

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032720\
 Data File : VY002100.D
 Acq On : 27 Mar 2020 13:17
 Operator : SY/MD
 Sample : L2042-04RE
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-5.5-6.0RE

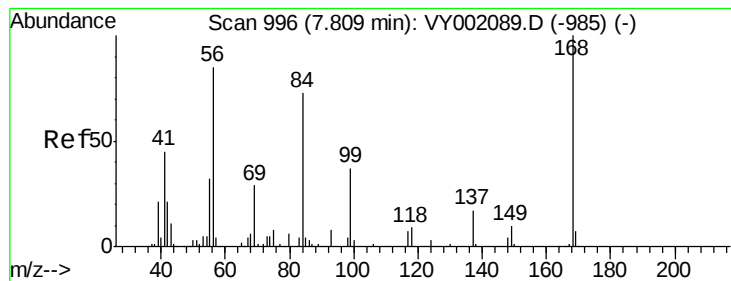
Quant Time: Mar 30 03:24:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	16575	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	28457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	23276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	8294	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	8196	44.73	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	89.46%	
35) Dibromofluoromethane	7.73	113	8064	50.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.14%	
50) Toluene-d8	10.18	98	32797	49.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.48	95	8829	38.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	100	1.943	ug/l #	42
20) Methylene Chloride	4.72	84	582	Below Cal	#	59
36) 1,1-Dichloropropene	7.80	75	1433	5.324	ug/l #	48
38) Carbon Tetrachloride	7.80	117	1795	7.860	ug/l #	13
55) 1,1,2-Trichloroethane	10.63	97	360	2.333	ug/l #	16
59) 2-Hexanone	10.80	43	1183	10.803	ug/l #	23
68) m/p-Xylenes	11.69	106	337	1.092	ug/l #	21
76) 1,2,3-Trichloropropane	12.49	75	4682	50.466	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	4682	97.770	ug/l #	17
95) Naphthalene	15.23	128	368	1.013	ug/l #	70

(#) = 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: VY002100.D

Acq: 27 Mar 2020 13:17

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MSVOA_Y

ClientSampleId :

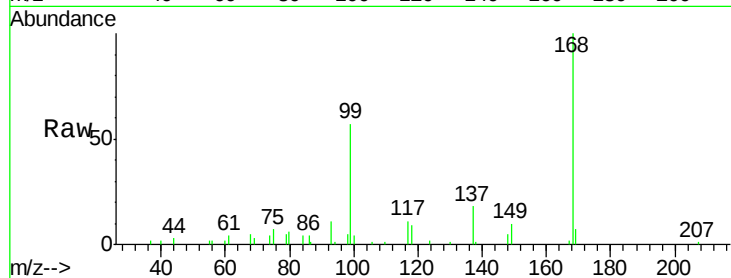
SB-04-5.5-6.0RE

Tgt Ion:168 Resp: 16575

Ion Ratio Lower Upper

168 100

99 56.7 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002100.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002100.D (-947) (-)

7.80

8000

6000

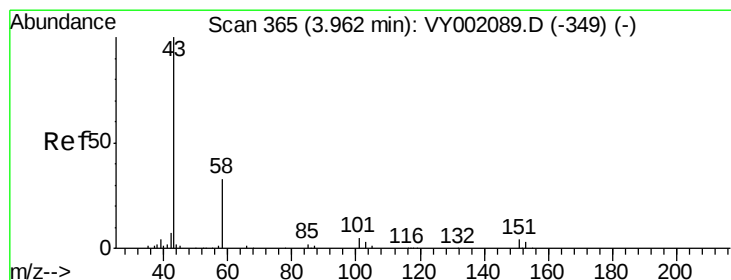
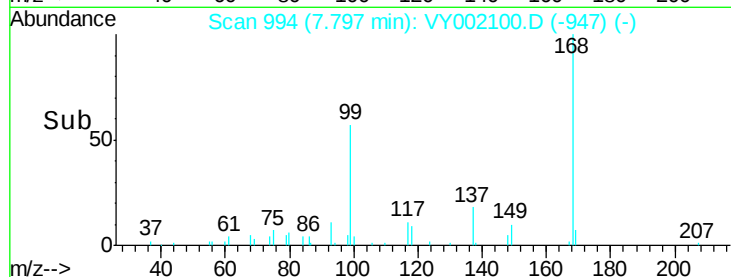
4000

2000

0

7.70 7.75 7.80 7.85

Time-->



#16

Acetone

Concen: 1.943 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002100.D

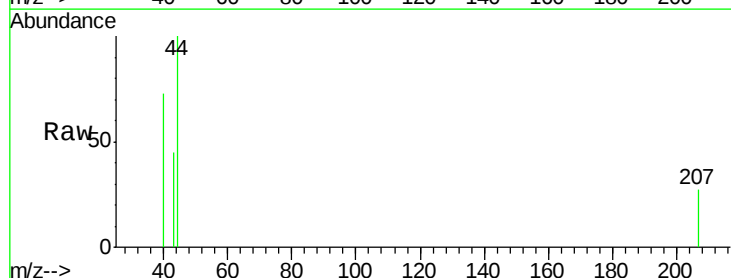
Acq: 27 Mar 2020 13:17

Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002100.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002100.D (-316) (-)

3.97

120

100

80

60

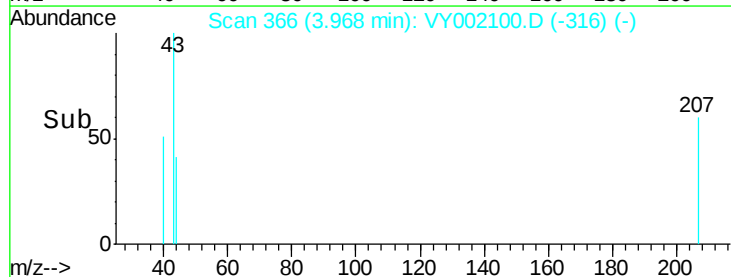
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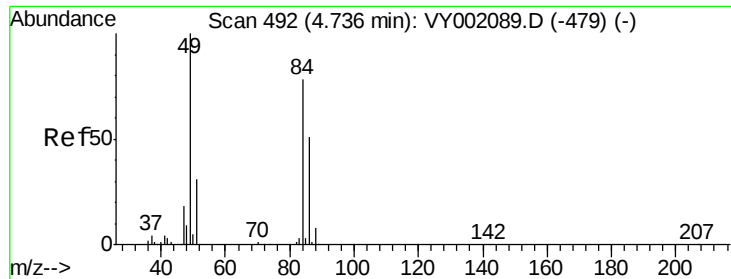
20

