

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011720\
 Data File : VY001287.D
 Acq On : 17 Jan 2020 23:28
 Operator : SY/MD
 Sample : L1188-03
 Misc : 7.28G/5ML/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B2-15-30

Quant Time: Jan 18 03:28:40 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	7.84	168	186817	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.73	114	336451	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.52	117	298809	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.44	152	130885	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.19	65	105914	53.68	ug/l	0.04
Spiked Amount 50.000			Recovery	=	107.36%	
35) Dibromofluoromethane	7.77	113	98857	50.18	ug/l	0.04
Spiked Amount 50.000			Recovery	=	100.36%	
50) Toluene-d8	10.21	98	393376	51.83	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.50	95	139545	44.97	ug/l	0.02
Spiked Amount 50.000			Recovery	=	89.94%	

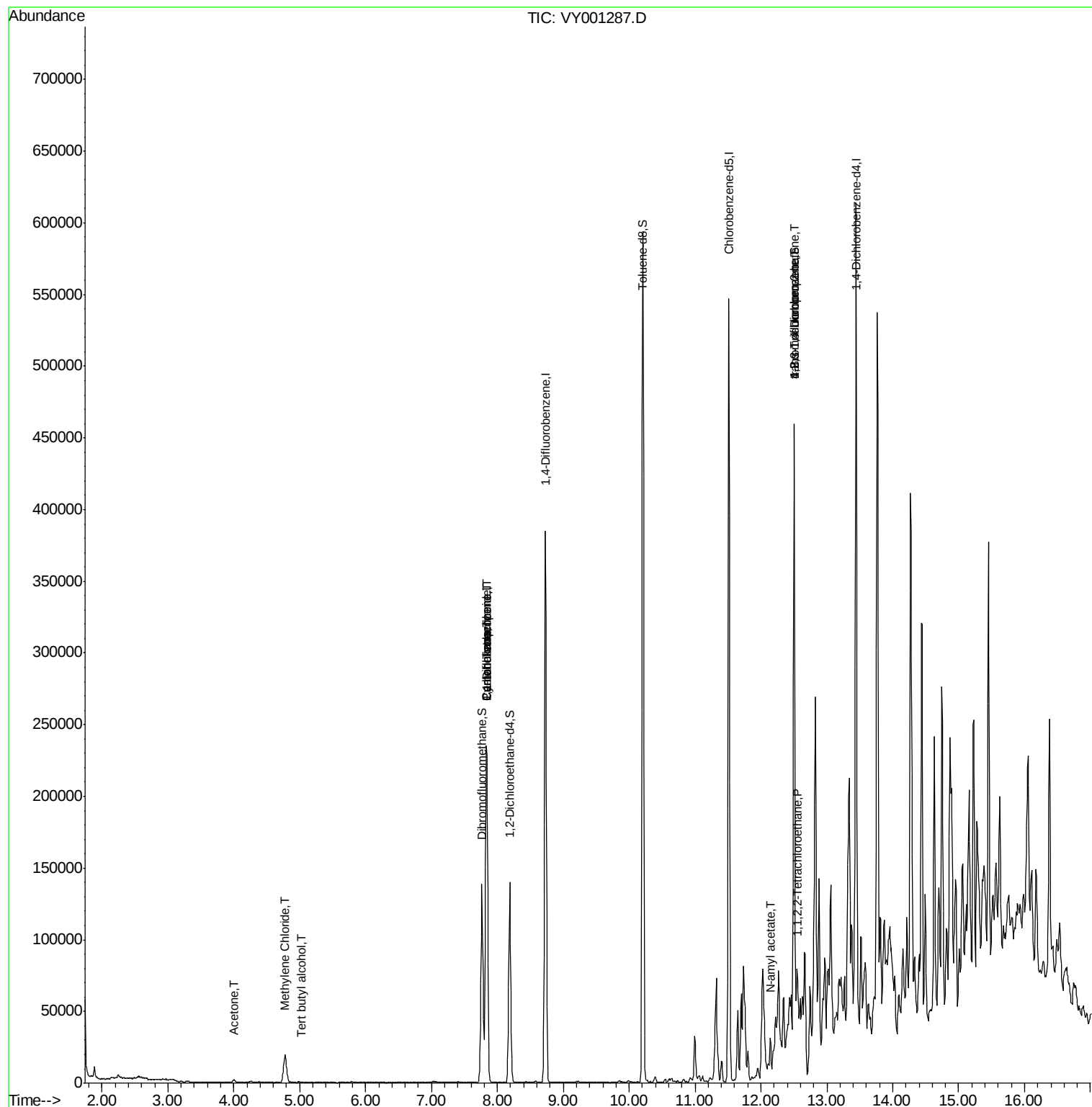
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.02	59	882	4.44	ug/l #	73
16) Acetone	4.00	43	3273	7.14	ug/l #	86
20) Methylene Chloride	4.77	84	15543	1.97	ug/l	96
31) Cyclohexane	7.83	56	3903	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.83	75	14469	4.72	ug/l #	49
38) Carbon Tetrachloride	7.83	117	17502	6.23	ug/l #	16
74) N-amyl acetate	12.14	43	4923	1.60	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.56	83	4521	2.18	ug/l #	64
76) 1,2,3-Trichloropropane	12.50	75	68401	48.82	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	68401	82.79	ug/l #	7

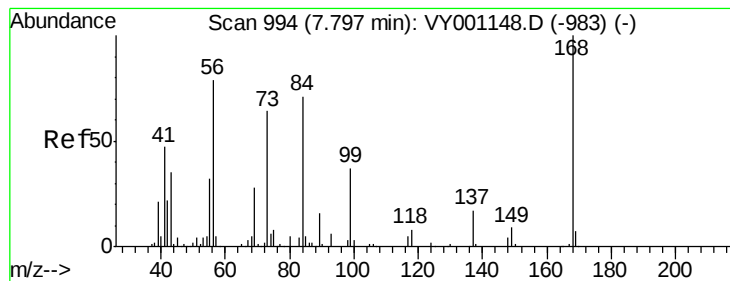
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY011720\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.84 min Scan# 1001

Delta R.T. 0.04 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

Instrument :

MSVOA_Y

ClientSampleId :

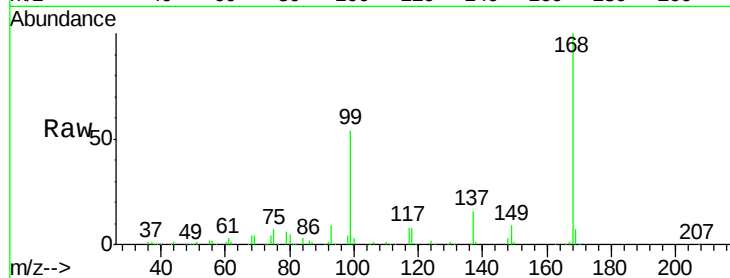
B2-15-30

Tgt Ion:168 Resp: 186817

Ion Ratio Lower Upper

168 100

99 53.5 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) (-)

