

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060220\
 Data File : VY002816.D
 Acq On : 02 Jun 2020 12:53
 Operator : SY/MD
 Sample : L2499-02
 Misc : 5.75G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-021-IDWSO-20200601

Quant Time: Jun 03 05:11:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	274506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	441593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	210422	50.00	ug/l	0.00

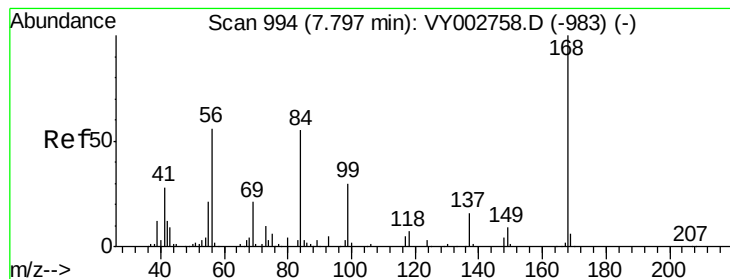
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	135898	57.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.04%	
35) Dibromofluoromethane	7.72	113	137766	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	10.18	98	521121	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.48	95	175835	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

					Qvalue	
5) Bromomethane	2.66	94	2334	1.410	ug/l	99
10) Methyl Iodide	4.10	142	8984	2.765	ug/l	98
16) Acetone	3.96	43	1474	2.637	ug/l	90
18) Methyl Acetate	4.49	43	472	Below Cal	#	48
20) Methylene Chloride	4.73	84	5138	1.881	ug/l	97
31) Cyclohexane	7.80	56	4052	1.002	ug/l	# 1
36) 1,1-Dichloropropene	7.80	75	16606	4.464	ug/l	# 49
38) Carbon Tetrachloride	7.80	117	23838	5.769	ug/l	# 17
76) 1,2,3-Trichloropropane	12.48	75	82999	43.775	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	82999	82.472	ug/l	# 17

(#) = 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. -0.00 min

Lab File: VY002816.D

Acq: 02 Jun 2020 12:53

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ClientSampleId :

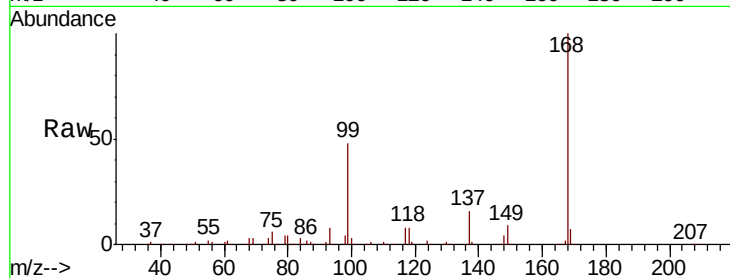
TT-021-IDWSO-20200601

Tot Ion:168 Resp: 274506

Ion Ratio Lower Upper

168 100

99 48.3 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002816.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002816.D (-945) (-)

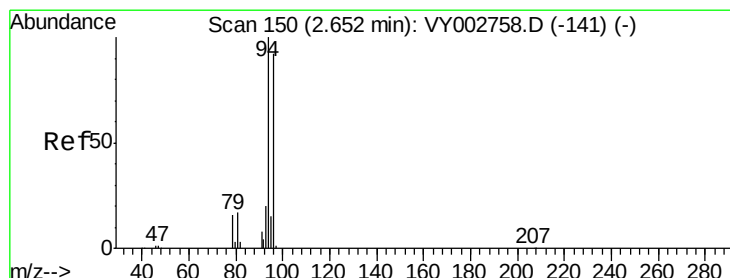
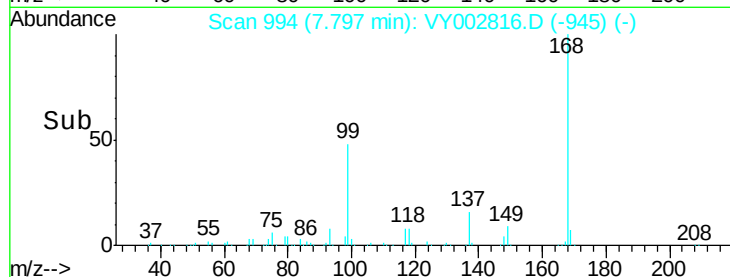
7.80

100000

50000

0

Time-->



#5

Bromomethane

Concen: 1.410 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002816.D

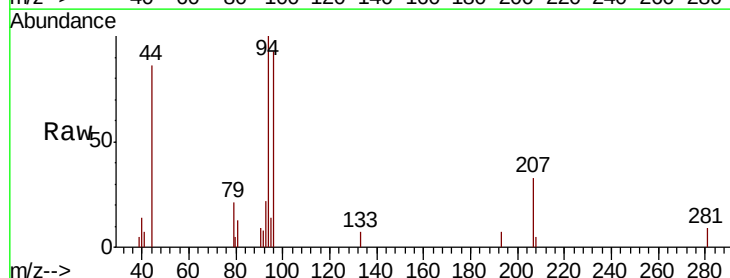
Acq: 02 Jun 2020 12:53

Tgt Ion: 94 Resp: 2334

Ion Ratio Lower Upper

94 100

96 92.6 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VY002816.D (-101) (-)

Ion 95.90 (95.60 to 96.60): VY002816.D (-101) (-)

