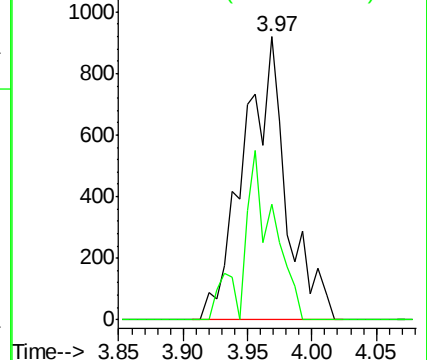
43 100

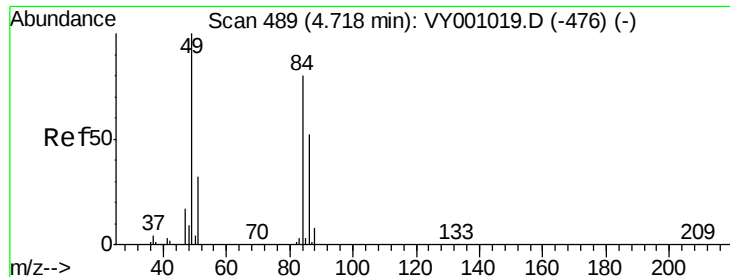
58 40.7 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)

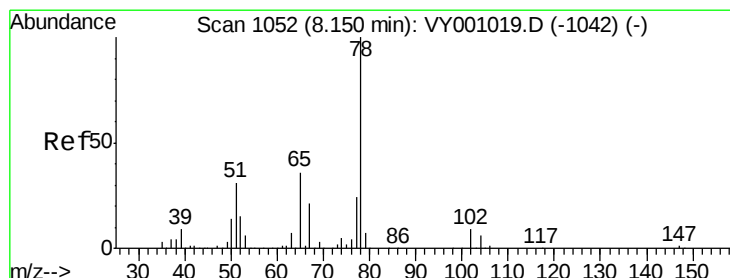
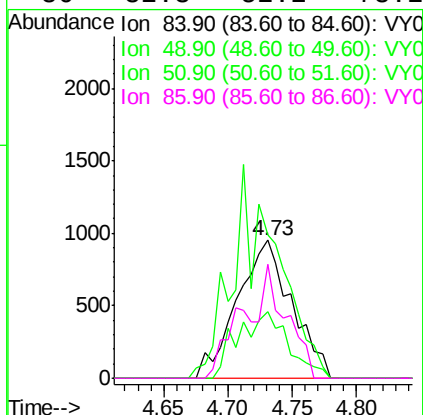
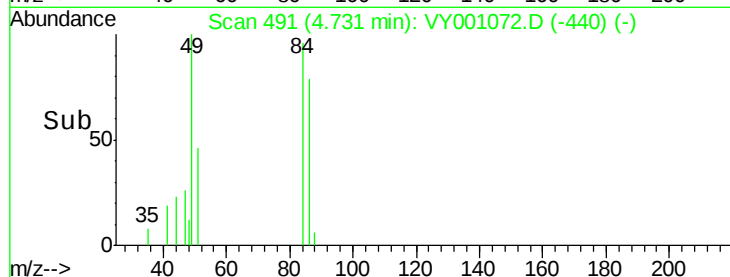
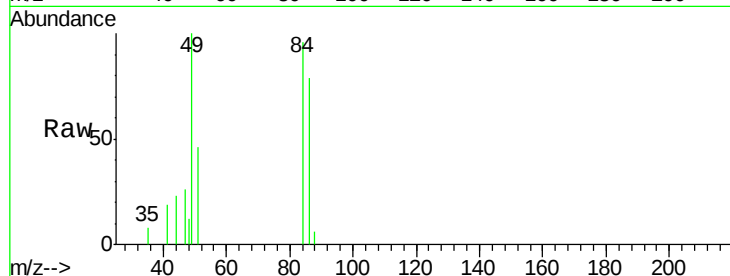




#20
Methylene Chloride
Concen: 2.520 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001072.D
Acq: 26 Dec 2019 15:15

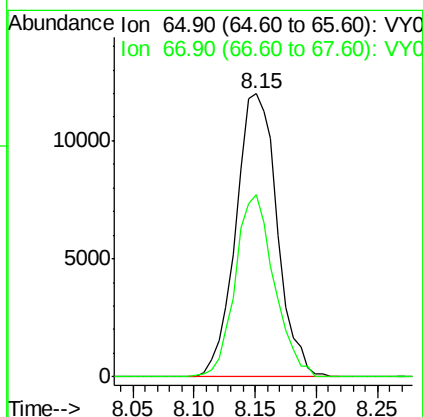
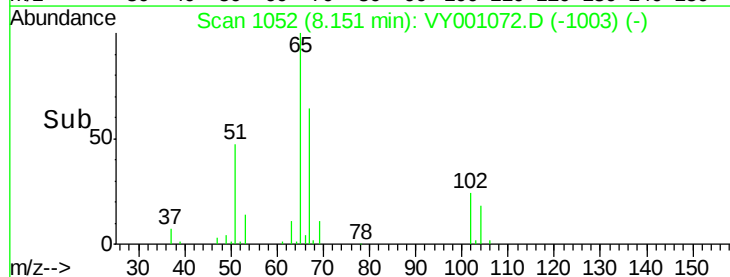
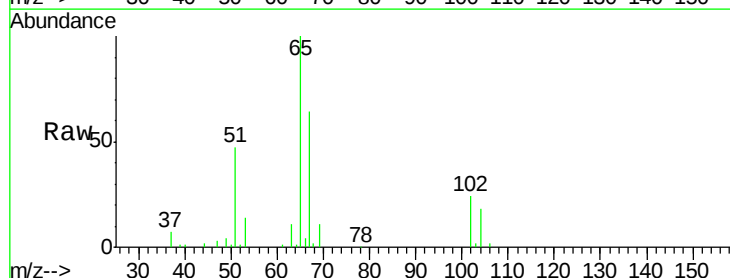
Instrument :
MSVOA_Y
ClientSampled :
SB-2-(4-5)