7.84

80000

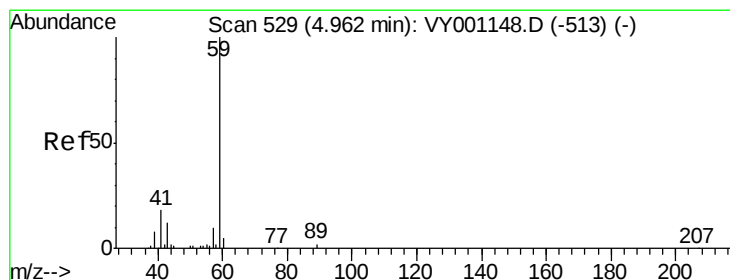
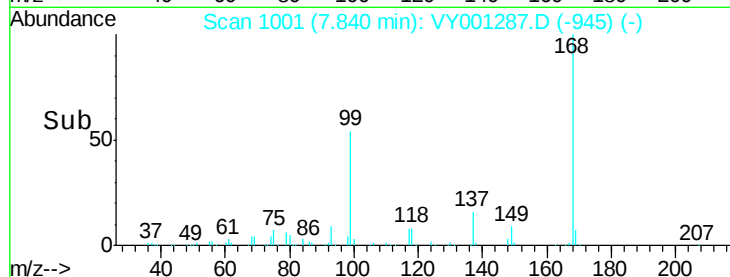
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 4.44 ug/l

RT: 5.02 min Scan# 538

Delta R.T. 0.05 min

Lab File: VY001287.D

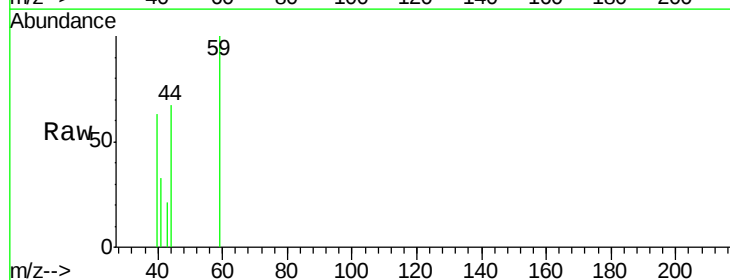
Acq: 17 Jan 2020 23:28

Tgt Ion: 59 Resp: 882

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) (-)

5.02

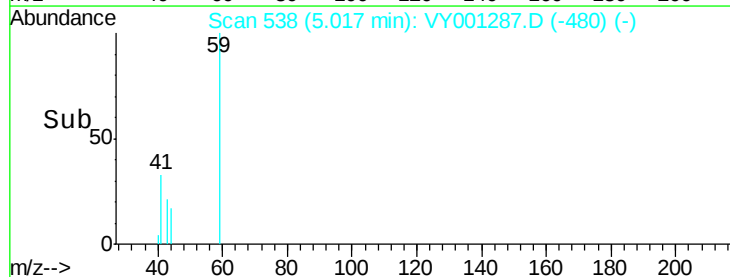
300

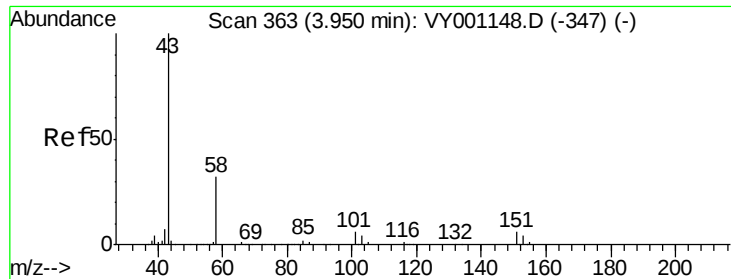
200

100

0

Time--> 4.95 5.00 5.05 5.10





#16

Acetone

Concen: 7.14 ug/l

RT: 4.00 min Scan# 371

Delta R.T. 0.05 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

Instrument :

MSVOA_Y

ClientSampleId :

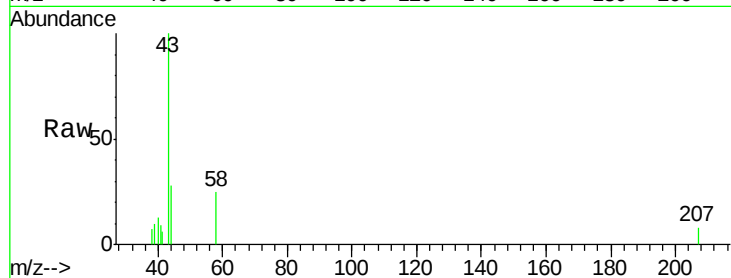
B2-15-30

Tgt Ion: 43 Resp: 3273

Ion Ratio Lower Upper

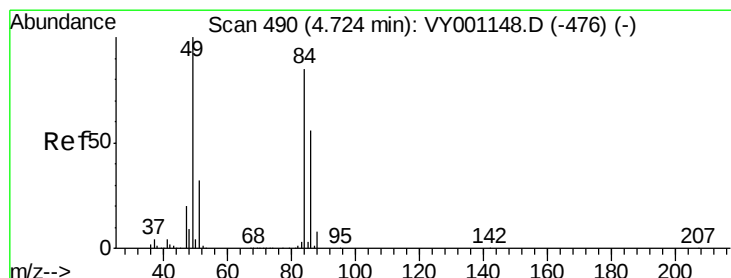
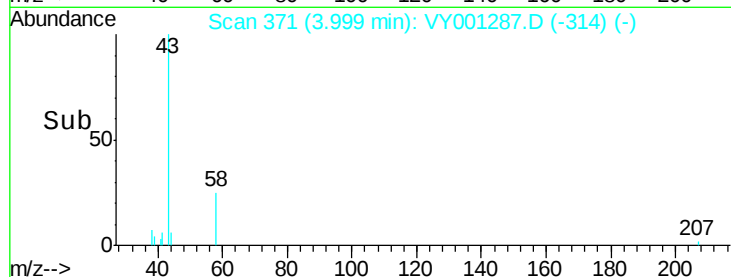
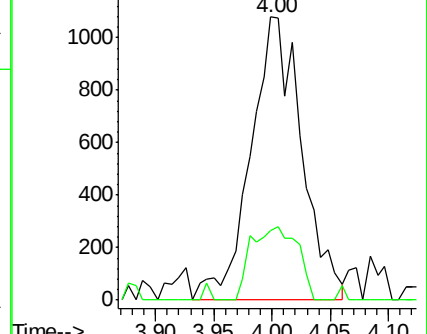
43 100

