

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022620\
 Data File : VY001780.D
 Acq On : 26 Feb 2020 13:14
 Operator : SY/MD
 Sample : L1679-04
 Misc : 8.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-12.5-13

Quant Time: Feb 26 15:32:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	150328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	285705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	262510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117048	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	92389	57.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.28%	
35) Dibromofluoromethane	7.74	113	84247	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.19	98	344348	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
62) 4-Bromofluorobenzene	12.49	95	118684	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	

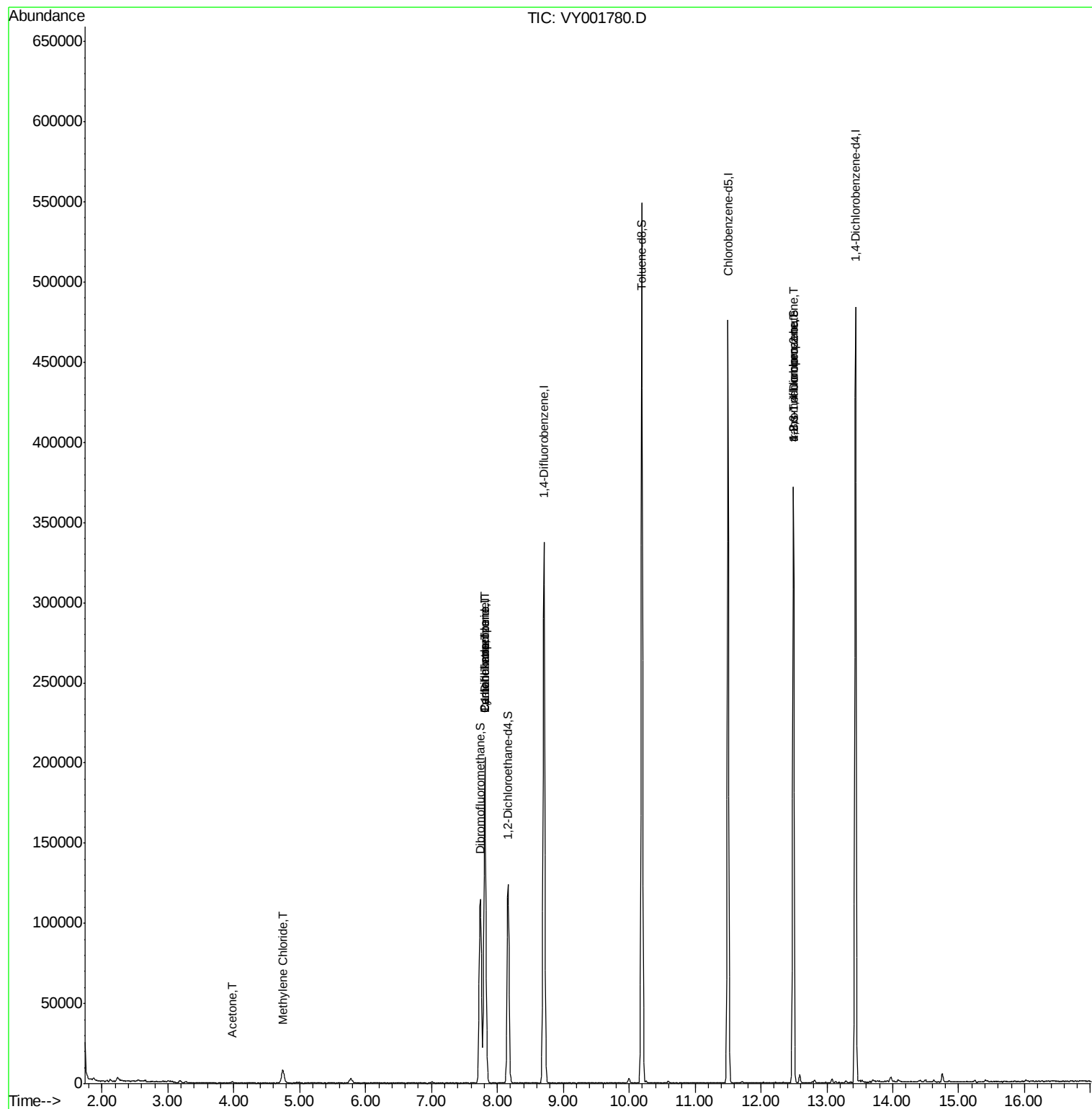
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	653	Below Cal	#	86
16) Acetone	3.98	43	1463	2.61	ug/l #	72
20) Methylene Chloride	4.74	84	6148	3.09	ug/l #	94
31) Cyclohexane	7.81	56	3689	1.09	ug/l #	31
36) 1,1-Dichloropropene	7.82	75	12888	4.72	ug/l #	49
38) Carbon Tetrachloride	7.81	117	15694	6.55	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	60155	44.80	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60155	85.00	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001780.D

Acq: 26 Feb 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

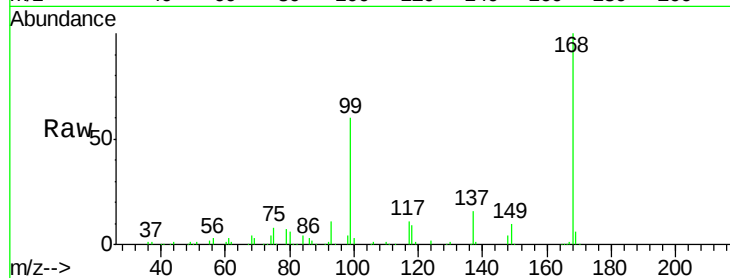
SB-4-12.5-13

Tgt Ion:168 Resp: 150328

Ion Ratio Lower Upper

168 100

99 59.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001780.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001780.D (-948) (-)