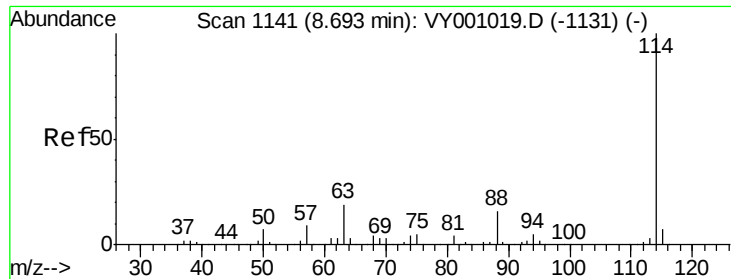
Tgt Ion: 84 Resp: 2792
Ion Ratio Lower Upper
84 100
49 104.2 99.8 149.6
51 48.1 31.4 47.2#
86 82.3 52.2 78.2#



#33
1,2-Dichloroethane-d4
Concen: 34.447 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY001072.D
Acq: 26 Dec 2019 15:15

Tgt Ion: 65 Resp: 28148
Ion Ratio Lower Upper
65 100
67 60.4 0.0 112.8

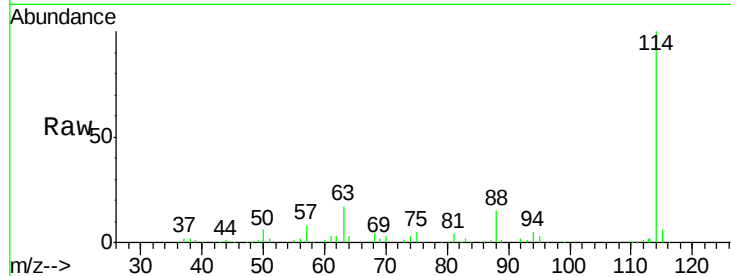




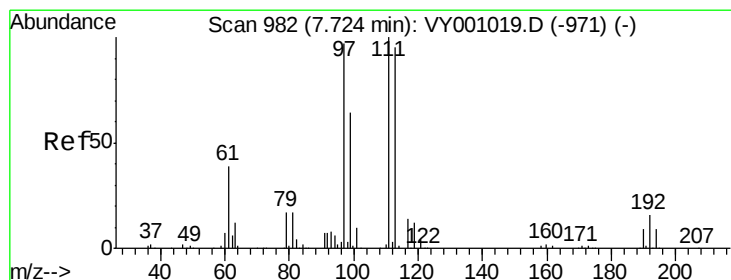
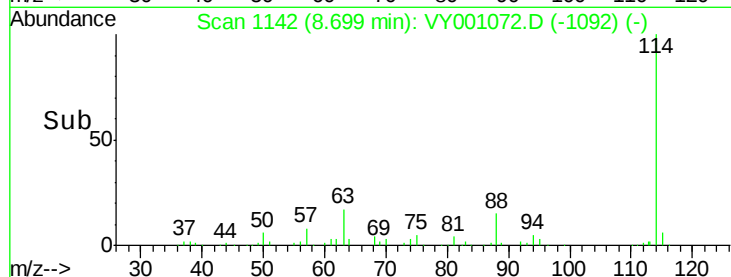
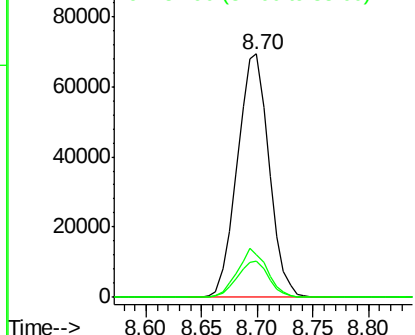
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001072.D
 Acq: 26 Dec 2019 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)

Tgt Ion:114 Resp: 136855
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 37.0
 88 14.8 0.0 32.0

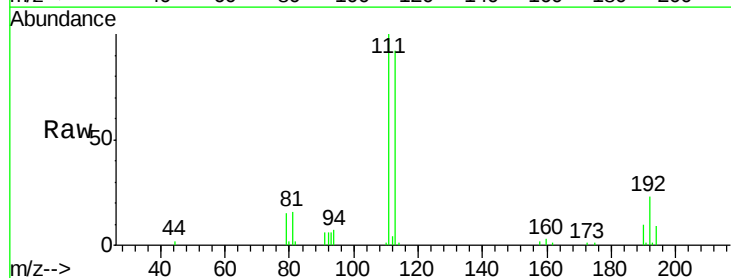


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

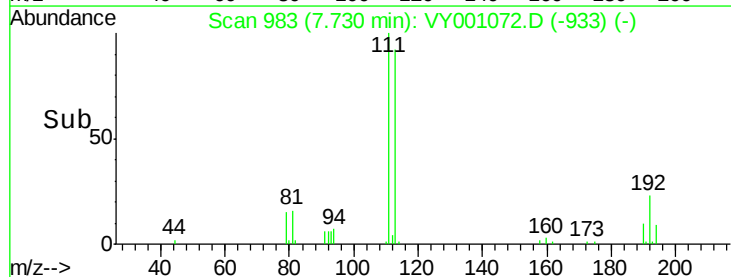
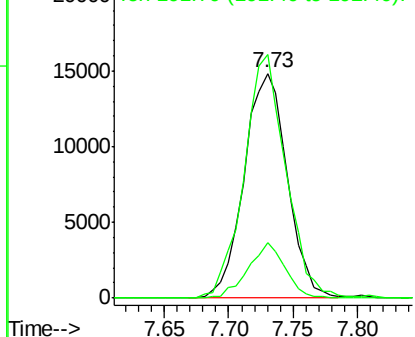