58 24.6 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 1.97 ug/l

RT: 4.77 min Scan# 498

Delta R.T. 0.05 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

Tgt Ion: 84 Resp: 15543

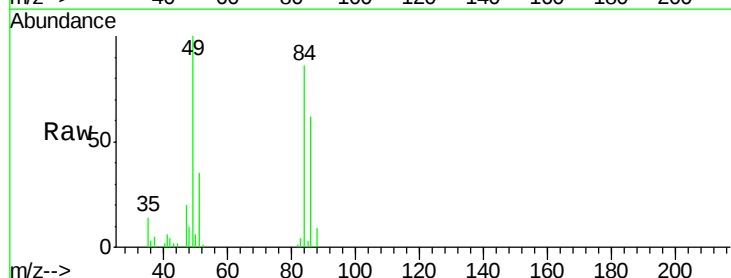
Ion Ratio Lower Upper

84 100

49 116.4 93.8 140.6

51 40.8 29.9 44.9

86 71.9 52.6 78.8

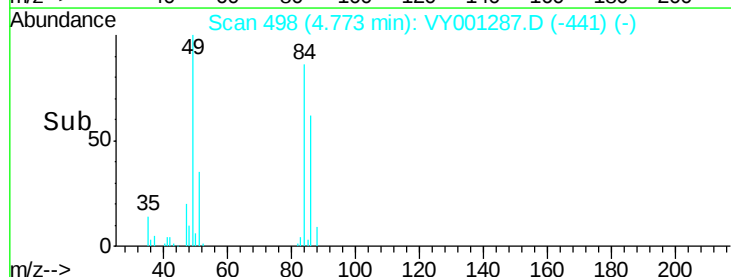
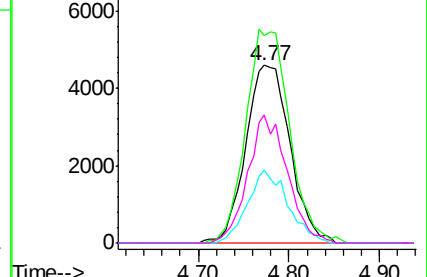


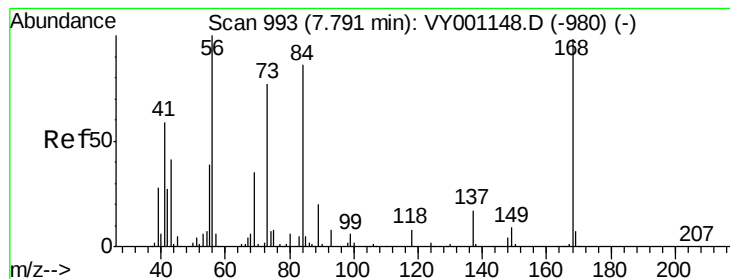
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.02 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. 0.04 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

Instrument :

MSVOA_Y

ClientSampleId :

B2-15-30

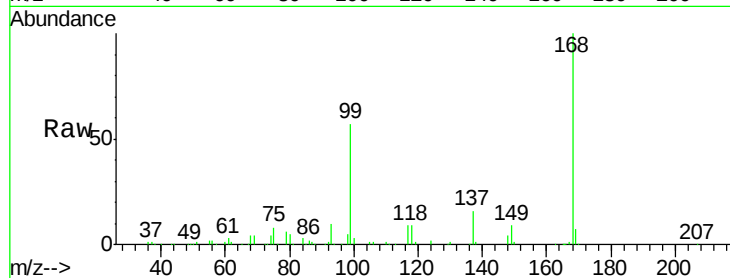
Tgt Ion: 56 Resp: 3903

Ion Ratio Lower Upper

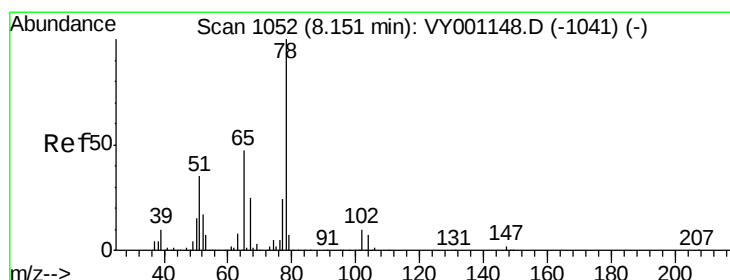
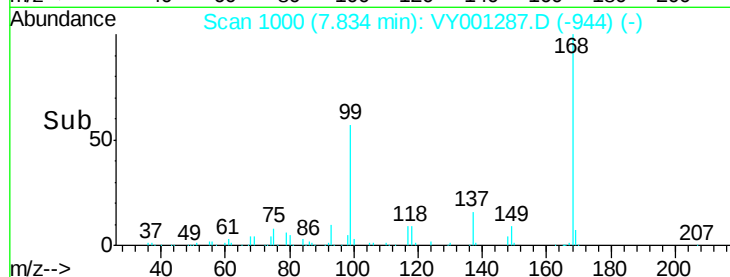
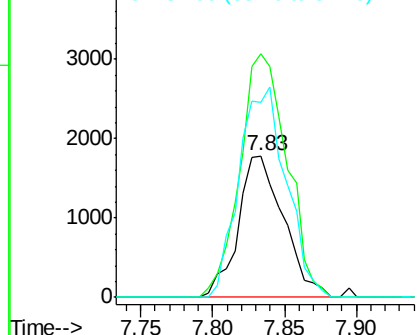
56 100

69 172.1 27.8 41.8#

84 137.8 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: 53.68 ug/l

RT: 8.19 min Scan# 1058

Delta R.T. 0.04 min

Lab File: VY001287.D

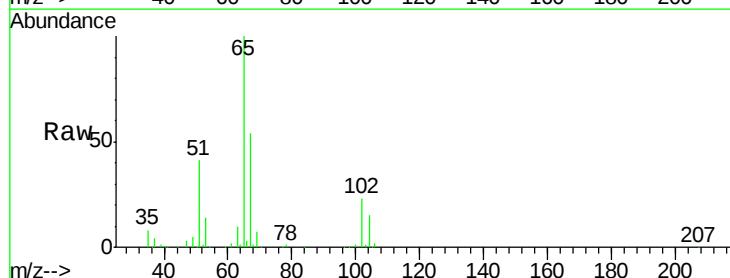
Acq: 17 Jan 2020 23:28

Tgt Ion: 65 Resp: 105914

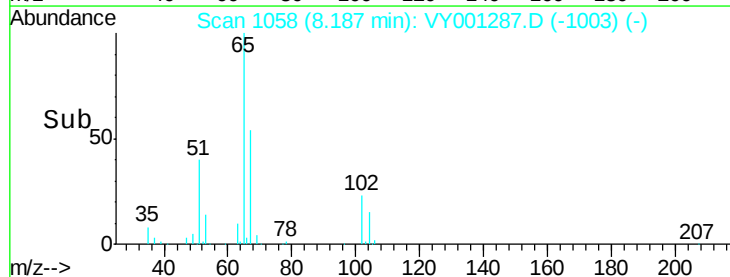
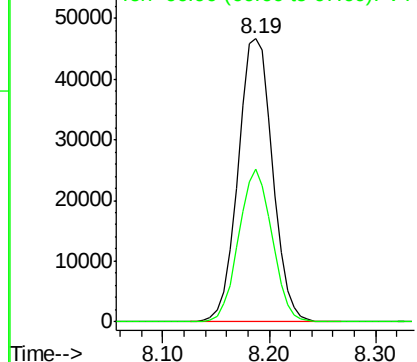
Ion Ratio Lower Upper