7.81

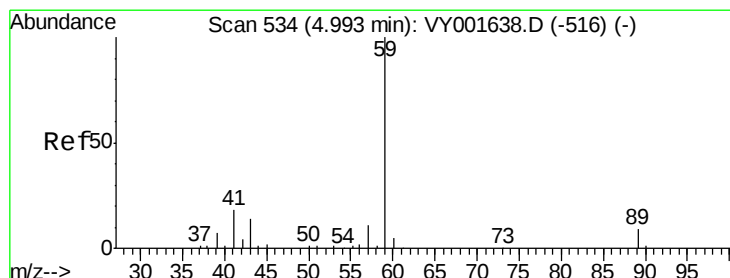
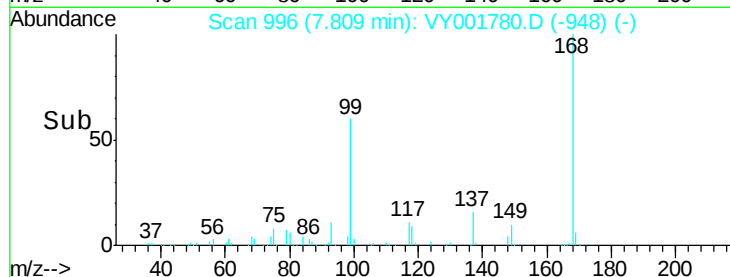
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001780.D

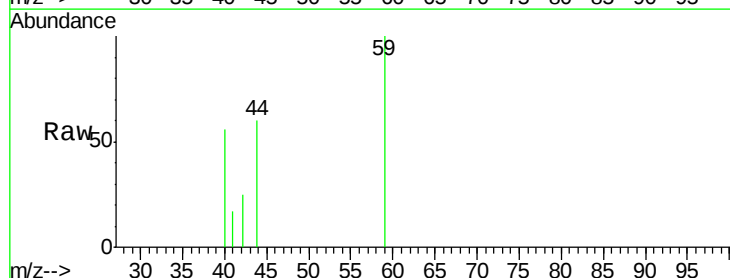
Acq: 26 Feb 2020 13:14

Tgt Ion: 59 Resp: 653

Ion Ratio Lower Upper

59 100

57 14.5 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001780.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001780.D (-485) (-)

4.97

400

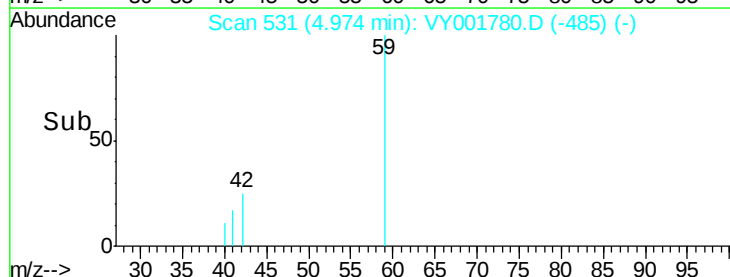
300

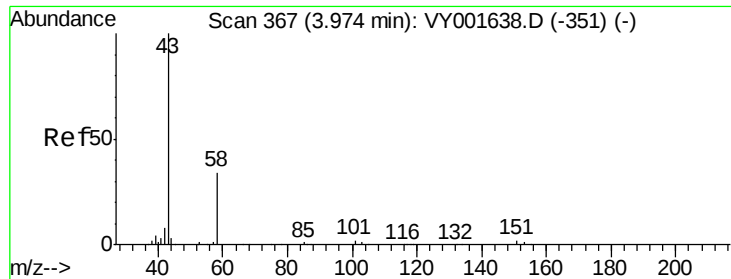
200

100

0

Time--> 4.90 4.95 5.00





#16

Acetone

Concen: 2.61 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001780.D

Acq: 26 Feb 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

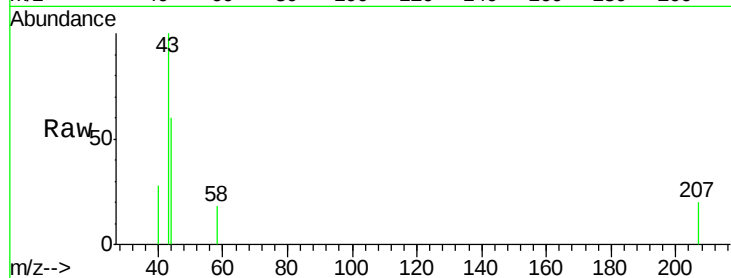
SB-4-12.5-13

Tgt Ion: 43 Resp: 1463

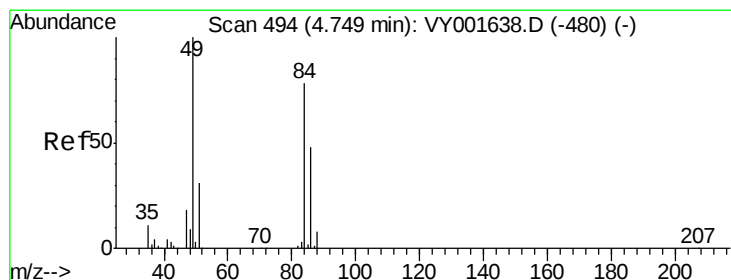
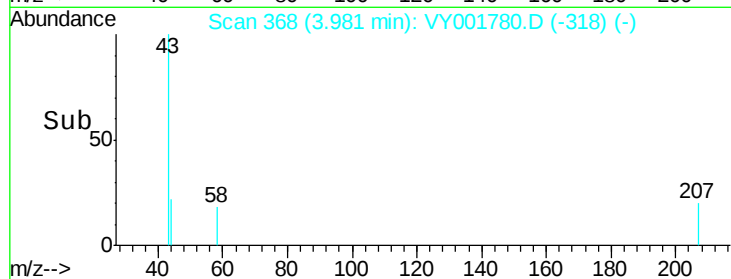
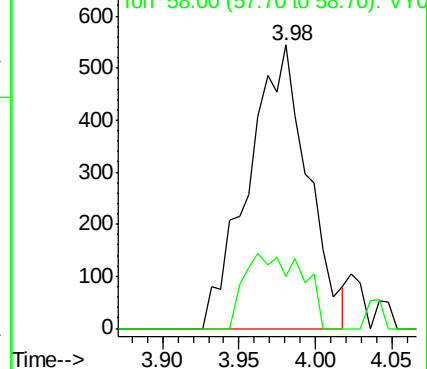
Ion Ratio Lower Upper