0

3.94 3.96 3.98 4.00

Time-->

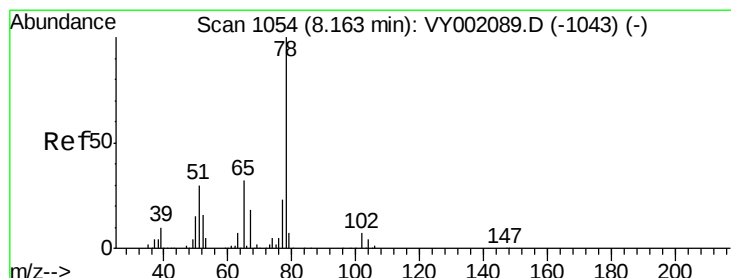
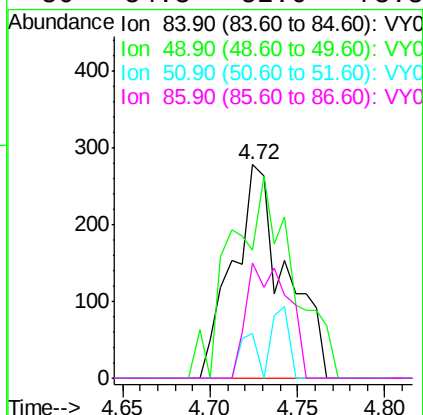
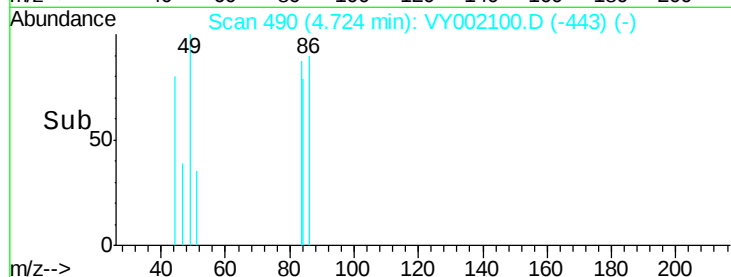
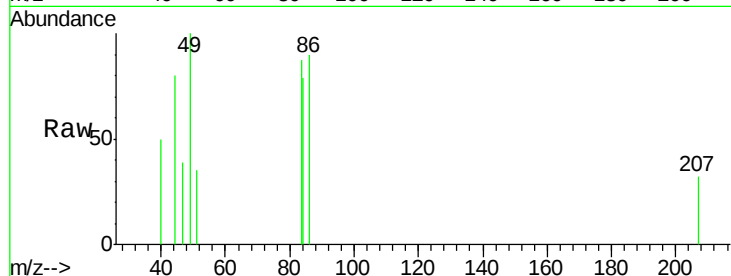




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002100.D
Acq: 27 Mar 2020 13:17

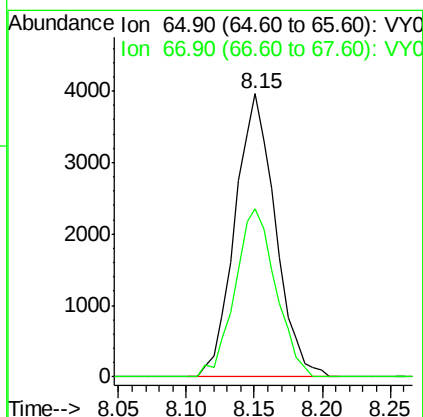
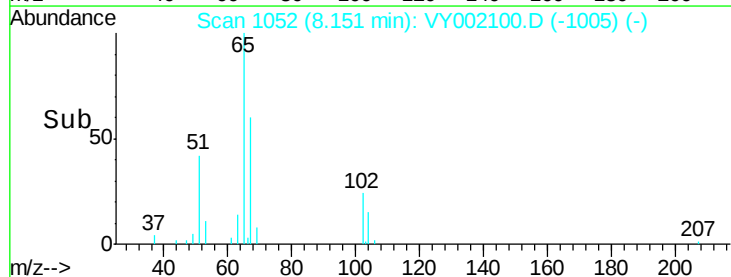
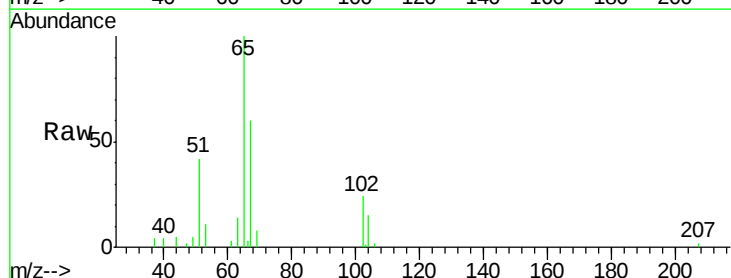
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-5.5-6.0RE

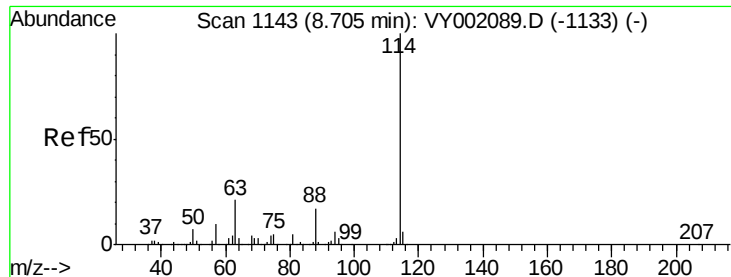
Tgt Ion: 84 Resp: 582
Ion Ratio Lower Upper
84 100
49 60.1 102.2 153.4#
51 21.2 31.2 46.8#
86 54.3 52.6 78.8



#33
1,2-Dichloroethane-d4
Concen: 44.730 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY002100.D
Acq: 27 Mar 2020 13:17

