

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001077.D
 Acq On : 26 Dec 2019 17:04
 Operator : SY/MD
 Sample : K6431-13
 Misc : 6.29G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-DUPLICATE

Quant Time: Dec 27 02:12:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	87220	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.70	114	161562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	132778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	55599	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	42816	49.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.54%	
35) Dibromofluoromethane	7.73	113	45133	47.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.88%	
50) Toluene-d8	10.18	98	183525	49.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.48	95	53853	39.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.24%	

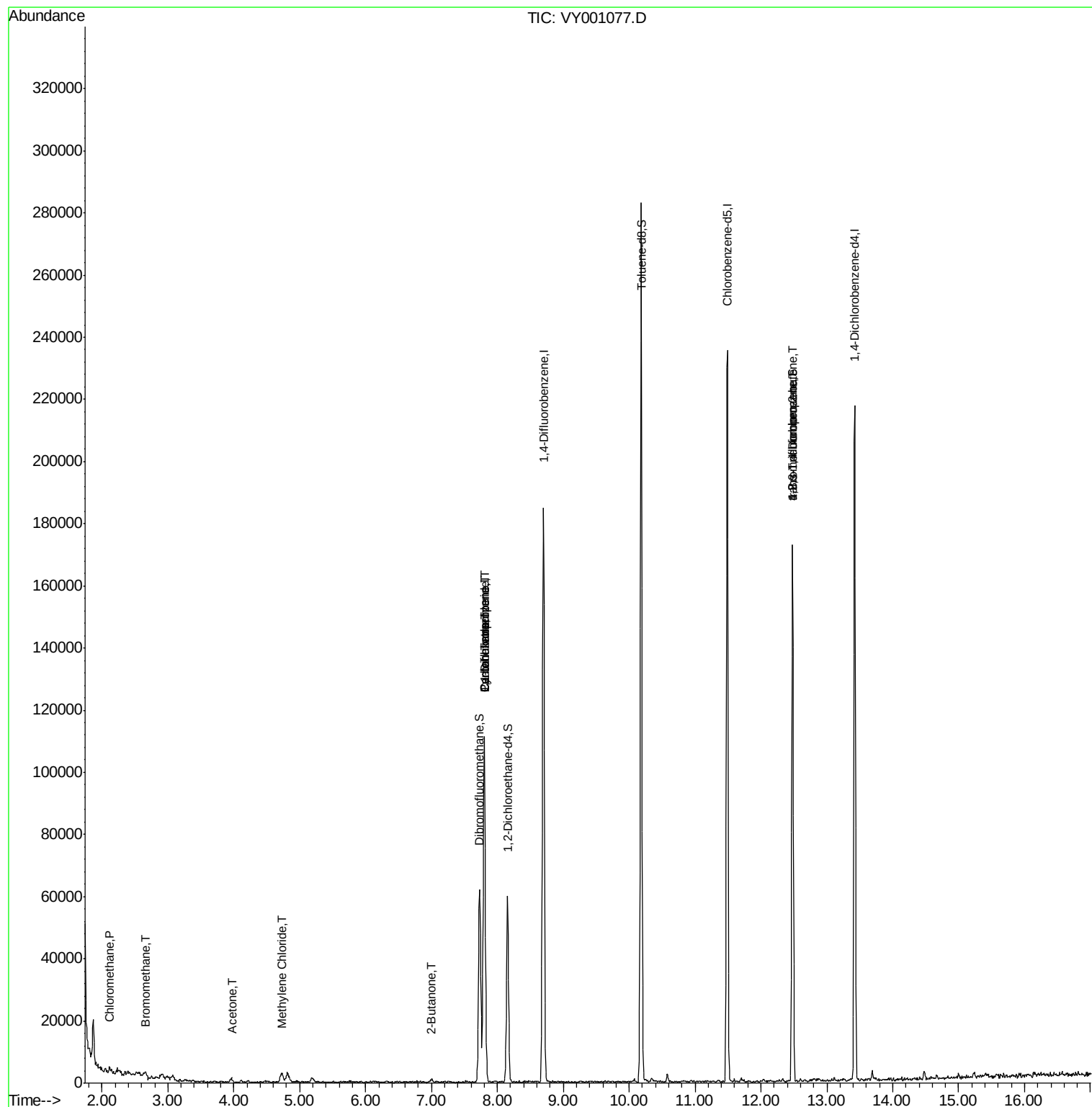
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	1663	1.608	ug/l	96
5) Bromomethane	2.66	94	293	1.154	ug/l #	16
16) Acetone	3.96	43	1856	9.365	ug/l	97
20) Methylene Chloride	4.74	84	2366	2.028	ug/l #	58
25) 2-Butanone	7.00	43	574	1.649	ug/l #	87
31) Cyclohexane	7.80	56	2021	1.057	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	7177	4.657	ug/l #	46
38) Carbon Tetrachloride	7.80	117	8533	6.319	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	26434	38.566	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	26434	82.252	ug/l #	19

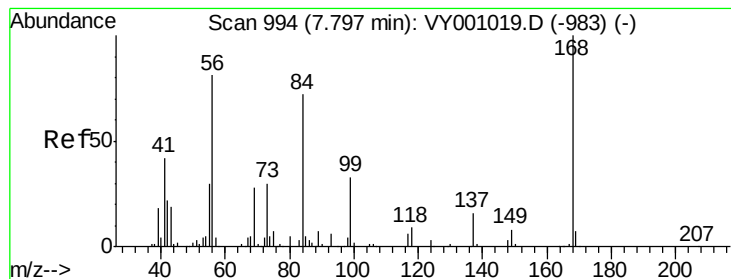
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY001077.D

