

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011320\
 Data File : VY001181.D
 Acq On : 13 Jan 2020 15:17
 Operator : SY/MD
 Sample : L1091-01RE
 Misc : 5.17G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAVEL-SOIL

Quant Time: Jan 14 10:12:51 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	7.80	168	142485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	260010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	219896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	80229	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	79117	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
35) Dibromofluoromethane	7.73	113	77655	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
50) Toluene-d8	10.18	98	302901	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.48	95	97439	40.63	ug/l	0.00
Spiked Amount			Recovery	=	81.26%	

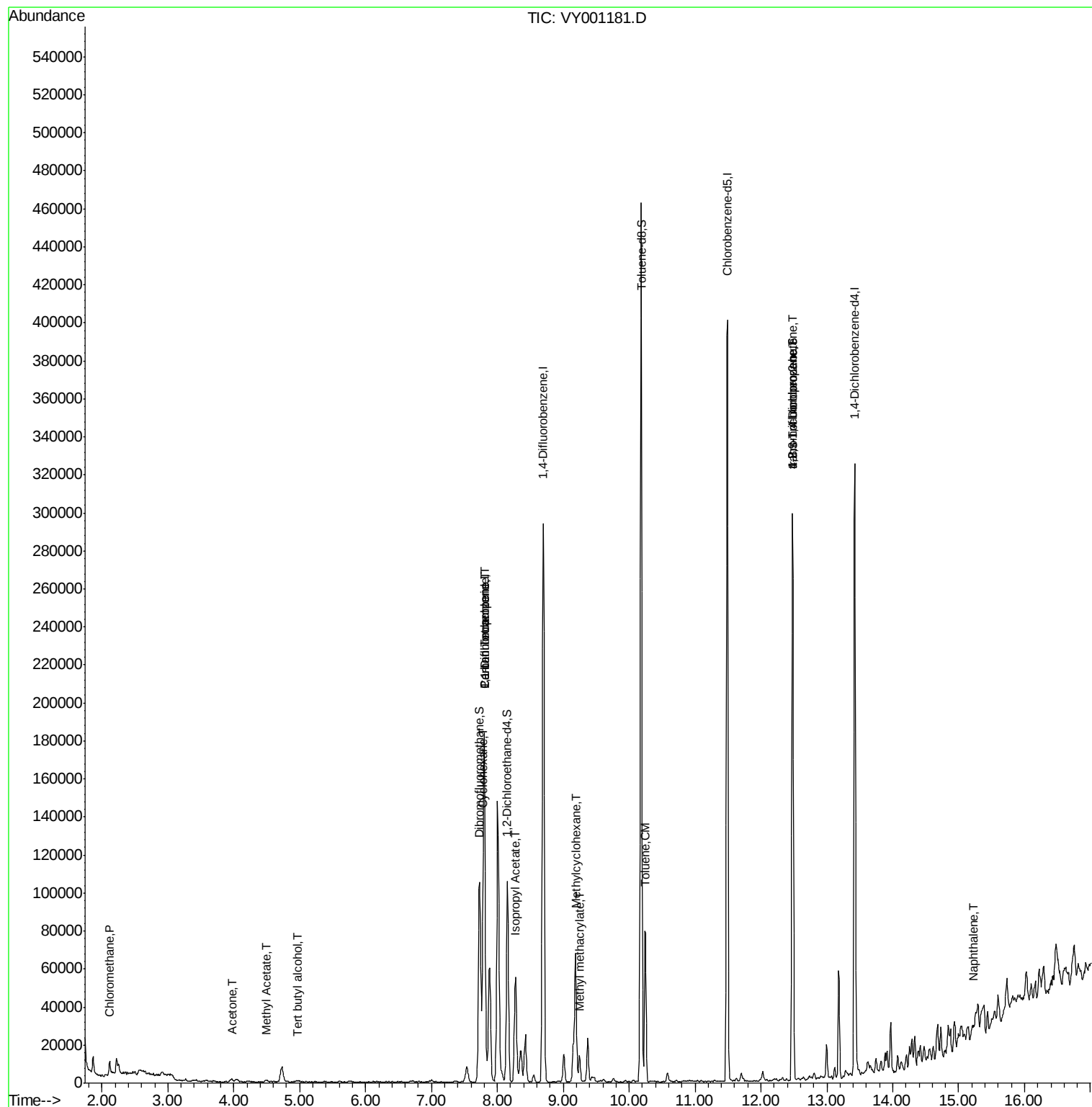
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	5406	3.427	ug/l	98
11) Tert butyl alcohol	4.97	59	796	5.257	ug/l #	91
16) Acetone	3.96	43	3569	10.212	ug/l	94
18) Methyl Acetate	4.49	43	2271	1.965	ug/l	93
20) Methylene Chloride	4.72	84	6222	Below Cal		88
31) Cyclohexane	7.78	56	7121	2.447	ug/l #	74
36) 1,1-Dichloropropene	7.80	75	10462	4.415	ug/l #	48
38) Carbon Tetrachloride	7.80	117	13468	6.201	ug/l #	16
39) Methylcyclohexane	9.19	83	30878	9.611	ug/l	99
43) Isopropyl Acetate	8.27	43	32014	12.038	ug/l #	51
48) Methyl methacrylate	9.25	41	2340	1.901	ug/l #	43
52) Toluene	10.25	92	33501	7.593	ug/l	100
76) 1,2,3-Trichloropropane	12.48	75	46612	54.272	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	46612	92.034	ug/l #	6
95) Naphthalene	15.23	128	4117	1.146	ug/l #	87

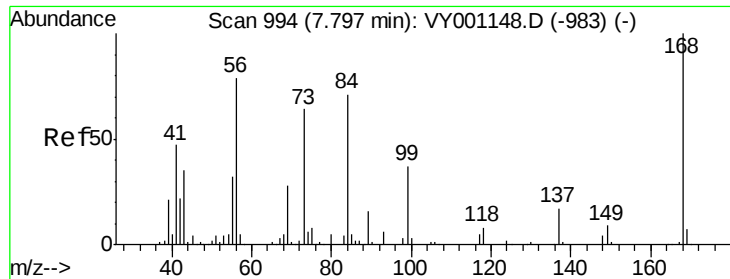
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY011320\
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Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001181.D

Acq: 13 Jan 2020 15:17

Instrument :

MSVOA_Y

ClientSampleId :

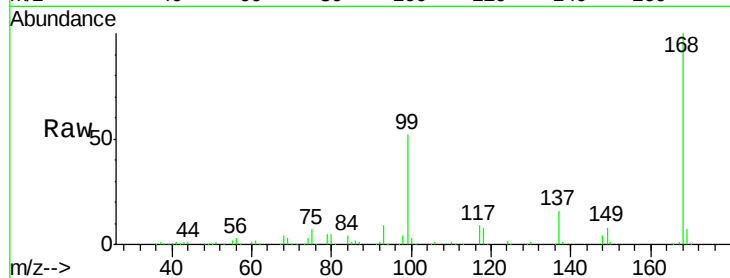
GRAVEL-SOIL

Tgt Ion:168 Resp: 142485

Ion Ratio Lower Upper

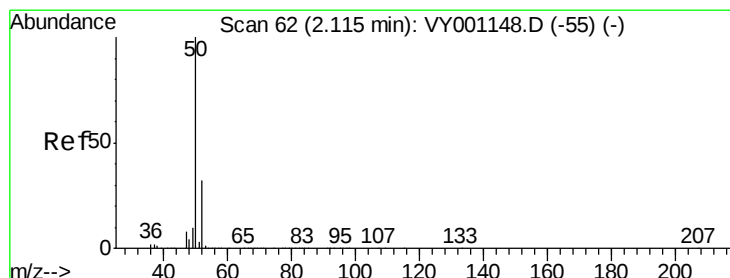
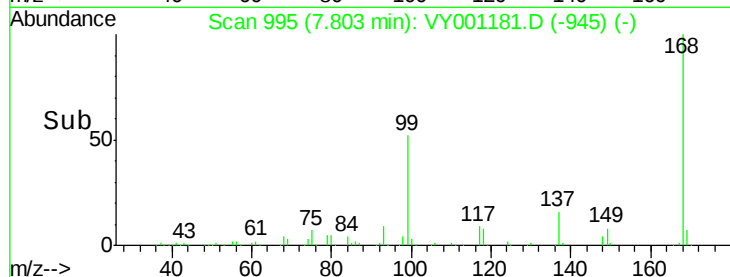
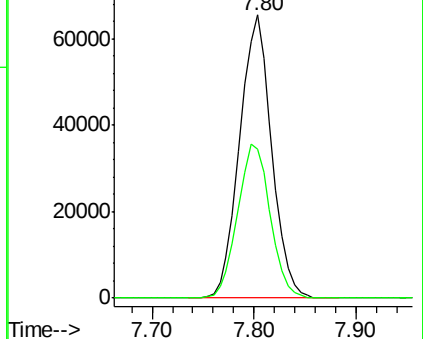
168 100

