

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011720\
 Data File : VY001277.D
 Acq On : 17 Jan 2020 19:46
 Operator : SY/MD
 Sample : L1171-02
 Misc : 6.16G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1A-45.0

Quant Time: Jan 18 03:26:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	79161	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.72	114	134826	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.51	117	110700	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.44	152	49014	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	37037	44.30	ug/l	0.03
Spiked Amount			Recovery	=	88.60%	
35) Dibromofluoromethane	7.76	113	36975	46.84	ug/l	0.04
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	10.21	98	153268	50.39	ug/l	0.02
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.50	95	52629	42.32	ug/l	0.02
Spiked Amount			Recovery	=	84.64%	

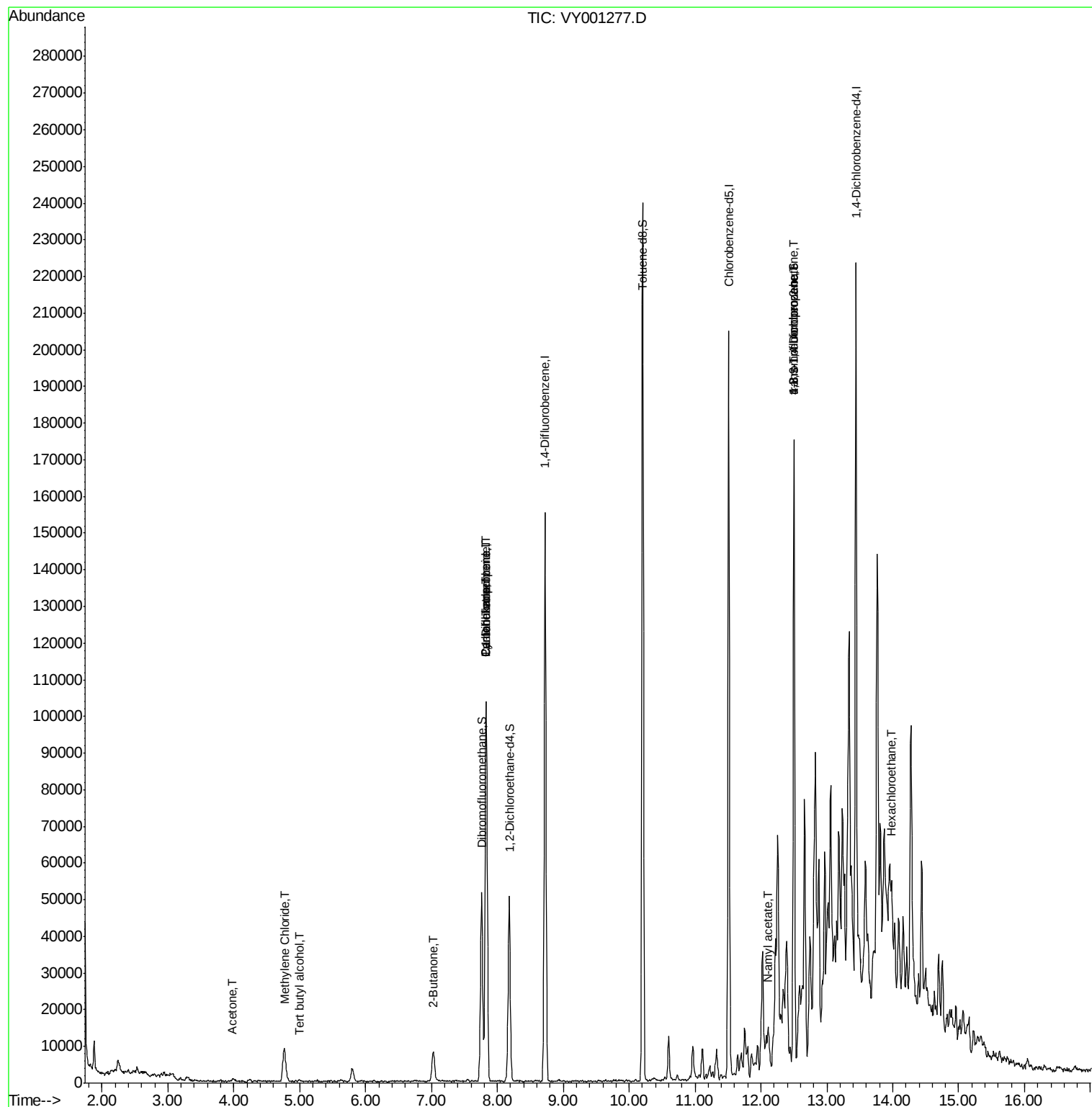
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	350	4.16	ug/l #	73
16) Acetone	3.98	43	1509	7.77	ug/l #	64
20) Methylene Chloride	4.76	84	7205	2.74	ug/l	93
25) 2-Butanone	7.02	43	428	1.42	ug/l #	47
31) Cyclohexane	7.83	56	1940	1.20	ug/l #	1
36) 1,1-Dichloropropene	7.83	75	6590	5.36	ug/l #	48
38) Carbon Tetrachloride	7.83	117	7710	6.85	ug/l #	17
74) N-amyl acetate	12.10	43	2048	1.78	ug/l #	27
76) 1,2,3-Trichloropropane	12.50	75	25221	48.07	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	25221	81.51	ug/l #	9
90) Hexachloroethane	13.99	117	703	1.11	ug/l #	14

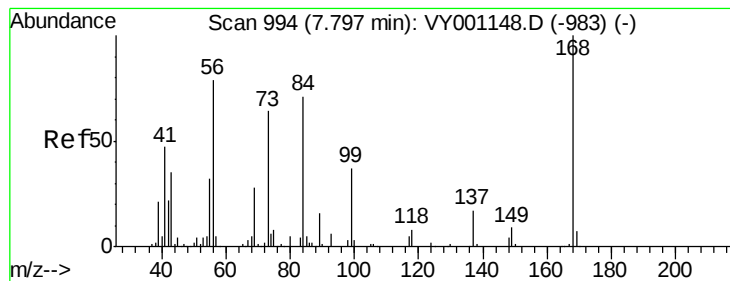
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY011720\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.03 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

Instrument :

MSVOA_Y

ClientSampleId :