Acq: 26 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

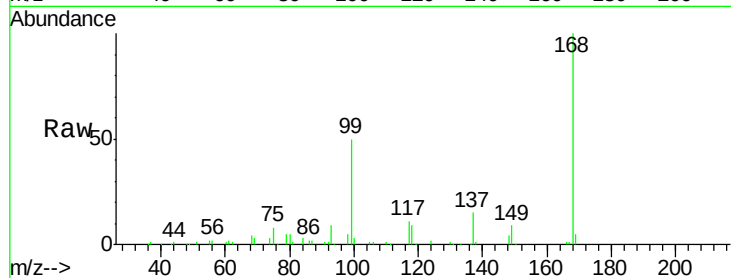
SOIL-DUPLICATE

Tgt Ion:168 Resp: 87220

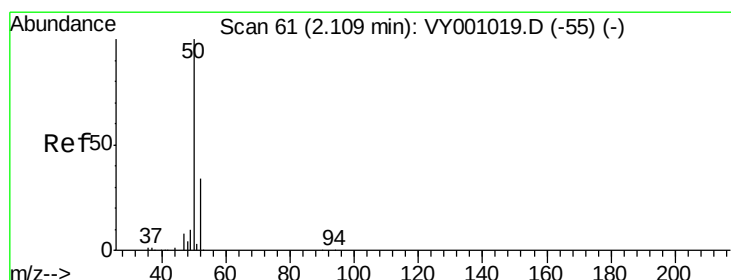
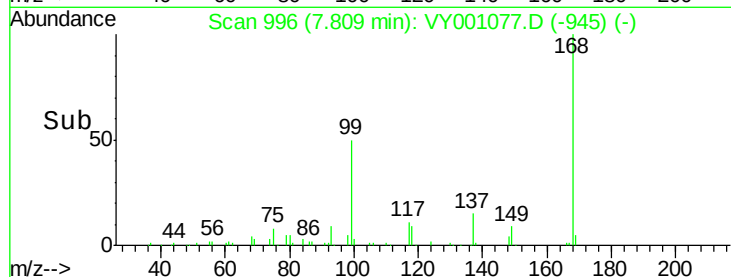
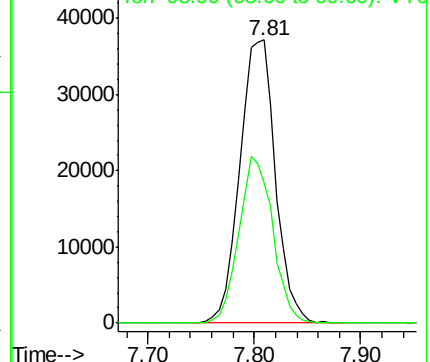
Ion Ratio Lower Upper

168 100

99 49.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)



#3

Chloromethane

Concen: 1.608 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY001077.D

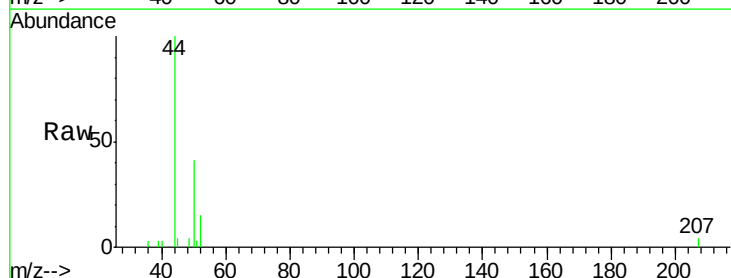
Acq: 26 Dec 2019 17:04

Tgt Ion: 50 Resp: 1663

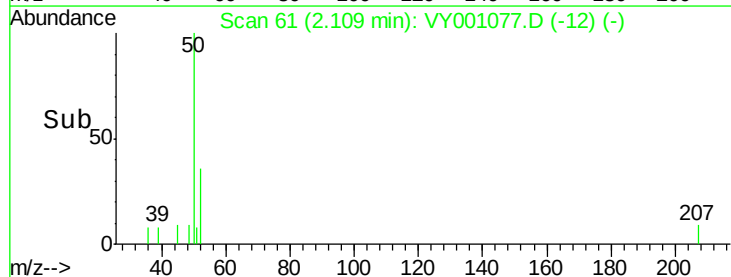
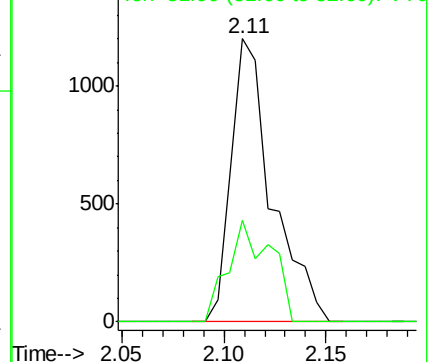
Ion Ratio Lower Upper

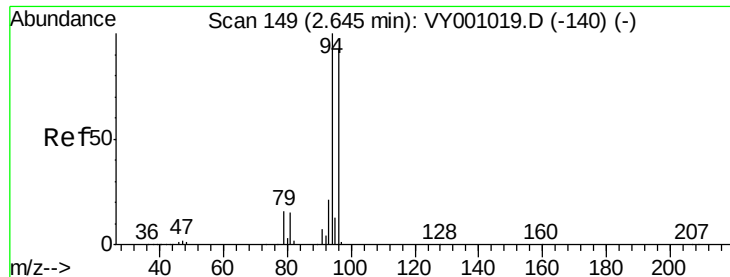
50 100

52 36.0 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VY001019.D (-55) (-)





#5

Bromomethane

Concen: 1.154 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.02 min

Lab File: VY001077.D

Acq: 26 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

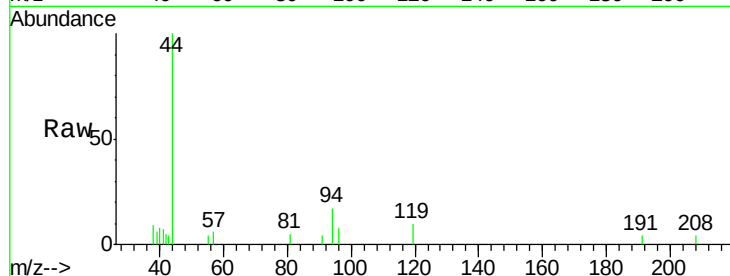
SOIL-DUPLICATE

Tgt Ion: 94 Resp: 293

Ion Ratio Lower Upper

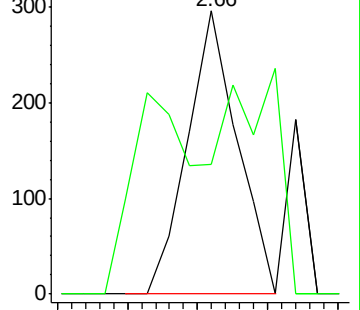
94 100

96 12.2 74.2 111.4#

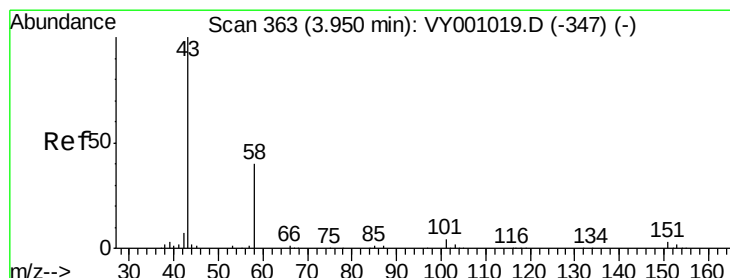
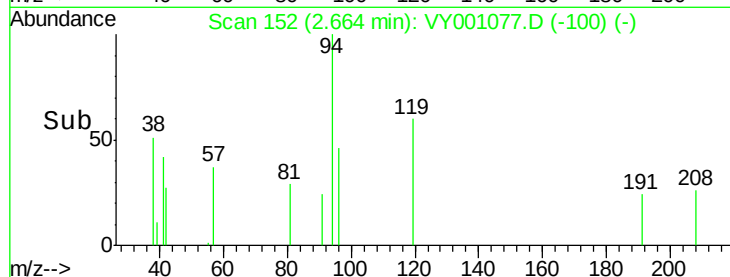