99 52.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001181.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001181.D (-945) (-)



#3

Chloromethane

Concen: 3.427 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001181.D

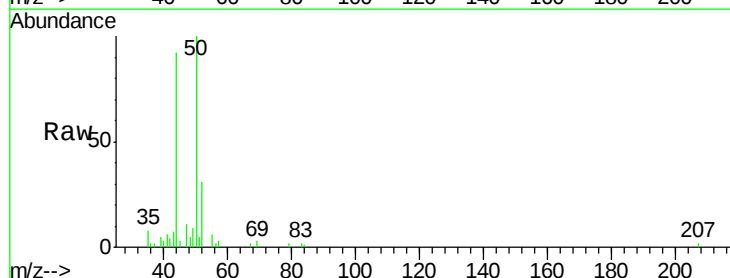
Acq: 13 Jan 2020 15:17

Tgt Ion: 50 Resp: 5406

Ion Ratio Lower Upper

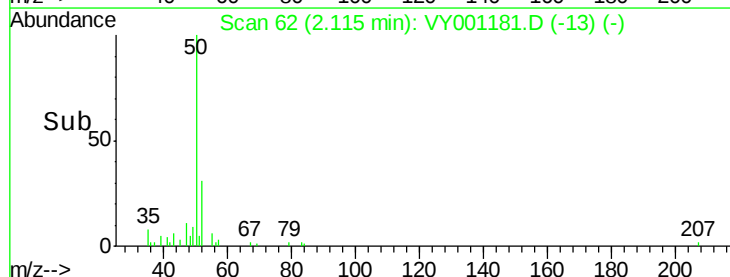
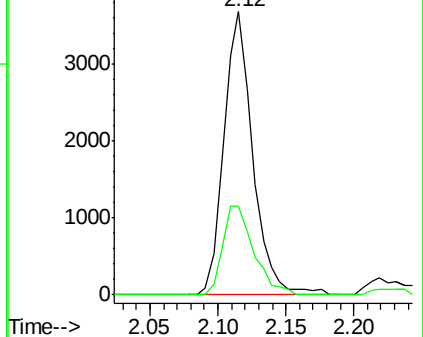
50 100

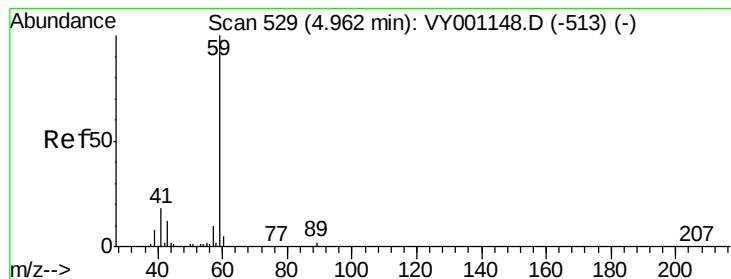
52 31.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001181.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY001181.D (-13) (-)



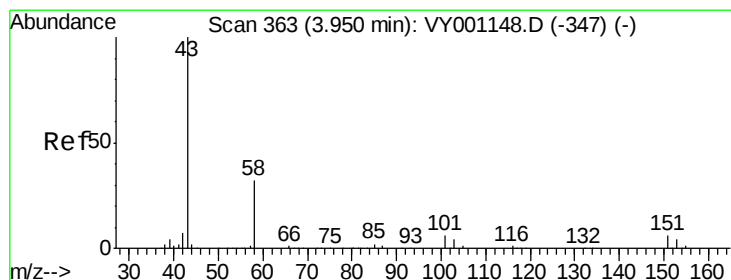
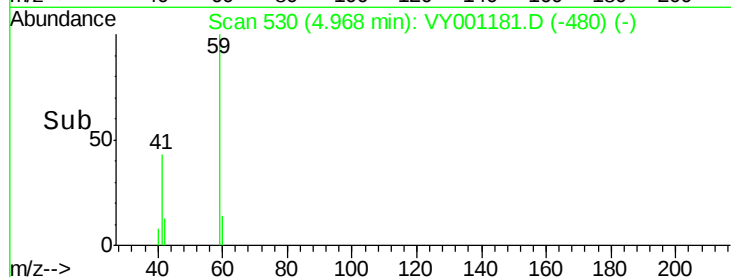
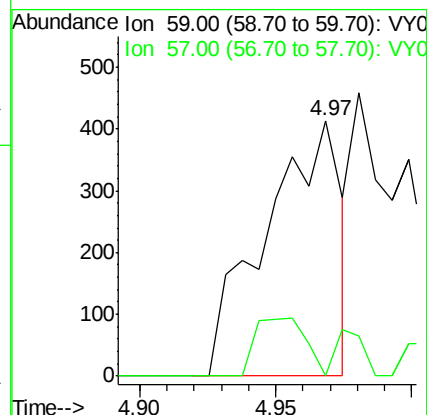
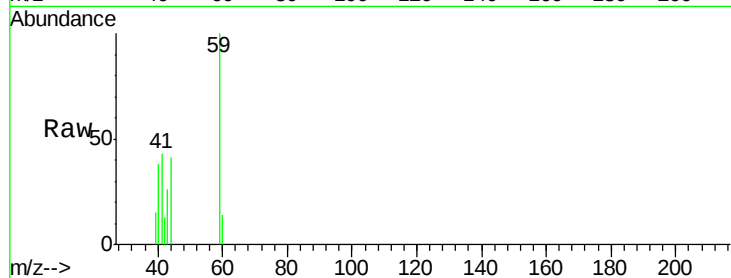


#11

Tert butyl alcohol
 Concen: 5.257 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY001181.D
 Acq: 13 Jan 2020 15:17

Instrument :
 MSVOA_Y
 ClientSampled :
 GRAVEL-SOIL

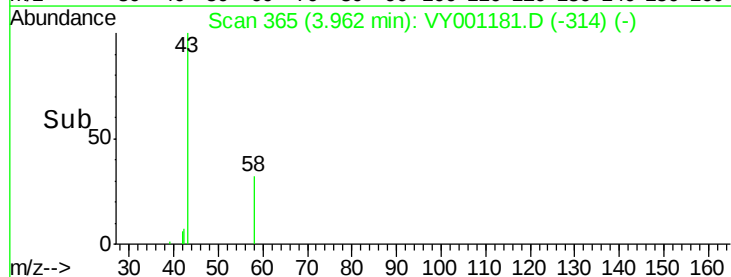
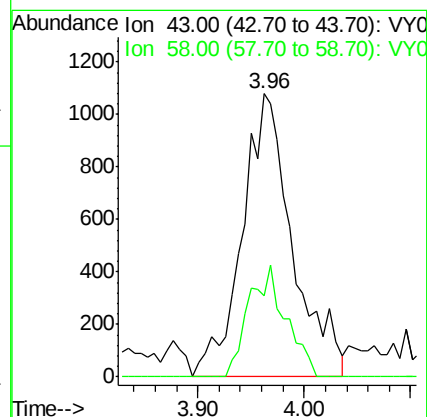
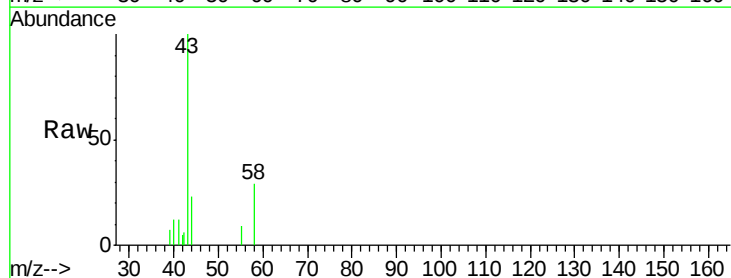
Tgt Ion: 59 Resp: 796
 Ion Ratio Lower Upper
 59 100
 57 6.4 7.8 11.8#

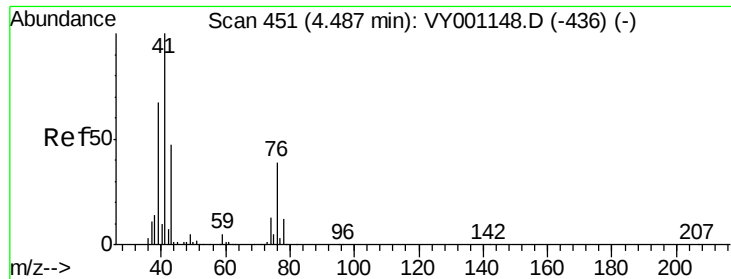


#16

Acetone
 Concen: 10.212 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY001181.D
 Acq: 13 Jan 2020 15:17