Tgt Ion: 65 Resp: 8196
Ion Ratio Lower Upper
65 100
67 59.8 0.0 112.8

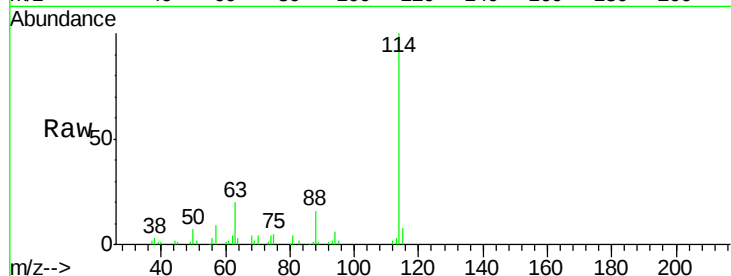




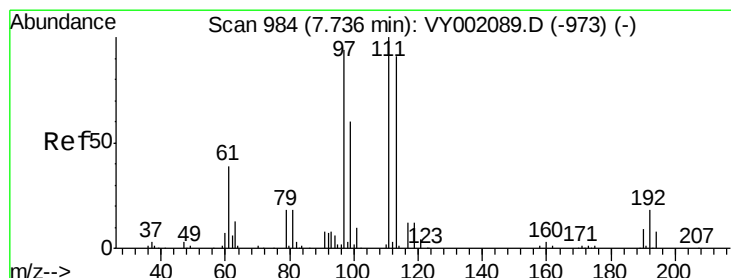
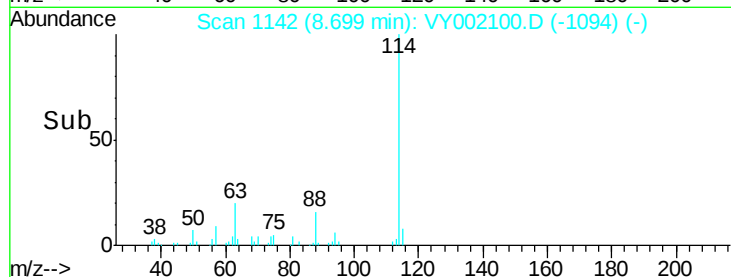
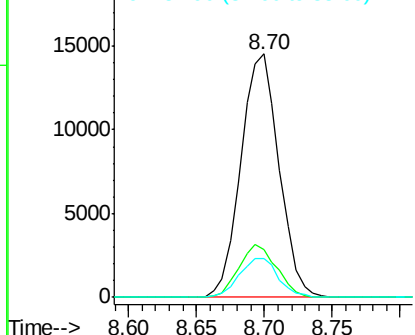
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002100.D
 Acq: 27 Mar 2020 13:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-5.5-6.0RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.4
88	16.2	0.0	33.0

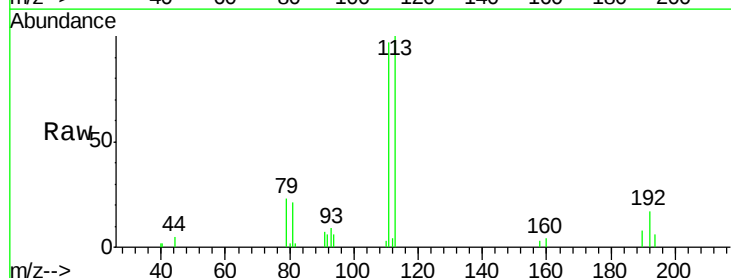


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

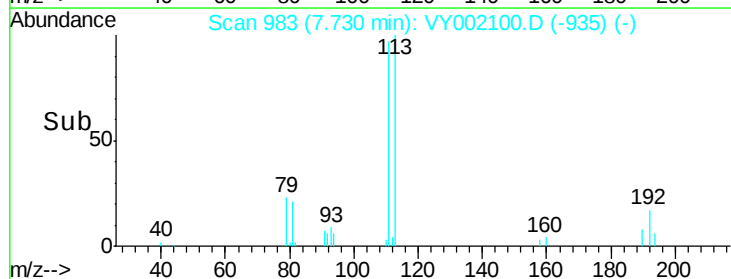
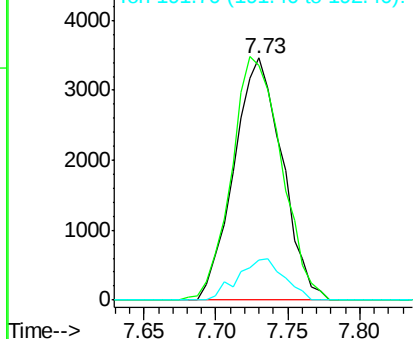


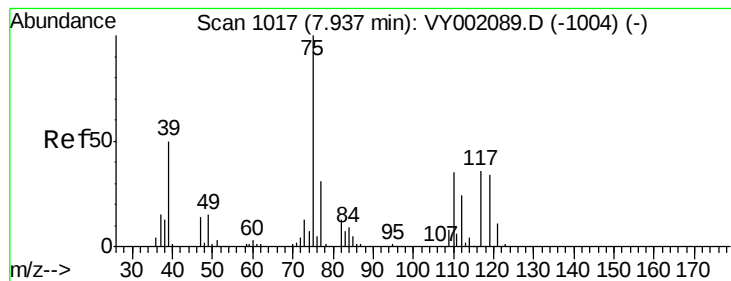
#35
 Dibromofluoromethane
 Concen: 50.574 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002100.D
 Acq: 27 Mar 2020 13:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	84.4	126.6
192	16.3	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: 5.324 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002100.D