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



Time-->



#16

Acetone

Concen: 9.365 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001077.D

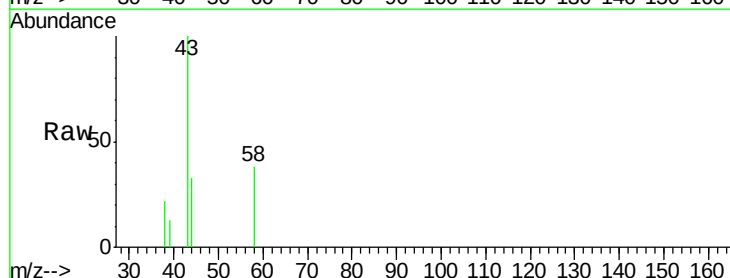
Acq: 26 Dec 2019 17:04

Tgt Ion: 43 Resp: 1856

Ion Ratio Lower Upper

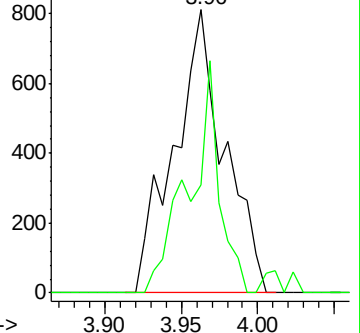
43 100

58 38.0 32.1 48.1

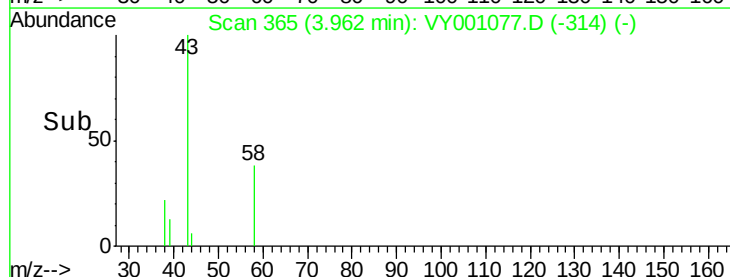


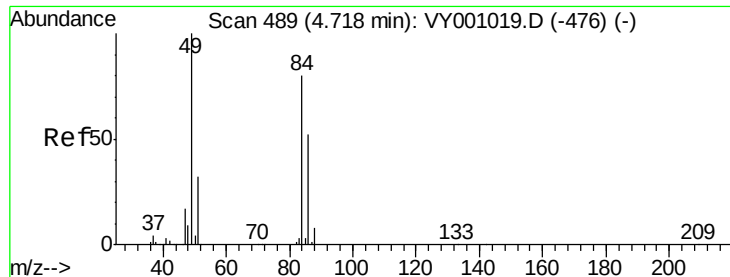
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->

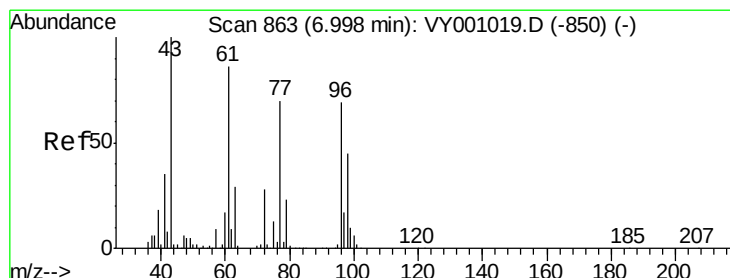
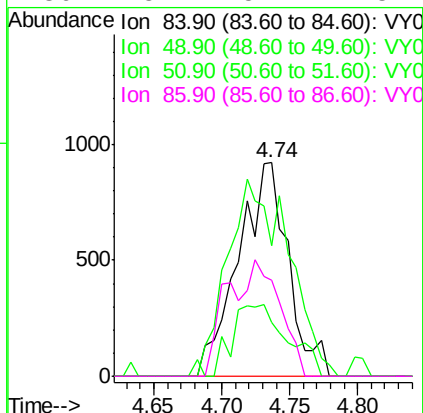
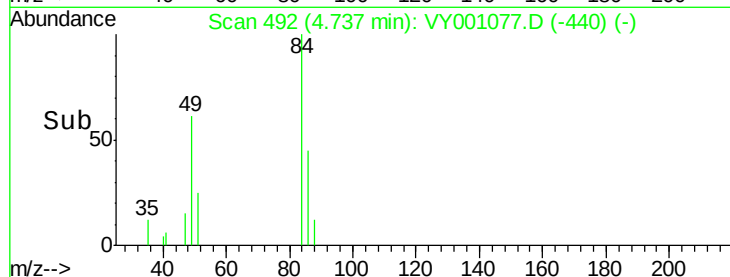
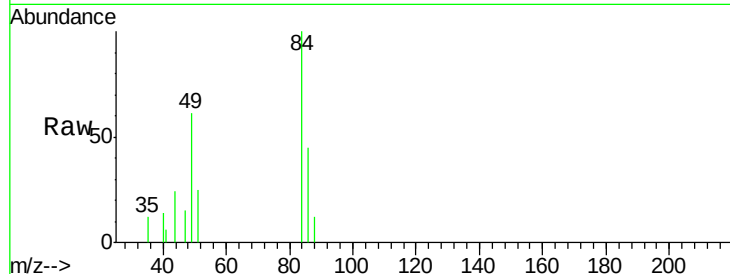




#20
Methylene Chloride
Concen: 2.028 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.02 min
Lab File: VY001077.D
Acq: 26 Dec 2019 17:04