Tgt Ion: 43 Resp: 3569
 Ion Ratio Lower Upper
 43 100
 58 28.8 25.8 38.6

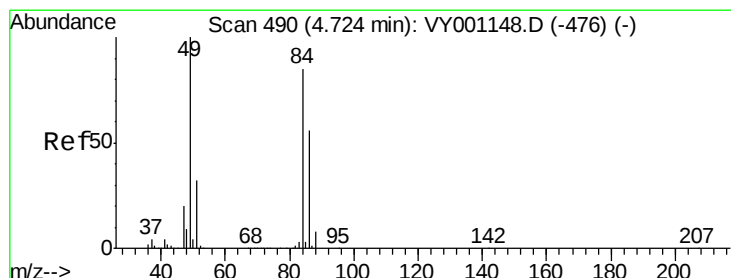
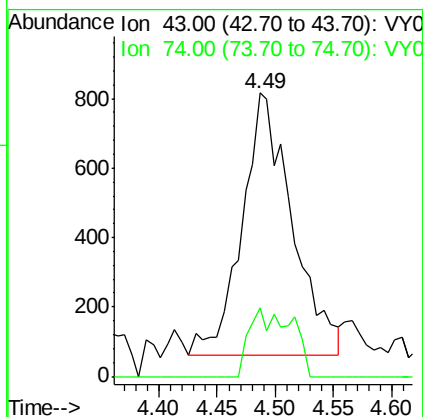
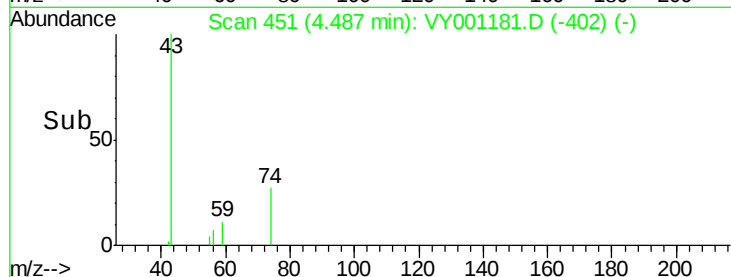
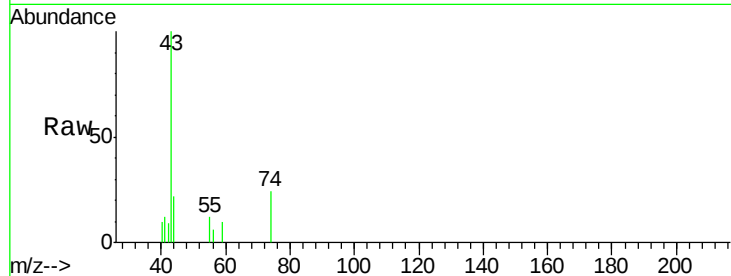




#18
Methyl Acetate
Concen: 1.965 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001181.D
Acq: 13 Jan 2020 15:17

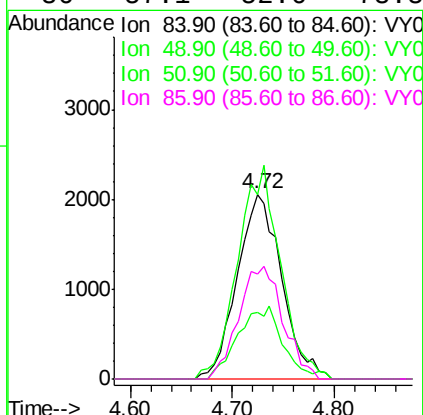
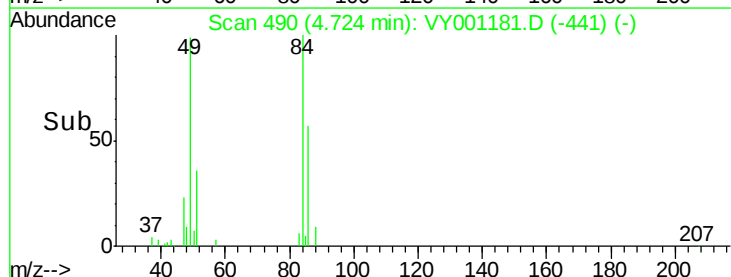
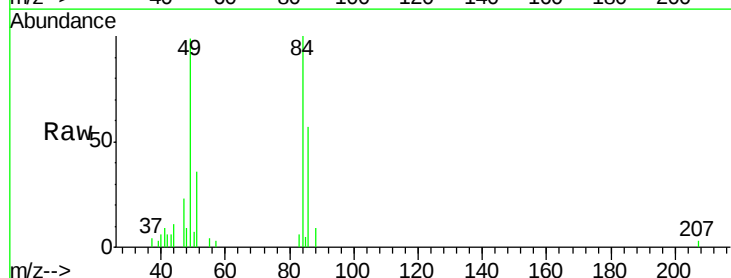
Instrument :
MSVOA_Y
ClientSampleId :
GRAVEL-SOIL

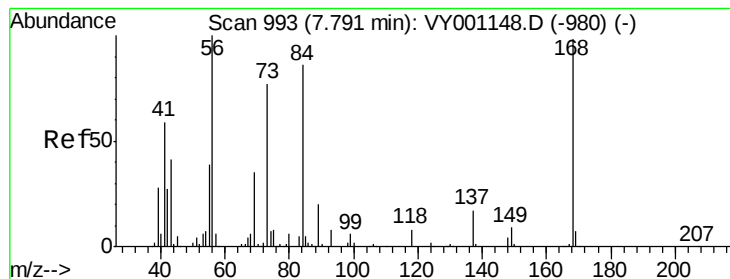
Tgt Ion: 43 Resp: 2271
Ion Ratio Lower Upper
43 100
74 21.6 20.2 30.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001181.D
Acq: 13 Jan 2020 15:17

Tgt Ion: 84 Resp: 6222
Ion Ratio Lower Upper
84 100
49 99.4 93.8 140.6
51 35.8 29.9 44.9
86 57.1 52.6 78.8





#31

Cyclohexane

Concen: 2.447 ug/l

RT: 7.78 min Scan# 991

Delta R.T. -0.01 min

Lab File: VY001181.D

Acq: 13 Jan 2020 15:17

Instrument :

MSVOA_Y

ClientSampleId :

GRAVEL-SOIL

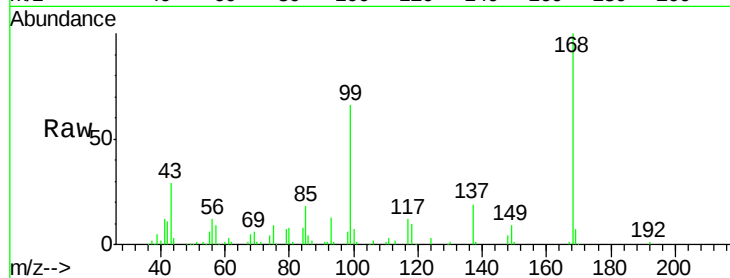
Tgt Ion: 56 Resp: 7121

Ion Ratio Lower Upper

56 100

69 49.6 27.8 41.8#

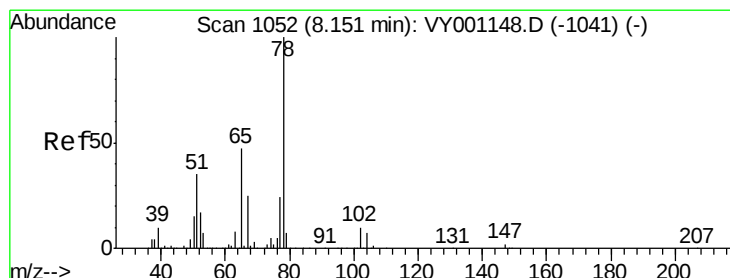
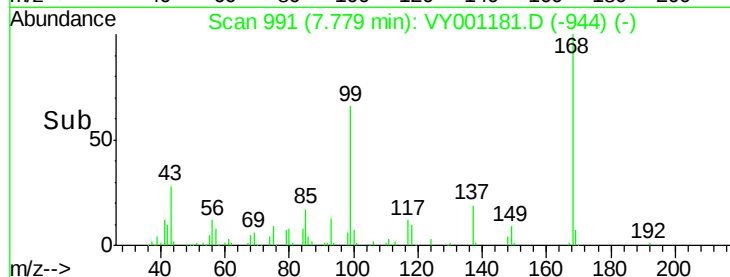
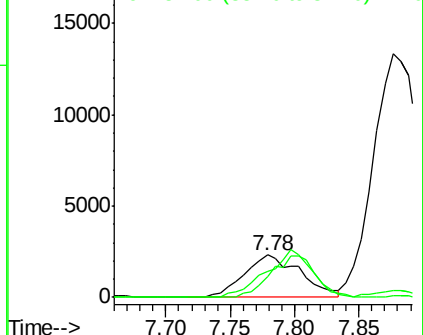
84 62.3 68.9 103.3#