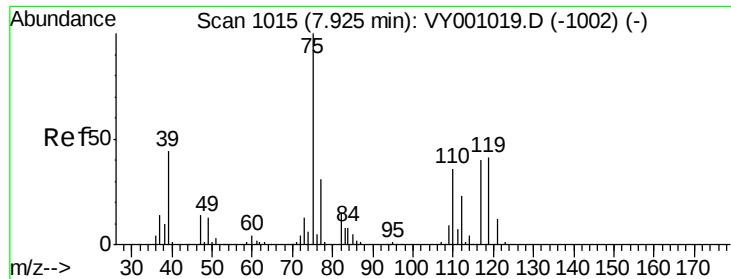
#35
 Dibromofluoromethane
 Concen: 42.613 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001072.D
 Acq: 26 Dec 2019 15:15

Tgt Ion:113 Resp: 34341
 Ion Ratio Lower Upper
 113 100
 111 105.4 83.0 124.4
 192 21.1 14.6 21.8



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

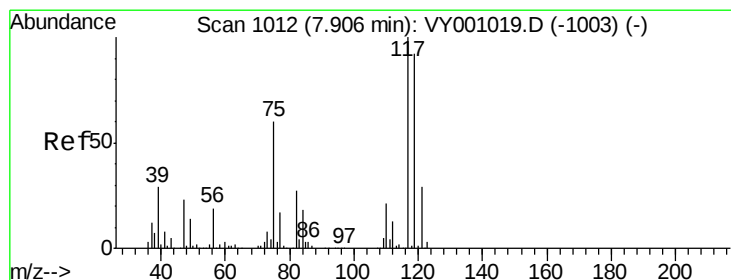
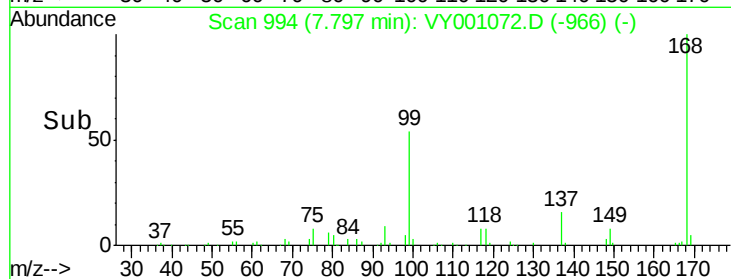
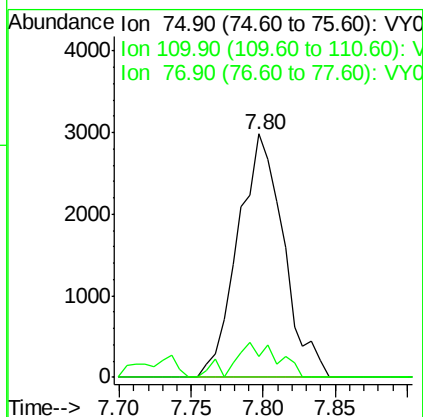
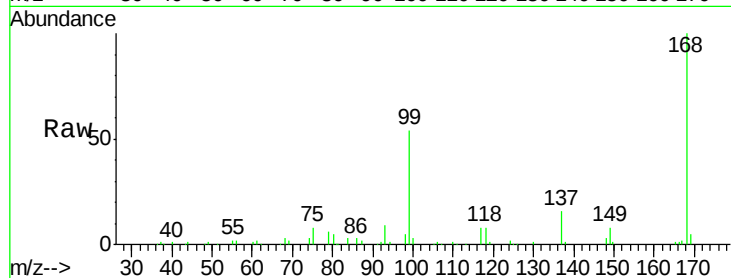




#36
 1,1-Dichloropropene
 Concen: 5.022 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001072.D
 Acq: 26 Dec 2019 15:15

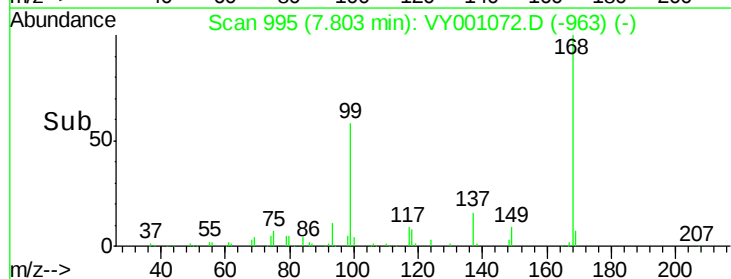
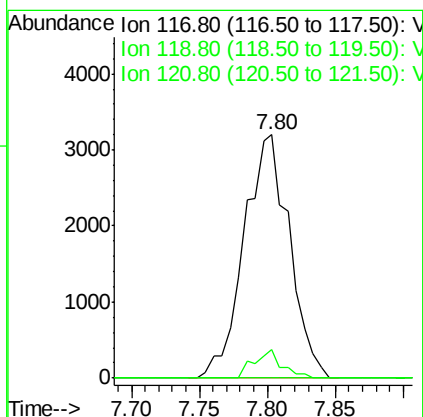
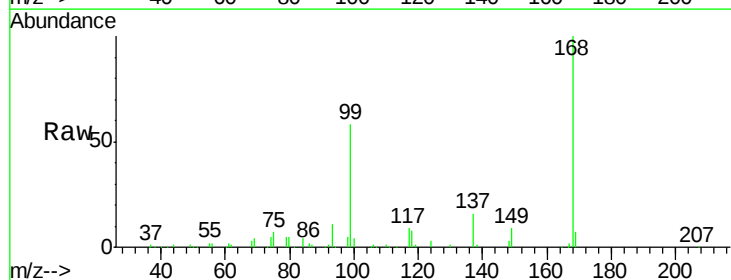
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)