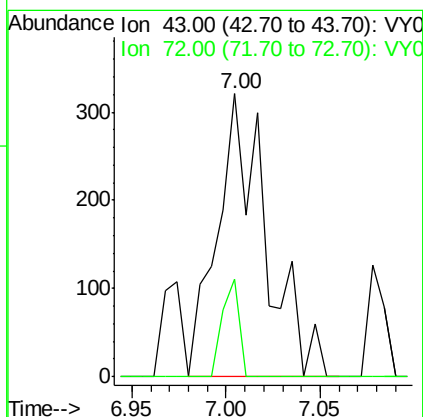
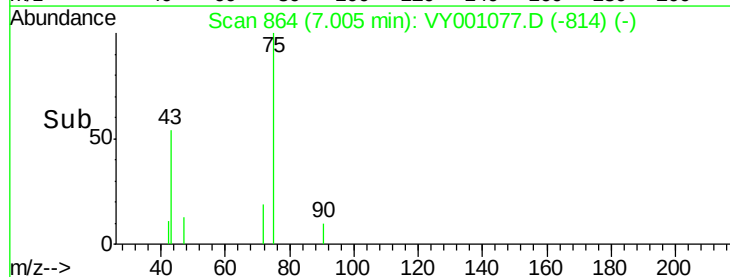
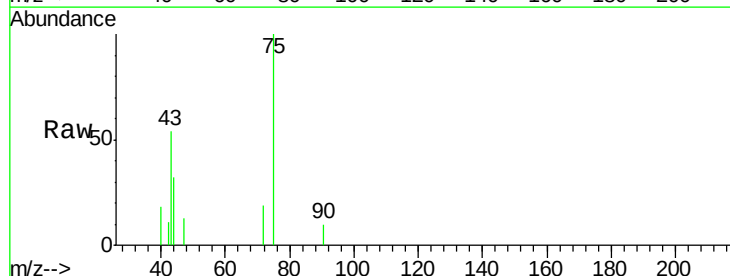
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-DUPLICATE

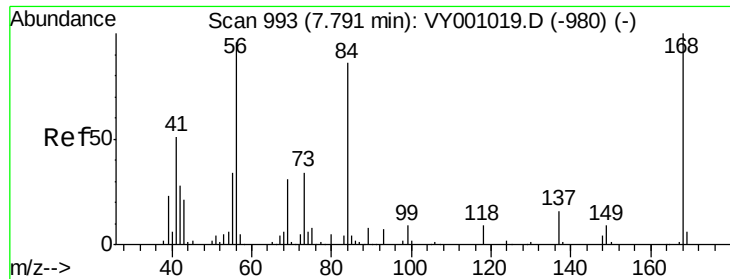
Tgt Ion: 84 Resp: 2366
Ion Ratio Lower Upper
84 100
49 61.3 99.8 149.6#
51 24.9 31.4 47.2#
86 45.1 52.2 78.2#



#25
2-Butanone
Concen: 1.649 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY001077.D
Acq: 26 Dec 2019 17:04

Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
72 34.6 22.4 33.6#

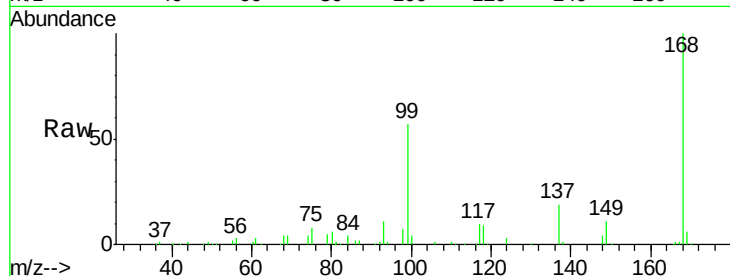




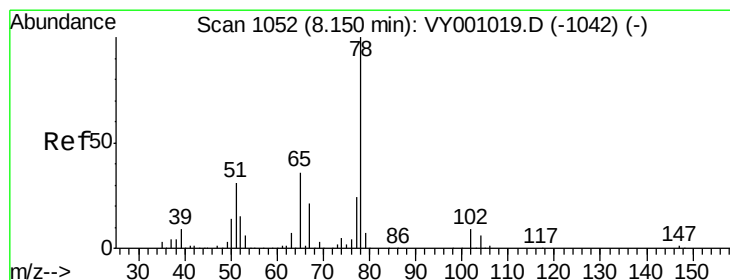
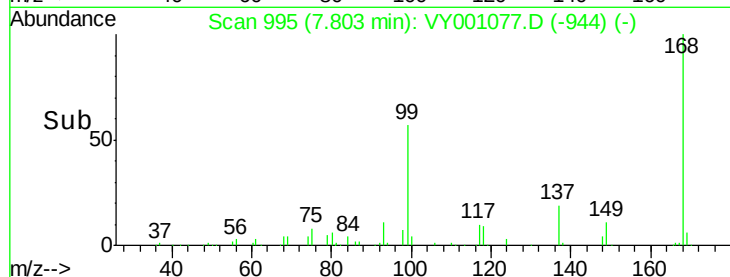
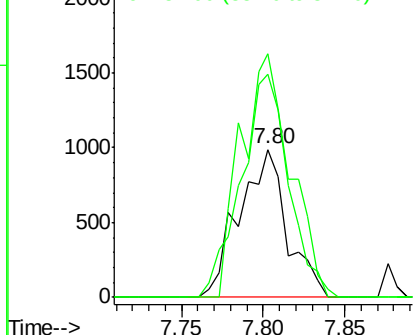
#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY001077.D
Acq: 26 Dec 2019 17:04

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-DUPLICATE

Tgt Ion: 56 Resp: 2021
Ion Ratio Lower Upper
56 100
69 150.8 26.1 39.1#
84 164.6 71.8 107.8#

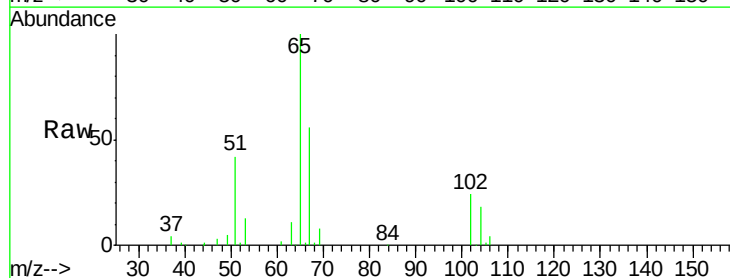


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

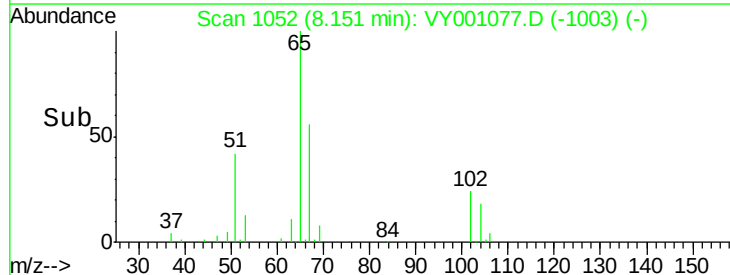
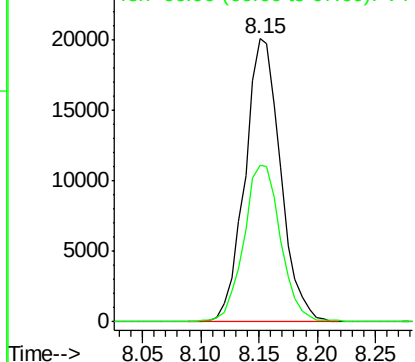