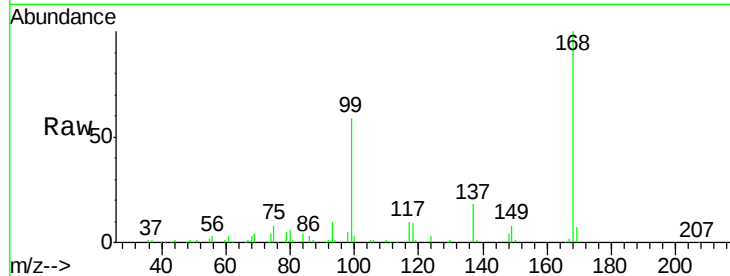
BW-1A-45.0

Tgt Ion: 168 Resp: 79161

Ion Ratio Lower Upper

168 100

99 59.2 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.83

40000

30000

20000

10000

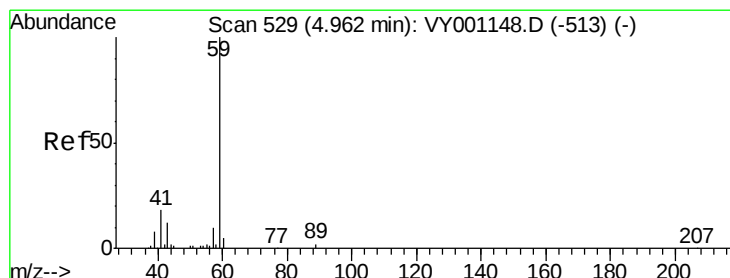
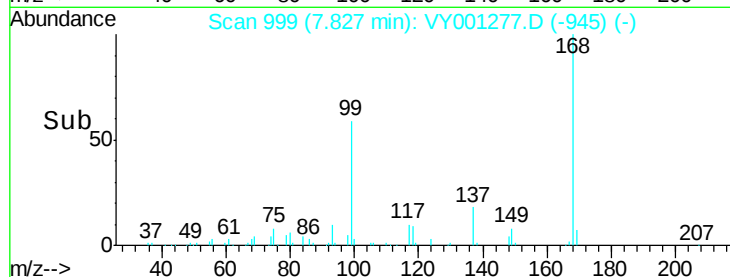
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Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: 4.16 ug/l

RT: 4.99 min Scan# 533

Delta R.T. 0.02 min

Lab File: VY001277.D

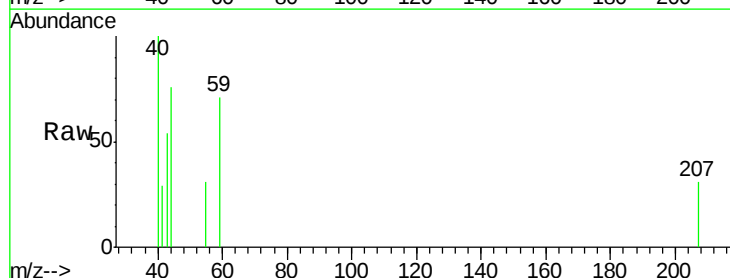
Acq: 17 Jan 2020 19:46

Tgt Ion: 59 Resp: 350

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY001148.D (-513) (-)

4.99

150

100

50

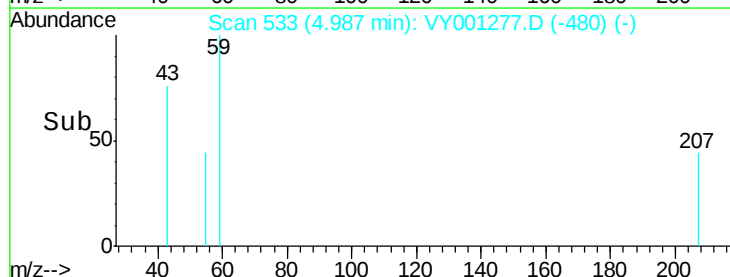
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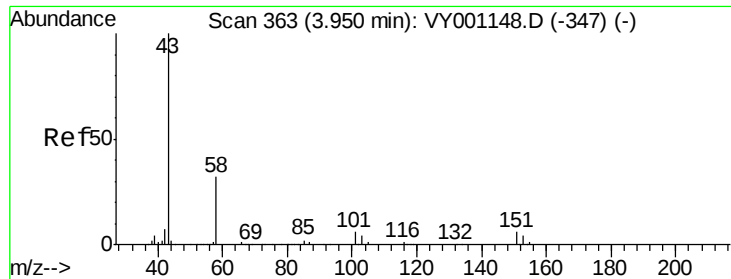
Time-->

4.95

5.00

5.05





#16

Acetone

Concen: 7.77 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.03 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

Instrument :

MSVOA_Y

ClientSampled :

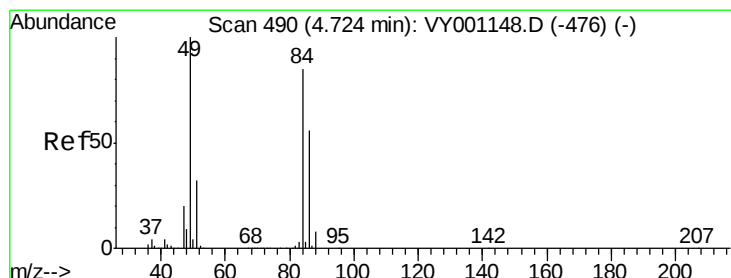
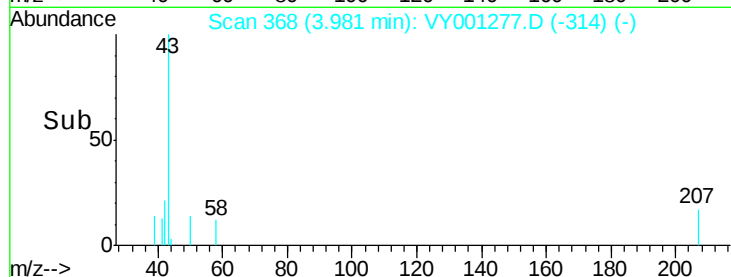
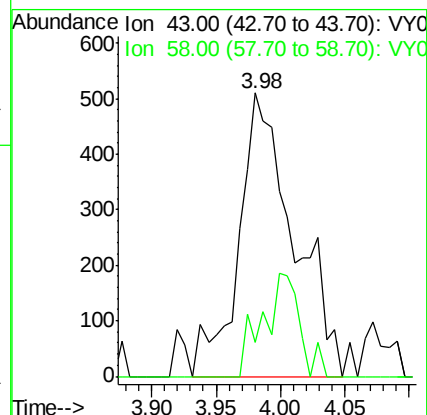
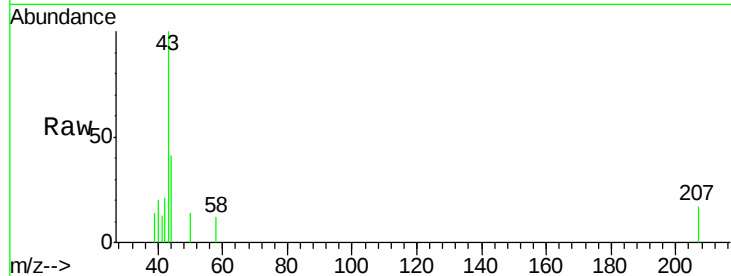
BW-1A-45.0

Tgt Ion: 43 Resp: 1509

Ion Ratio Lower Upper

43 100

58 12.2 25.8 38.6#



#20

Methylene Chloride

Concen: 2.74 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.04 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