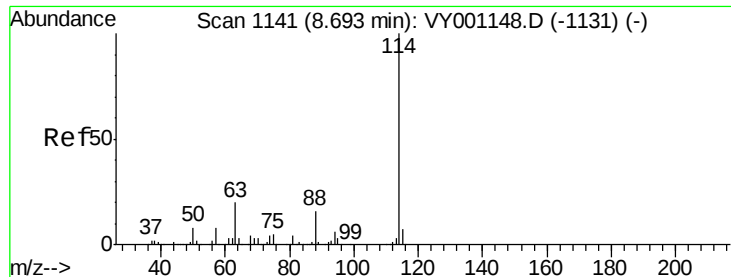
65 100

67 52.4 0.0 105.2



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

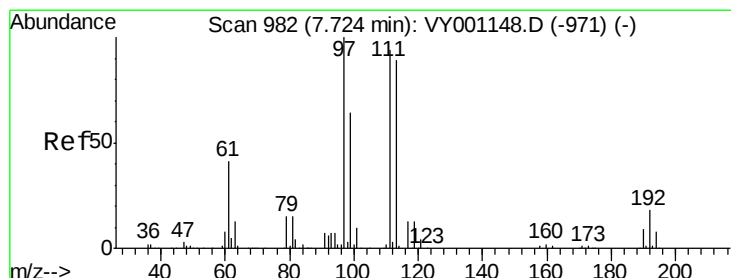
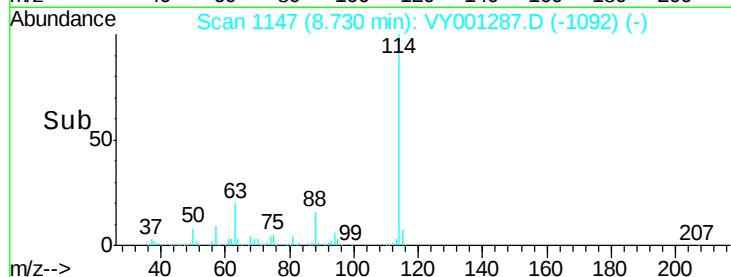
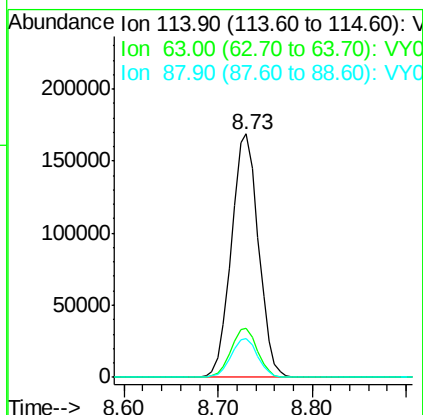
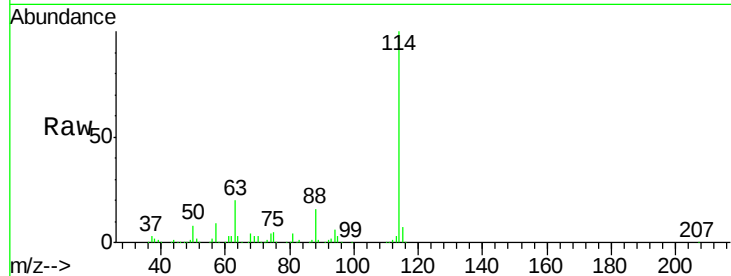




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.73 min Scan# 1147
 Delta R.T. 0.04 min
 Lab File: VY001287.D
 Acq: 17 Jan 2020 23:28

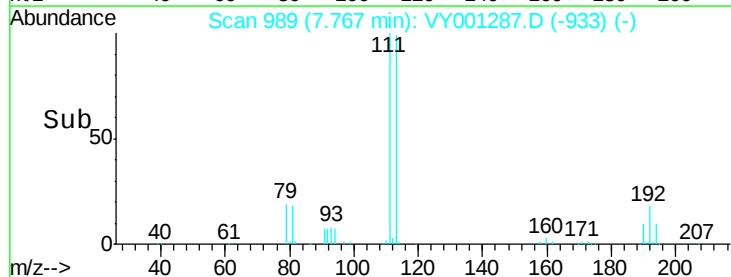
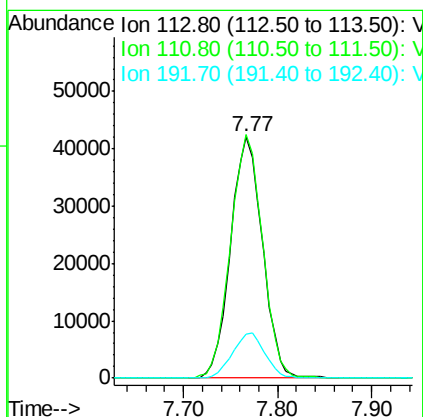
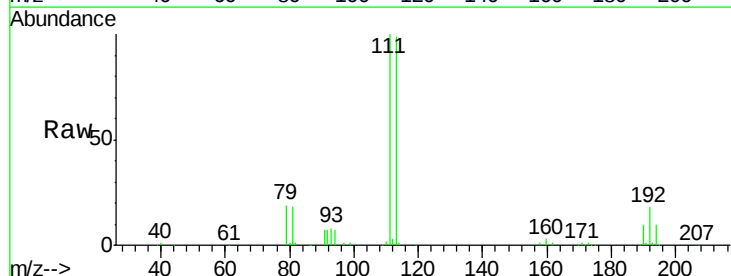
Instrument :
 MSVOA_Y
 ClientSampleId :
 B2-15-30