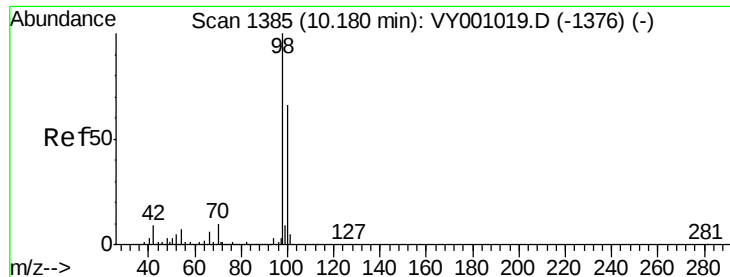
Tgt Ion: 75 Resp: 6557
 Ion Ratio Lower Upper
 75 100
 110 11.9 18.1 54.4#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.524 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY001072.D
 Acq: 26 Dec 2019 15:15

Tgt Ion: 117 Resp: 7463
 Ion Ratio Lower Upper
 117 100
 119 12.0 74.2 111.2#
 121 0.0 22.9 34.3#





#50

Toluene-d8

Concen: 48.889 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001072.D

Acq: 26 Dec 2019 15:15

Instrument :

MSVOA_Y

ClientSampleId :

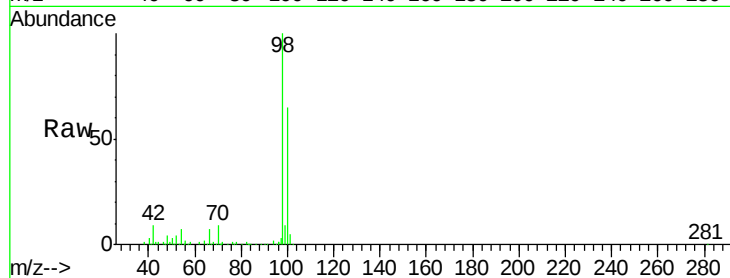
SB-2-(4-5)

Tgt Ion: 98 Resp: 153969

Ion Ratio Lower Upper

98 100

100 66.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

80000

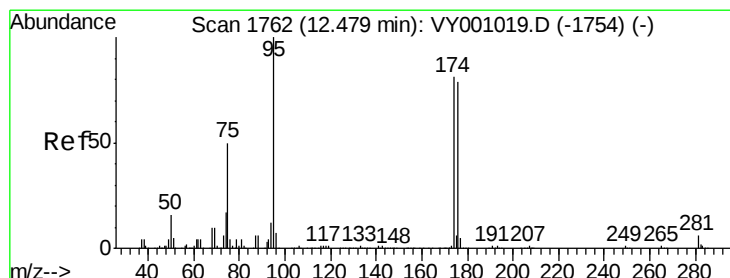
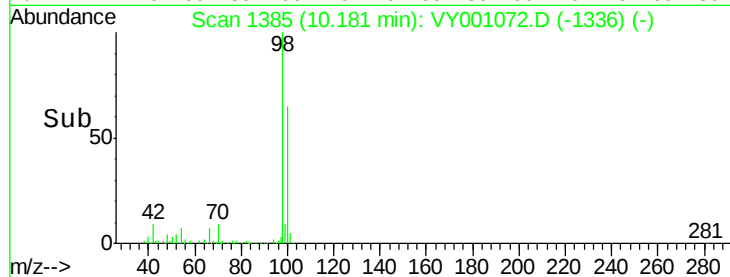
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 31.432 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001072.D