2.66

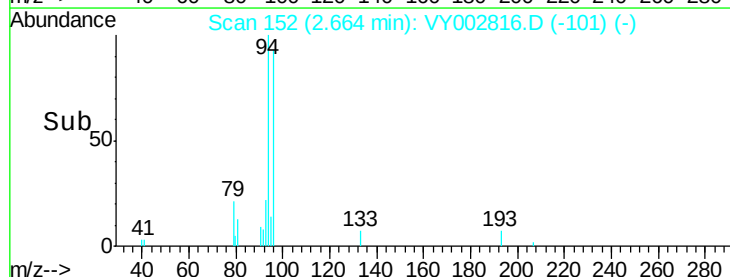
1500

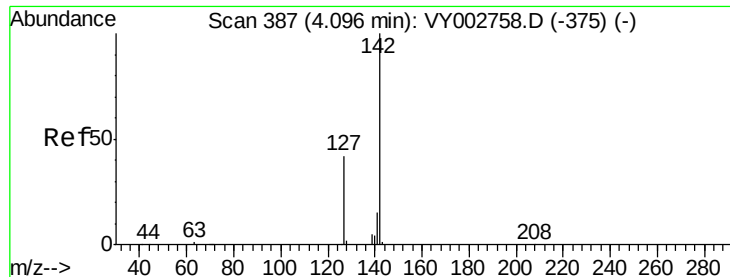
1000

500

0

Time-->

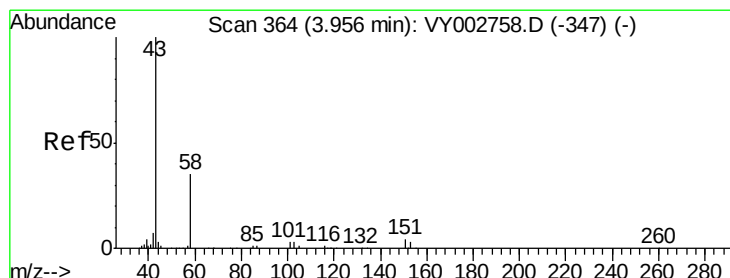
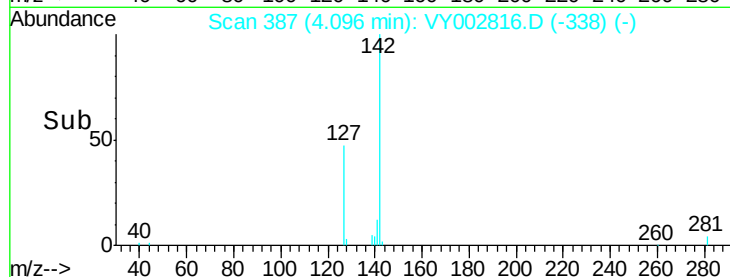
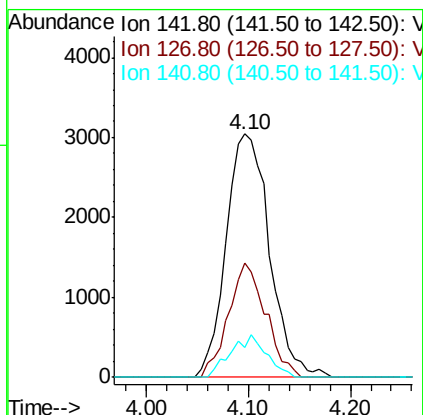
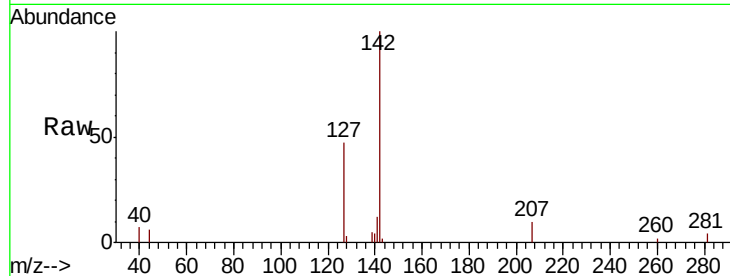




#10
Methvl Iodide
Concen: 2.765 ug/l
RT: 4.10 min Scan# 387
Delta R.T. -0.00 min
Lab File: VY002816.D
Acq: 02 Jun 2020 12:53

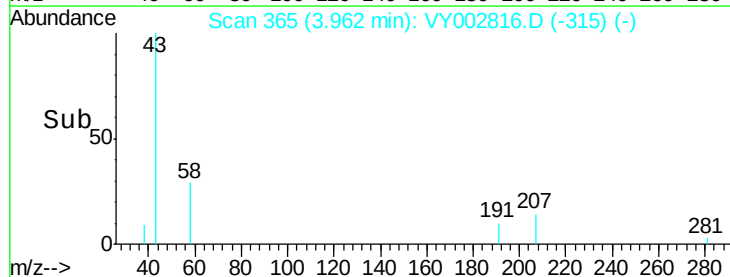
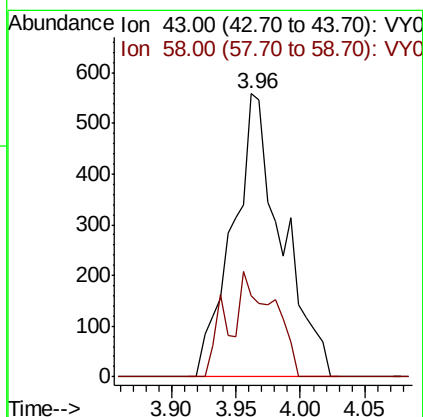
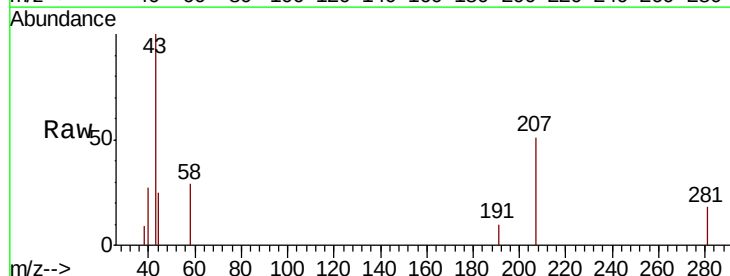
Instrument :
MSVOA_Y
ClientSampleId :
TT-021-IDWSO-20200601