43 100

58 18.2 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001780.D (-368) (-)



#20

Methylene Chloride

Concen: 3.09 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY001780.D

Acq: 26 Feb 2020 13:14

Tgt Ion: 84 Resp: 6148

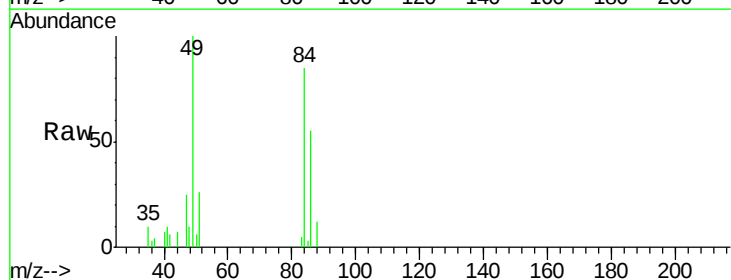
Ion Ratio Lower Upper

84 100

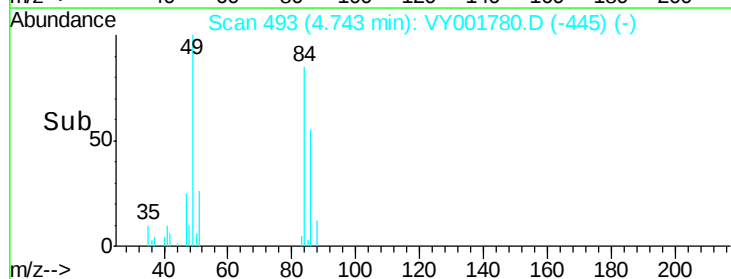
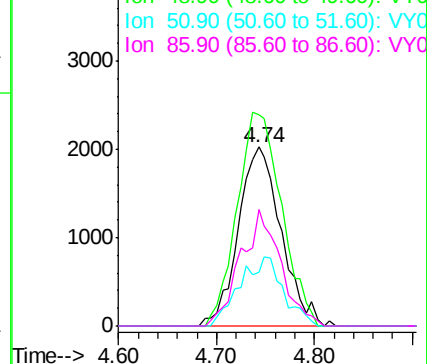
49 118.2 99.2 148.8

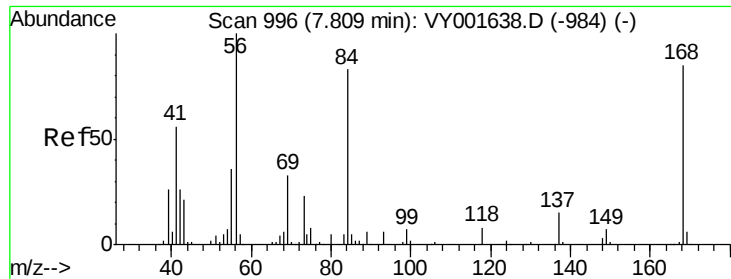
51 30.3 31.5 47.3#

86 65.2 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001780.D (-493) (-)

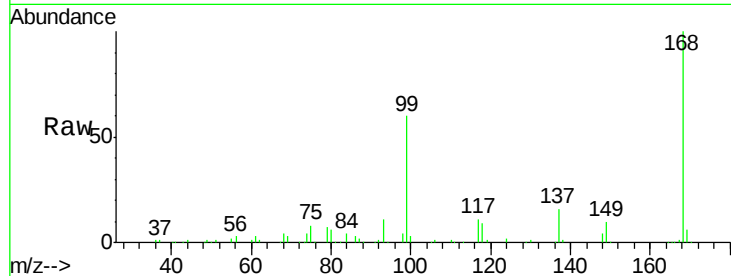




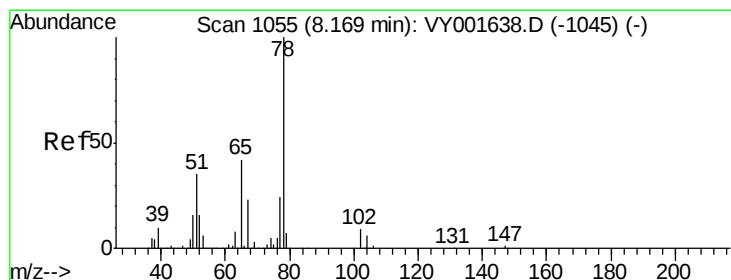
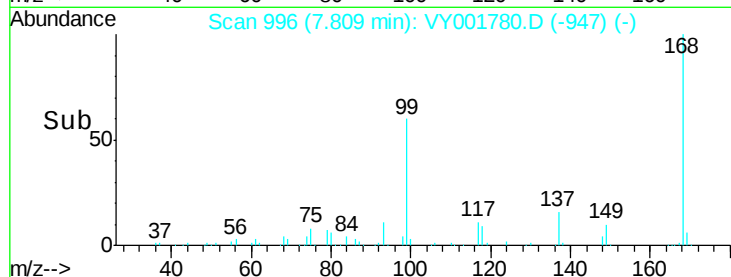
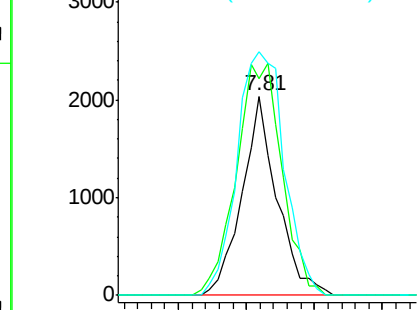
#31
Cyclohexane
Concen: 1.09 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001780.D
Acq: 26 Feb 2020 13:14