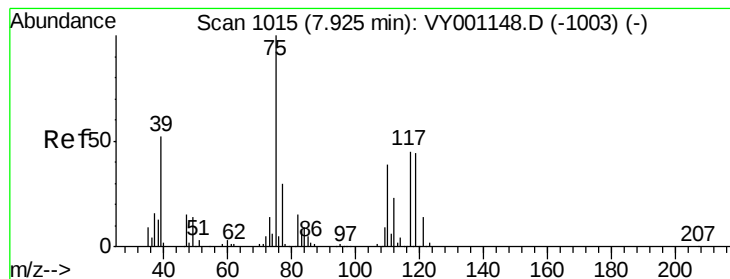
Tgt Ion:114 Resp: 336451
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 16.2 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 50.18 ug/l
 RT: 7.77 min Scan# 989
 Delta R.T. 0.04 min
 Lab File: VY001287.D
 Acq: 17 Jan 2020 23:28

Tgt Ion:113 Resp: 98857
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.9 124.3
 192 19.2 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.72 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. -0.09 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

Instrument :

MSVOA_Y

ClientSampleId :

B2-15-30

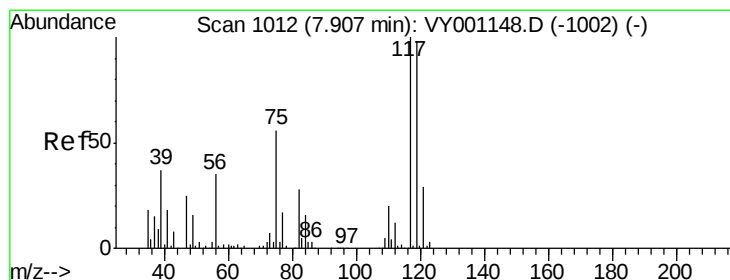
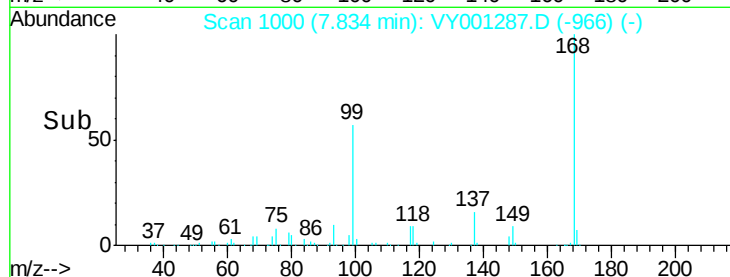
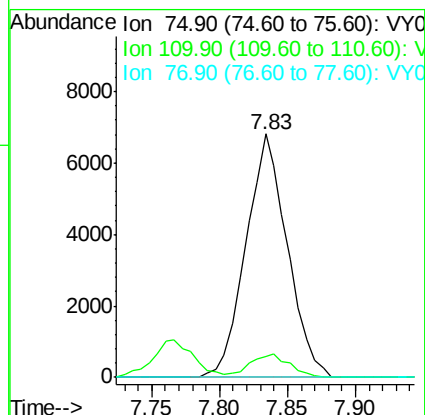
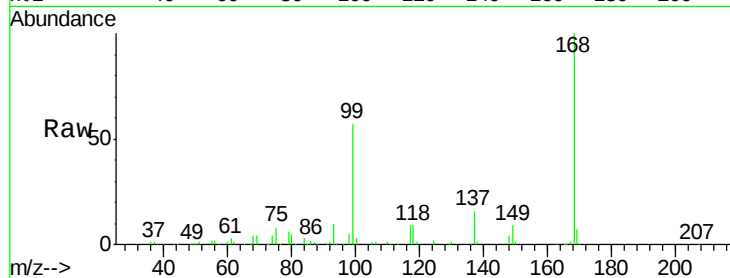
Tgt Ion: 75 Resp: 14469

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.23 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. -0.07 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

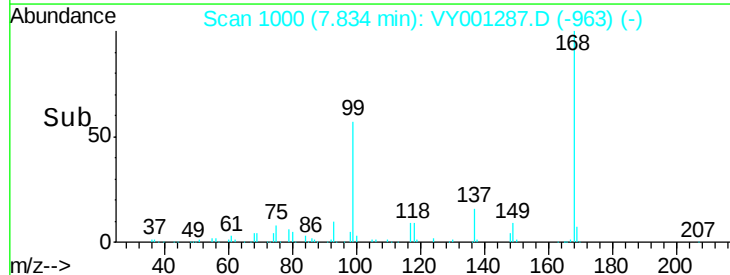
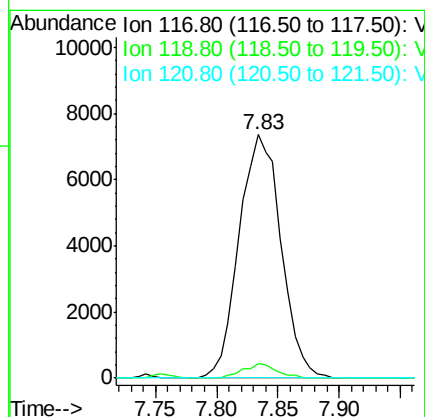
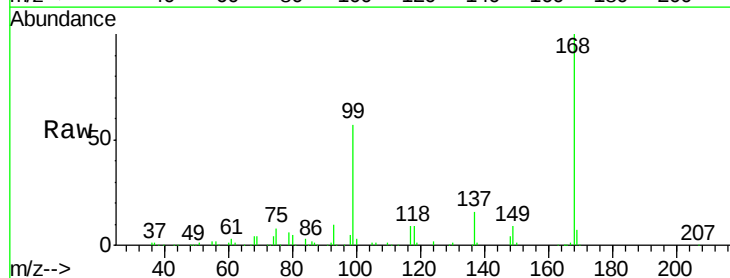
Tgt Ion: 117 Resp: 17502

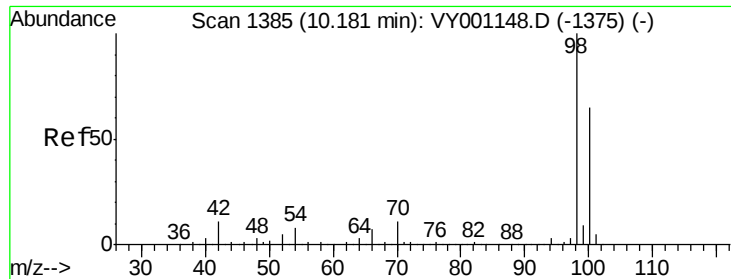
Ion Ratio Lower Upper

117 100

119 5.9 78.3 117.5#

121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 51.83 ug/l

RT: 10.21 min Scan# 1389

Delta R.T. 0.02 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

Instrument :

MSVOA_Y

ClientSampled :

