

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103019\
 Data File : VY000492.D
 Acq On : 30 Oct 2019 15:35
 Operator : SY/MD
 Sample : K5609-22DL2X
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

Quant Time: Oct 31 02:10:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	261294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	431419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	387876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	187035	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	137109	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	7.72	113	120040	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	10.18	98	488334	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.48	95	174836	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds					Qvalue
10) Methyl Iodide	4.09	142	120	3.231 ug/l #	41
14) Allyl chloride	4.72	41	7888	1.859 ug/l #	24
16) Acetone	3.96	43	217802	292.246 ug/l	98
19) Methyl tert-butyl Ether	5.22	73	269552	37.144 ug/l	94
20) Methylene Chloride	4.72	84	164962	51.657 ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	97184	32.936 ug/l	97
25) 2-Butanone	7.00	43	111266	93.548 ug/l	93
27) cis-1,2-Dichloroethene	7.00	96	127011	39.365 ug/l	90
28) Bromochloromethane	7.34	49	21	4.101 ug/l #	14
31) Cyclohexane	7.80	56	5892	1.126 ug/l #	34
36) 1,1-Dichloropropene	7.80	75	19586	4.802 ug/l #	49
37) Ethyl Acetate	7.00	43	111266	45.952 ug/l #	1
38) Carbon Tetrachloride	7.79	117	25873	6.593 ug/l #	15
42) 1,2-Dichloroethane	8.25	62	202866	59.819 ug/l	99
43) Isopropyl Acetate	8.35	43	138942	30.546 ug/l #	16
44) Trichloroethene	8.94	130	164652	52.227 ug/l	97
45) 1,2-Dichloropropane	9.22	63	225672	76.685 ug/l	95
48) Methyl methacrylate	9.22	41	120867	60.817 ug/l #	31
51) 4-Methyl-2-Pentanone	10.07	43	273988	113.295 ug/l	99
53) t-1,3-Dichloropropene	10.47	75	199966	48.733 ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	323927	68.910 ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	135525	57.895 ug/l	97
59) 2-Hexanone	10.83	43	104776	59.464 ug/l	100
60) Dibromochloromethane	10.99	129	80019	29.843 ug/l	100
61) 1,2-Dibromoethane	11.09	107	56627	25.159 ug/l	100
64) Tetrachloroethene	10.72	164	173067	53.961 ug/l	97
65) Chlorobenzene	11.52	112	418727	53.245 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	121930	44.706 ug/l	99
67) Ethyl Benzene	11.70	91	811563	56.073 ug/l #	65
68) m/p-Xylenes	11.70	106	406077	72.491 ug/l	97
69) o-Xylene	12.03	106	397521	75.507 ug/l	99
70) Styrene	12.04	104	404464	44.865 ug/l	93
71) Bromoform	12.21	173	135937	86.655 ug/l #	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	184594	67.443 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