Tgt Ion: 84 Resp: 7205

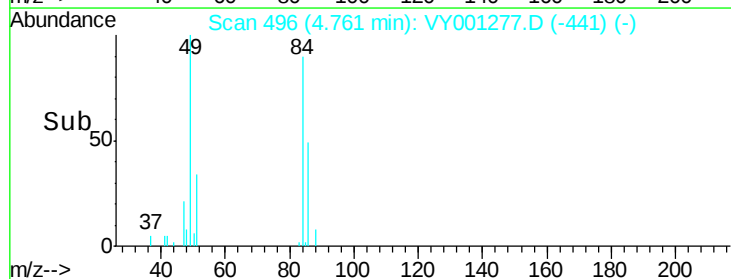
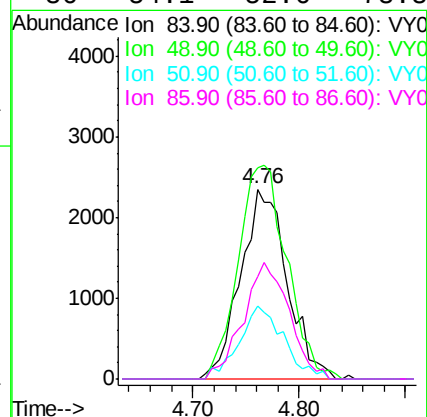
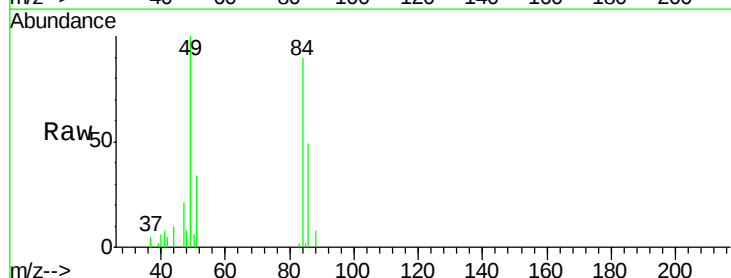
Ion Ratio Lower Upper

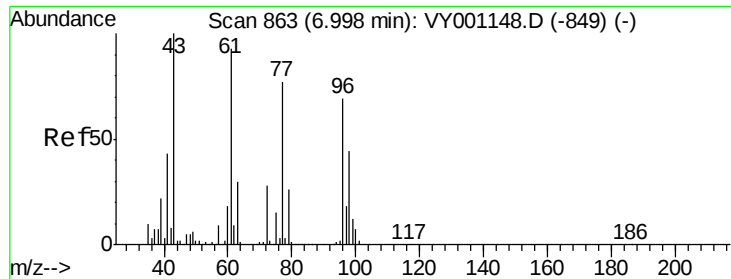
84 100

49 111.3 93.8 140.6

51 38.1 29.9 44.9

86 54.1 52.6 78.8





#25

2-Butanone

Concen: 1.42 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

Instrument :

MSVOA_Y

ClientSampleId :

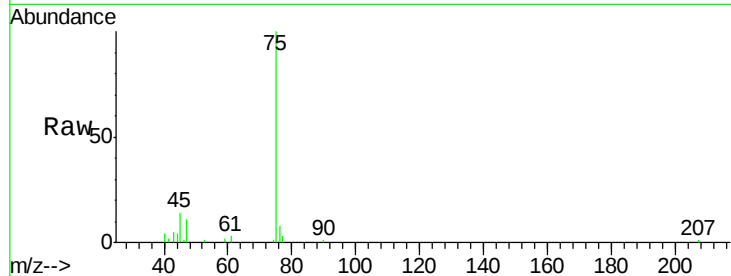
BW-1A-45.0

Tgt Ion: 43 Resp: 428

Ion Ratio Lower Upper

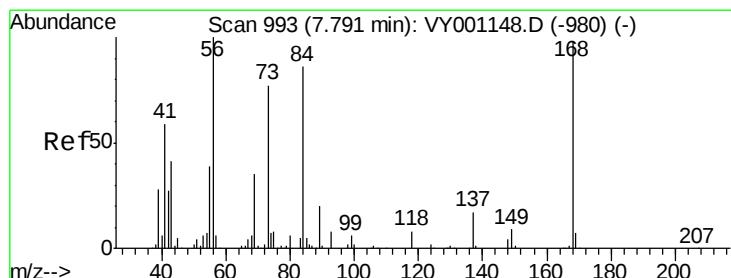
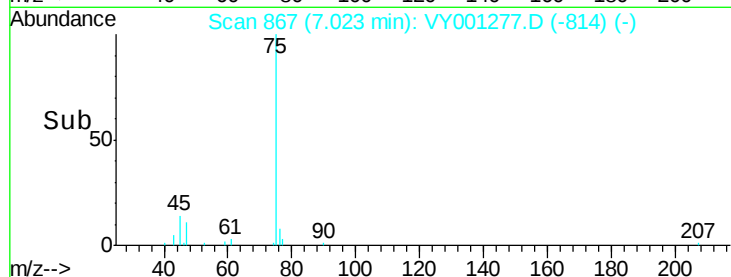
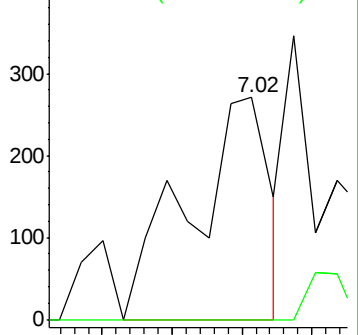
43 100

72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.20 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.04 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

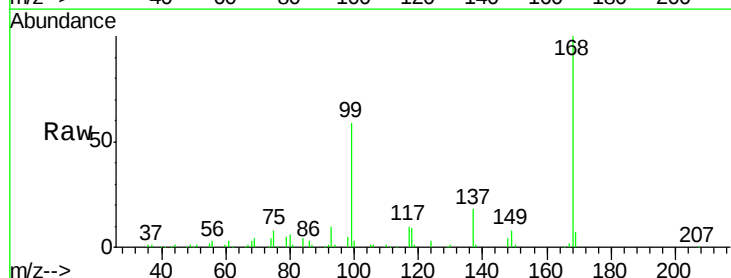
Tgt Ion: 56 Resp: 1940

Ion Ratio Lower Upper

56 100

69 163.0 27.8 41.8#

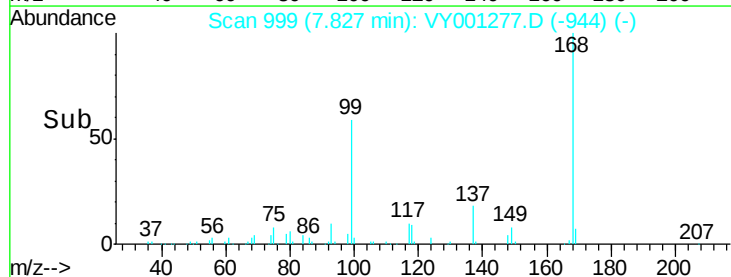
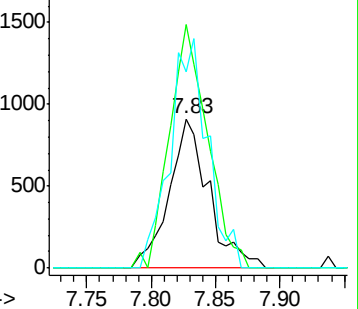
84 131.5 68.9 103.3#