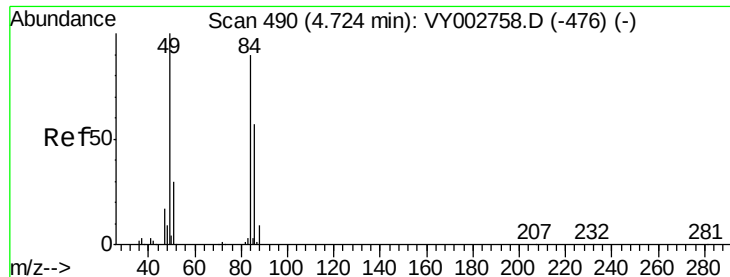
Tot Ion:142 Resp: 8984
Ion Ratio Lower Upper
142 100
127 40.3 33.3 49.9
141 14.5 11.5 17.3



#16
Acetone
Concen: 2.637 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY002816.D
Acq: 02 Jun 2020 12:53

Tgt Ion: 43 Resp: 1474
Ion Ratio Lower Upper
43 100
58 28.9 27.7 41.5

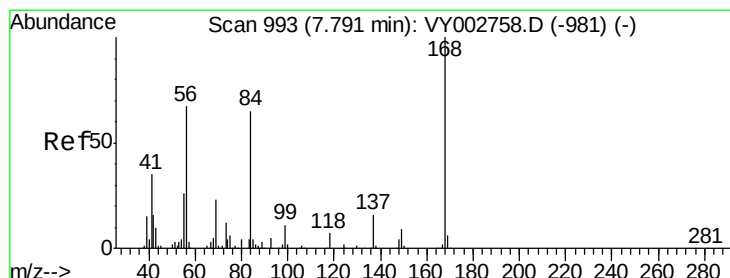
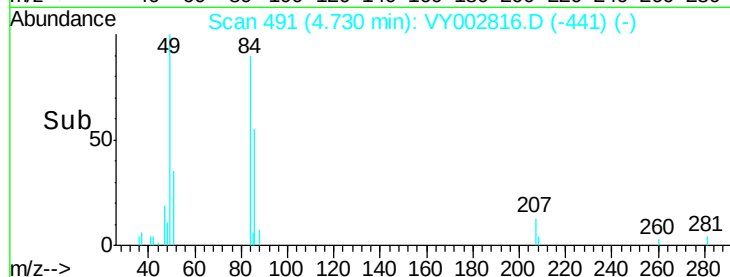
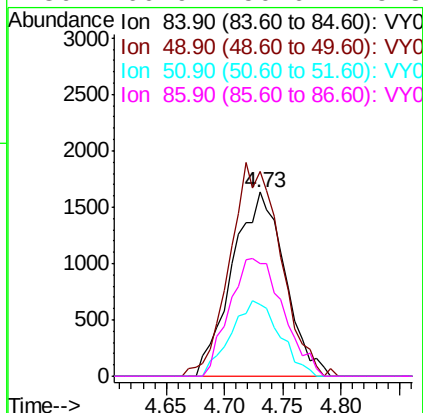
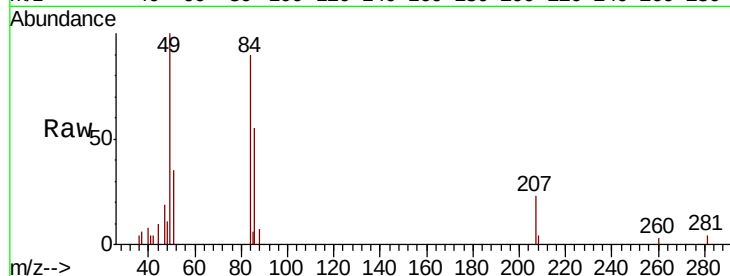




#20
Methylene Chloride
Concen: 1.881 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002816.D
Acq: 02 Jun 2020 12:53

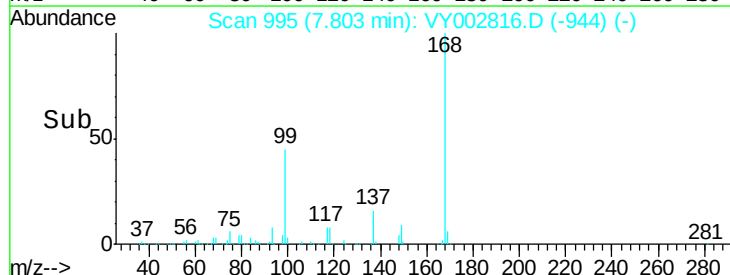
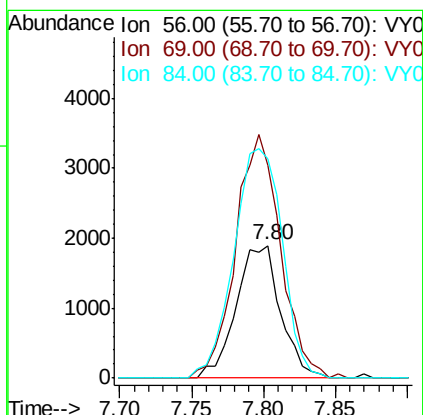
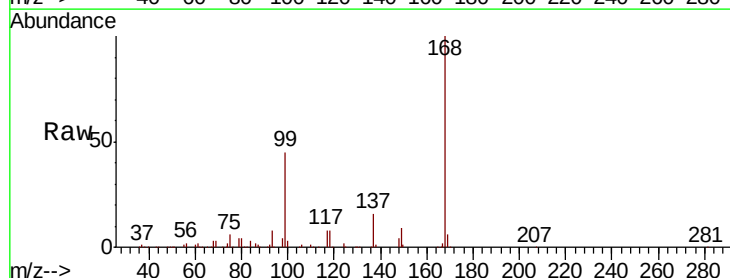
Instrument :
MSVOA_Y
ClientSampleId :
TT-021-IDWSO-20200601