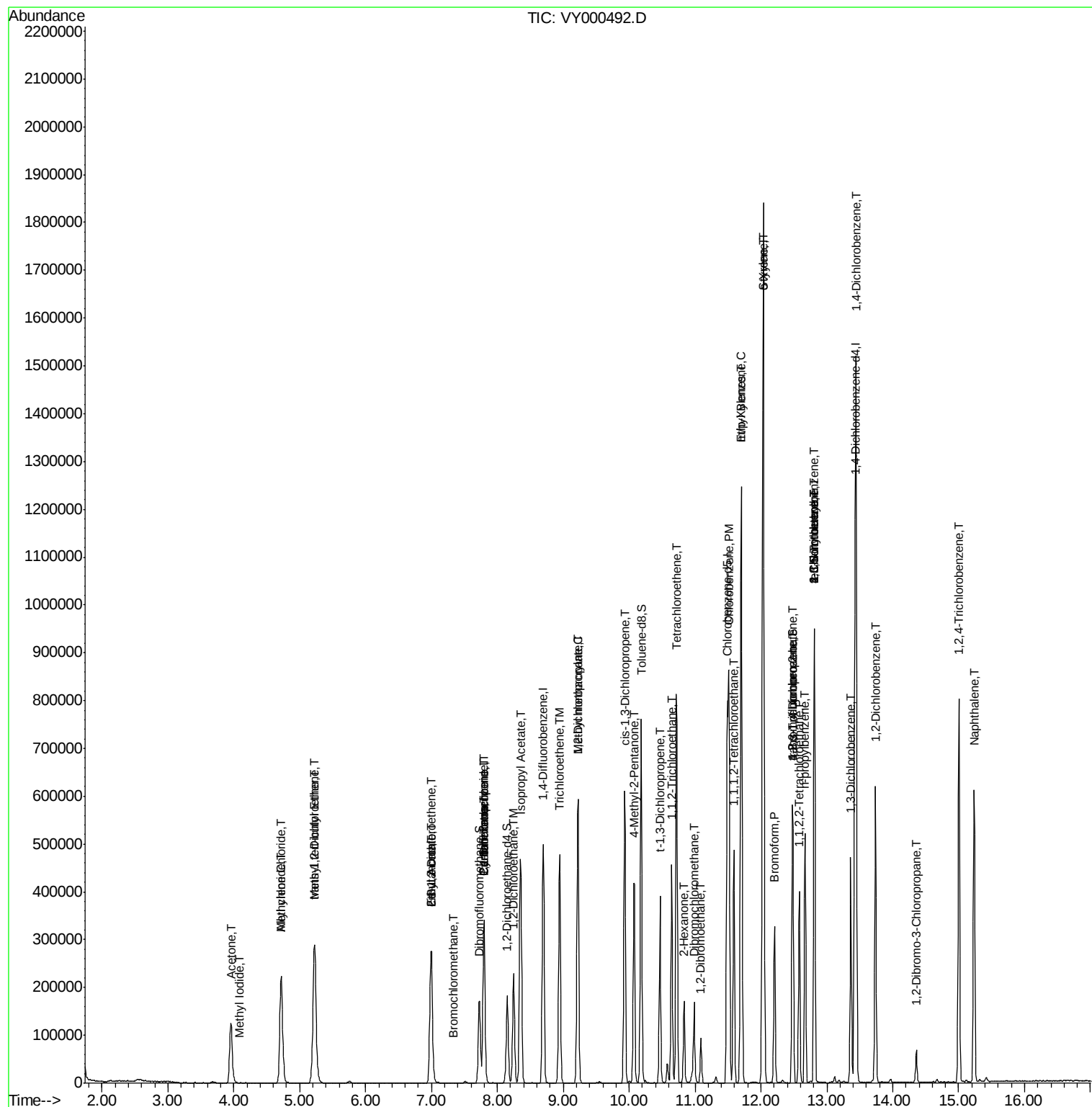
76) 1,2,3-Trichloropropane	12.48	75	92783	43.567	ug/l #	100
78) n-propylbenzene	12.67	91	380476	22.812	ug/l	100
79) 2-Chlorotoluene	12.81	91	54043	5.837	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.81	105	487023	42.303	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	92783	97.684	ug/l #	13
82) 4-Chlorotoluene	12.81	91	54043	5.631	ug/l #	39
83) tert-Butylbenzene	12.81	119	58346	5.936	ug/l #	60
87) 1,3-Dichlorobenzene	13.37	146	178645	29.096	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	517478	84.342	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	237031	42.549	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	15327	31.641	ug/l	96
93) 1,2,4-Trichlorobenzene	15.01	180	235801	62.165	ug/l	98
95) Naphthalene	15.23	128	488602	58.025	ug/l	100

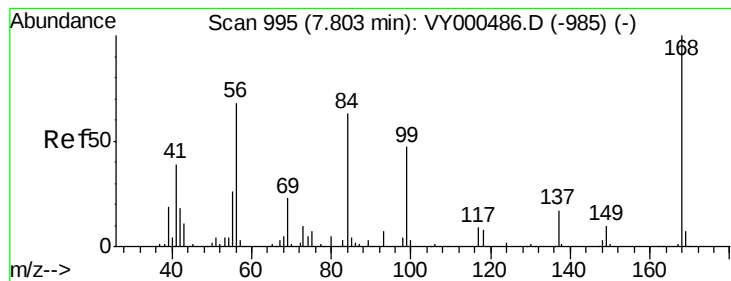
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY103019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