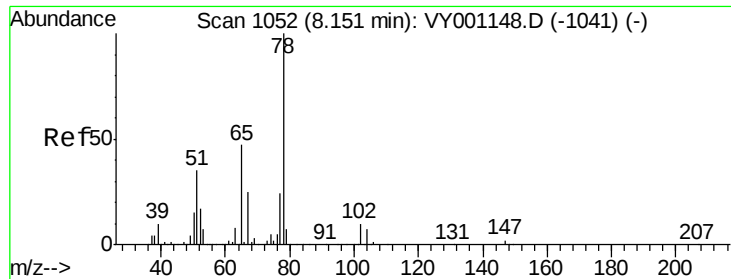


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

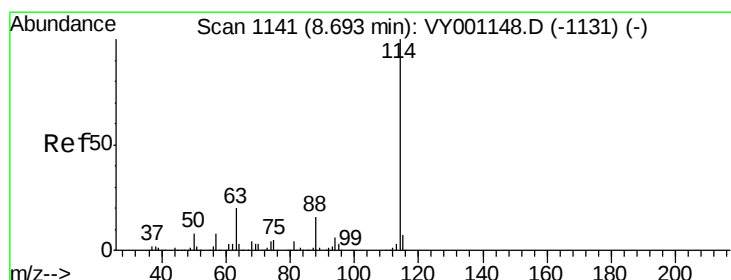
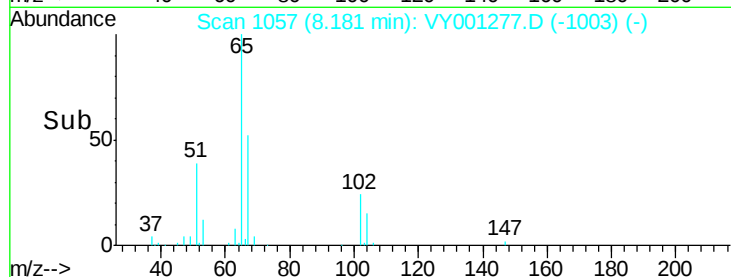
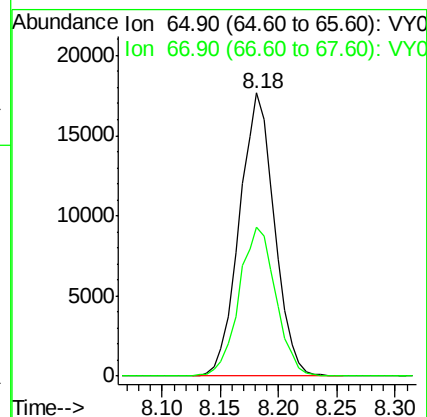
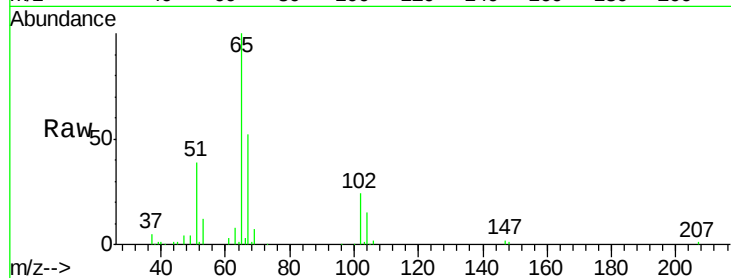




#33
 1,2-Dichloroethane-d4
 Concen: 44.30 ug/l
 RT: 8.18 min Scan# 1057
 Delta R.T. 0.03 min
 Lab File: VY001277.D
 Acq: 17 Jan 2020 19:46

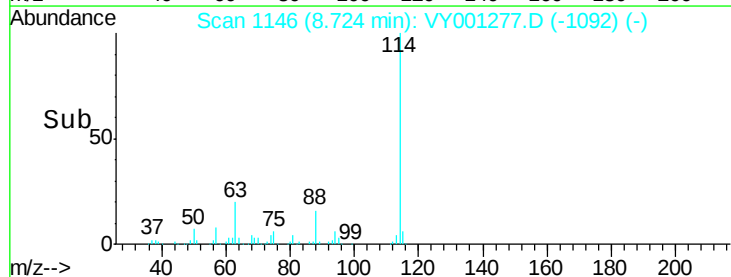
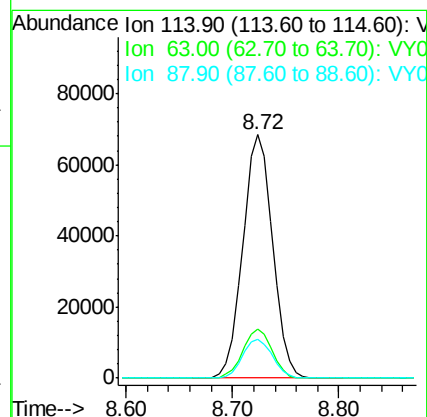
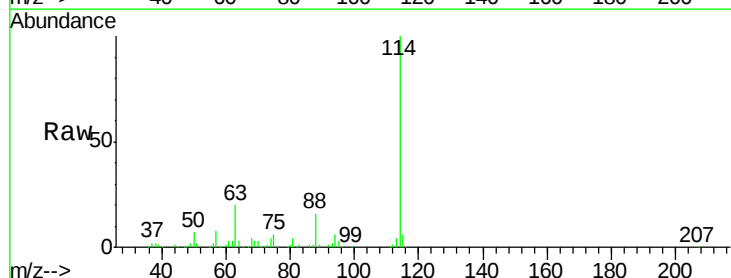
Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1A-45.0

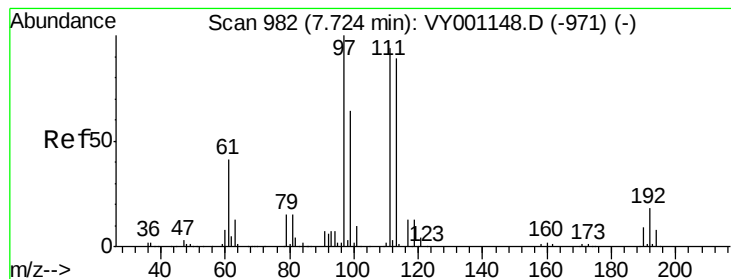
Tgt Ion: 65 Resp: 37037
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.72 min Scan# 1146
 Delta R.T. 0.03 min
 Lab File: VY001277.D
 Acq: 17 Jan 2020 19:46

Tgt Ion: 114 Resp: 134826
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.84 ug/l

RT: 7.76 min Scan# 988

Delta R.T. 0.04 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

Instrument :

MSVOA_Y

ClientSampleId :