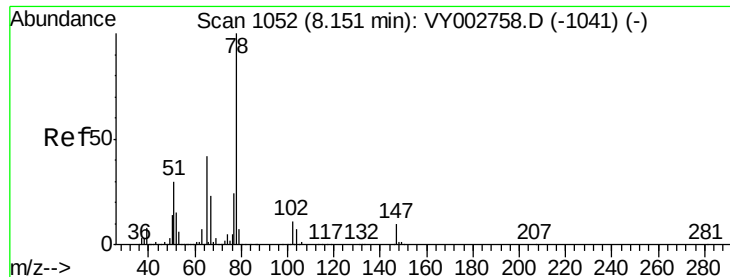
Tot Ion: 84 Resp: 5138
Ion Ratio Lower Upper
84 100
49 111.2 88.5 132.7
51 39.1 26.8 40.2
86 60.9 50.6 75.8



#31
Cyclohexane
Concen: 1.002 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002816.D
Acq: 02 Jun 2020 12:53

Tgt Ion: 56 Resp: 4052
Ion Ratio Lower Upper
56 100
69 160.5 28.0 42.0#
84 165.8 77.7 116.5#

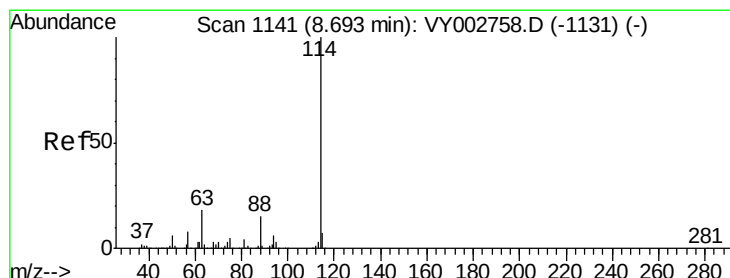
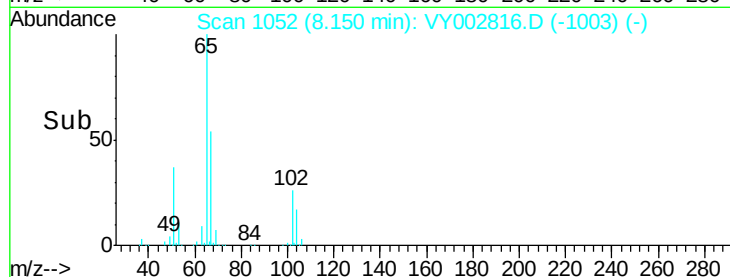
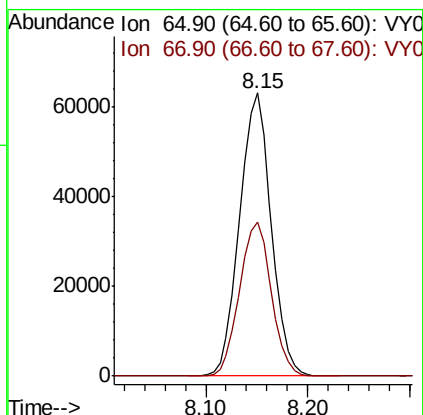
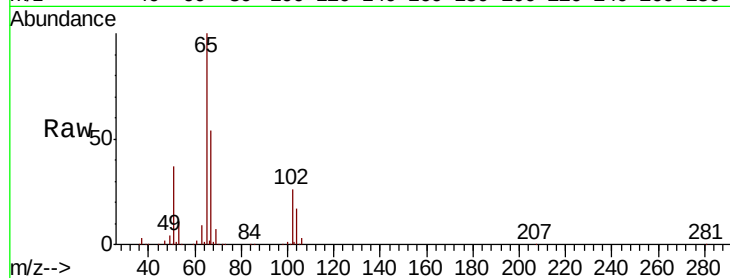




#33
 1,2-Dichloroethane-d4
 Concen: 57.017 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002816.D
 Acq: 02 Jun 2020 12:53

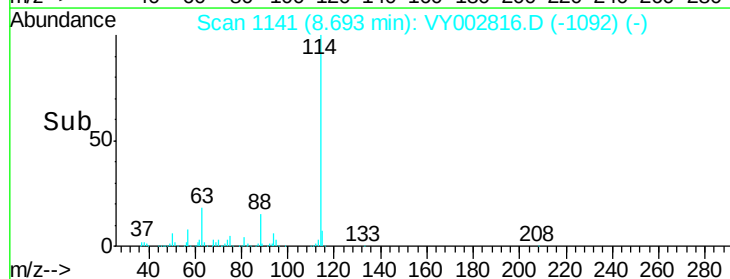
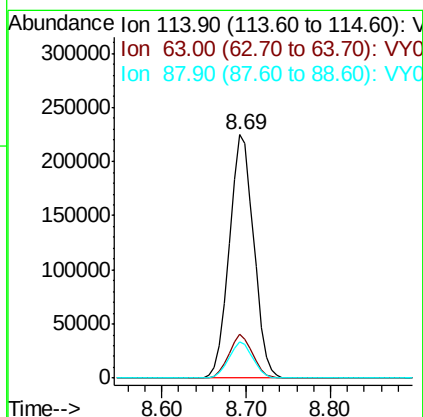
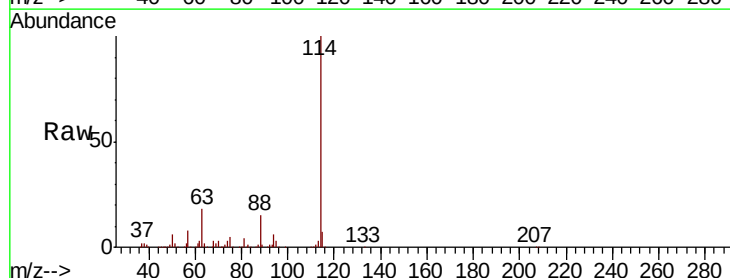
Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-021-IDWSO-20200601