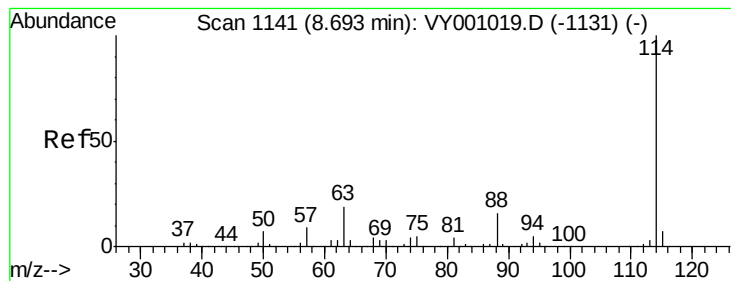
#33
1,2-Dichloroethane-d4
Concen: 49.773 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY001077.D
Acq: 26 Dec 2019 17:04

Tgt Ion: 65 Resp: 42816
Ion Ratio Lower Upper
65 100
67 57.4 0.0 112.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001077.D

Acq: 26 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-DUPLICATE

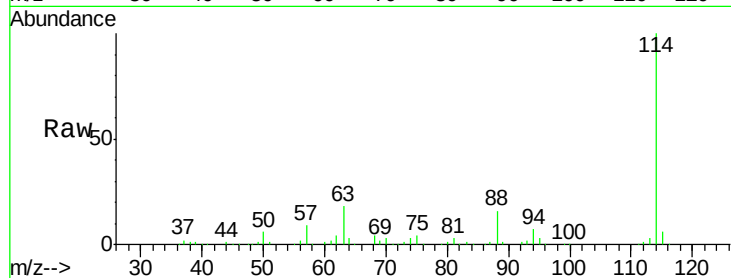
Tgt Ion:114 Resp: 161562

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

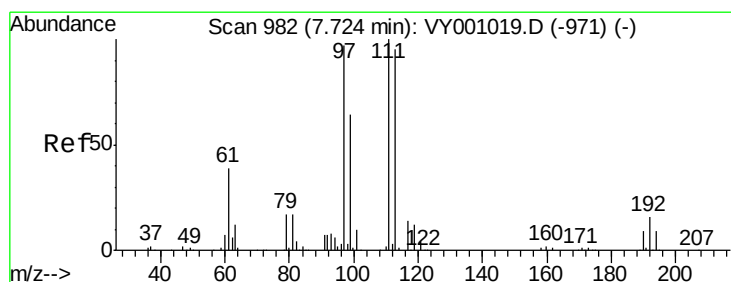
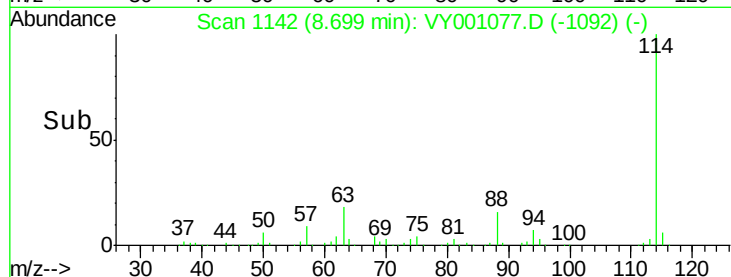
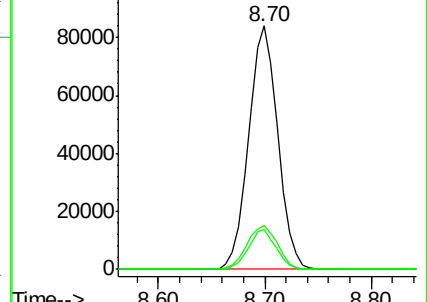
88 16.3 0.0 32.0



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: 47.440 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001077.D

Acq: 26 Dec 2019 17:04

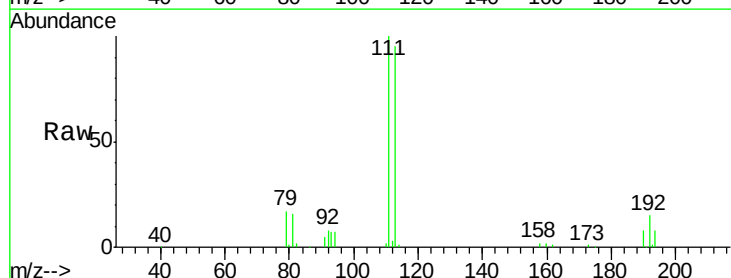
Tgt Ion:113 Resp: 45133

Ion Ratio Lower Upper

113 100

111 105.5 83.0 124.4

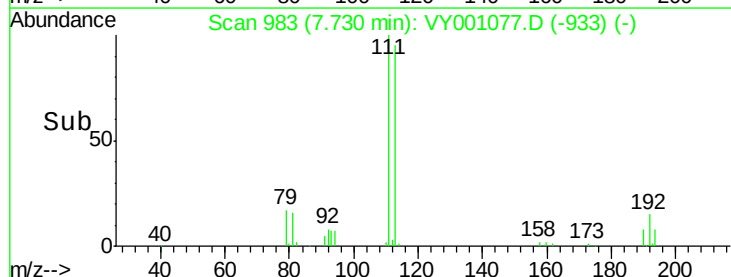
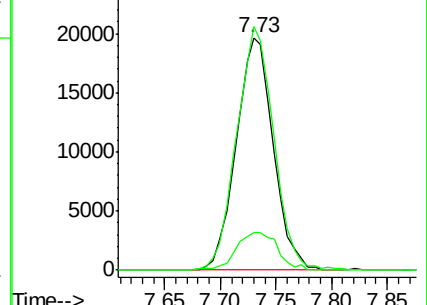
192 18.0 14.6 21.8