BW-1A-45.0

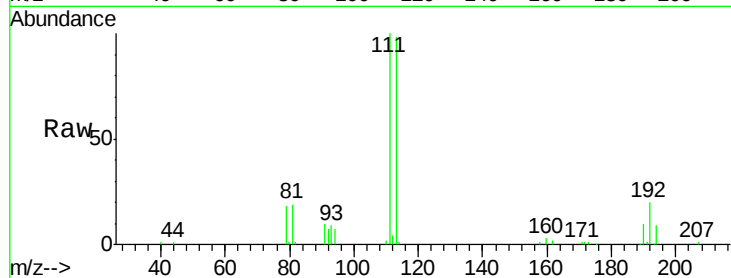
Tgt Ion:113 Resp: 36975

Ion Ratio Lower Upper

113 100

111 104.0 82.9 124.3

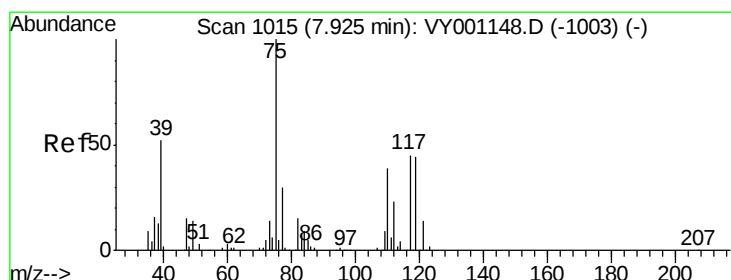
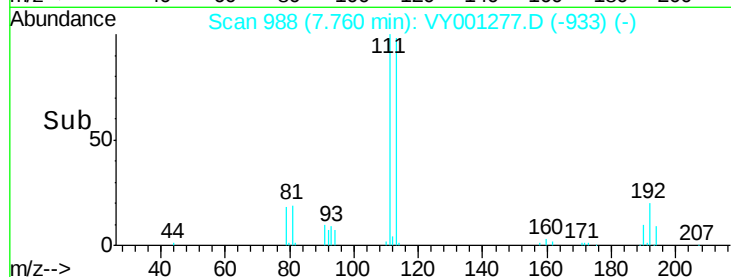
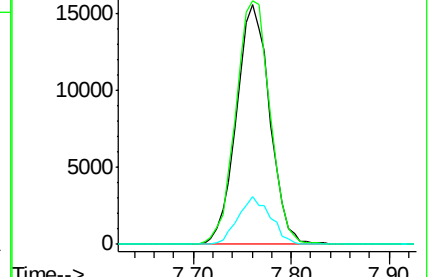
192 19.4 15.4 23.2



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: 5.36 ug/l

RT: 7.83 min Scan# 999

Delta R.T. -0.10 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

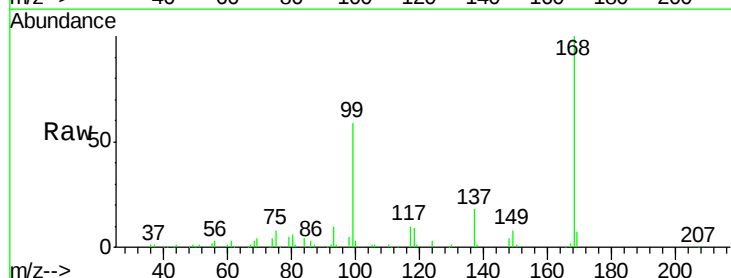
Tgt Ion: 75 Resp: 6590

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

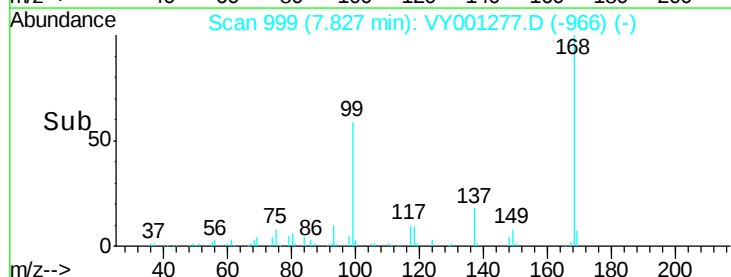
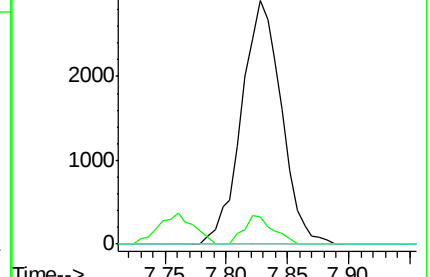
77 0.0 25.1 37.7#

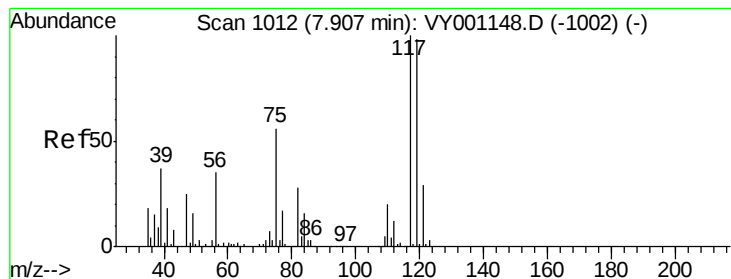


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.85 ug/l

RT: 7.83 min Scan# 999

Delta R.T. -0.08 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

Instrument :

MSVOA_Y

ClientSampleId :

BW-1A-45.0

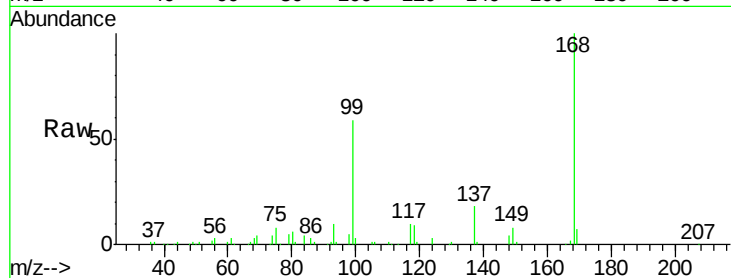
Tgt Ion: 117 Resp: 7710

Ion Ratio Lower Upper

117 100

119 7.9 78.3 117.5#

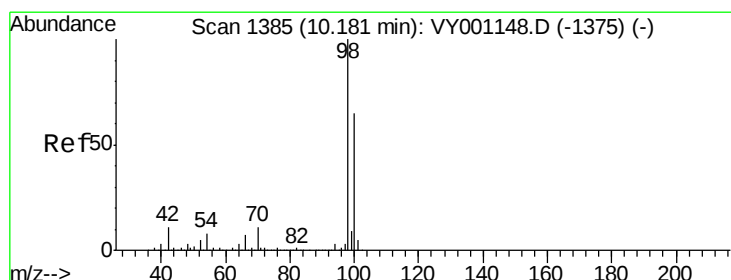
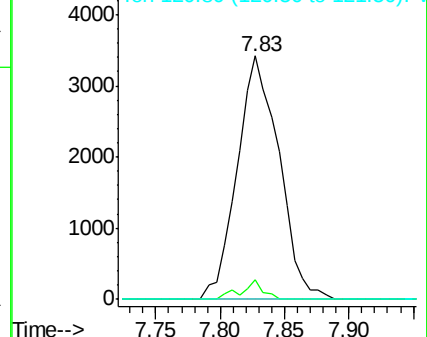
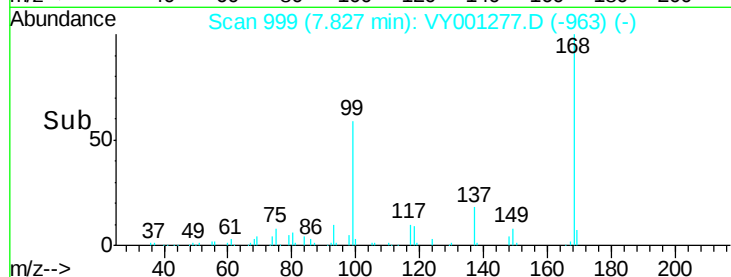
121 0.0 23.5 35.3#