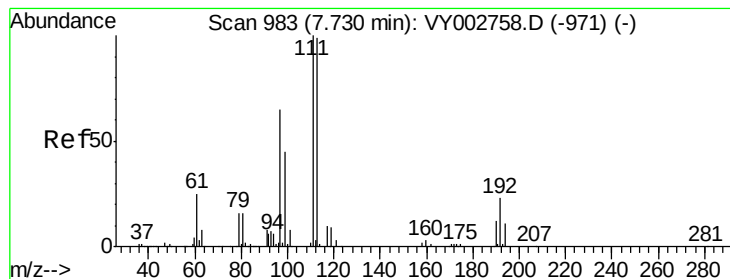
Tot Ion: 65 Resp: 135898
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002816.D
 Acq: 02 Jun 2020 12:53

Tgt Ion: 114 Resp: 441593
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.2
 88 14.8 0.0 29.2





#35

Dibromofluoromethane

Concen: 53.234 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002816.D

Acq: 02 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

TT-021-IDWSO-20200601

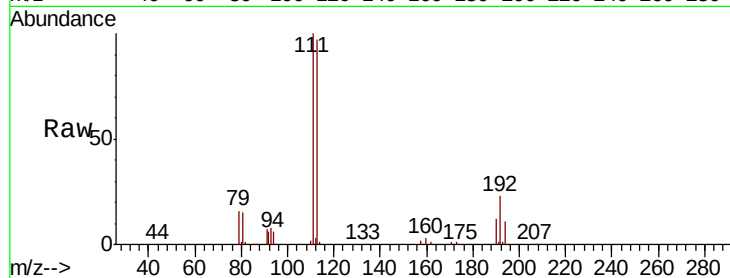
Tot Ion:113 Resp: 137766

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

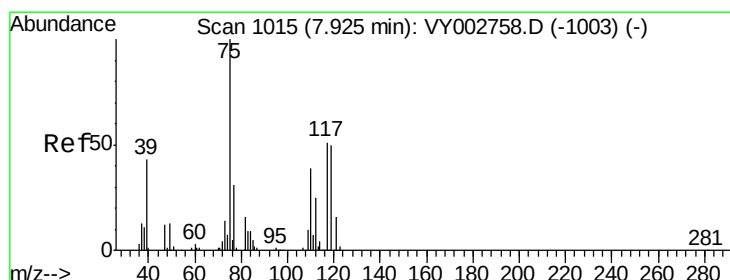
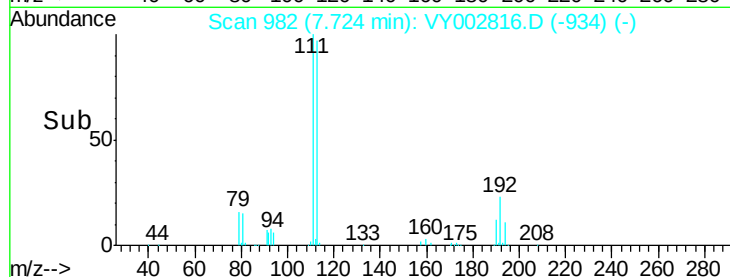
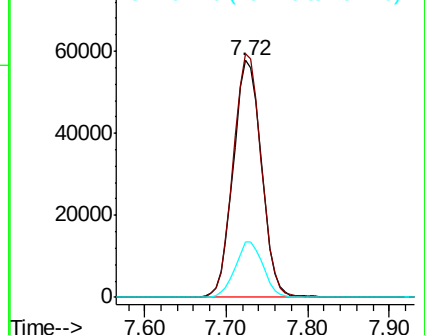
192 23.1 18.9 28.3



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: 4.464 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002816.D

Acq: 02 Jun 2020 12:53

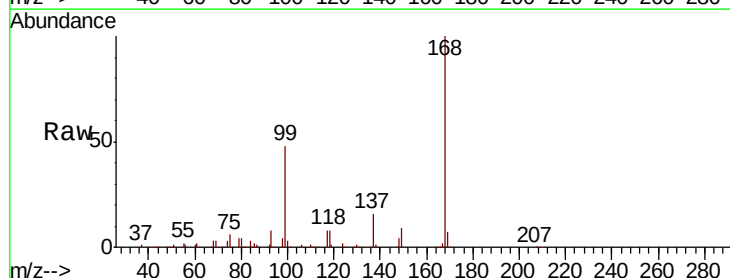
Tgt Ion: 75 Resp: 16606

Ion Ratio Lower Upper

75 100

110 10.4 19.3 57.9#

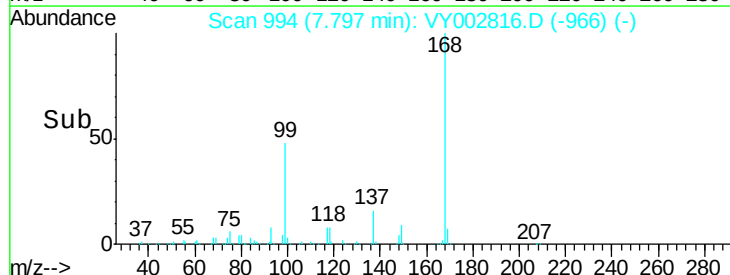
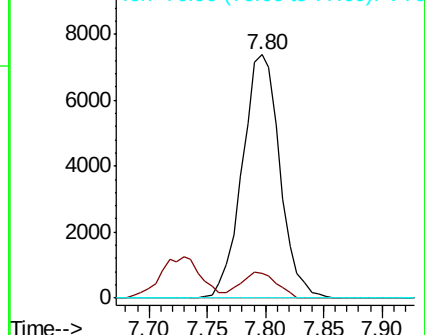
77 0.0 24.8 37.2#

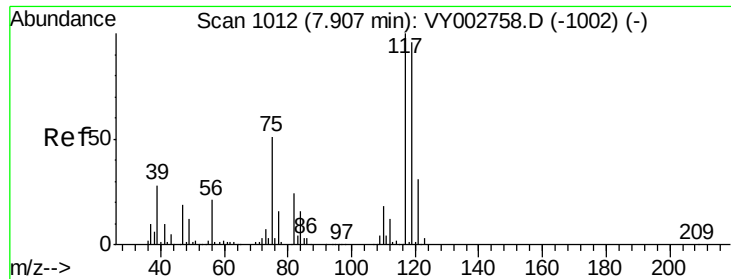


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.769 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002816.D