Acq: 27 Mar 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-5.5-6.0RE

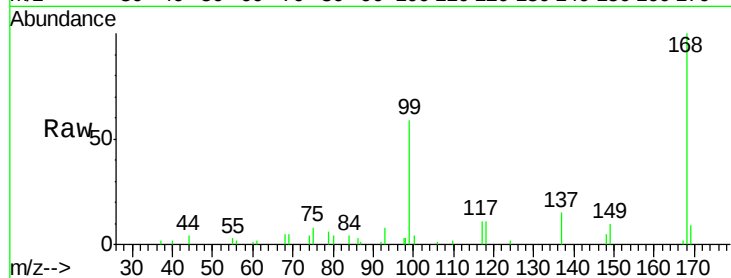
Tgt Ion: 75 Resp: 1433

Ion Ratio Lower Upper

75 100

110 6.4 17.2 51.6#

77 0.0 24.7 37.1#

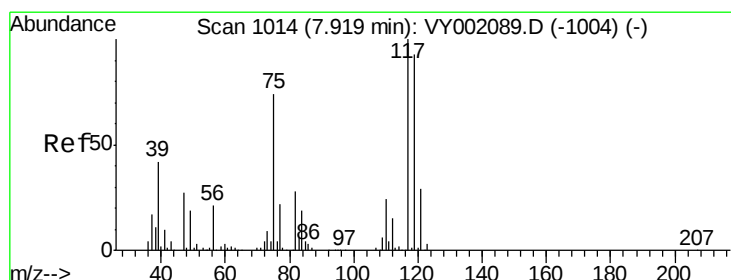
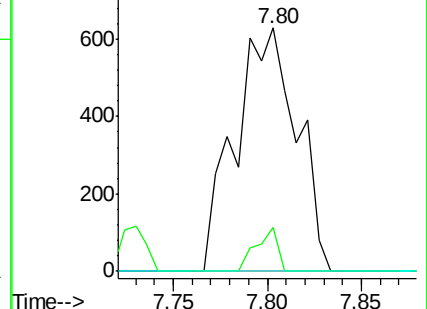
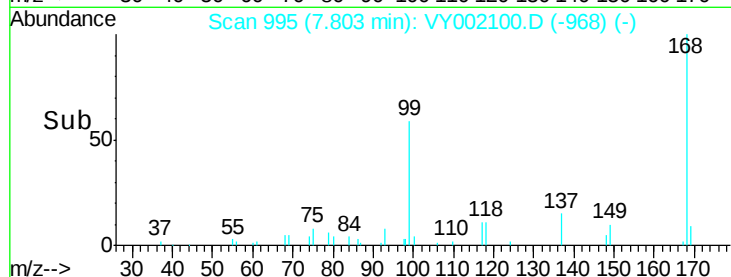


Abundance Ion 74.90 (74.60 to 75.60): VY002100.D (-968) (-)

Ion 109.90 (109.60 to 110.60): VY002100.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY002100.D (-968) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 7.860 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002100.D

Acq: 27 Mar 2020 13:17

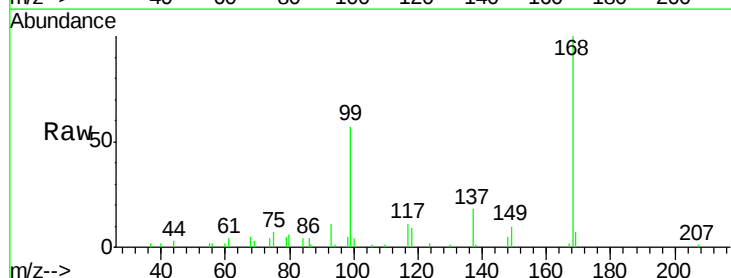
Tgt Ion: 117 Resp: 1795

Ion Ratio Lower Upper

117 100

119 0.0 74.3 111.5#

121 0.0 23.3 34.9#

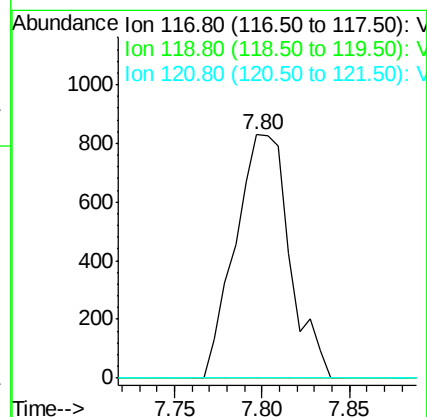
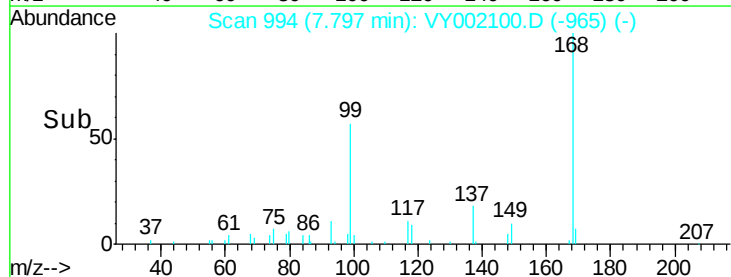


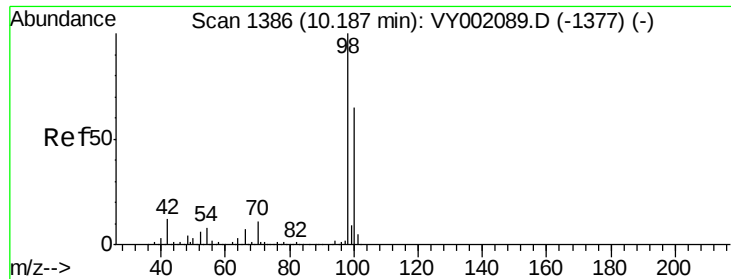
Abundance Ion 116.80 (116.50 to 117.50): VY002100.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY002100.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY002100.D (-965) (-)