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: 52.573 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001181.D

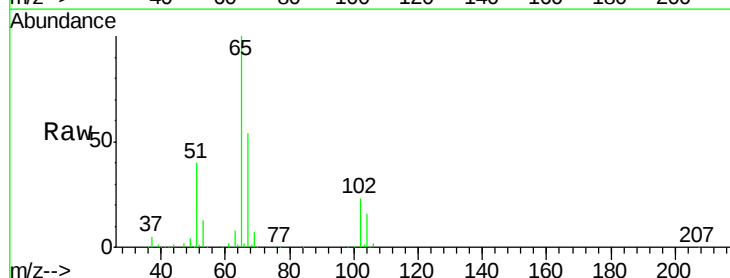
Acq: 13 Jan 2020 15:17

Tgt Ion: 65 Resp: 79117

Ion Ratio Lower Upper

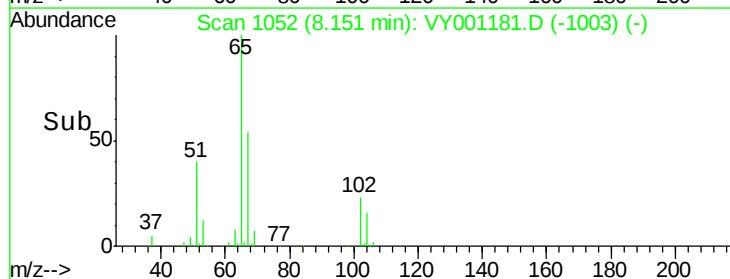
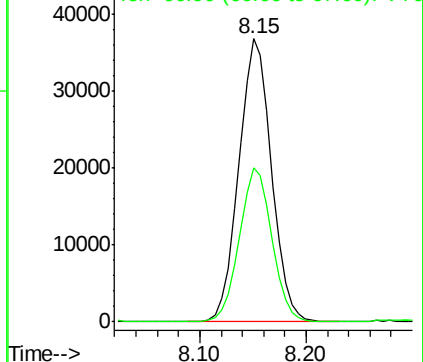
65 100

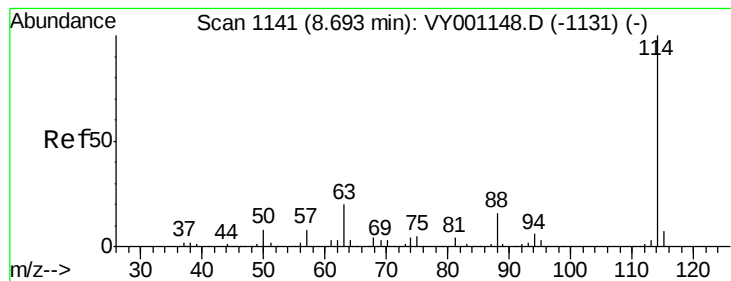
67 54.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001181.D

Acq: 13 Jan 2020 15:17

Instrument :

MSVOA_Y

ClientSampleId :