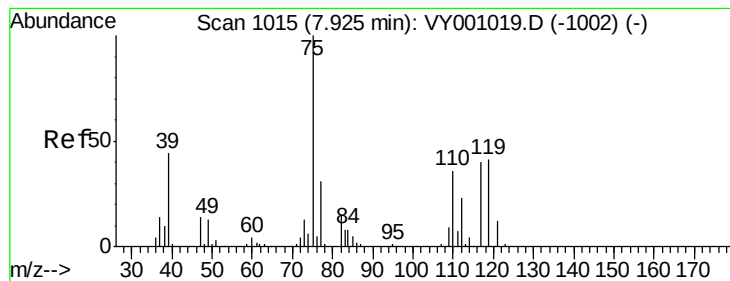


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY001077.D

Acq: 26 Dec 2019 17:04

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SOIL-DUPLICATE

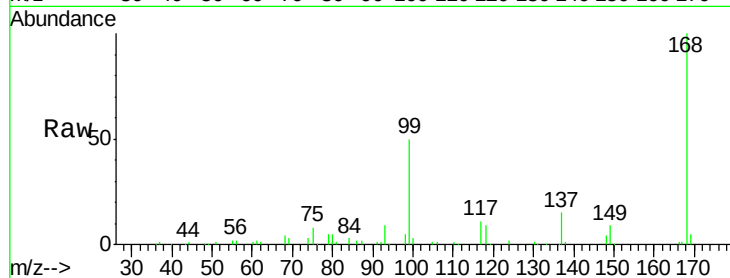
Tgt Ion: 75 Resp: 7177

Ion Ratio Lower Upper

75 100

110 5.7 18.1 54.4#

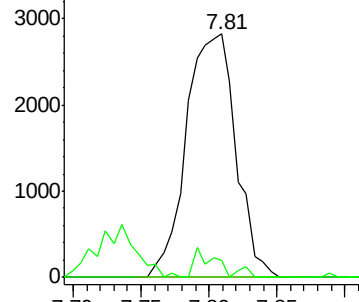
77 0.0 24.6 37.0#



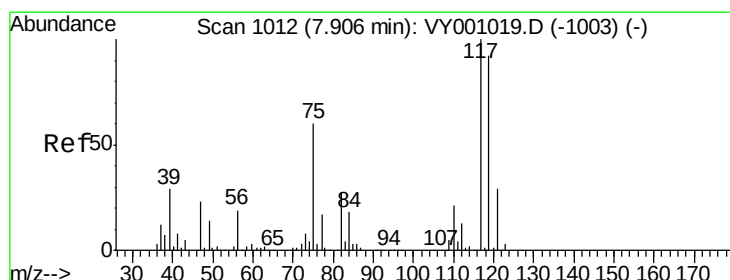
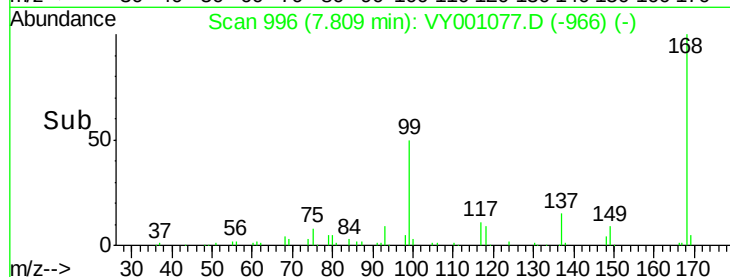
Abundance Ion 74.90 (74.60 to 75.60): VY001019.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VY001019.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VY001019.D (-1002) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 6.319 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY001077.D

Acq: 26 Dec 2019 17:04

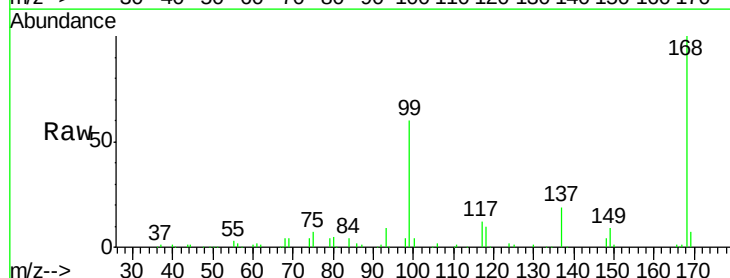
Tgt Ion: 117 Resp: 8533

Ion Ratio Lower Upper

117 100

119 3.3 74.2 111.2#

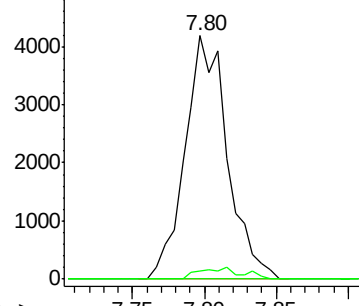
121 0.0 22.9 34.3#



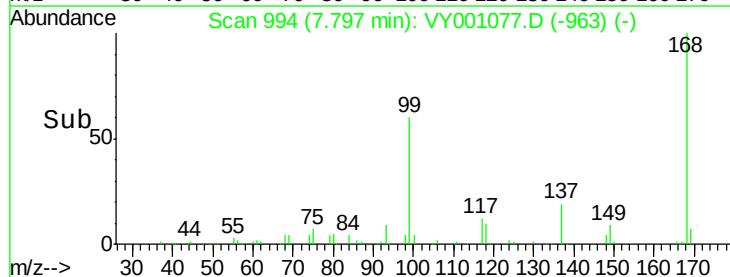
Abundance Ion 116.80 (116.50 to 117.50): VY001019.D (-1003) (-)

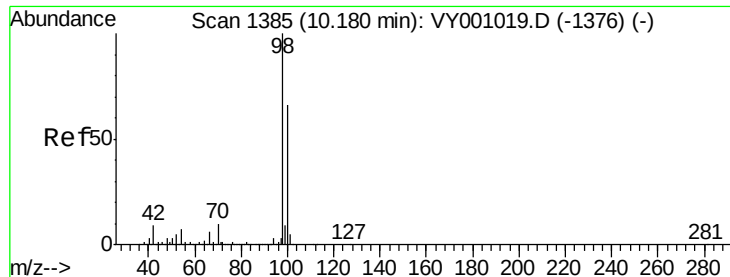
Ion 118.80 (118.50 to 119.50): VY001019.D (-1003) (-)

Ion 120.80 (120.50 to 121.50): VY001019.D (-1003) (-)