Time-->





#50

Toluene-d8

Concen: 49.513 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002100.D

Acq: 27 Mar 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

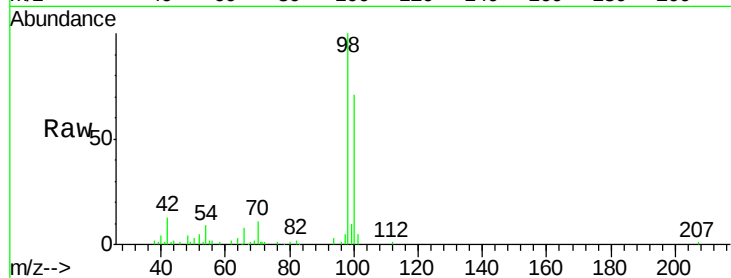
SB-04-5.5-6.0RE

Tgt Ion: 98 Resp: 32797

Ion Ratio Lower Upper

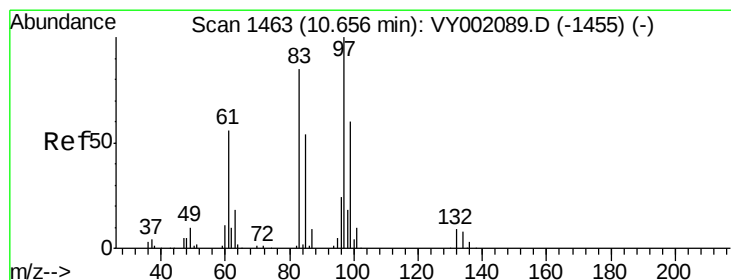
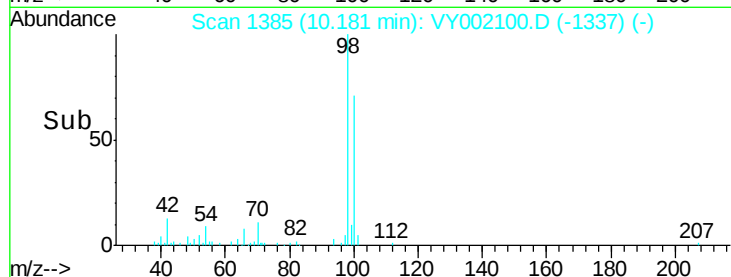
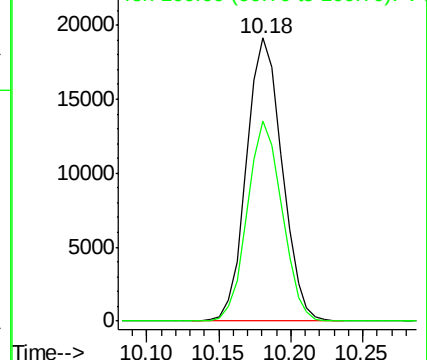
98 100

100 68.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#55

1,1,2-Trichloroethane

Concen: 2.333 ug/l

RT: 10.63 min Scan# 1458

Delta R.T. -0.03 min

Lab File: VY002100.D

Acq: 27 Mar 2020 13:17

Tgt Ion: 97 Resp: 360

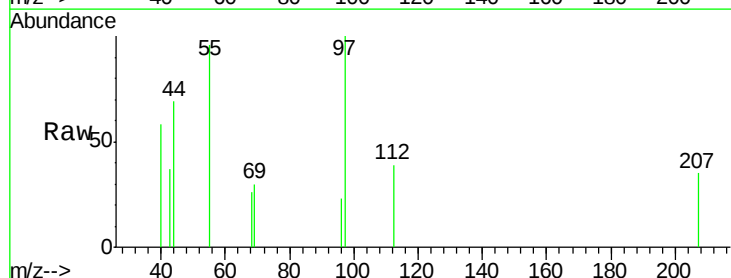
Ion Ratio Lower Upper

97 100

83 0.0 68.2 102.2#

85 0.0 42.9 64.3#

99 0.0 47.9 71.9#

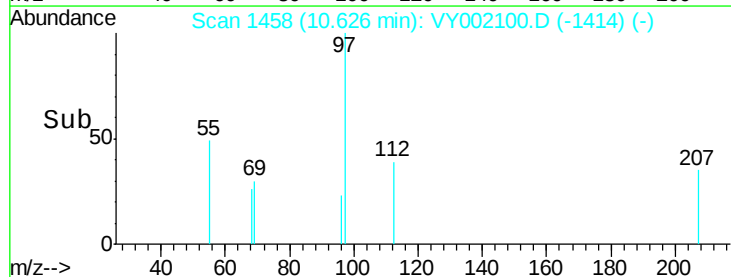
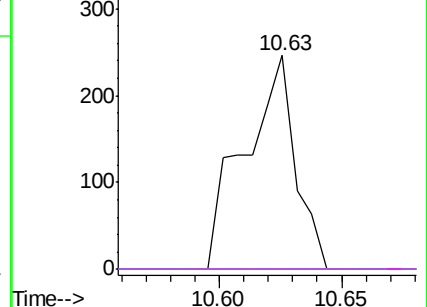


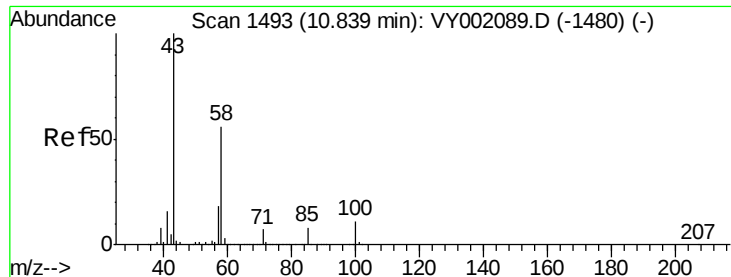
Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0