Acq: 26 Dec 2019 15:15

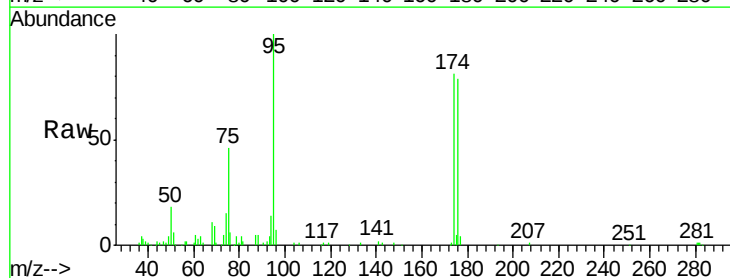
Tgt Ion: 95 Resp: 36193

Ion Ratio Lower Upper

95 100

174 84.2 0.0 156.4

176 79.8 0.0 155.0



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

30000

25000

20000

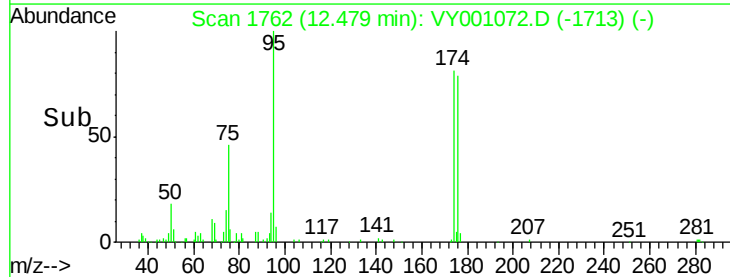
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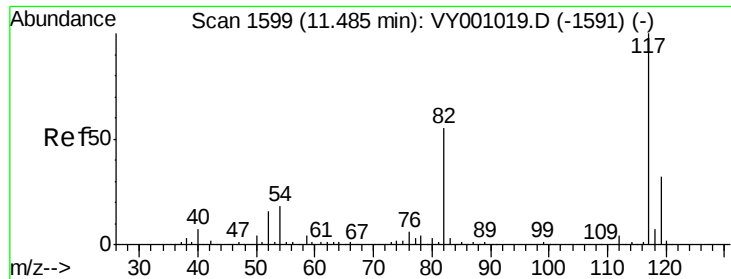
10000

5000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VY001072.D

Acq: 26 Dec 2019 15:15

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)

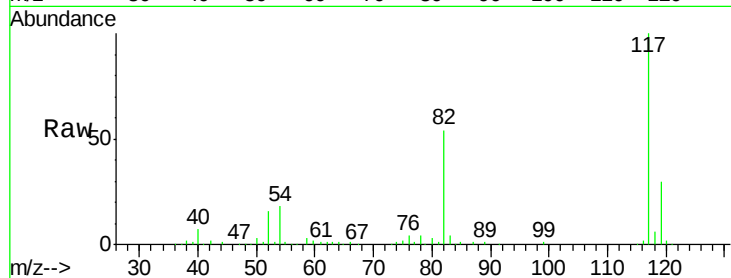
Tgt Ion:117 Resp: 99760

Ion Ratio Lower Upper

117 100

82 53.9 43.8 65.8

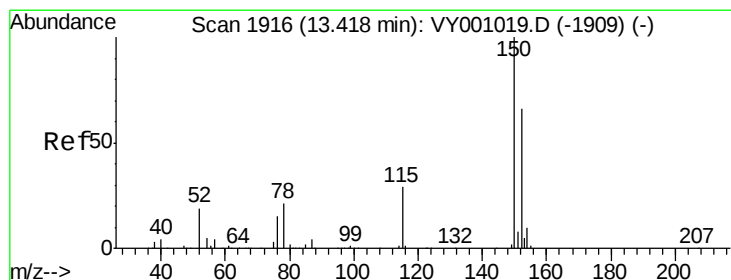
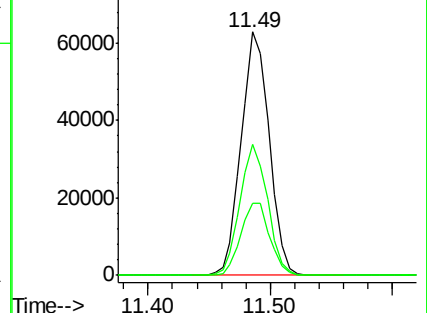
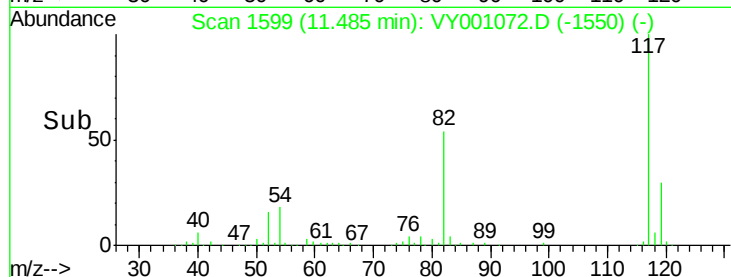
119 29.7 25.8 38.6



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# 1917

Delta R.T. 0.01 min

Lab File: VY001072.D

Acq: 26 Dec 2019 15:15

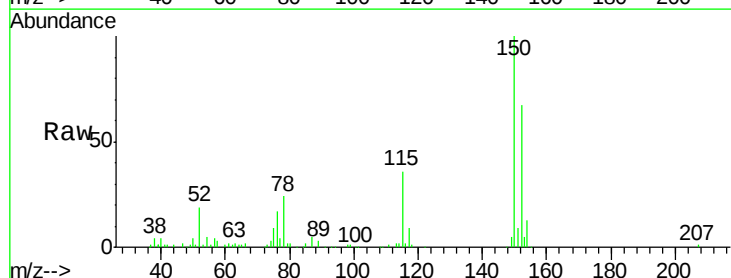
Tgt Ion:152 Resp: 38206

Ion Ratio Lower Upper

152 100

115 59.7 29.8 89.3

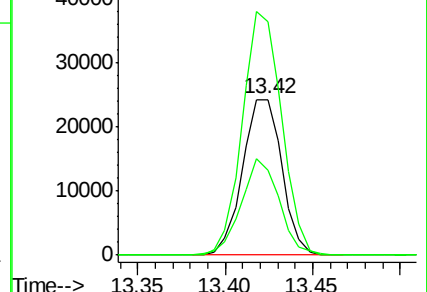
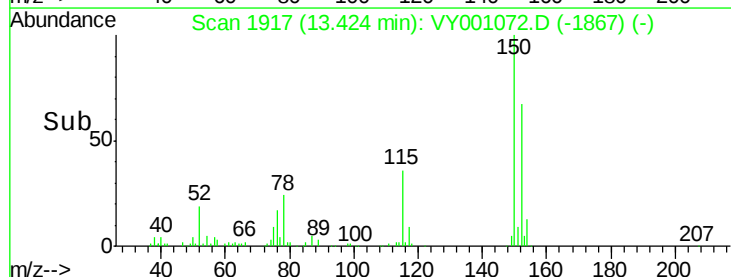
150 156.1 0.0 352.6