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-12.5-13

Tgt Ion: 56 Resp: 3689
Ion Ratio Lower Upper
56 100
69 108.6 25.1 37.7#
84 122.2 66.9 100.3#

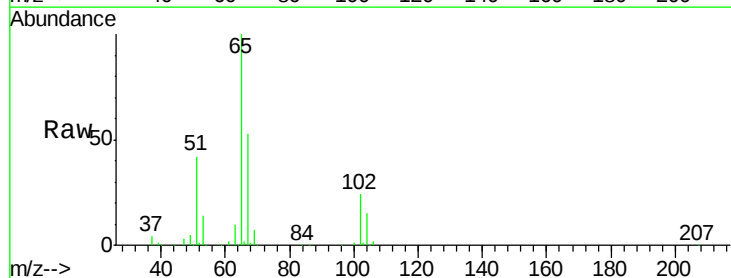


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

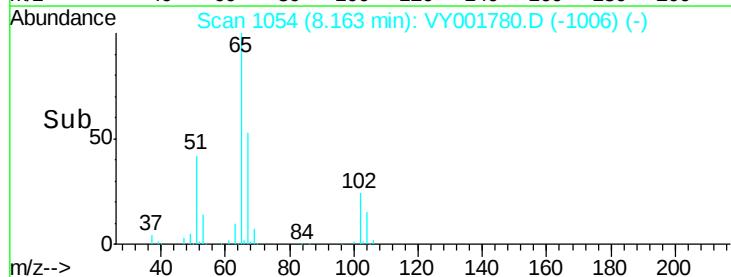
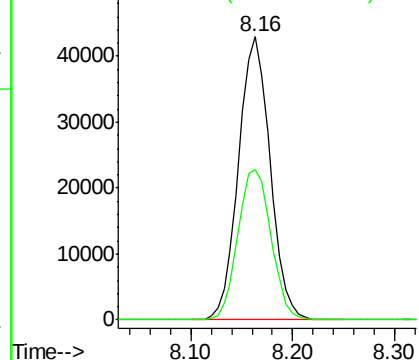


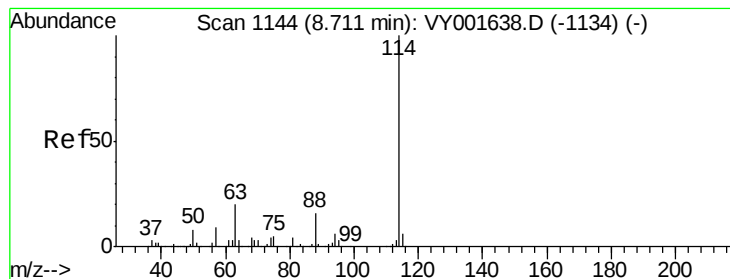
#33
1,2-Dichloroethane-d4
Concen: 57.14 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001780.D
Acq: 26 Feb 2020 13:14

Tgt Ion: 65 Resp: 92389
Ion Ratio Lower Upper
65 100
67 55.5 0.0 111.0



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: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001780.D

Acq: 26 Feb 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-12.5-13

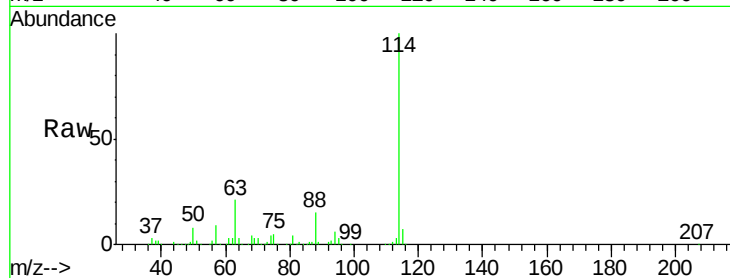
Tgt Ion:114 Resp: 285705

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

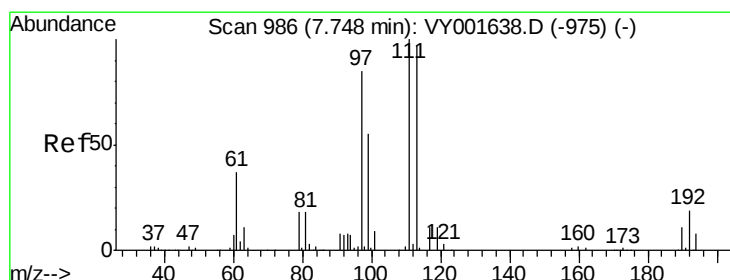
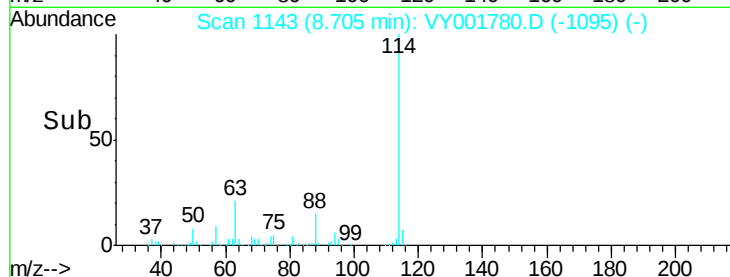
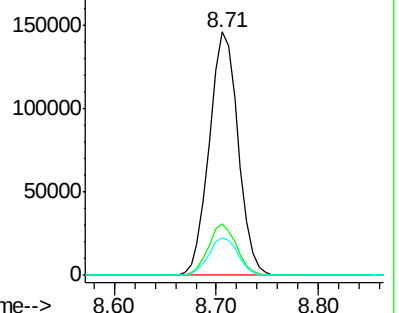
88 15.3 0.0 32.8