#59

2-Hexanone

Concen: 10.803 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.04 min

Lab File: VY002100.D

Acq: 27 Mar 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

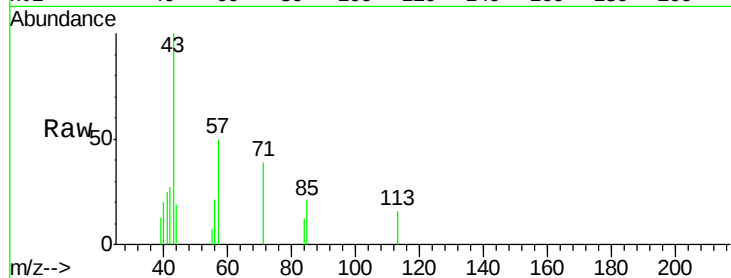
SB-04-5.5-6.0RE

Tgt Ion: 43 Resp: 1183

Ion Ratio Lower Upper

43 100

58 0.0 27.9 83.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.80

800

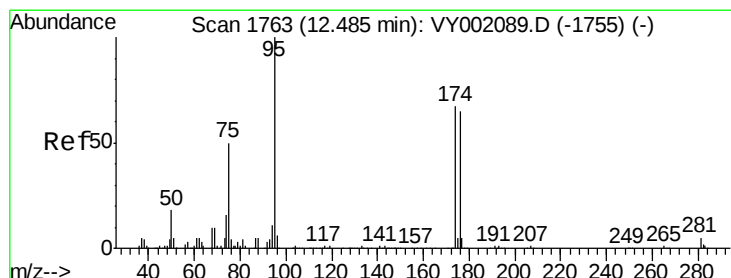
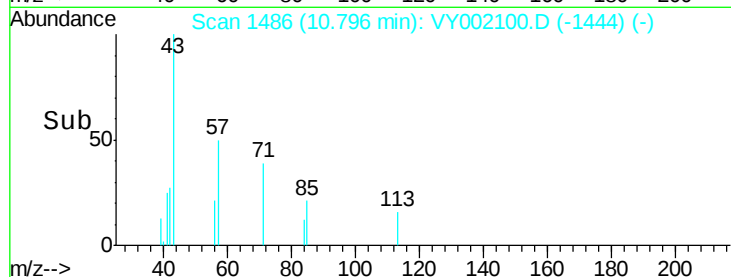
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 38.112 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002100.D

Acq: 27 Mar 2020 13:17

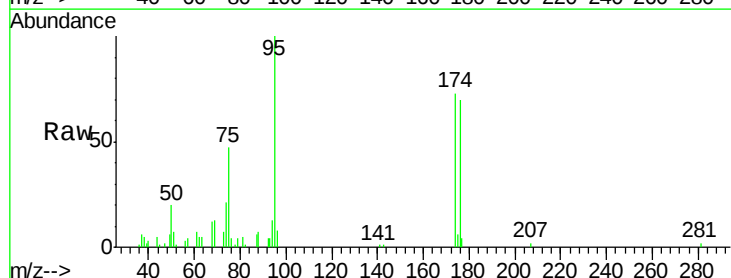
Tgt Ion: 95 Resp: 8829

Ion Ratio Lower Upper

95 100

174 79.0 0.0 143.4

176 72.0 0.0 137.0



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

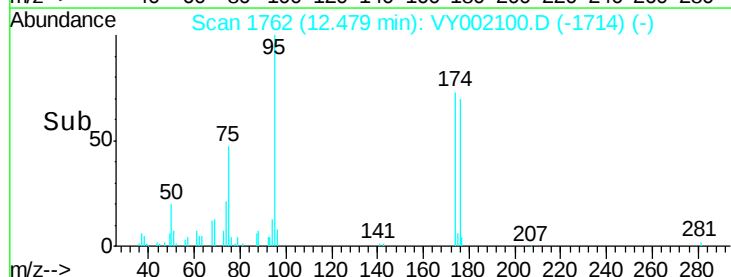
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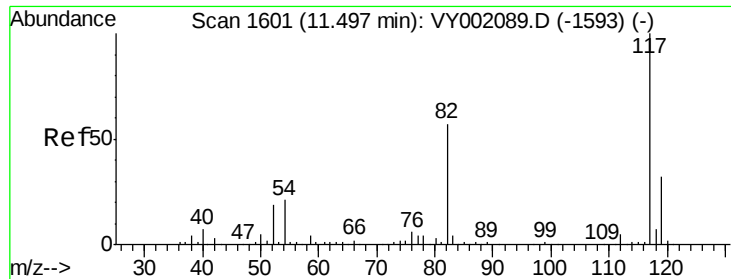
4000

2000

0

Time-->

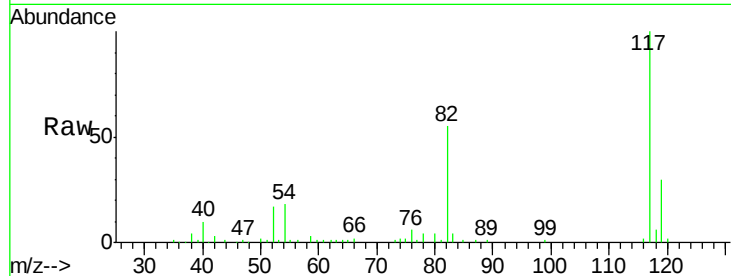




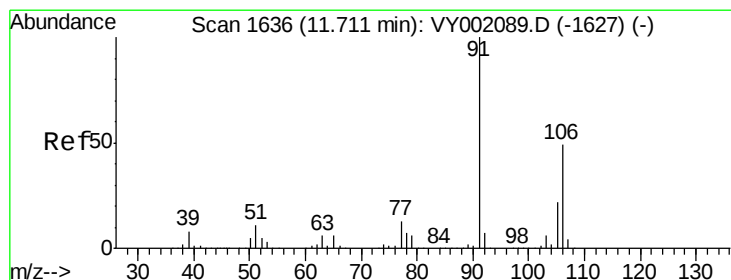
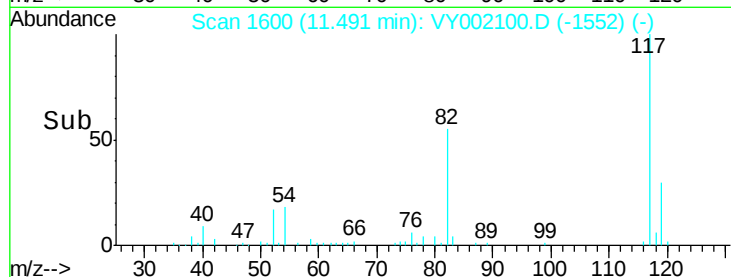
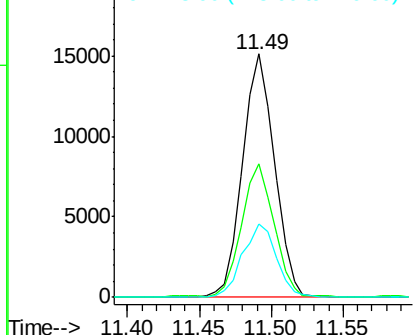
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002100.D
Acq: 27 Mar 2020 13:17

Instrument :
MSVOA_Y
ClientSampled :
SB-04-5.5-6.0RE

Tgt Ion:117 Resp: 23276
Ion Ratio Lower Upper
117 100
82 54.9 45.4 68.2
119 30.0 25.3 37.9