Acq: 02 Jun 2020 12:53

Instrument :

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ClientSampleId :

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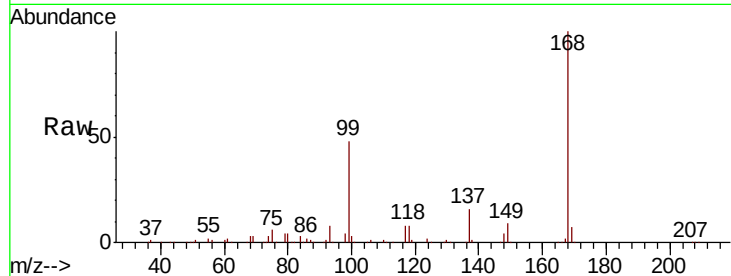
Tot Ion:117 Resp: 23838

Ion Ratio Lower Upper

117 100

119 6.7 76.8 115.2#

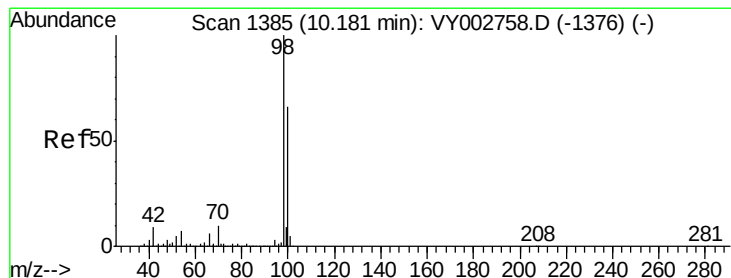
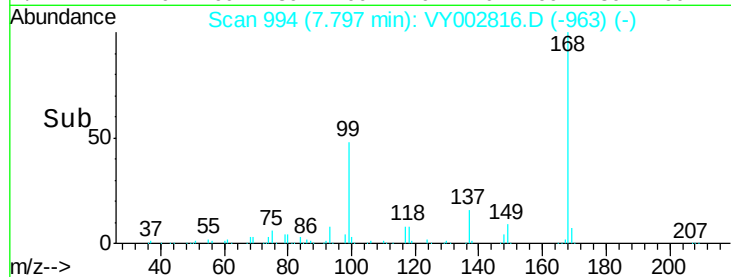
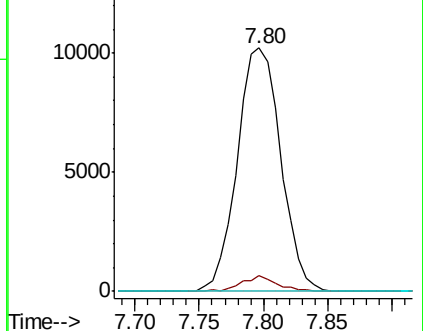
121 0.0 24.8 37.2#



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: 49.802 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002816.D

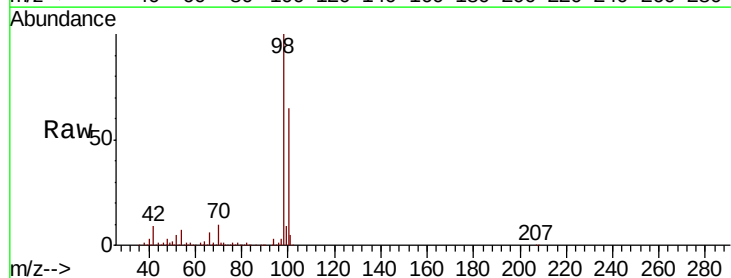
Acq: 02 Jun 2020 12:53

Tgt Ion: 98 Resp: 521121

Ion Ratio Lower Upper

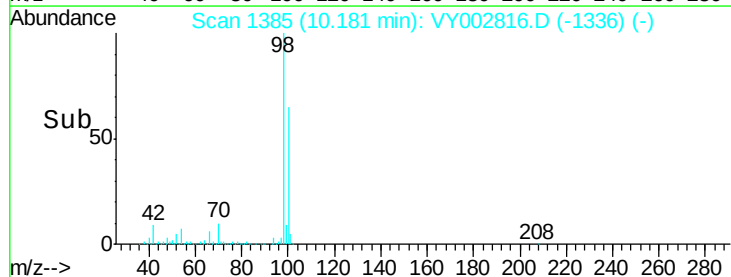
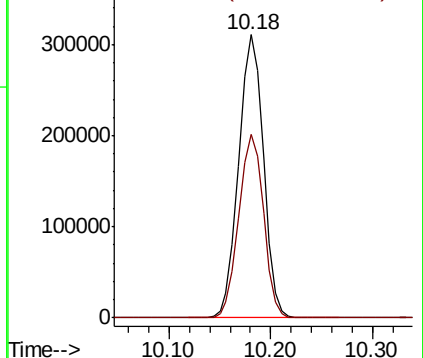
98 100

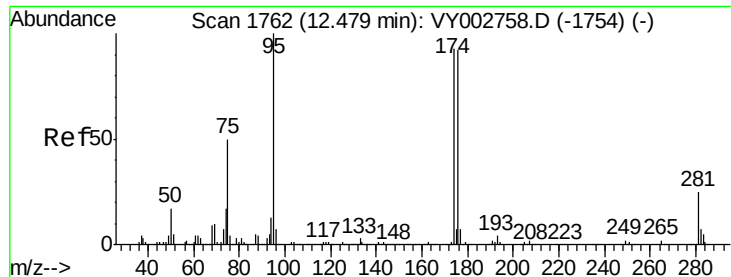
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 49.171 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002816.D

Acq: 02 Jun 2020 12:53

Instrument :

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ClientSampleId :