Instrument :

MSVOA_Y

ClientSampleId :

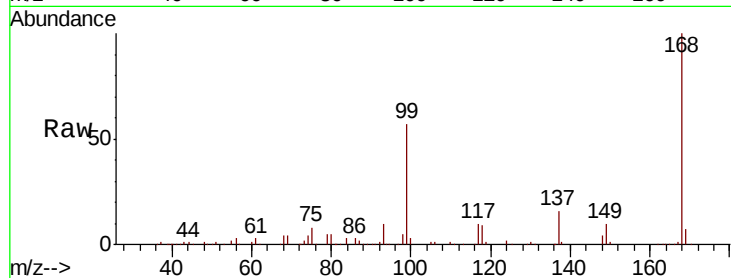
PT-VOA-SOILDL

Tot Ion:168 Resp: 261294

Ion Ratio Lower Upper

168 100

99 57.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

120000

100000

80000

60000

40000

20000

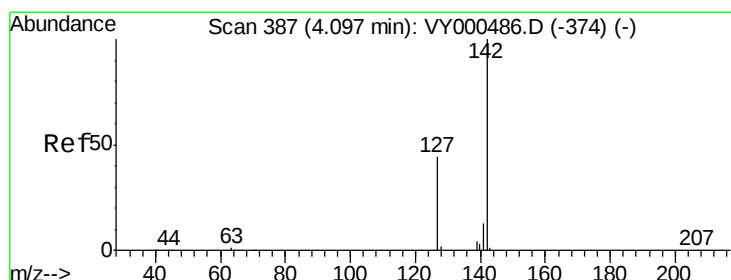
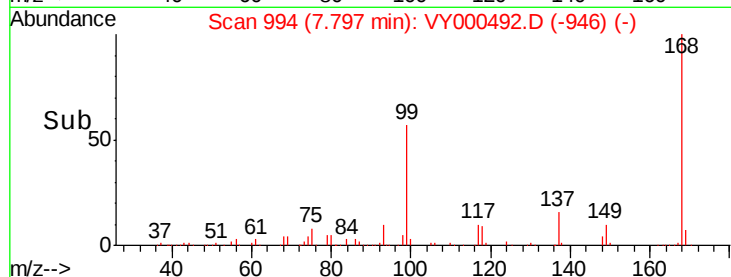
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Time-->

7.70

7.80

7.90



#10

Methyl Iodide

Concen: 3.231 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

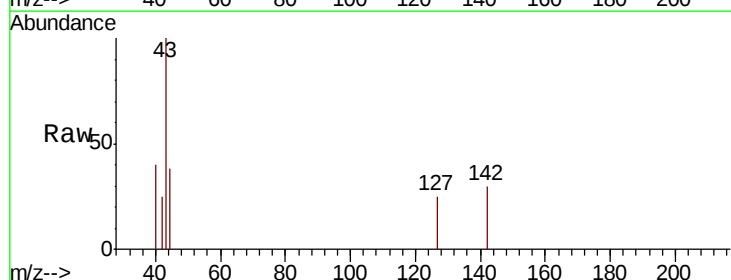
Tgt Ion:142 Resp: 120

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

300

200

100

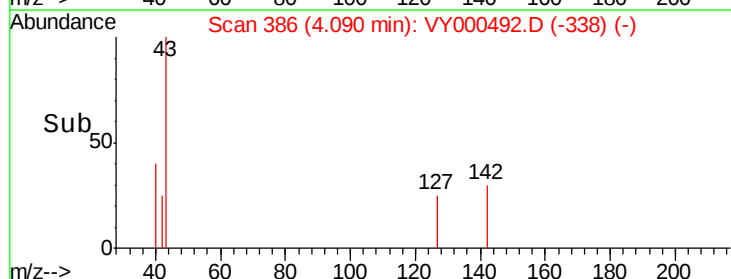
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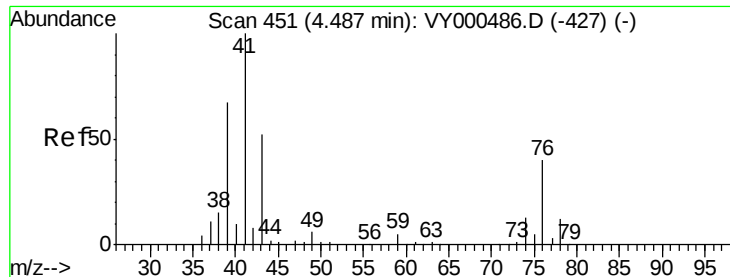
Time-->