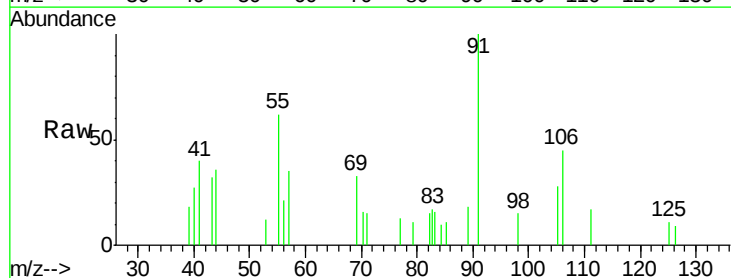


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

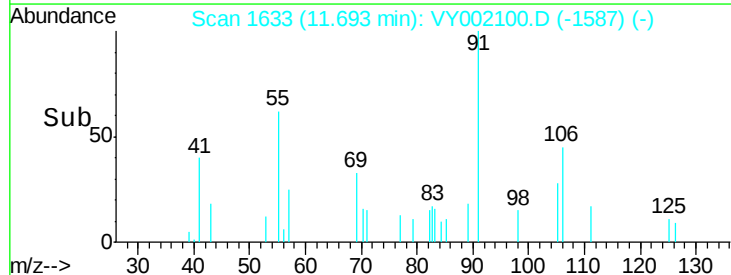
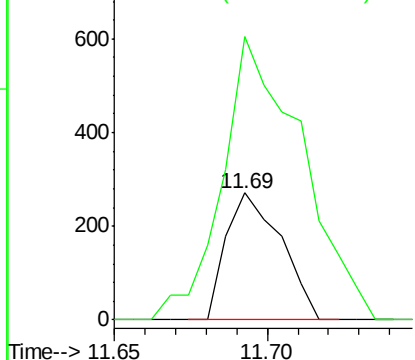


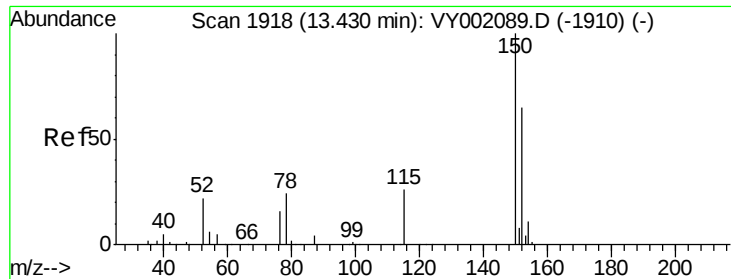
#68
m/p-Xylenes
Concen: 1.092 ug/l
RT: 11.69 min Scan# 1633
Delta R.T. -0.02 min
Lab File: VY002100.D
Acq: 27 Mar 2020 13:17

Tgt Ion:106 Resp: 337
Ion Ratio Lower Upper
106 100
91 324.0 162.8 244.2#



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



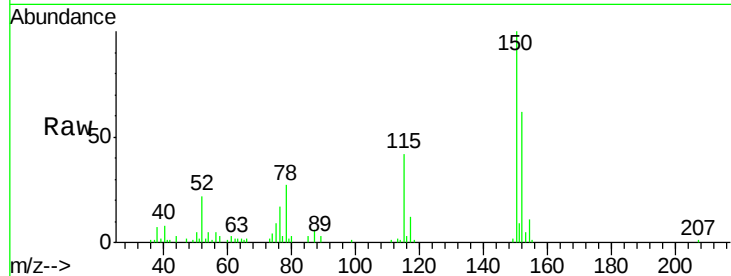


#72

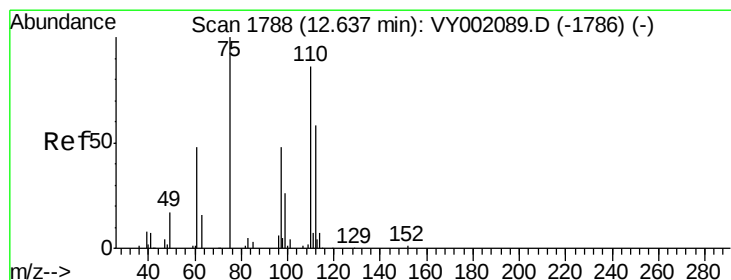
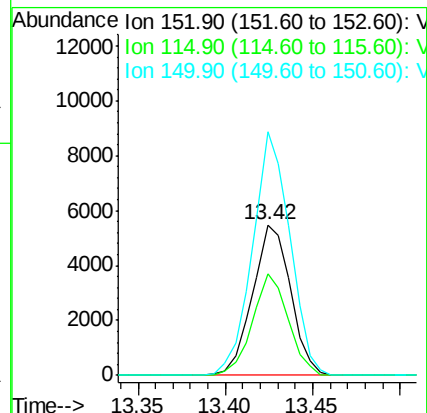
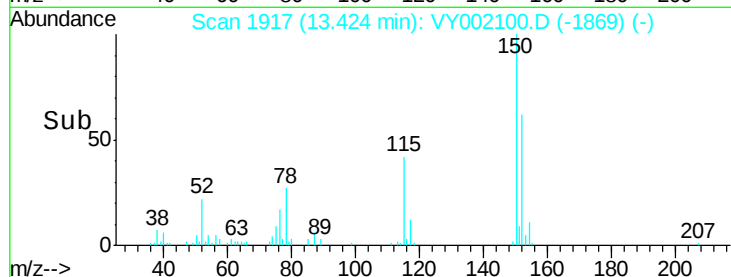
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002100.D
Acq: 27 Mar 2020 13:17

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-5.5-6.0RE

Tgt Ion:152 Resp: 8294
Ion Ratio Lower Upper
152 100
115 63.0 31.2 93.6
150 158.7 0.0 354.8



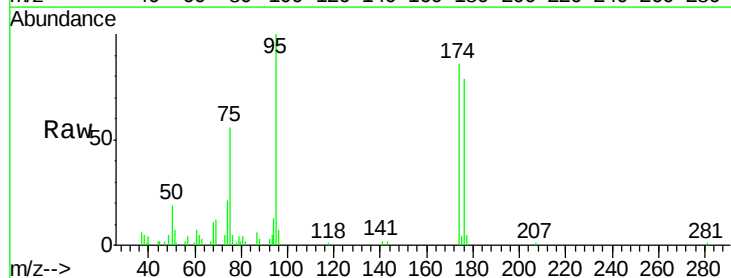
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