TT-021-IDWSO-20200601

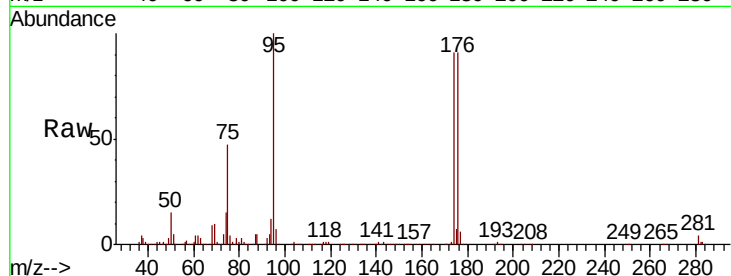
Tot Ion: 95 Resp: 175835

Ion Ratio Lower Upper

95 100

174 96.3 0.0 191.2

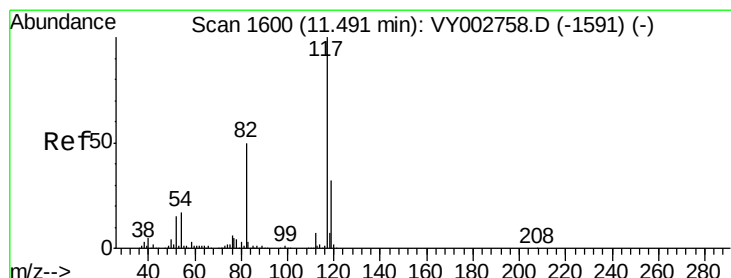
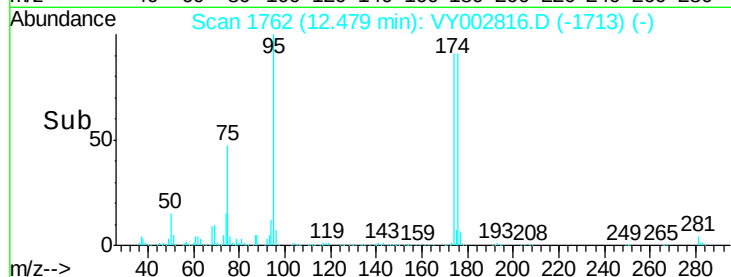
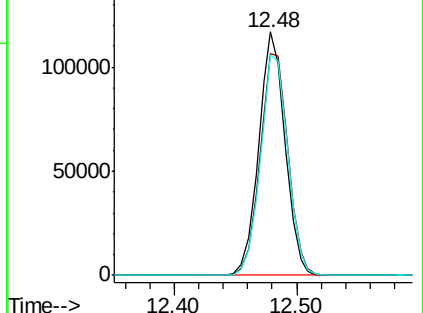
176 93.5 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002816.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002816.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002816.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002816.D

Acq: 02 Jun 2020 12:53

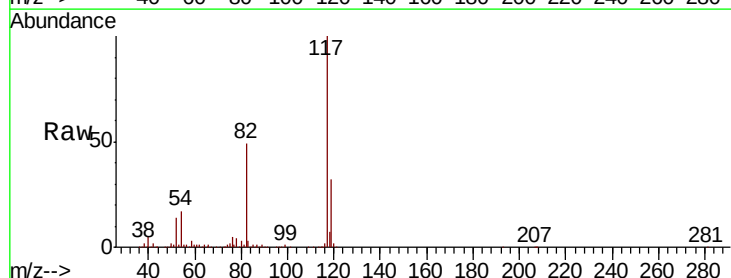
Tgt Ion: 117 Resp: 415114

Ion Ratio Lower Upper

117 100

82 49.4 40.2 60.4

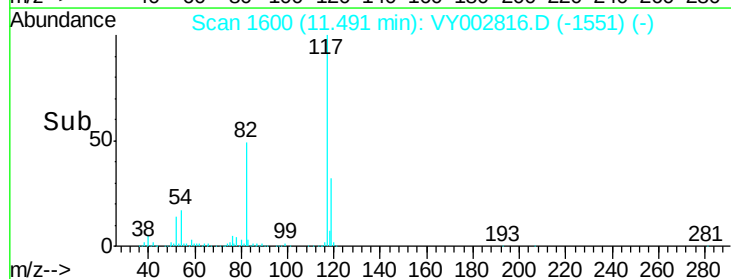
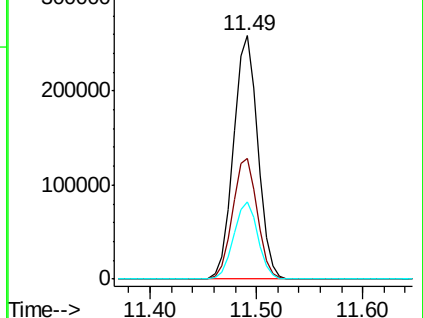
119 31.9 25.8 38.8

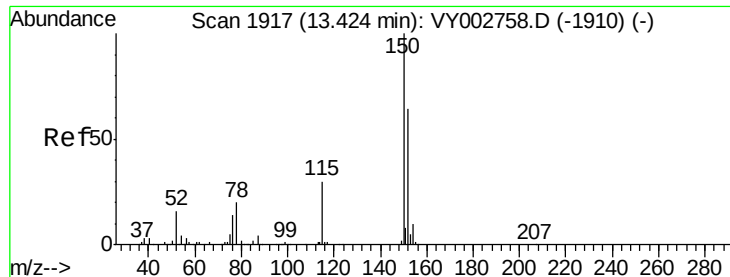


Abundance Ion 116.90 (116.60 to 117.60): VY002816.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002816.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002816.D (-1551) (-)