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: 51.48 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001780.D

Acq: 26 Feb 2020 13:14

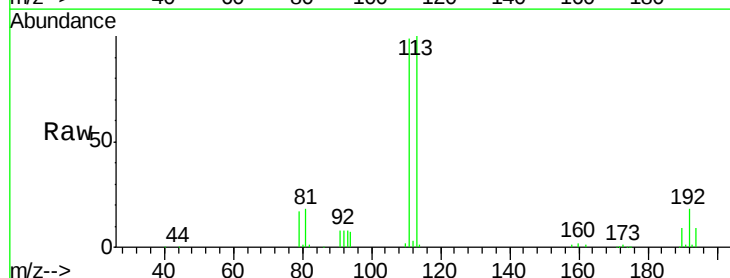
Tgt Ion:113 Resp: 84247

Ion Ratio Lower Upper

113 100

111 100.9 81.9 122.9

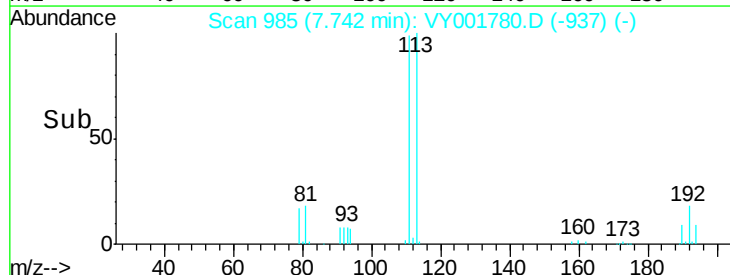
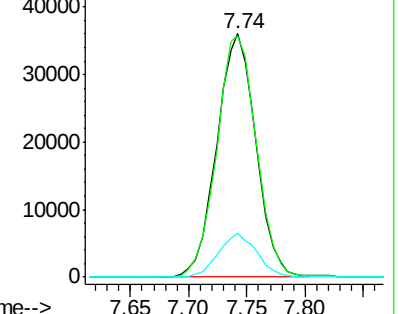
192 17.5 14.3 21.5

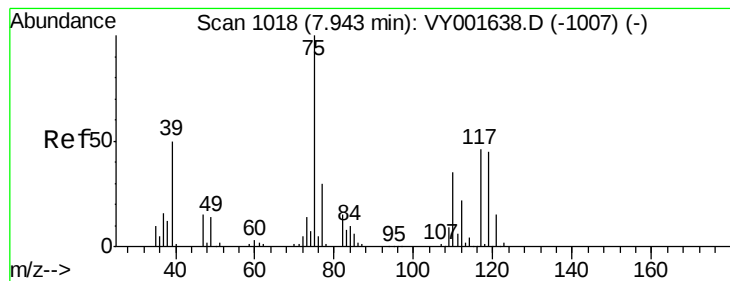


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.72 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001780.D

Acq: 26 Feb 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-12.5-13

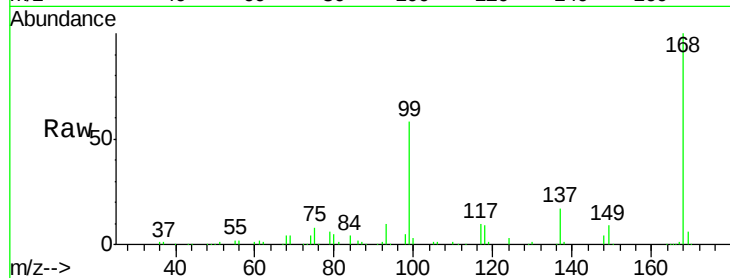
Tgt Ion: 75 Resp: 12888

Ion Ratio Lower Upper

75 100

110 8.0 17.2 51.6#

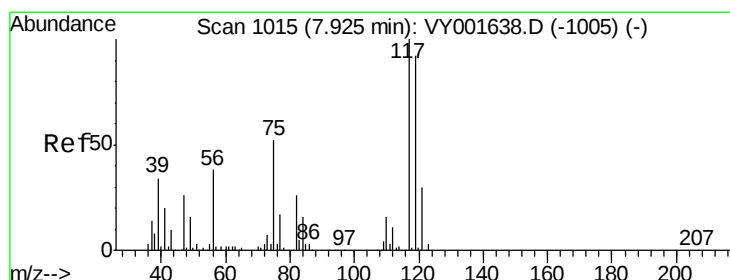
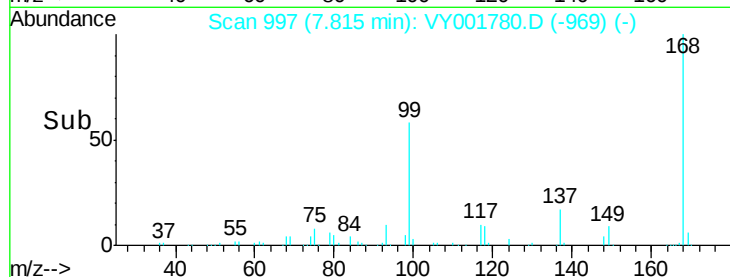
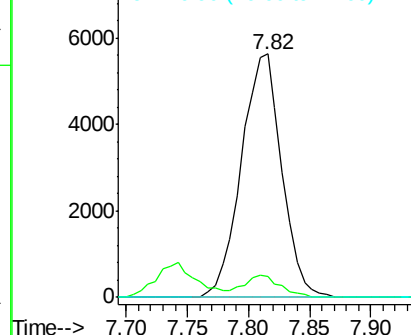
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY001780.D (-969) (-)

Ion 109.90 (109.60 to 110.60): VY001780.D (-969) (-)