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: 50.39 ug/l

RT: 10.21 min Scan# 1389

Delta R.T. 0.02 min

Lab File: VY001277.D

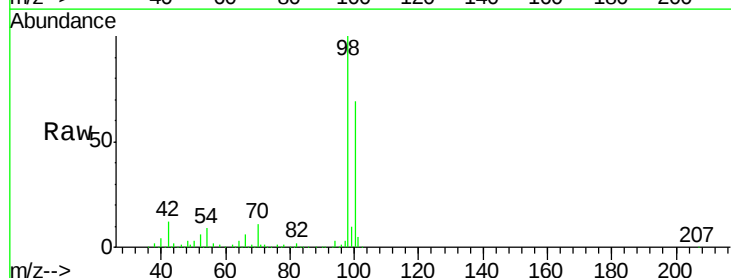
Acq: 17 Jan 2020 19:46

Tgt Ion: 98 Resp: 153268

Ion Ratio Lower Upper

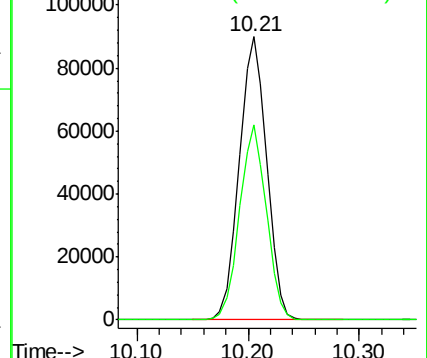
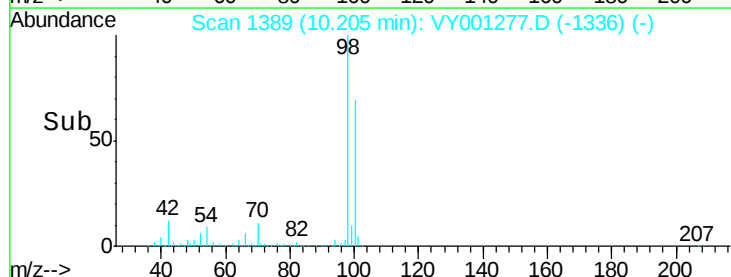
98 100

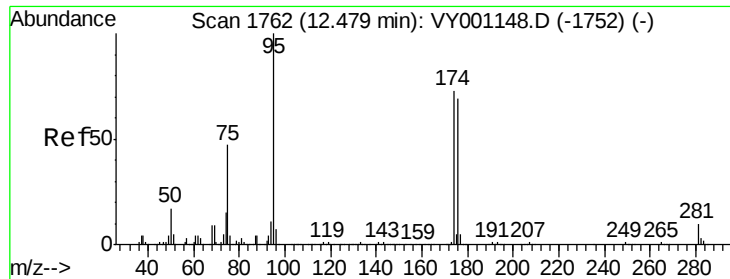
100 67.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

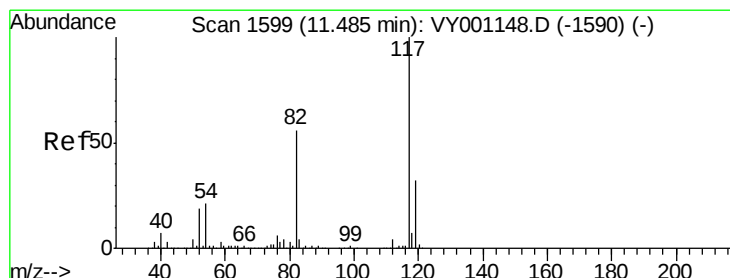
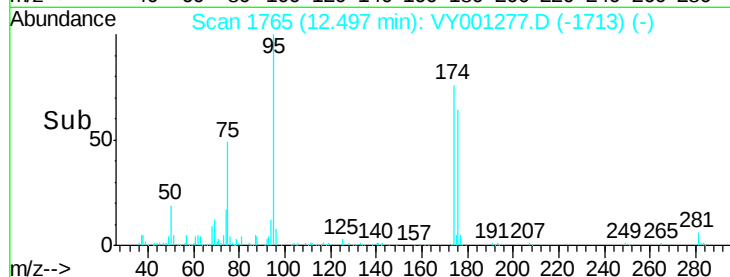
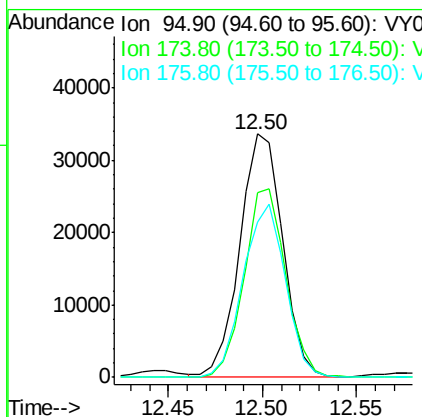
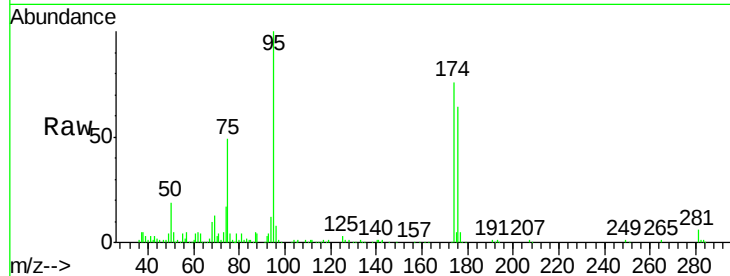




#62
4-Bromofluorobenzene
Concen: 42.32 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.02 min
Lab File: VY001277.D
Acq: 17 Jan 2020 19:46