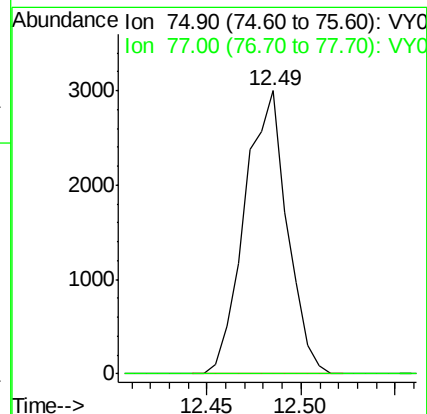
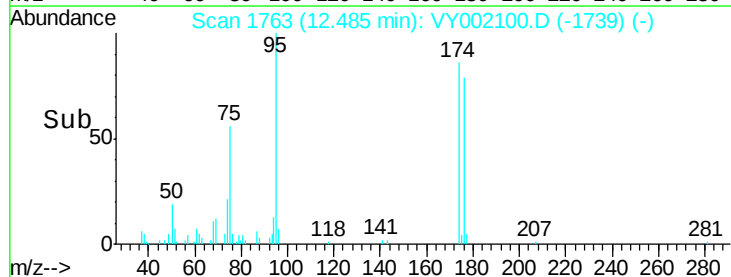
#76

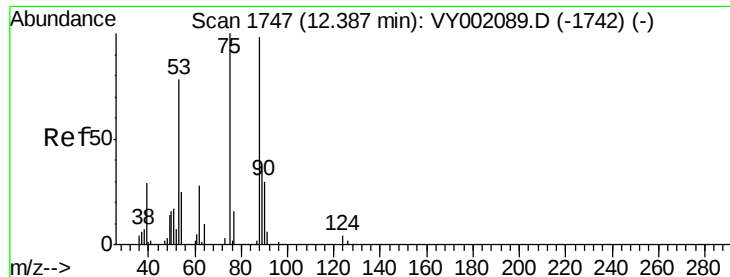
1,2,3-Trichloropropane
Concen: 50.466 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY002100.D
Acq: 27 Mar 2020 13:17

Tgt Ion: 75 Resp: 4682
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





#81

trans-1,4-Dichloro-2-butene

Concen: 97.770 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002100.D

Acq: 27 Mar 2020 13:17

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-5.5-6.0RE

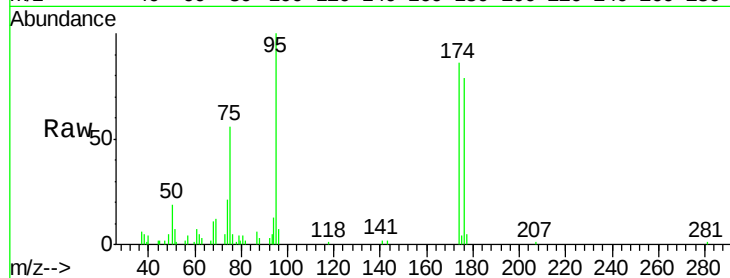
Tgt Ion: 75 Resp: 4682

Ion Ratio Lower Upper

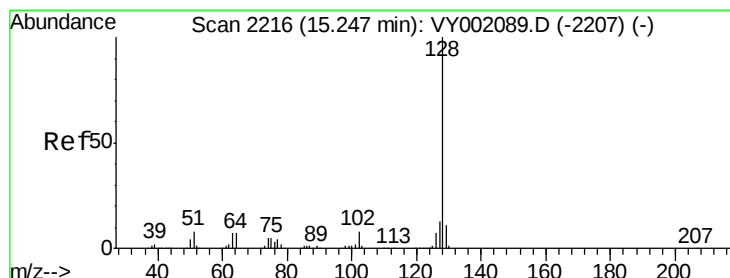
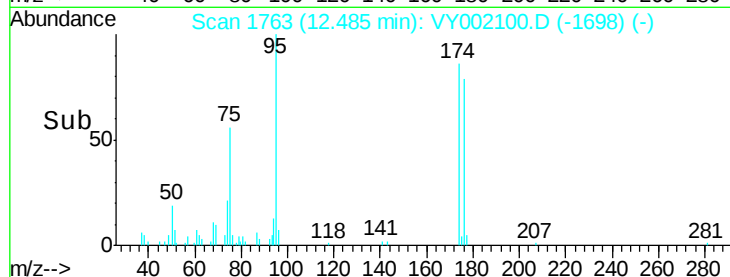
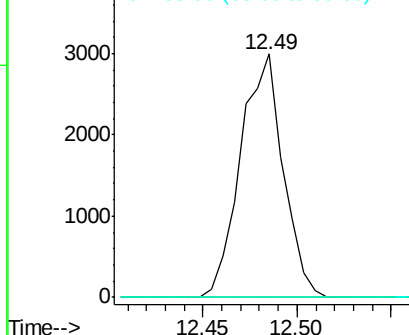
75 100

53 0.0 65.0 97.4#

89 0.0 33.4 50.0#



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



#95

Naphthalene

Concen: 1.013 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.01 min

Lab File: VY002100.D

Acq: 27 Mar 2020 13:17

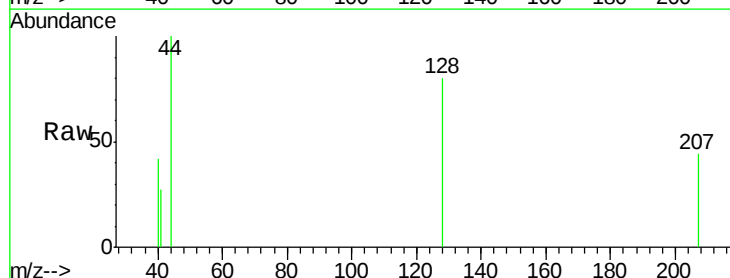
Tgt Ion: 128 Resp: 368

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.6 13.0#



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