GRAVEL-SOIL

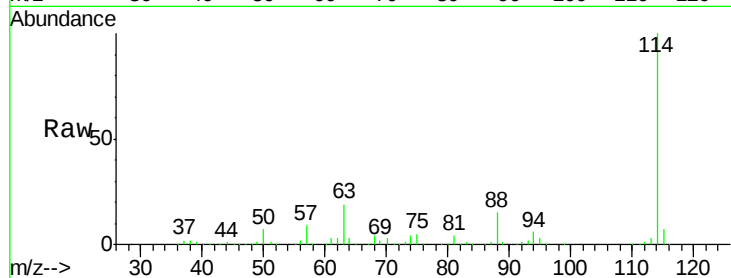
Tgt Ion:114 Resp: 260010

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.8

88 15.5 0.0 32.4



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

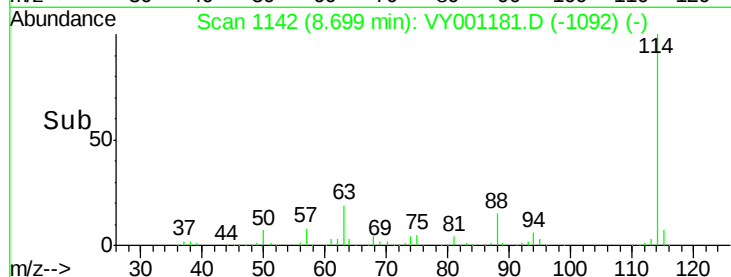
150000

100000

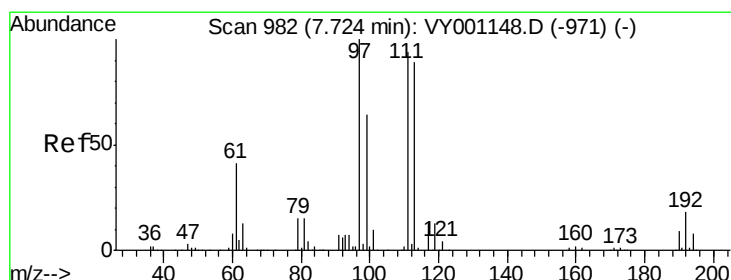
50000

0

8.60 8.65 8.70 8.75 8.80



Time-->



#35

Dibromofluoromethane

Concen: 51.010 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001181.D

Acq: 13 Jan 2020 15:17

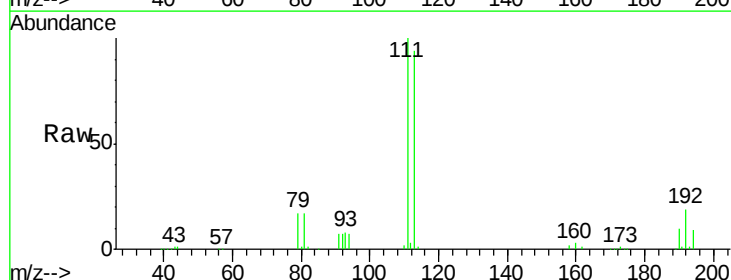
Tgt Ion:113 Resp: 77655

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

192 19.6 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

40000

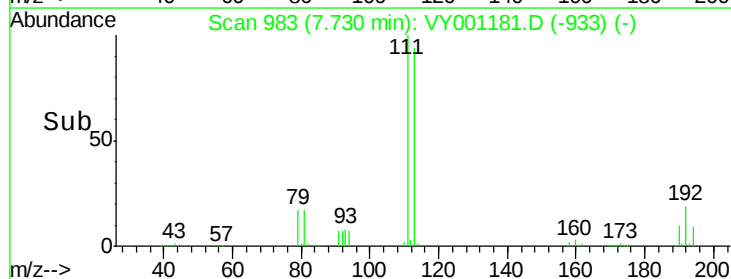
30000

20000

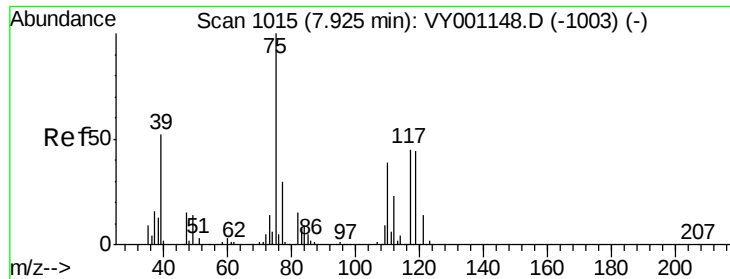
10000

0

7.60 7.70 7.80



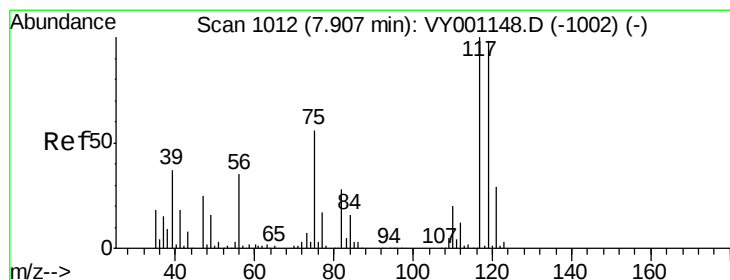
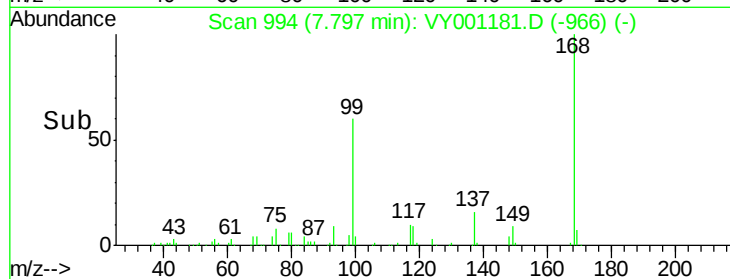
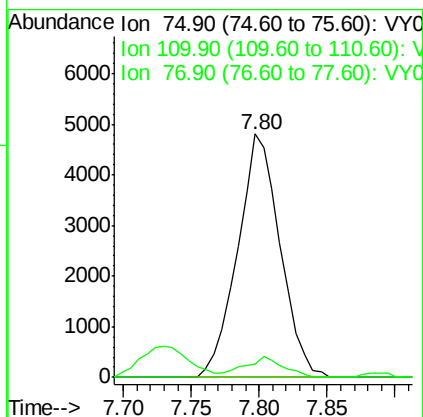
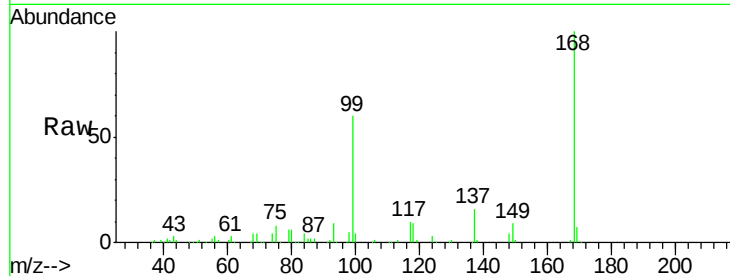
Time-->



#36
 1,1-Dichloropropene
 Concen: 4.415 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001181.D
 Acq: 13 Jan 2020 15:17

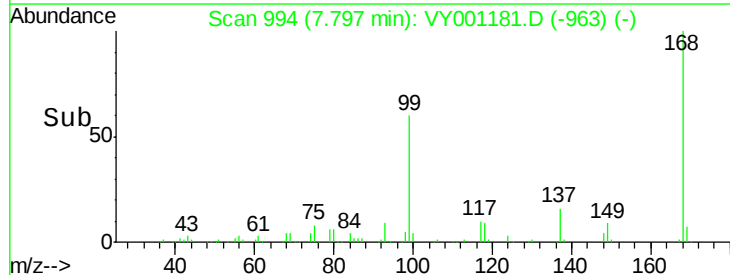
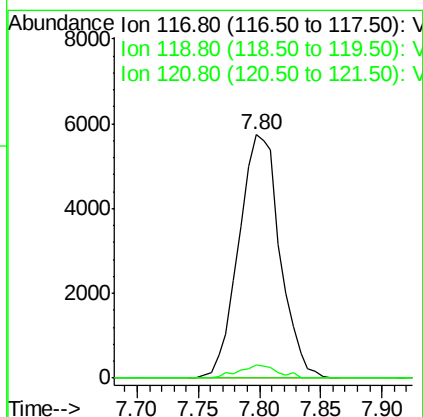
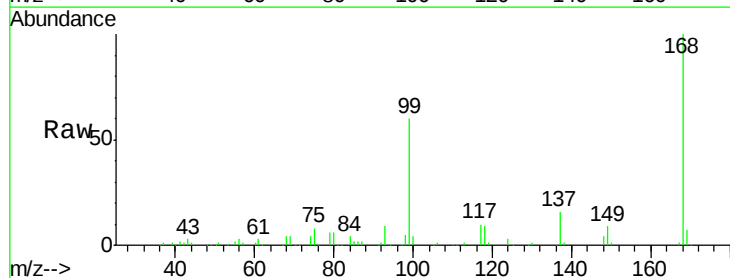
Instrument :
 MSVOA_Y
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 GRAVEL-SOIL

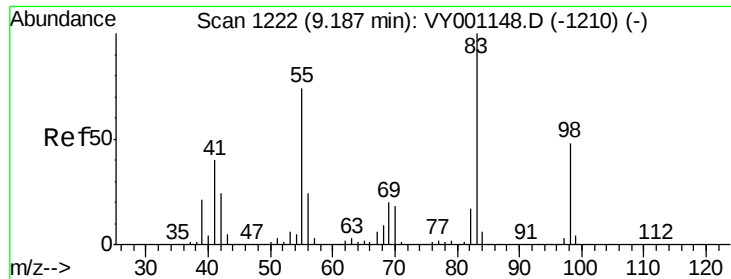
Tgt Ion: 75 Resp: 10462
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.201 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001181.D
 Acq: 13 Jan 2020 15:17

Tgt Ion: 117 Resp: 13468
 Ion Ratio Lower Upper
 117 100
 119 5.6 78.3 117.5#
 121 0.0 23.5 35.3#

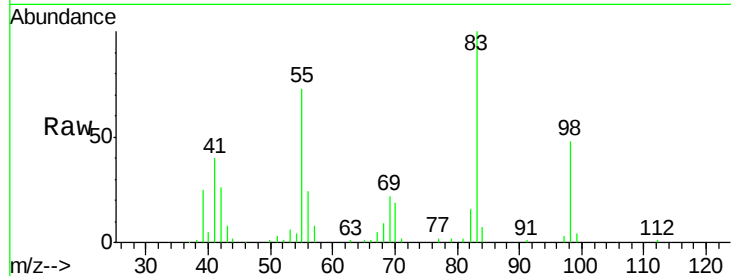




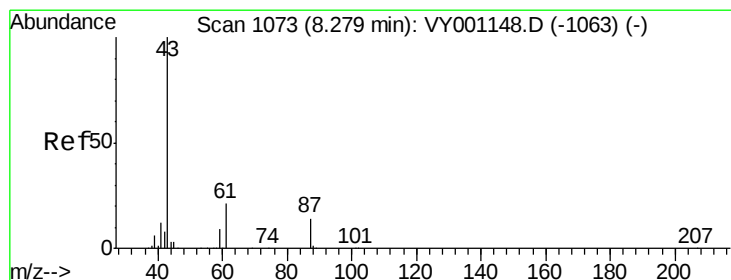
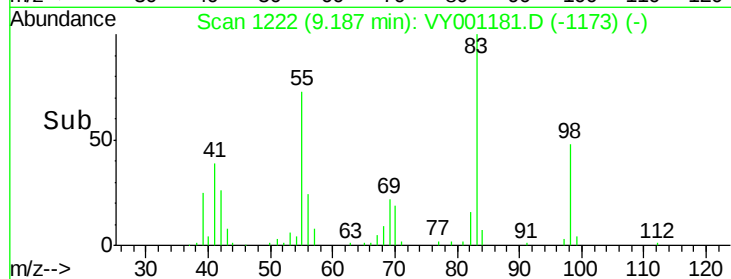
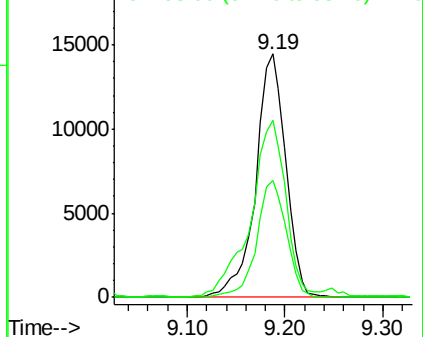
#39
Methylcyclohexane
Concen: 9.611 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001181.D
Acq: 13 Jan 2020 15:17

Instrument :
MSVOA_Y
ClientSampleId :
GRAVEL-SOIL

Tgt Ion: 83 Resp: 30878
Ion Ratio Lower Upper
83 100
55 72.5 58.9 88.3
98 48.0 38.4 57.6