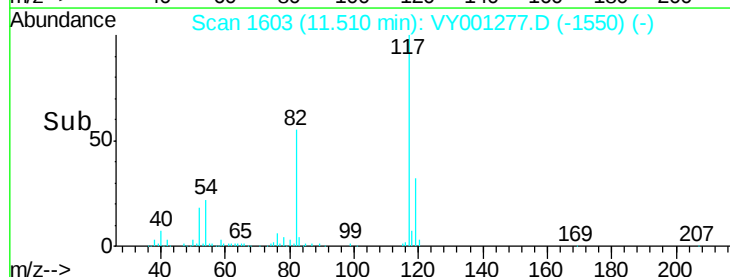
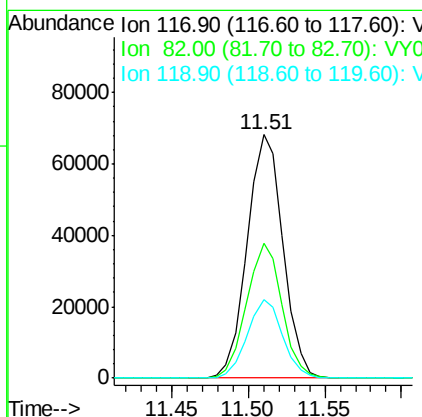
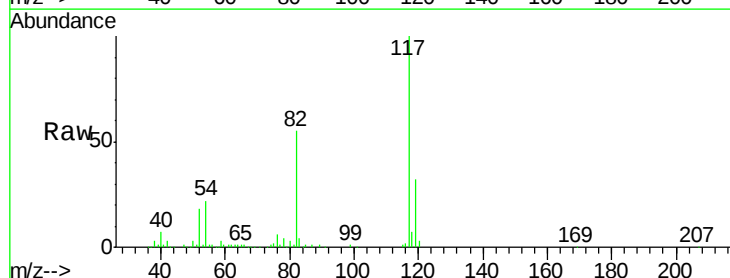
Instrument :
MSVOA_Y
ClientSampleId :
BW-1A-45.0

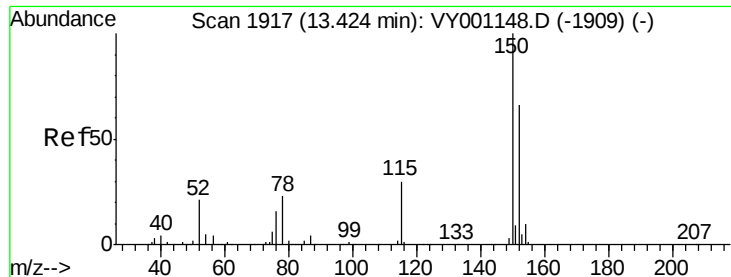
Tgt Ion: 95 Resp: 52629
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.2
176 70.7 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.02 min
Lab File: VY001277.D
Acq: 17 Jan 2020 19:46

Tgt Ion: 117 Resp: 110700
Ion Ratio Lower Upper
117 100
82 55.2 44.9 67.3
119 32.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.02 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

Instrument :

MSVOA_Y

ClientSampleId :

BW-1A-45.0

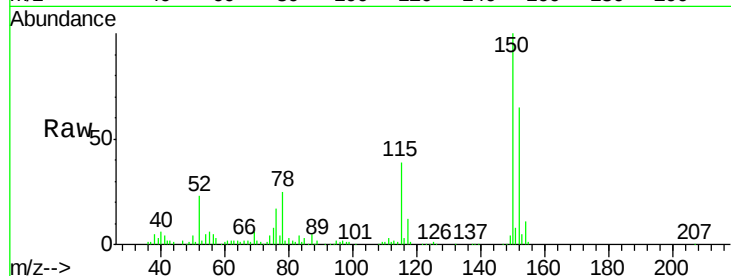
Tgt Ion:152 Resp: 49014

Ion Ratio Lower Upper

152 100

115 60.2 30.9 92.5

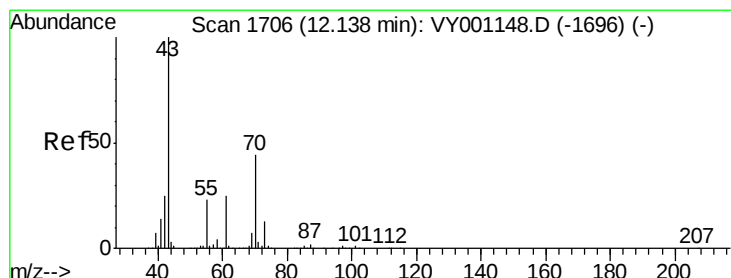
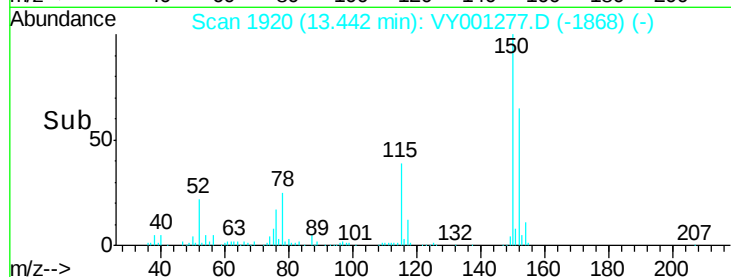
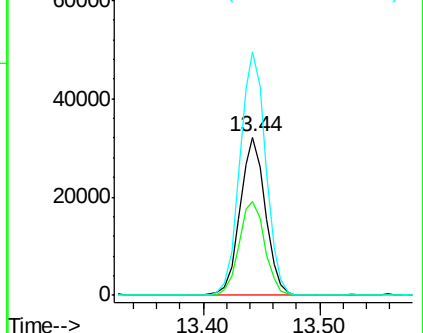
150 155.9 0.0 346.8



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



#74

N-ethyl acetate

Concen: 1.78 ug/l

RT: 12.10 min Scan# 1700

Delta R.T. -0.04 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

Tgt Ion: 43 Resp: 2048

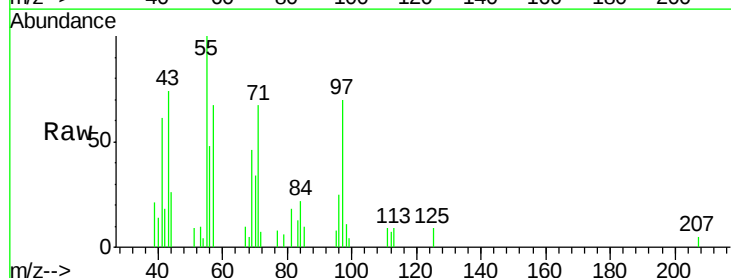
Ion Ratio Lower Upper

43 100

70 51.2 35.0 52.6

55 127.2 18.4 27.6#

61 0.0 20.1 30.1#

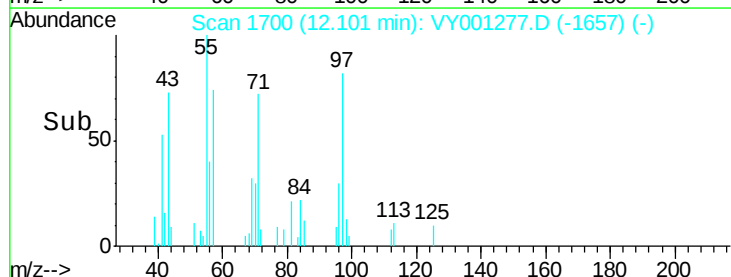
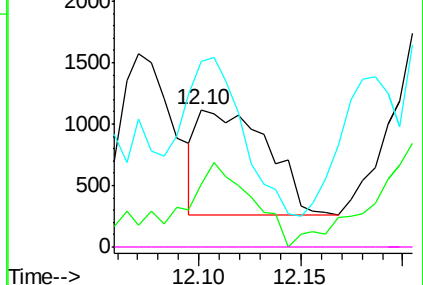