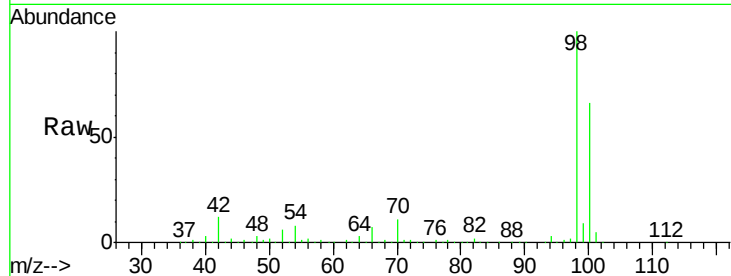
B2-15-30

Tgt Ion: 98 Resp: 393376

Ion Ratio Lower Upper

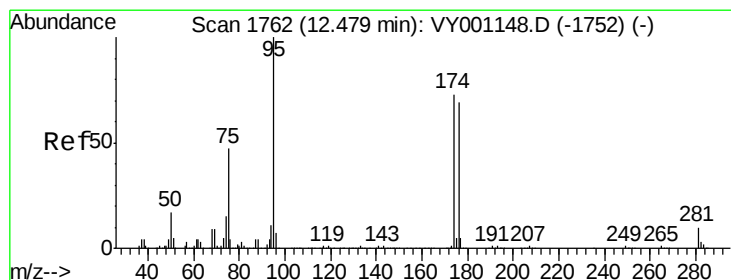
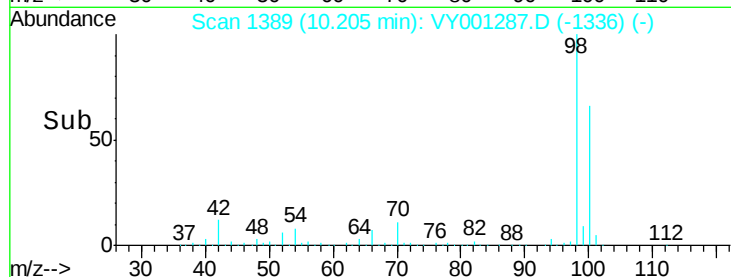
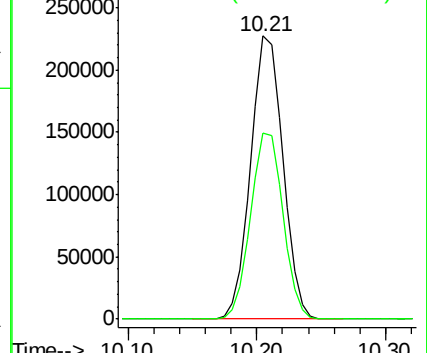
98 100

100 66.0 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: 44.97 ug/l

RT: 12.50 min Scan# 1766

Delta R.T. 0.02 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

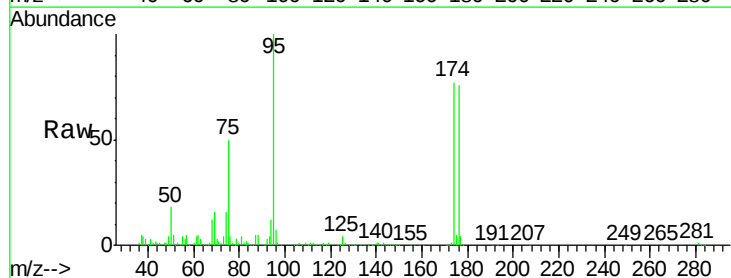
Tgt Ion: 95 Resp: 139545

Ion Ratio Lower Upper

95 100

174 75.0 0.0 143.2

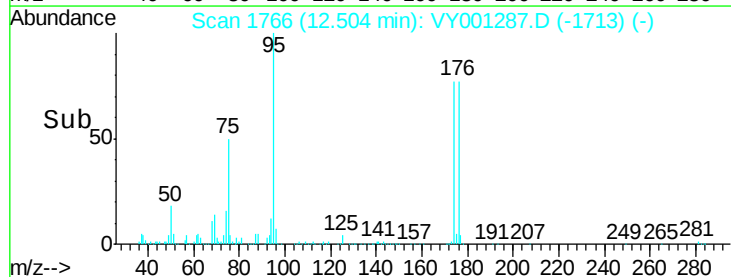
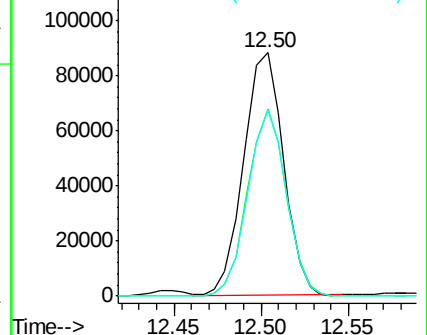
176 74.2 0.0 136.0