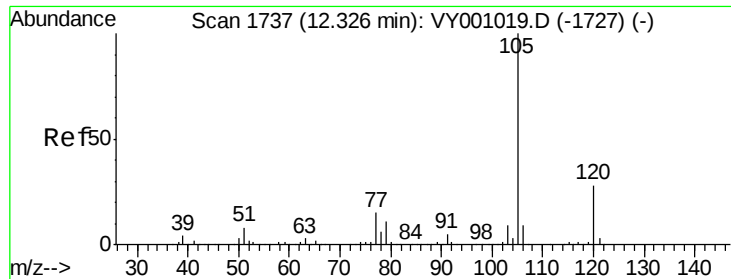


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.462 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY001072.D

Acq: 26 Dec 2019 15:15

Instrument :

MSVOA_Y

ClientSampleId :

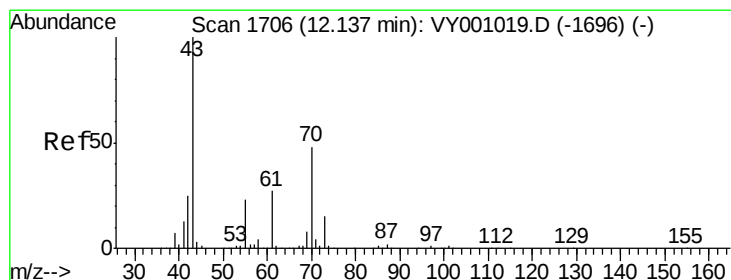
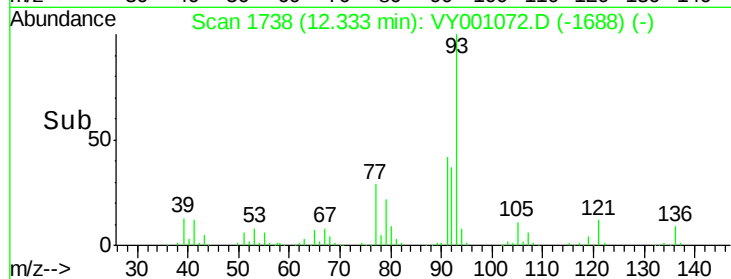
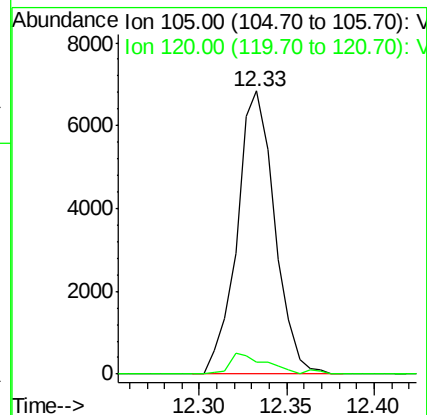
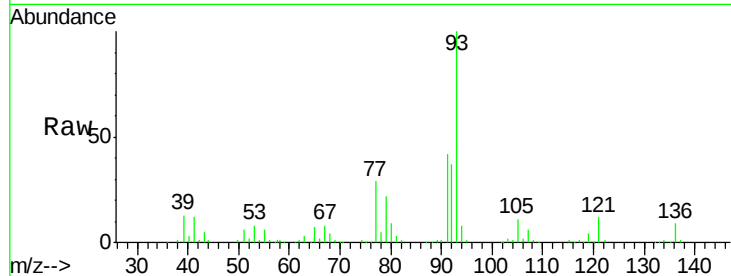
SB-2-(4-5)

Tgt Ion:105 Resp: 10236

Ion Ratio Lower Upper

105 100

120 7.1 13.4 40.2#



#74

N-ethyl acetate

Concen: 6.410 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.20 min

Lab File: VY001072.D

Acq: 26 Dec 2019 15:15

Tgt Ion: 43 Resp: 4979

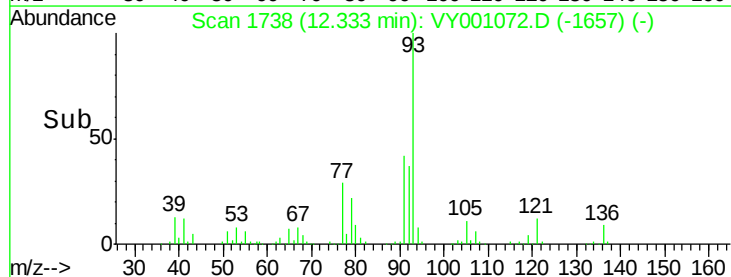
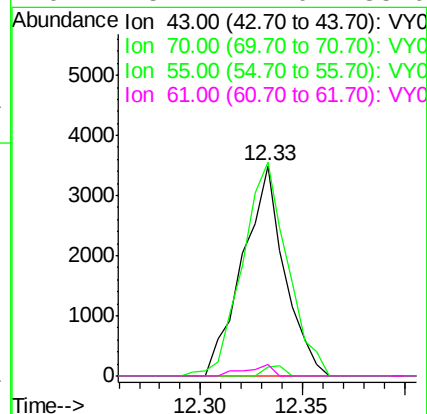
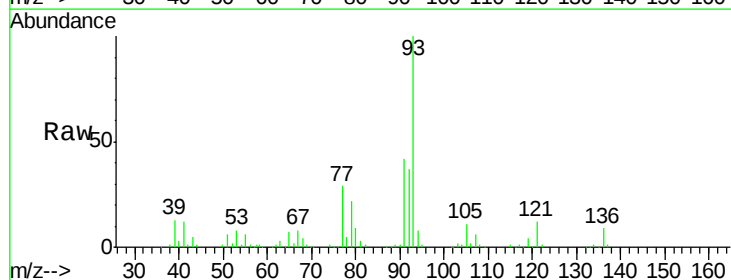
Ion Ratio Lower Upper