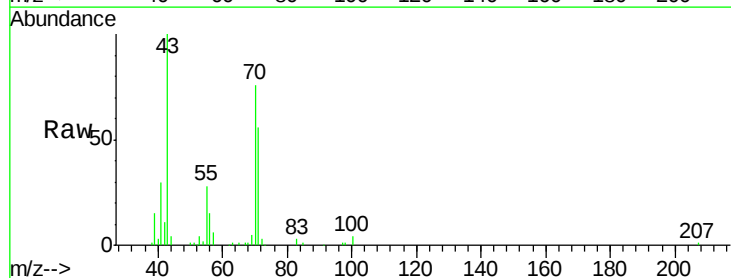


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

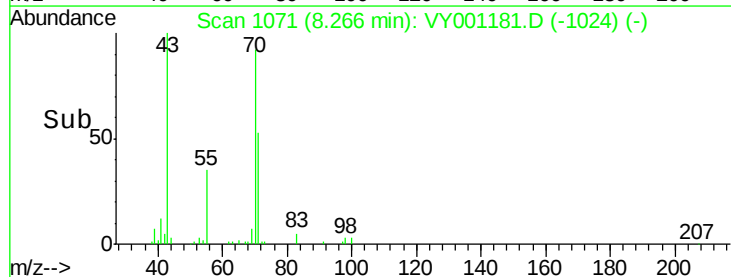
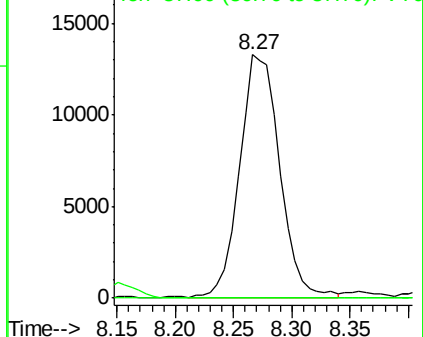


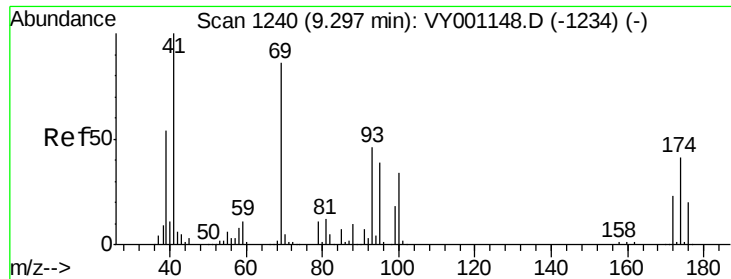
#43
Isopropyl Acetate
Concen: 12.038 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. -0.01 min
Lab File: VY001181.D
Acq: 13 Jan 2020 15:17

Tgt Ion: 43 Resp: 32014
Ion Ratio Lower Upper
43 100
61 0.0 23.9 35.9#
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

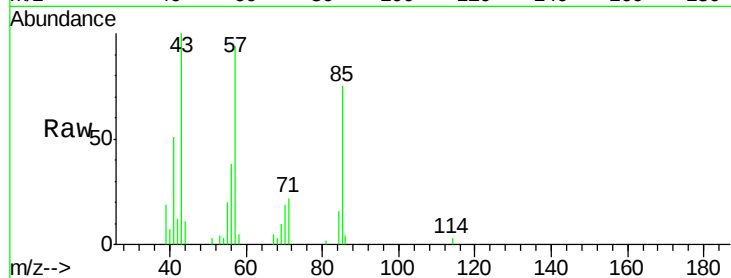




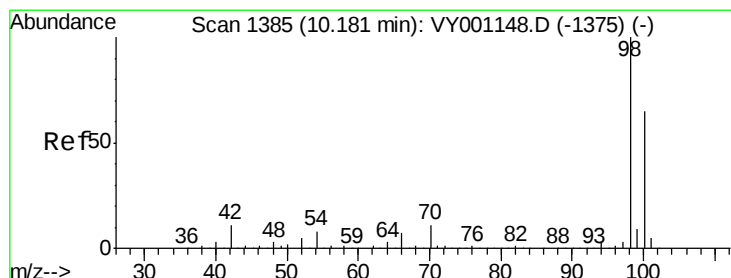
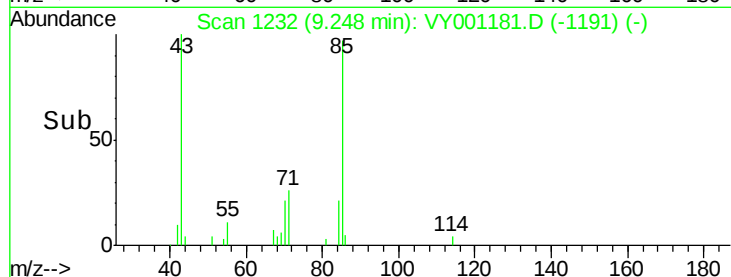
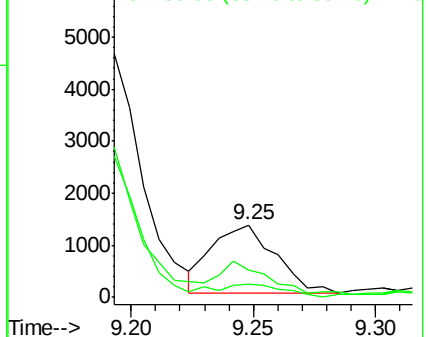
#48
Methyl methacrylate
Concen: 1.901 ug/l
RT: 9.25 min Scan# 1232
Delta R.T. -0.05 min
Lab File: VY001181.D
Acq: 13 Jan 2020 15:17

Instrument :
MSVOA_Y
ClientSampleId :
GRAVEL-SOIL

Tgt Ion: 41 Resp: 2340
Ion Ratio Lower Upper
41 100
69 16.6 69.8 104.8#
39 37.1 45.2 67.8#

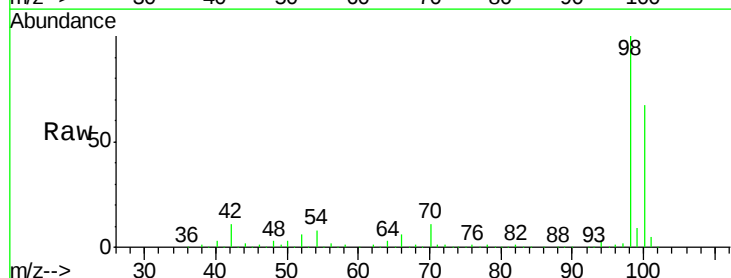


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

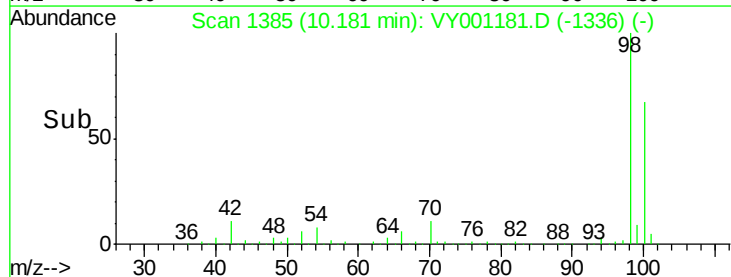
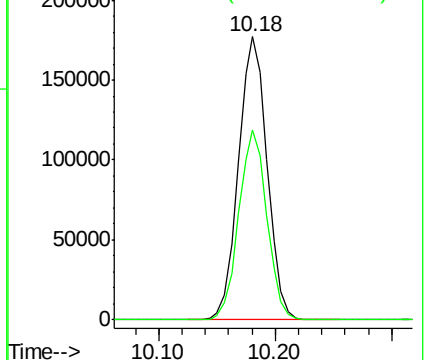


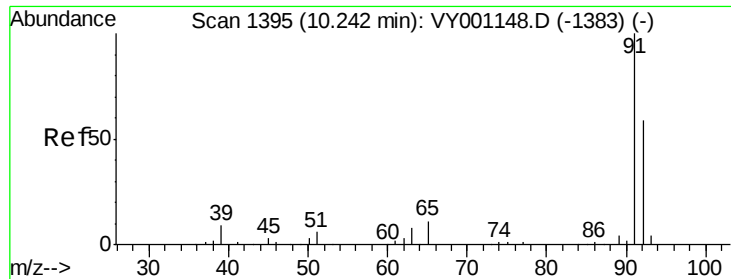
#50
Toluene-d8
Concen: 51.638 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001181.D
Acq: 13 Jan 2020 15:17

Tgt Ion: 98 Resp: 302901
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#52

Toluene

Concen: 7.593 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY001181.D

Acq: 13 Jan 2020 15:17

Instrument :

MSVOA_Y

ClientSampleId :