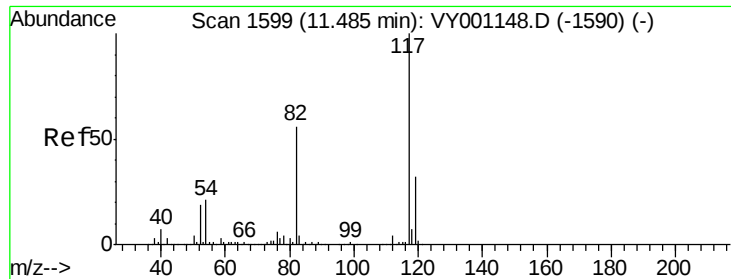


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

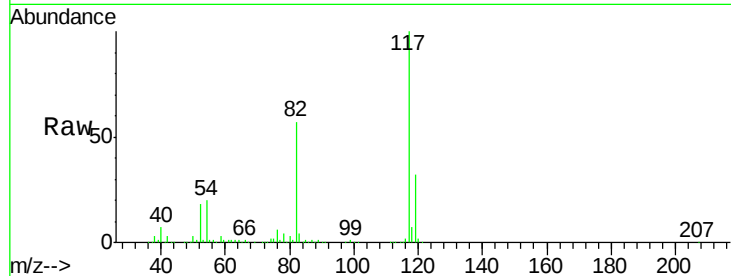




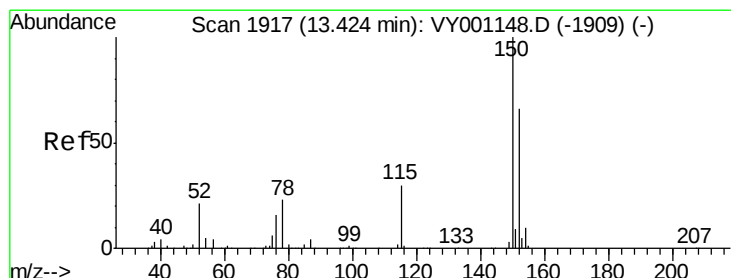
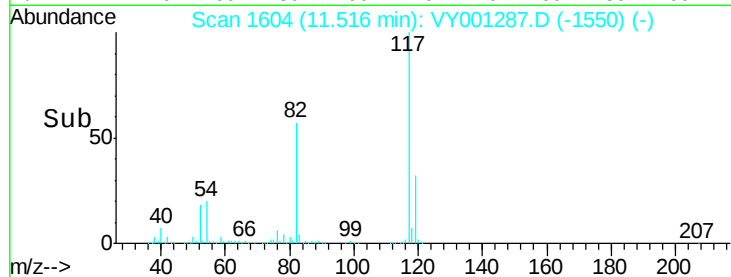
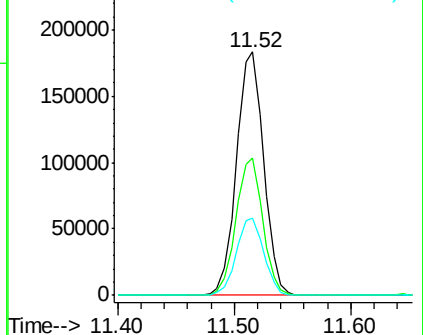
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.03 min
Lab File: VY001287.D
Acq: 17 Jan 2020 23:28

Instrument :
MSVOA_Y
ClientSampleId :
B2-15-30

Tgt Ion:117 Resp: 298809
Ion Ratio Lower Upper
117 100
82 56.5 44.9 67.3
119 31.9 25.7 38.5

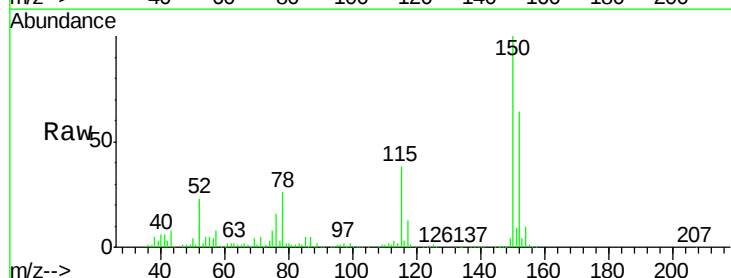


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

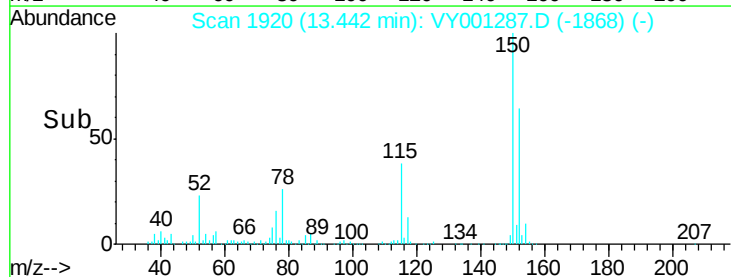
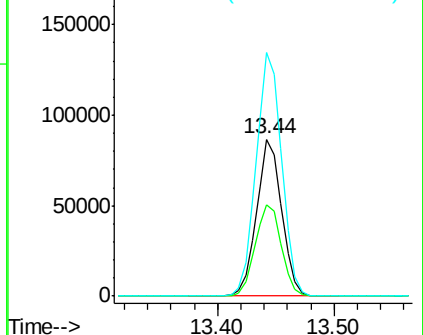


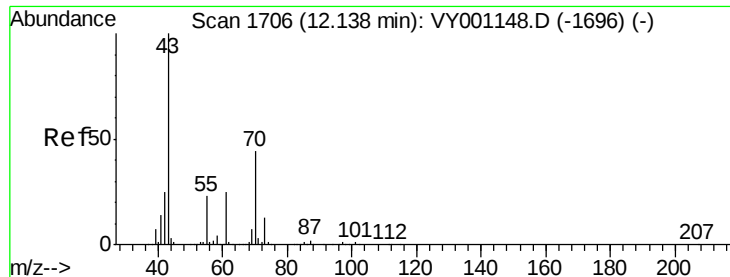
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.02 min
Lab File: VY001287.D
Acq: 17 Jan 2020 23:28

Tgt Ion:152 Resp: 130885
Ion Ratio Lower Upper
152 100
115 60.1 30.9 92.5
150 157.8 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: 1.60 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

Instrument :

MSVOA_Y

ClientSampled :

B2-15-30

Tgt Ion: 43 Resp: 4923

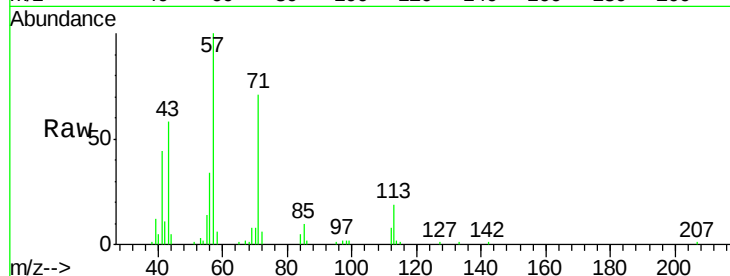
Ion Ratio Lower Upper

43 100

70 10.5 35.0 52.6#

55 0.0 18.4 27.6#

61 0.0 20.1 30.1#

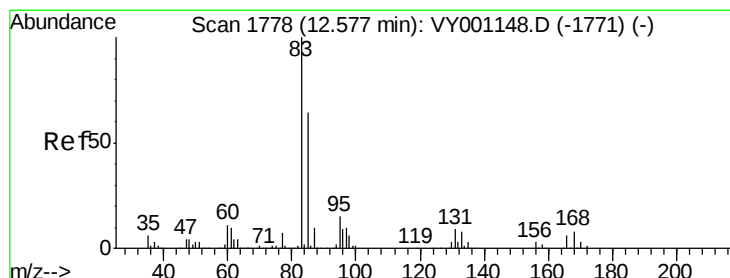
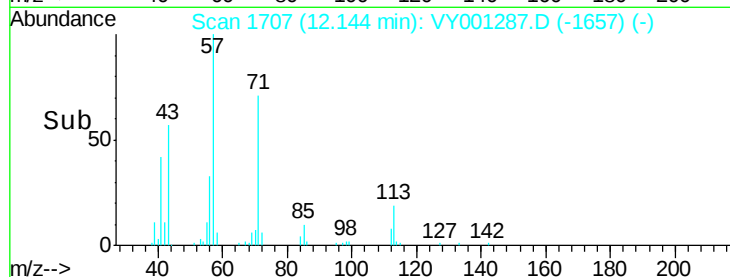
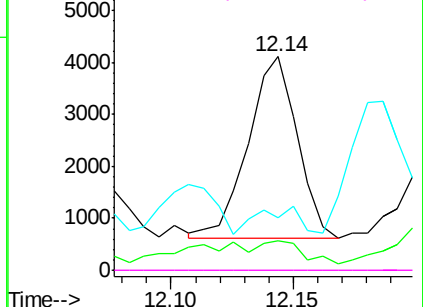