Time-->





#50

Toluene-d8

Concen: 49.362 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001077.D

Acq: 26 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

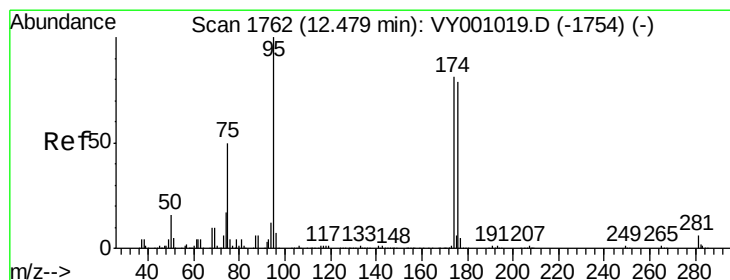
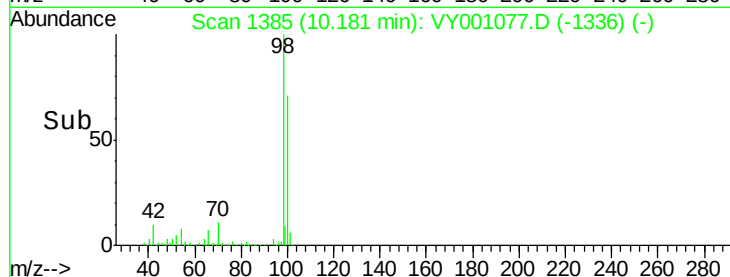
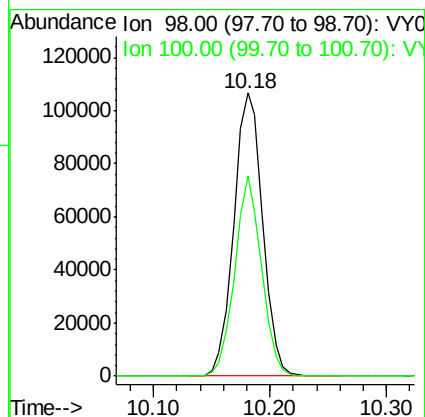
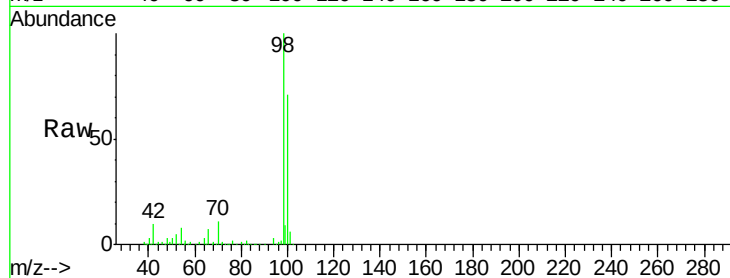
SOIL-DUPLICATE

Tgt Ion: 98 Resp: 183525

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 39.617 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001077.D

Acq: 26 Dec 2019 17:04

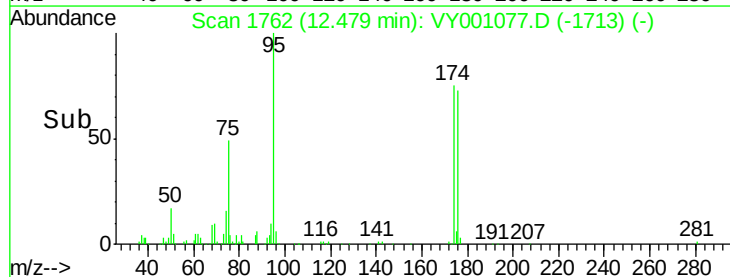
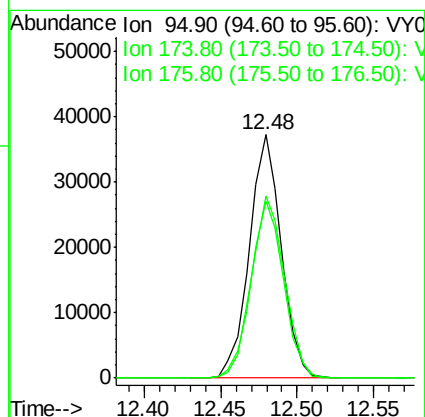
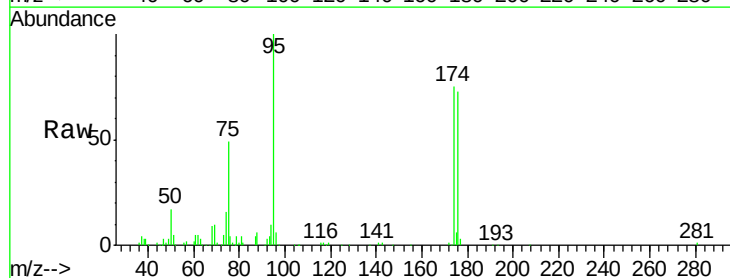
Tgt Ion: 95 Resp: 53853

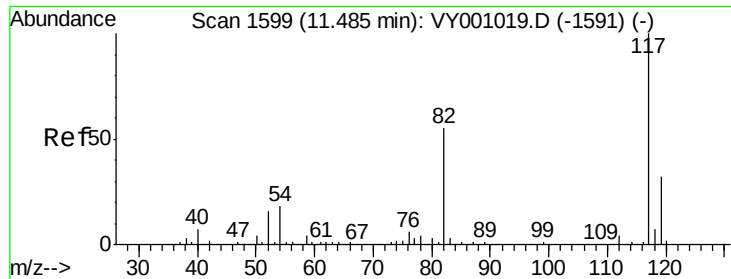
Ion Ratio Lower Upper

95 100

174 77.9 0.0 156.4

176 74.7 0.0 155.0

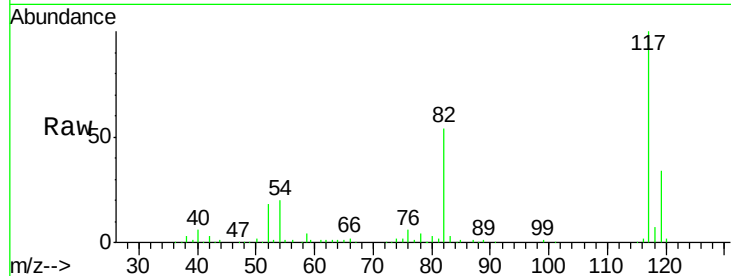




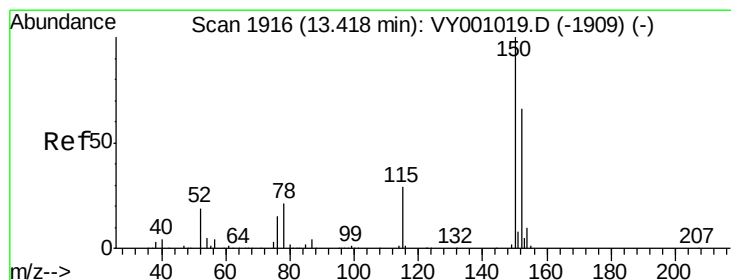
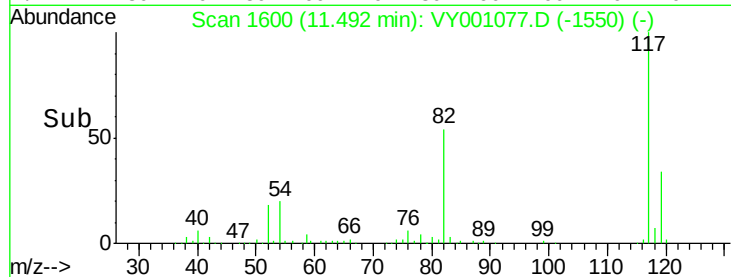
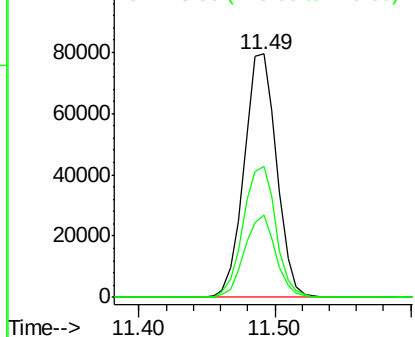
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001077.D
Acq: 26 Dec 2019 17:04