Ion 76.90 (76.60 to 77.60): VY001780.D (-969) (-)



#38

Carbon Tetrachloride

Concen: 6.55 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY001780.D

Acq: 26 Feb 2020 13:14

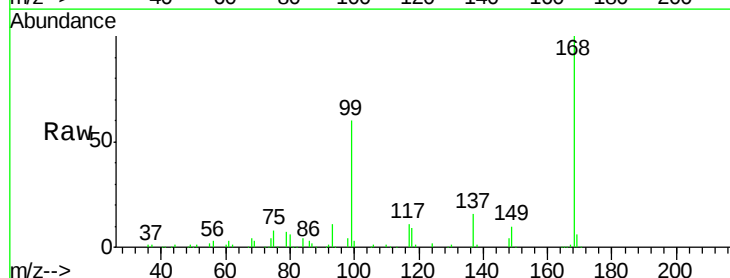
Tgt Ion: 117 Resp: 15694

Ion Ratio Lower Upper

117 100

119 6.7 74.8 112.2#

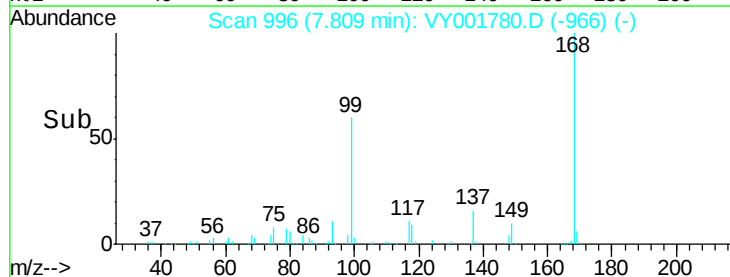
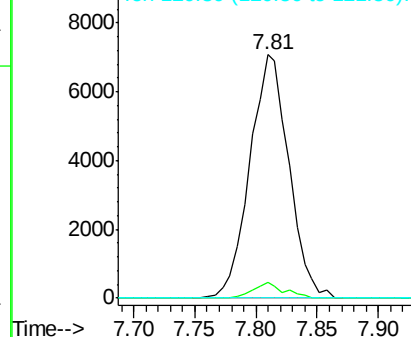
121 0.0 23.8 35.6#

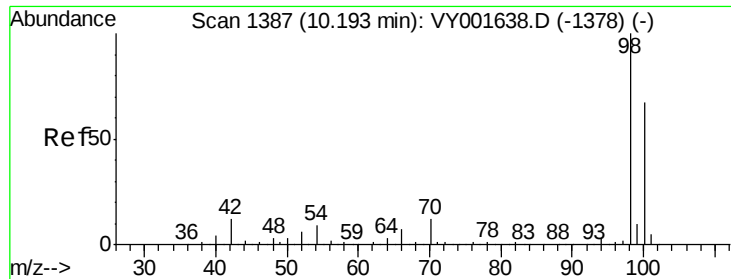


Abundance Ion 116.80 (116.50 to 117.50): VY001780.D (-966) (-)

Ion 118.80 (118.50 to 119.50): VY001780.D (-966) (-)

Ion 120.80 (120.50 to 121.50): VY001780.D (-966) (-)





#50

Toluene-d8

Concen: 53.71 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001780.D

Acq: 26 Feb 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

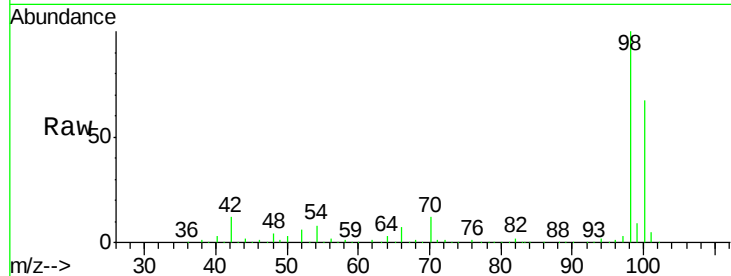
SB-4-12.5-13

Tgt Ion: 98 Resp: 344348

Ion Ratio Lower Upper

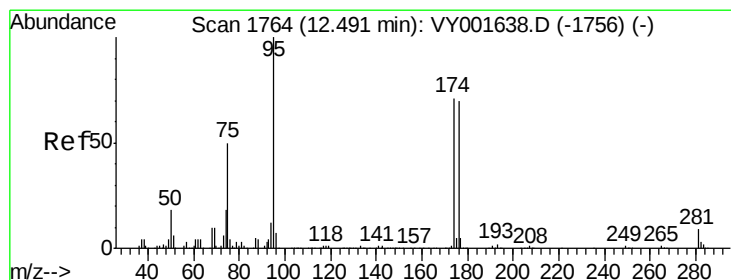
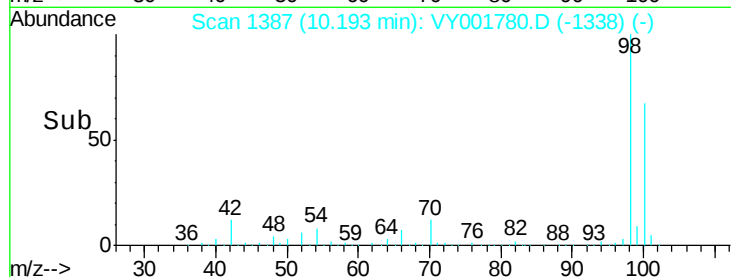
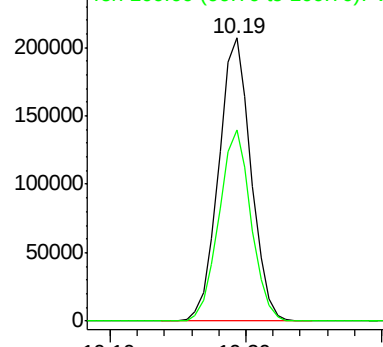
98 100