Abundance Ion 43.00 (42.70 to 43.70): VY0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.18 ug/l

RT: 12.56 min Scan# 1776

Delta R.T. -0.01 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

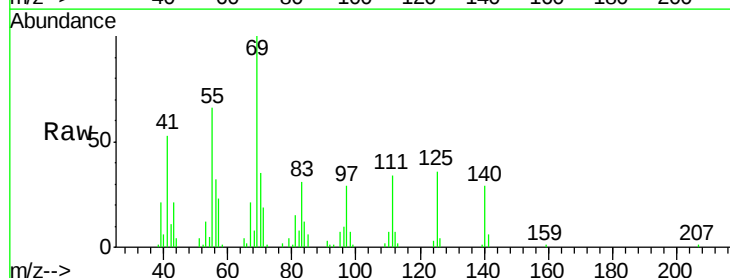
Tgt Ion: 83 Resp: 4521

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

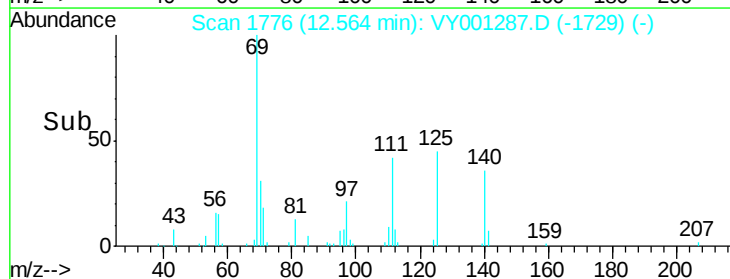
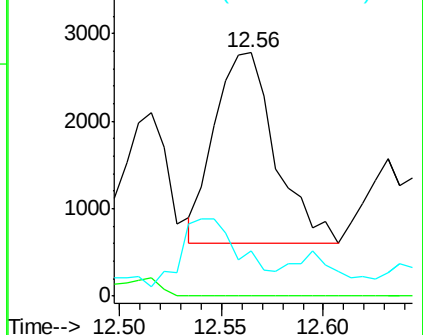
85 35.0 32.2 96.6

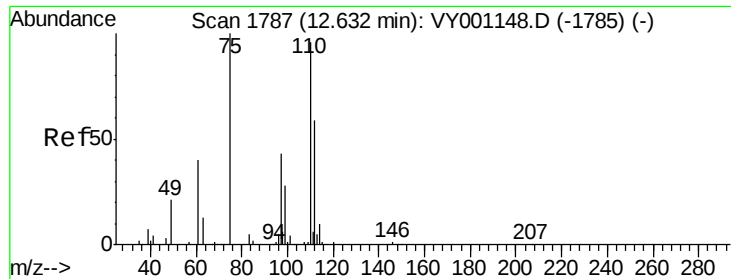


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VY0





#76

1,2,3-Trichloropropane

Concen: 48.82 ug/l

RT: 12.50 min Scan# 1766

Delta R.T. -0.13 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

Instrument :

MSVOA_Y

ClientSampleId :

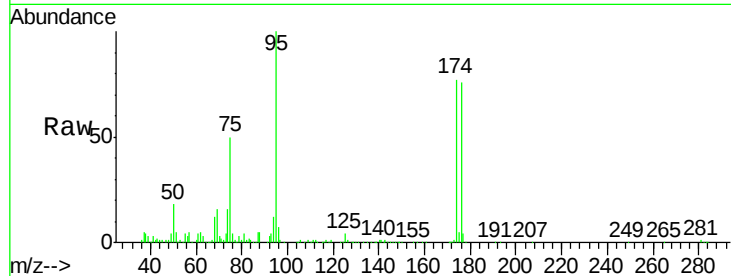
B2-15-30

Tgt Ion: 75 Resp: 68401

Ion Ratio Lower Upper

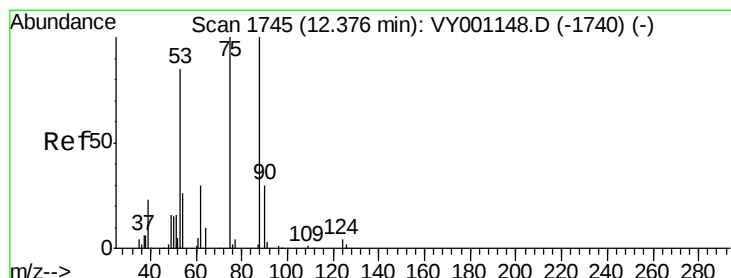
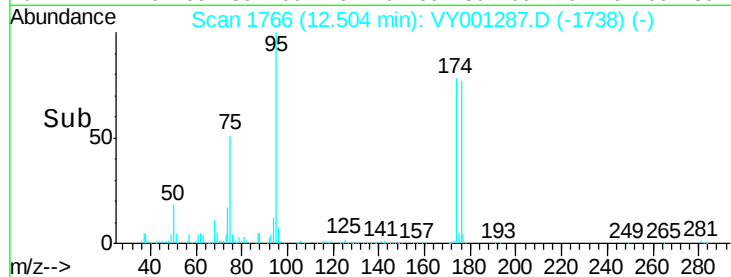
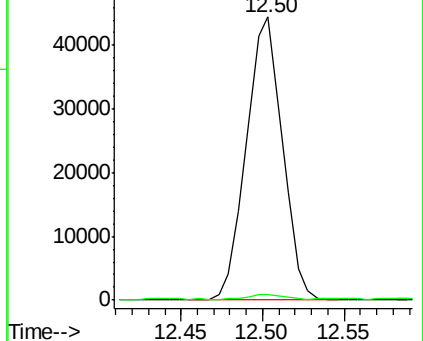
75 100

77 1.7 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: 82.79 ug/l

RT: 12.50 min Scan# 1766

Delta R.T. 0.13 min

Lab File: VY001287.D

Acq: 17 Jan 2020 23:28

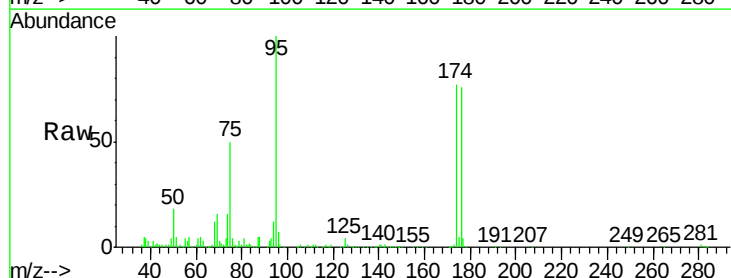
Tgt Ion: 75 Resp: 68401

Ion Ratio Lower Upper

75 100

53 0.8 69.4 104.2#

89 0.1 0.0 0.0#



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