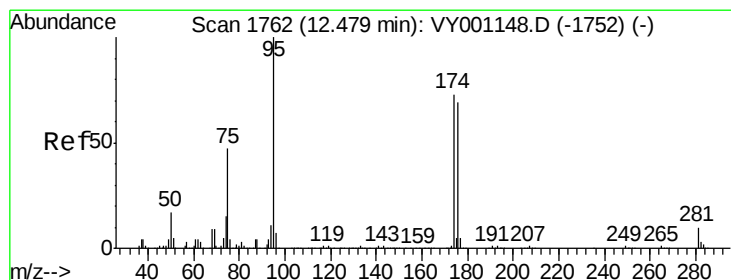
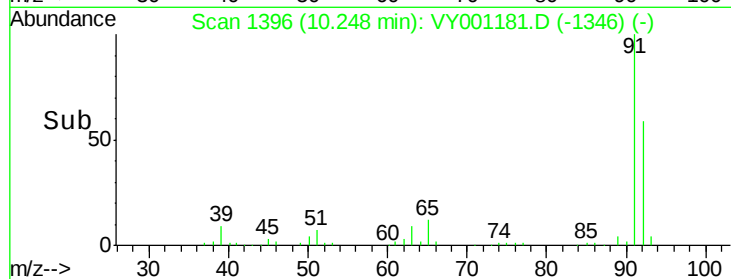
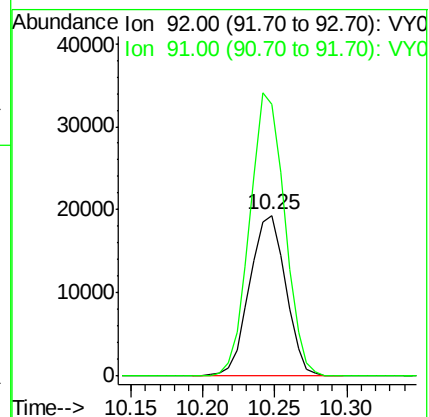
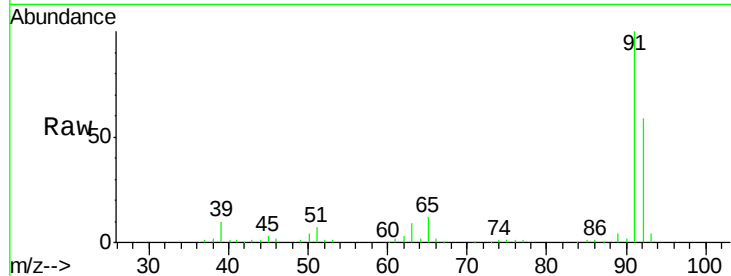
GRAVEL-SOIL

Tgt Ion: 92 Resp: 33501

Ion Ratio Lower Upper

92 100

91 170.4 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 40.631 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001181.D

Acq: 13 Jan 2020 15:17

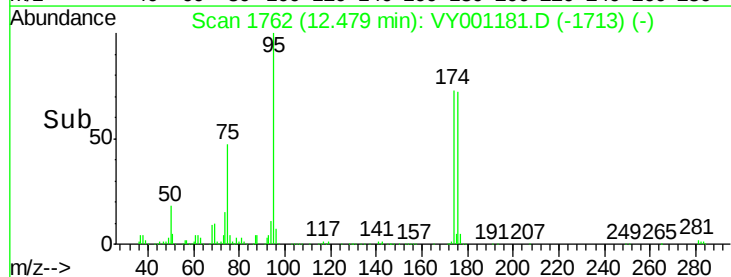
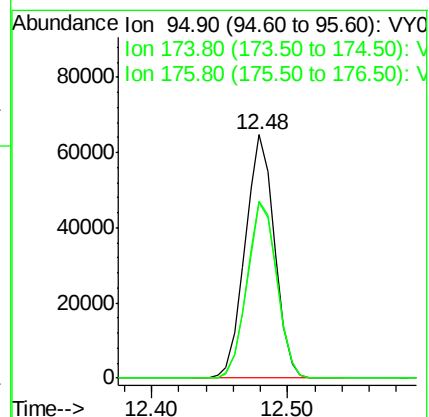
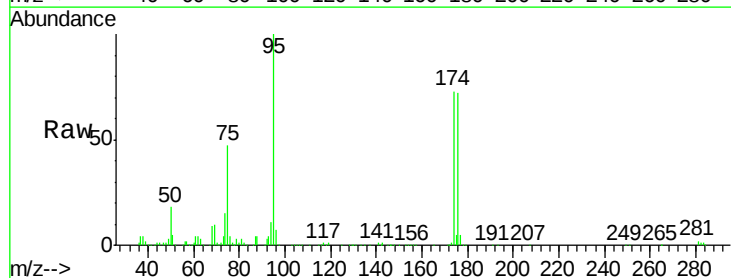
Tgt Ion: 95 Resp: 97439

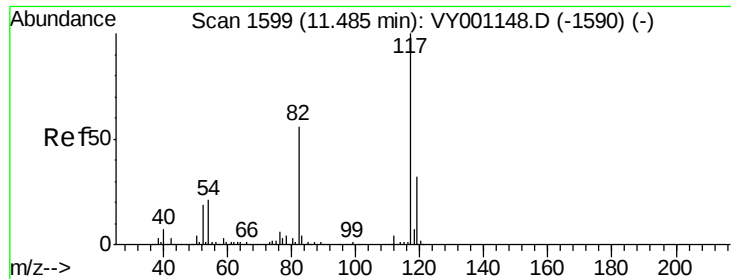
Ion Ratio Lower Upper

95 100

174 74.2 0.0 143.2

176 73.6 0.0 136.0

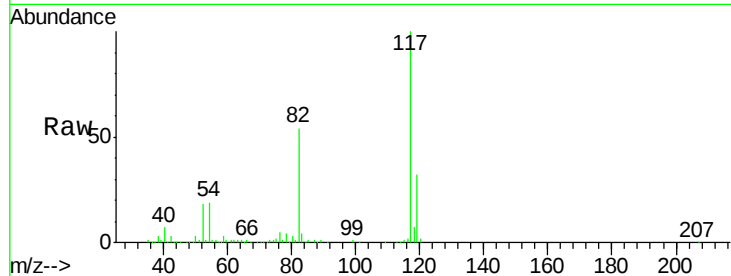




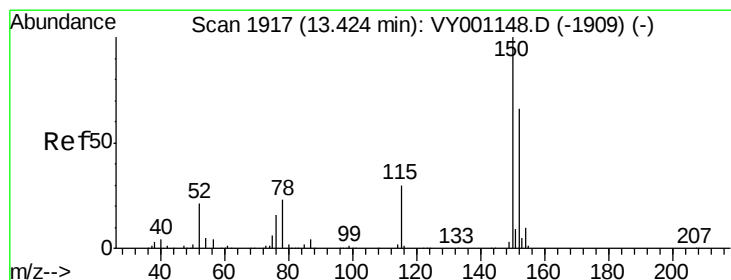
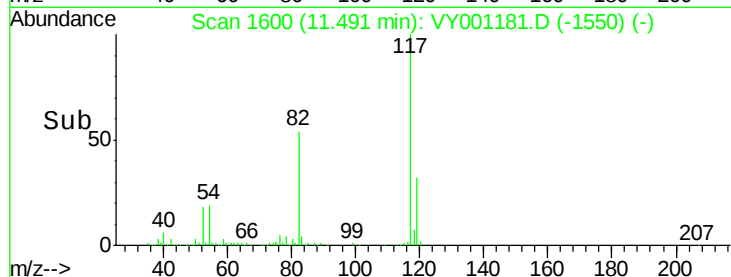
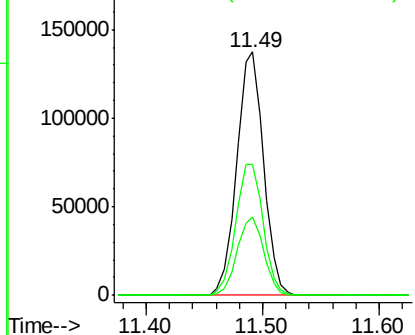
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001181.D
Acq: 13 Jan 2020 15:17

Instrument :
MSVOA_Y
ClientSampleId :
GRAVEL-SOIL

Tgt Ion:117 Resp: 219896
Ion Ratio Lower Upper
117 100
82 53.6 44.9 67.3
119 32.1 25.7 38.5