100 67.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#62

4-Bromofluorobenzene

Concen: 47.65 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001780.D

Acq: 26 Feb 2020 13:14

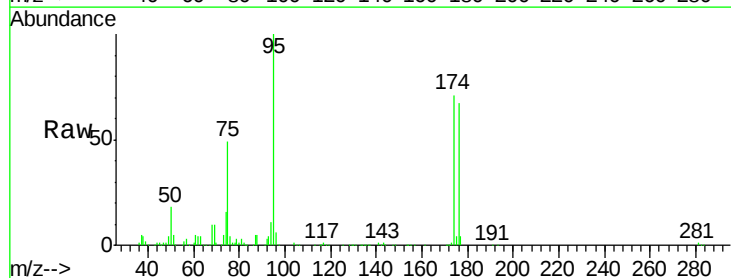
Tgt Ion: 95 Resp: 118684

Ion Ratio Lower Upper

95 100

174 73.0 0.0 138.4

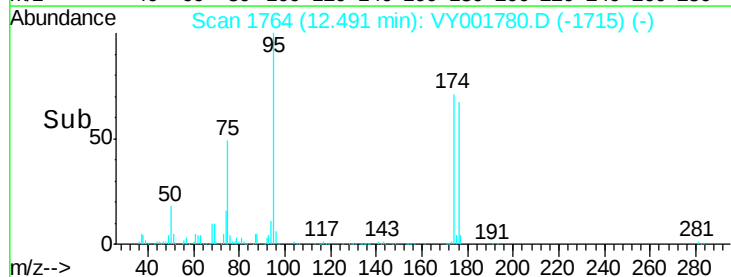
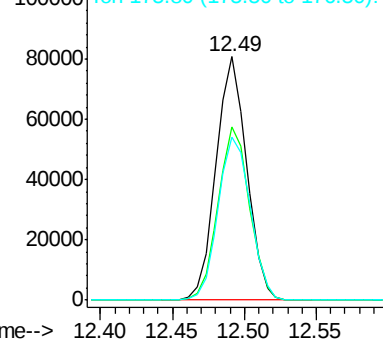
176 70.4 0.0 131.8

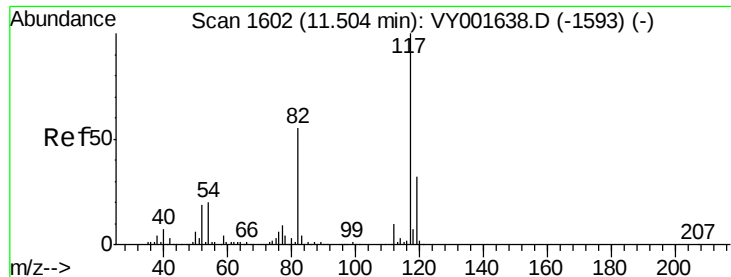


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

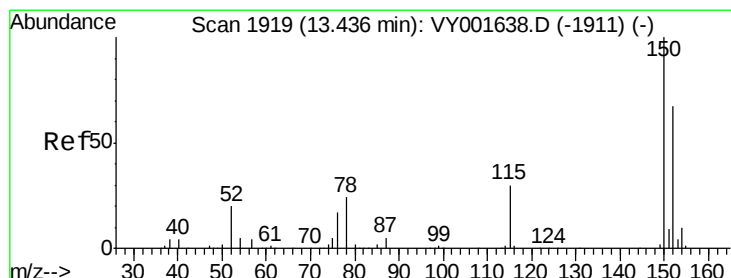
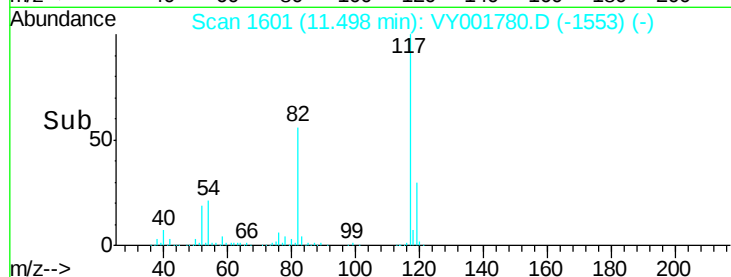
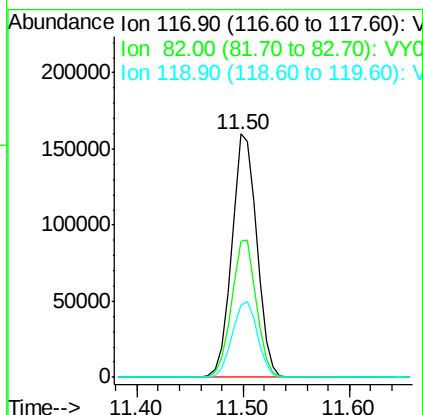
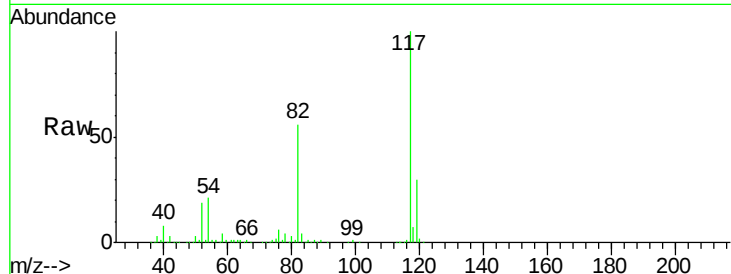




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001780.D
Acq: 26 Feb 2020 13:14