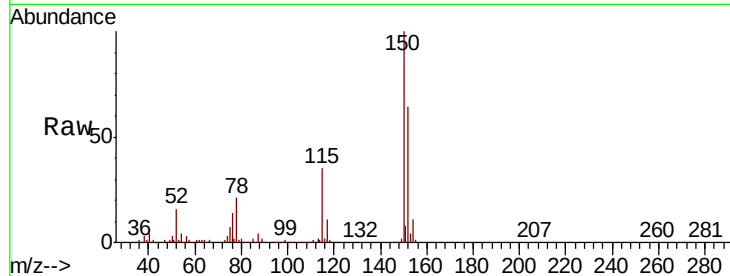


#72

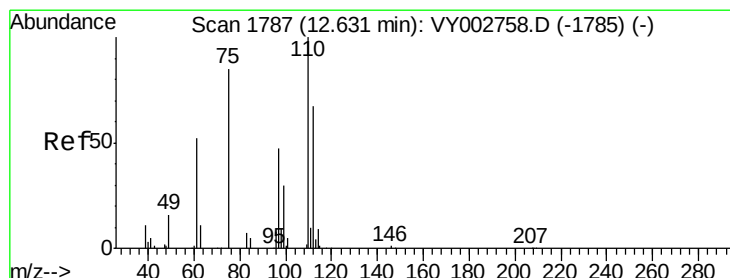
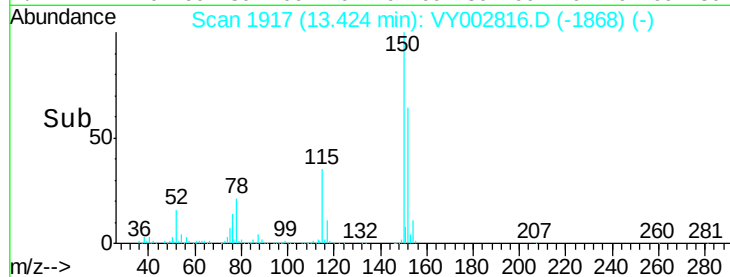
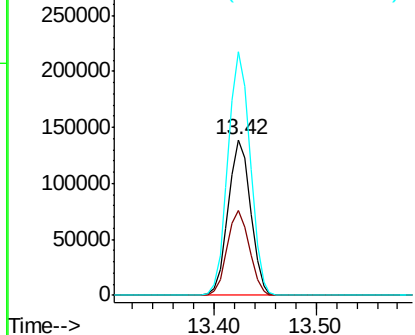
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002816.D
Acq: 02 Jun 2020 12:53

Instrument :
MSVOA_Y
ClientSampleId :
TT-021-IDWSO-20200601

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.0	81.0
150	156.1	0.0	344.8



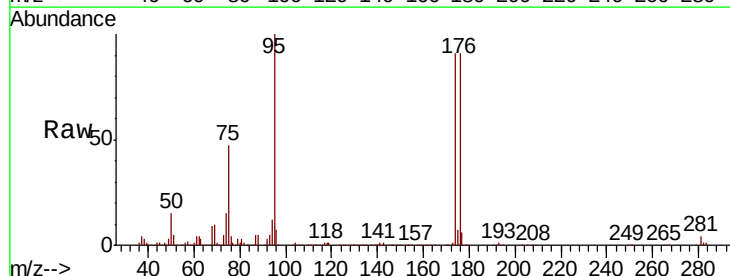
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



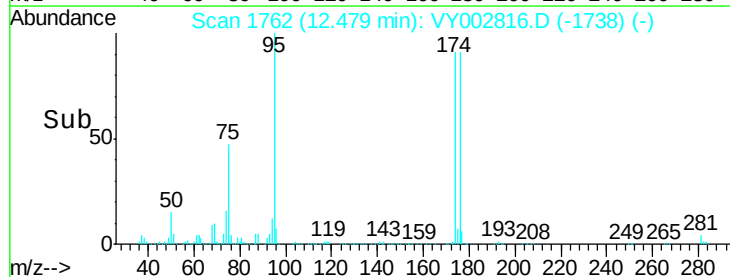
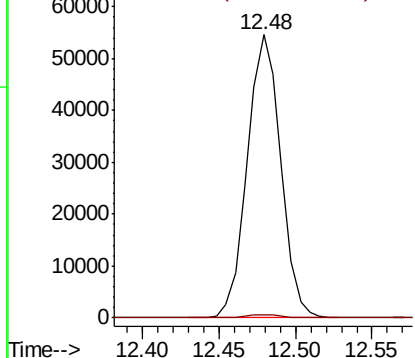
#76

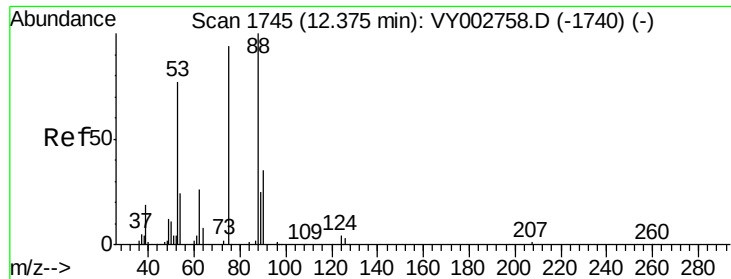
1,2,3-Trichloropropane
Concen: 43.775 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002816.D
Acq: 02 Jun 2020 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 82.472 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002816.D

Acq: 02 Jun 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

TT-021-IDWSO-20200601

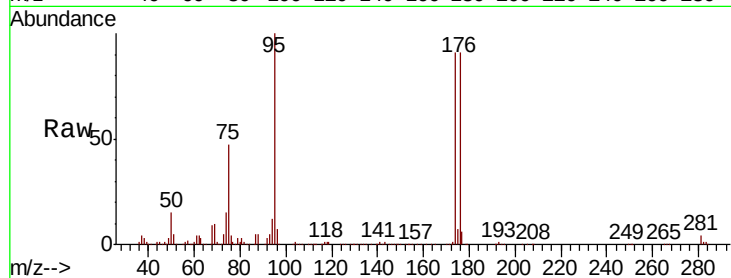
Tot Ion: 75 Resp: 82999

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.0 37.4 56.2#



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