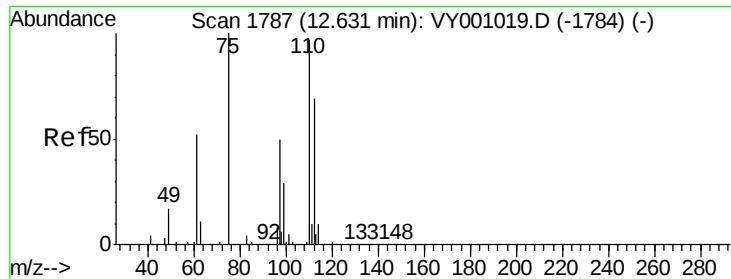
43 100

70 2.4 39.0 58.6#

55 109.0 19.5 29.3#

61 3.4 22.0 33.0#





#76

1,2,3-Trichloropropane

Concen: 39.308 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001072.D

Acq: 26 Dec 2019 15:15

Instrument :

MSVOA_Y

ClientSampleId :

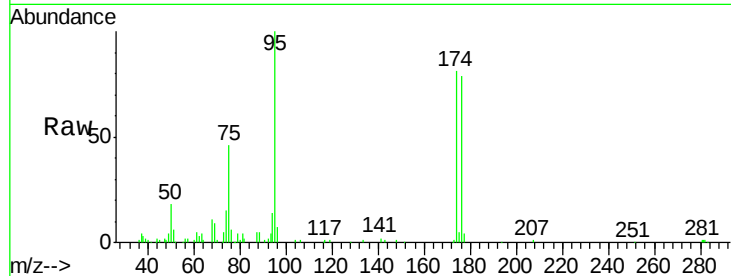
SB-2-(4-5)

Tgt Ion: 75 Resp: 18514

Ion Ratio Lower Upper

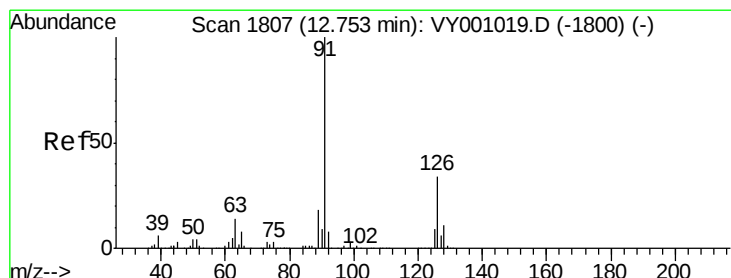
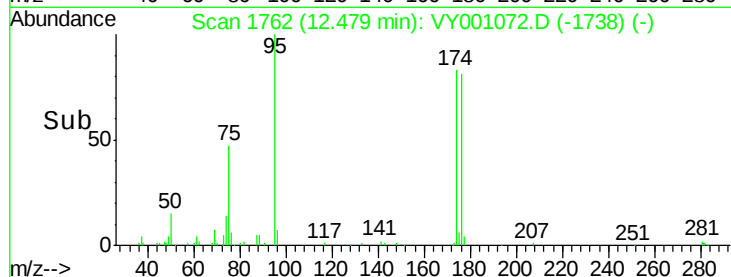
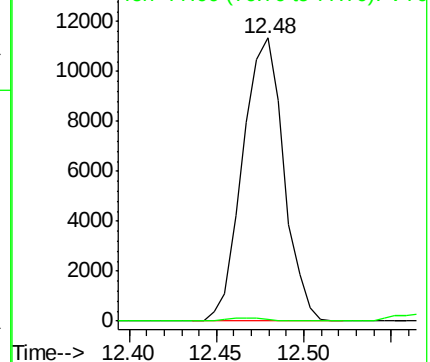
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#79