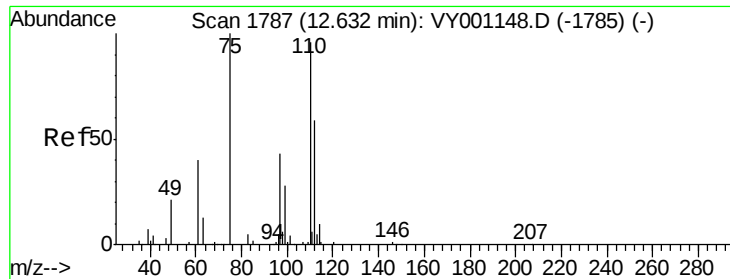
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

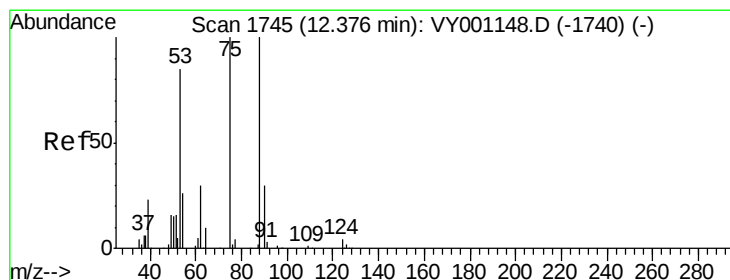
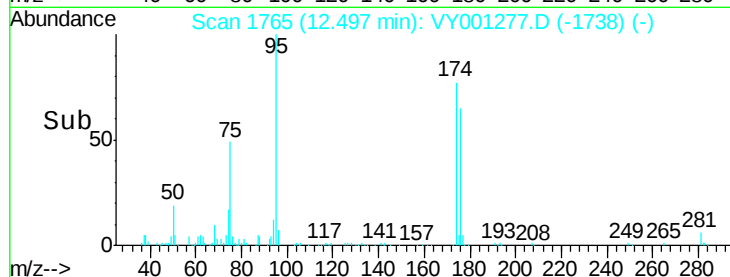
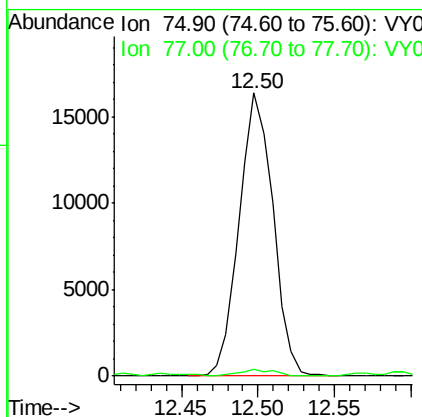
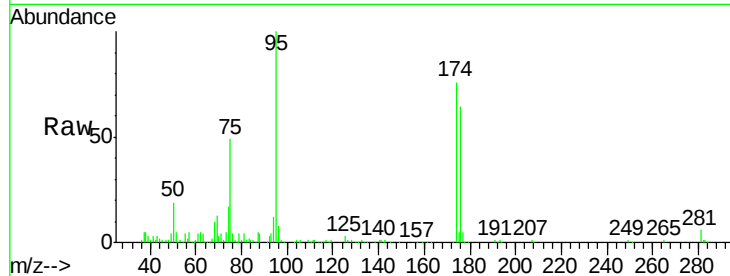




#76
 1,2,3-Trichloropropane
 Concen: 48.07 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. -0.13 min
 Lab File: VY001277.D
 Acq: 17 Jan 2020 19:46

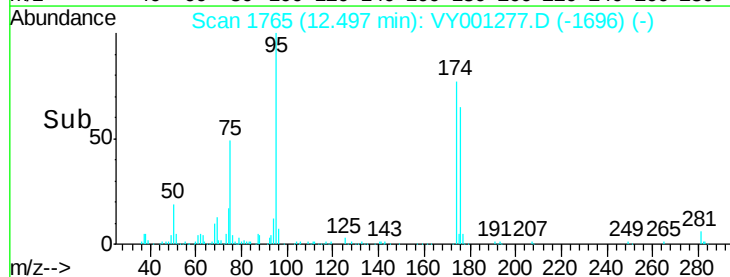
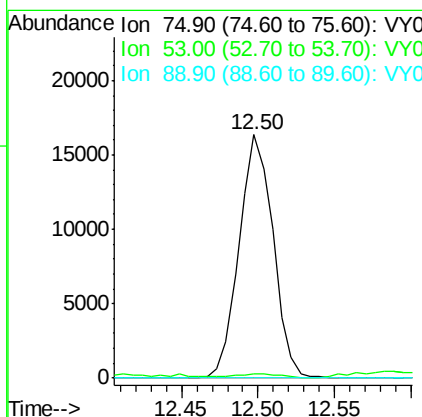
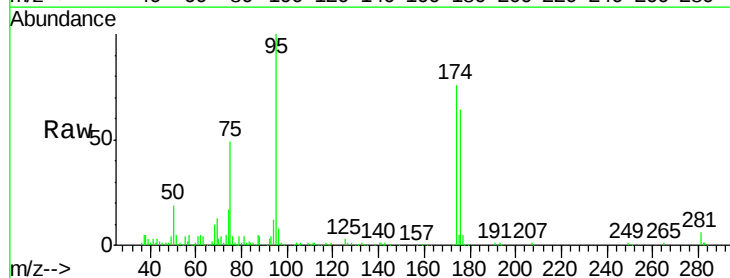
Instrument :
 MSVOA_Y
 ClientSampleId :
 BW-1A-45.0

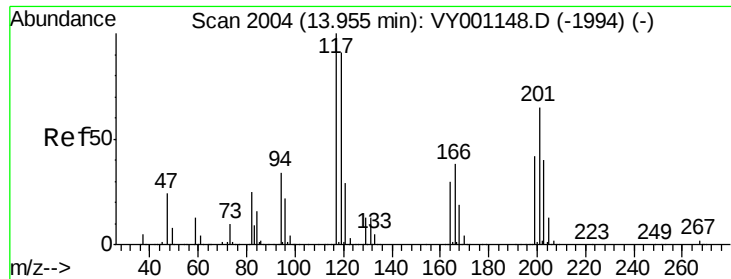
Tgt Ion: 75 Resp: 25221
 Ion Ratio Lower Upper
 75 100
 77 2.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.51 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.12 min
 Lab File: VY001277.D
 Acq: 17 Jan 2020 19:46

Tgt Ion: 75 Resp: 25221
 Ion Ratio Lower Upper
 75 100
 53 2.7 69.4 104.2#
 89 0.0 0.0 0.0





#90

Hexachloroethane

Concen: 1.11 ug/l

RT: 13.99 min Scan# 2010

Delta R.T. 0.04 min

Lab File: VY001277.D

Acq: 17 Jan 2020 19:46

Instrument :

MSVOA_Y

ClientSampleId :

BW-1A-45.0

Tgt Ion:117 Resp: 703

Ion Ratio Lower Upper

117 100

201 0.0 35.4 106.2#