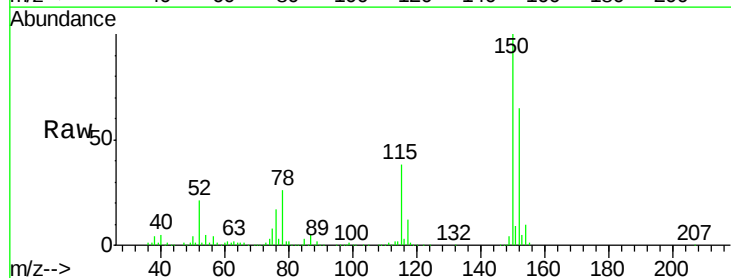


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

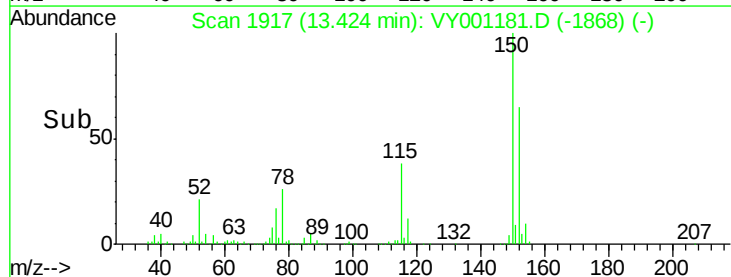
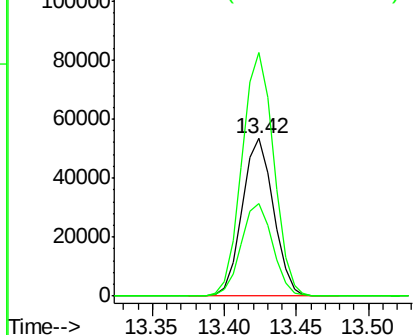


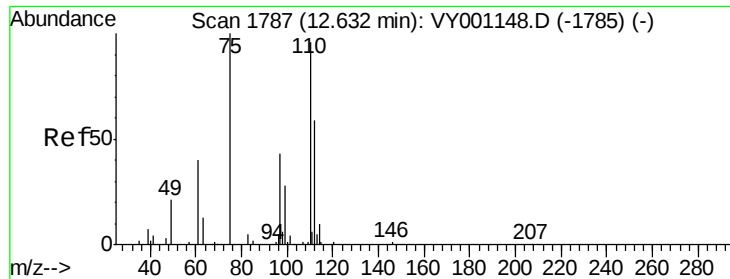
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001181.D
Acq: 13 Jan 2020 15:17

Tgt Ion:152 Resp: 80229
Ion Ratio Lower Upper
152 100
115 59.4 30.9 92.5
150 157.0 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

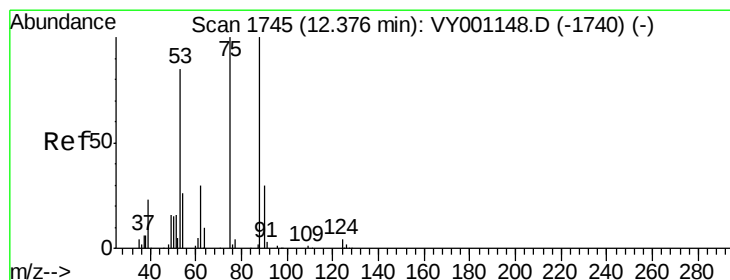
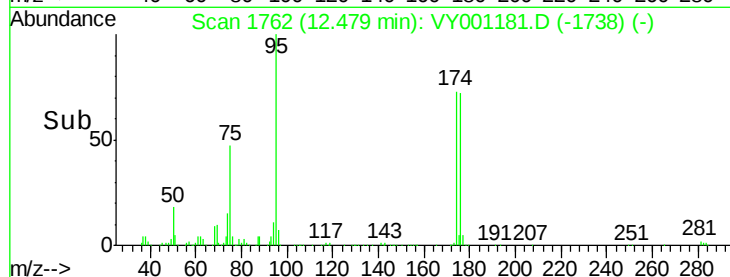
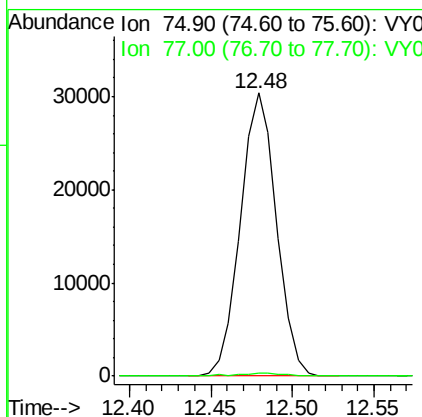
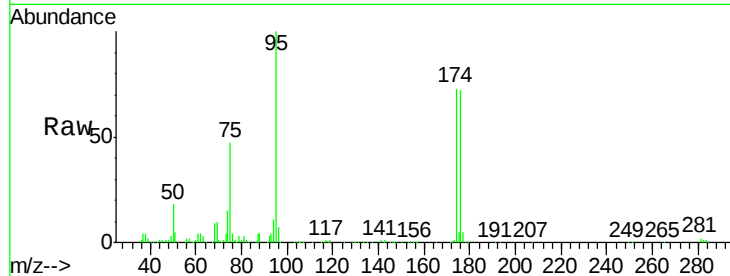




#76
 1,2,3-Trichloropropane
 Concen: 54.272 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY001181.D
 Acq: 13 Jan 2020 15:17

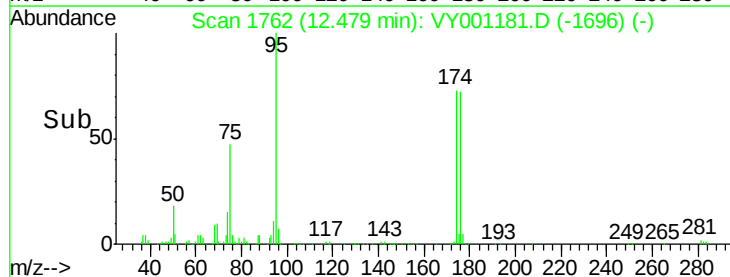
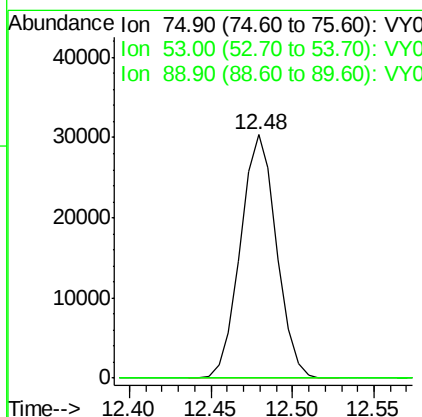
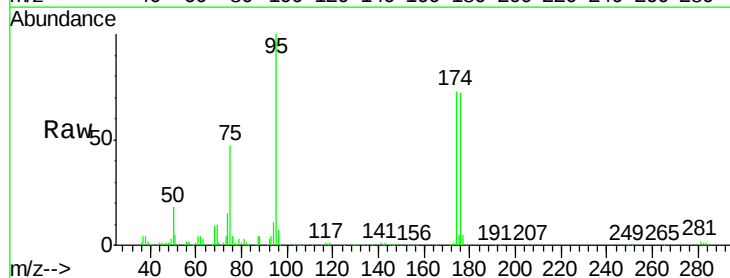
Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAVEL-SOIL

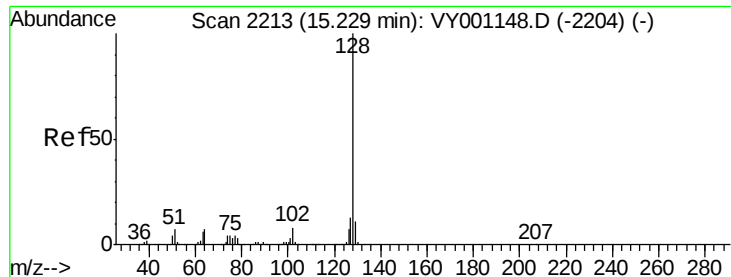
Tgt Ion: 75 Resp: 46612
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.034 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY001181.D
 Acq: 13 Jan 2020 15:17

Tgt Ion: 75 Resp: 46612
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.2#
 89 0.1 0.0 0.0#

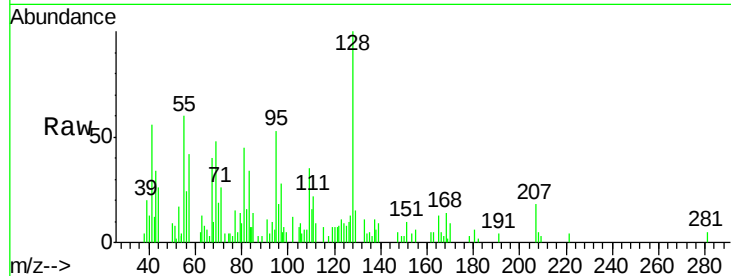




#95
 Naphthalene
 Concen: 1.146 ug/l
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VY001181.D
 Acq: 13 Jan 2020 15:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAVEL-SOIL

Tgt Ion:128 Resp: 4117
 Ion Ratio Lower Upper
 128 100
 127 17.5 10.2 15.4#
 129 16.4 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