2-Chlorotoluene

Concen: 18.049 ug/l

RT: 12.89 min Scan# 1829

Delta R.T. 0.13 min

Lab File: VY001072.D

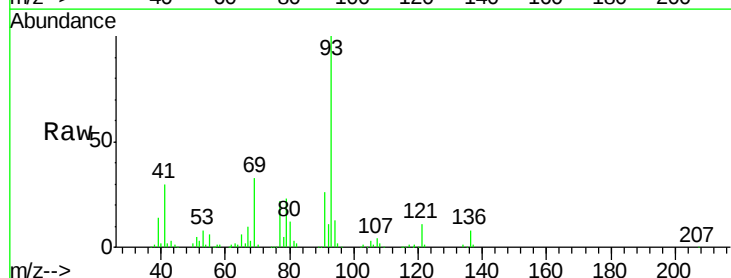
Acq: 26 Dec 2019 15:15

Tgt Ion: 91 Resp: 35908

Ion Ratio Lower Upper

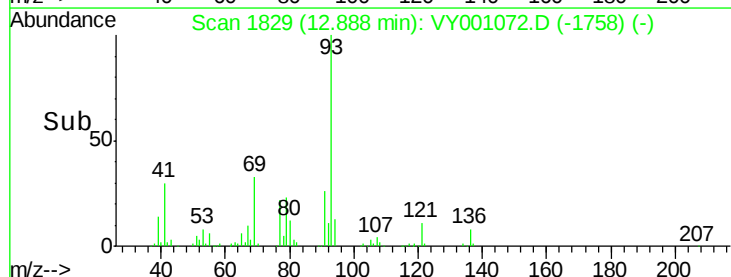
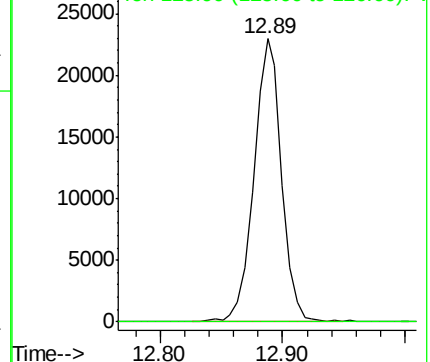
91 100

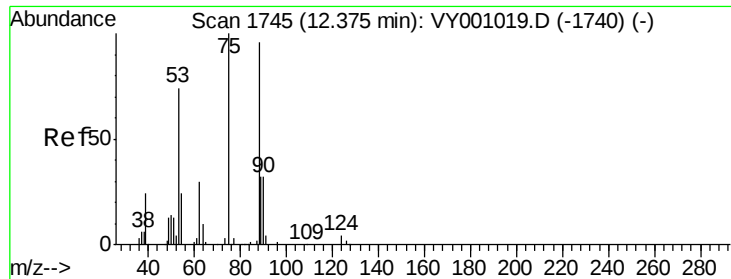
126 0.0 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 83.834 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001072.D

Acq: 26 Dec 2019 15:15

Instrument :

MSVOA_Y

ClientSampleId :

SB-2-(4-5)

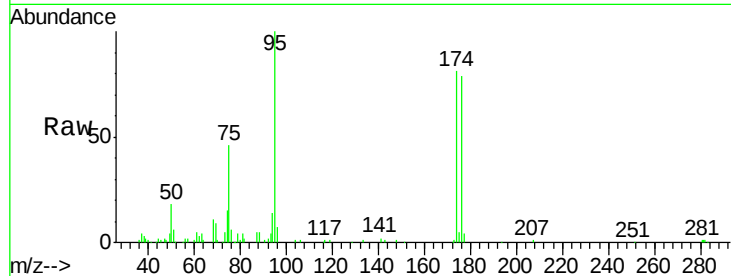
Tgt Ion: 75 Resp: 18514

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

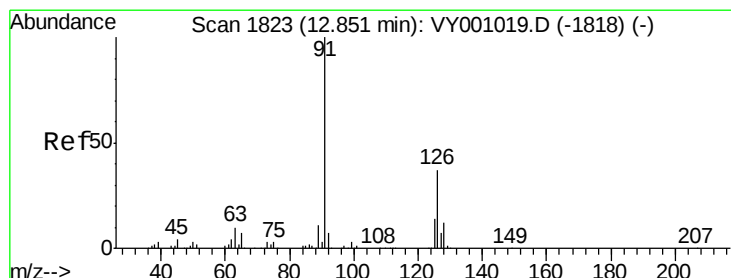
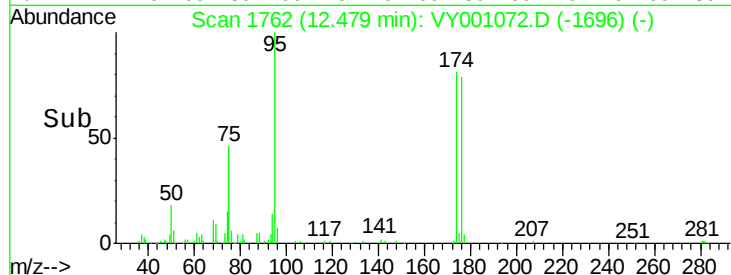
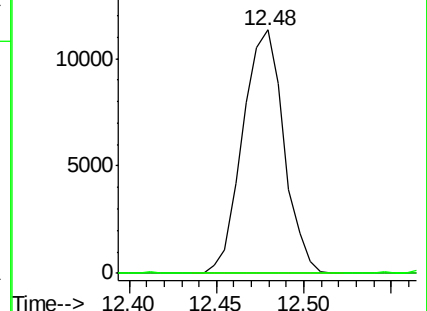
89 0.0 35.4 53.0#



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



#82

4-Chlorotoluene

Concen: 17.377 ug/l

RT: 12.89 min Scan# 1829

Delta R.T. 0.04 min

Lab File: VY001072.D

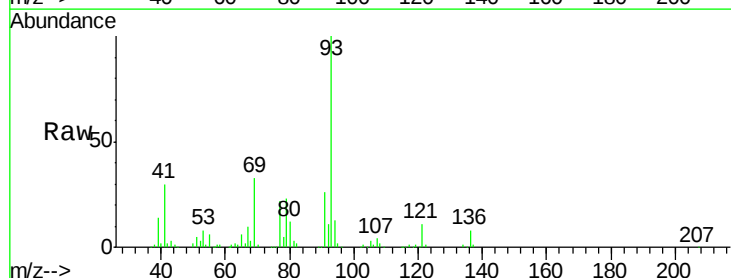
Acq: 26 Dec 2019 15:15

Tgt Ion: 91 Resp: 35908

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