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-DUPLICATE

Tgt Ion:117 Resp: 132778
Ion Ratio Lower Upper
117 100
82 53.7 43.8 65.8
119 33.9 25.8 38.6

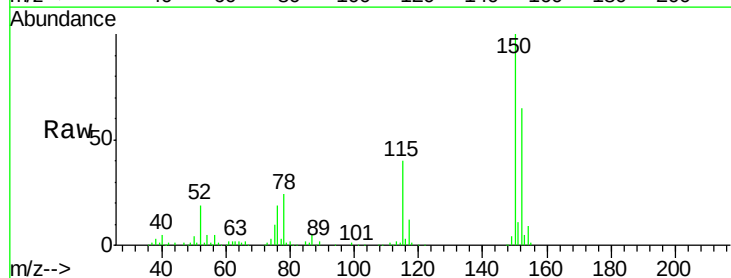


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

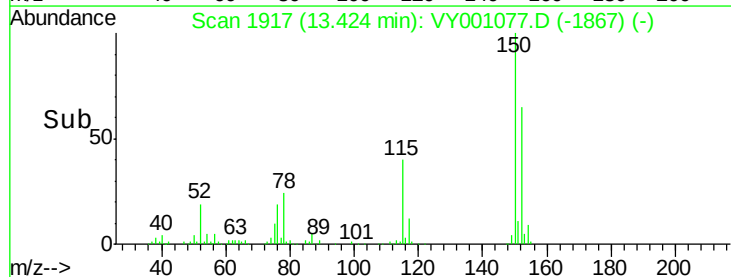
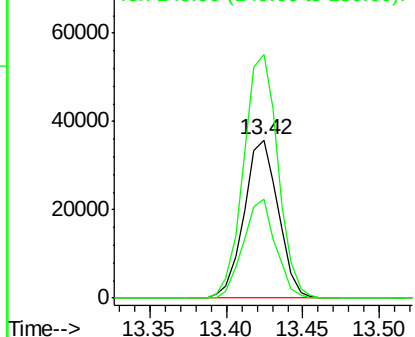


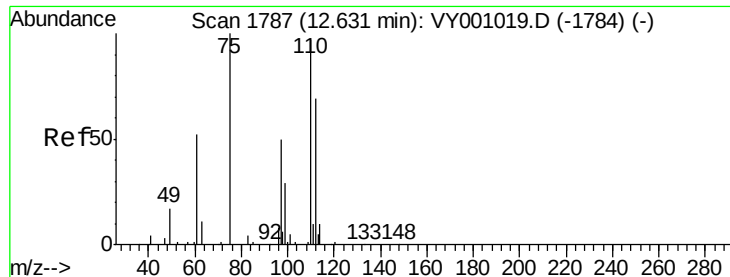
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001077.D
Acq: 26 Dec 2019 17:04

Tgt Ion:152 Resp: 55599
Ion Ratio Lower Upper
152 100
115 59.0 29.8 89.3
150 154.4 0.0 352.6



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: 38.566 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001077.D

Acq: 26 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

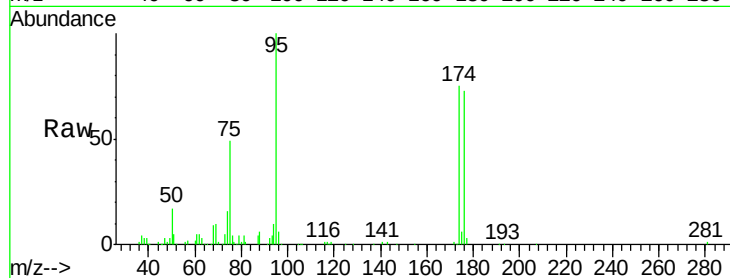
SOIL-DUPLICATE

Tgt Ion: 75 Resp: 26434

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.48

20000

15000

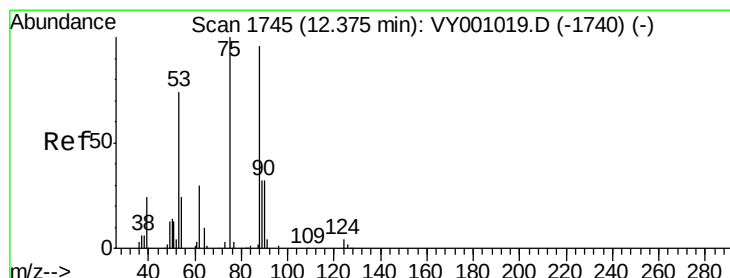
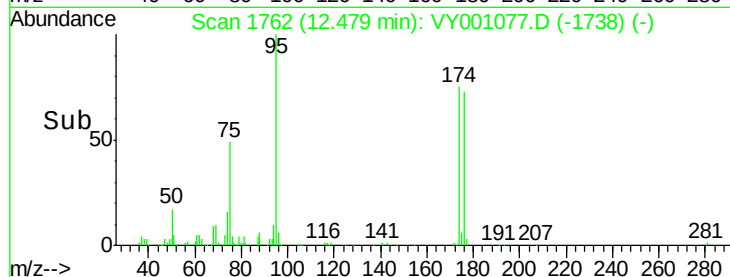
10000

5000

0

Time-->

12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 82.252 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001077.D

Acq: 26 Dec 2019 17:04

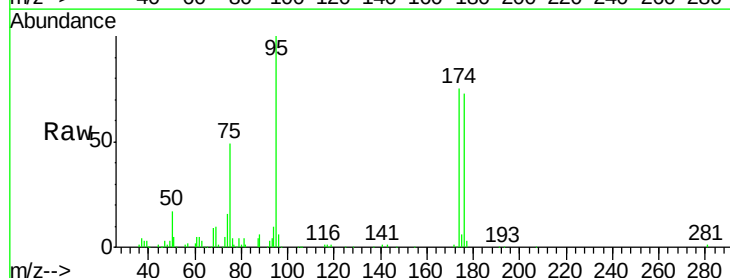
Tgt Ion: 75 Resp: 26434

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.0 35.4 53.0#



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

25000

20000

15000

10000

5000

0

Time-->

12.40 12.45 12.50 12.55