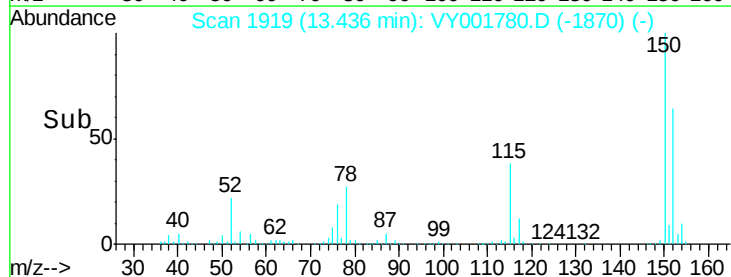
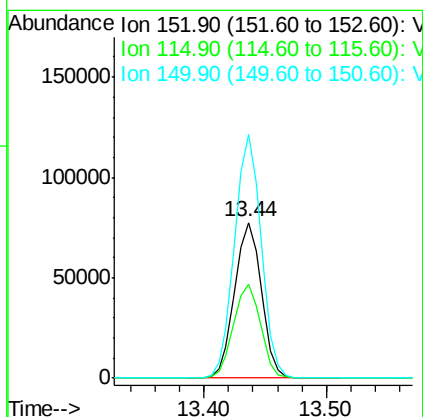
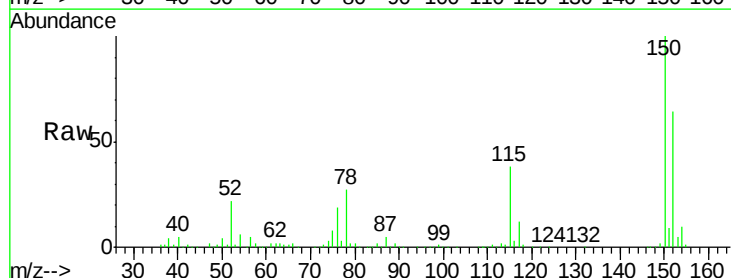
Instrument :
MSVOA_Y
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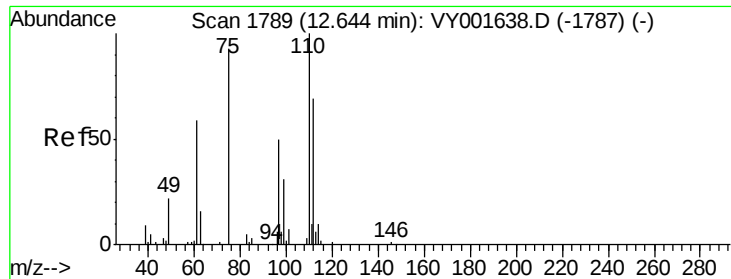
Tgt Ion:117 Resp: 262510
Ion Ratio Lower Upper
117 100
82 56.0 45.5 68.3
119 29.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001780.D
Acq: 26 Feb 2020 13:14

Tgt Ion:152 Resp: 117048
Ion Ratio Lower Upper
152 100
115 60.9 31.4 94.2
150 155.6 0.0 407.2

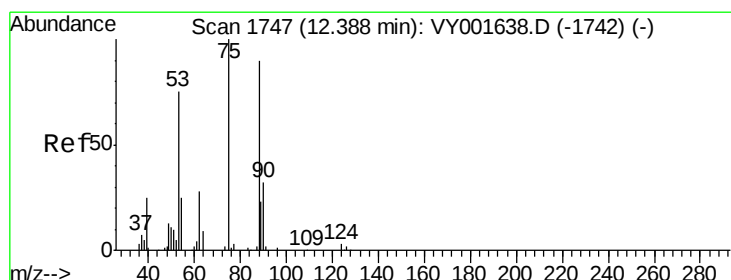
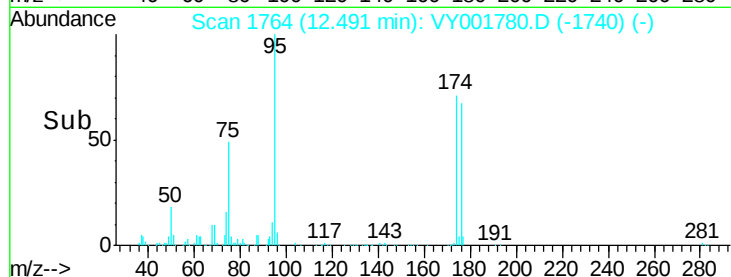
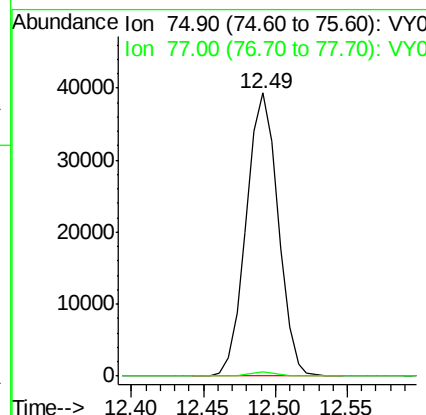
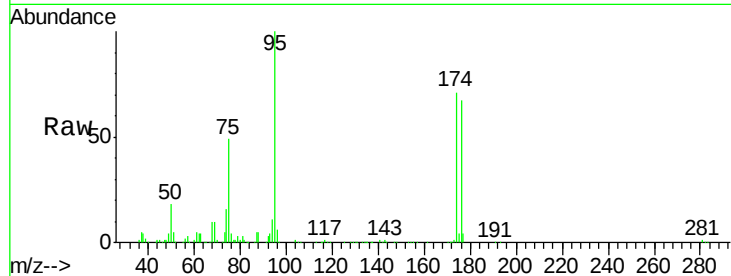




#76
 1,2,3-Trichloropropane
 Concen: 44.80 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001780.D
 Acq: 26 Feb 2020 13:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-12.5-13

Tgt Ion: 75 Resp: 60155
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.00 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001780.D
 Acq: 26 Feb 2020 13:14

Tgt Ion: 75 Resp: 60155
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.1 36.3 54.5#