4.06

4.08

4.10

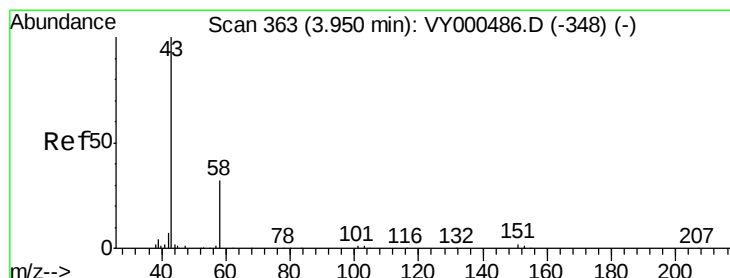
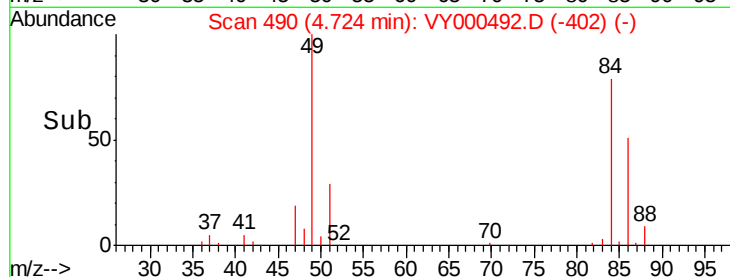
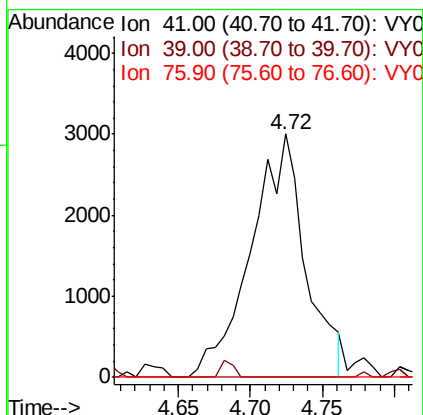
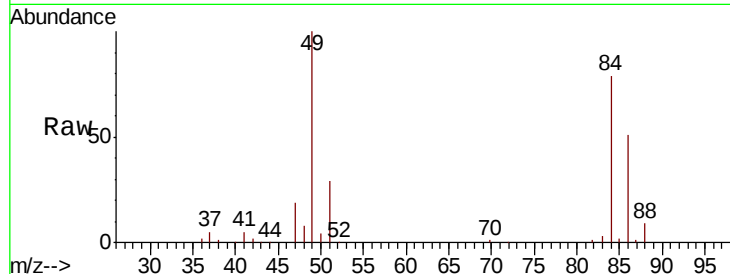




#14
Allvl chloride
Concen: 1.859 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.24 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

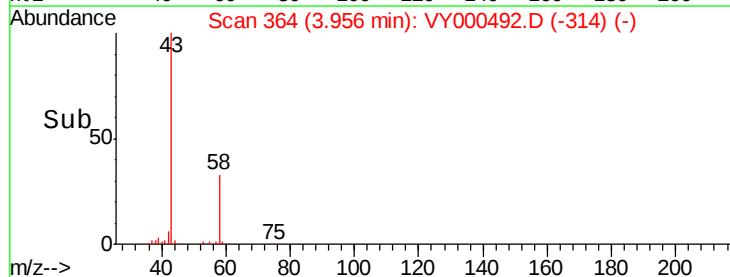
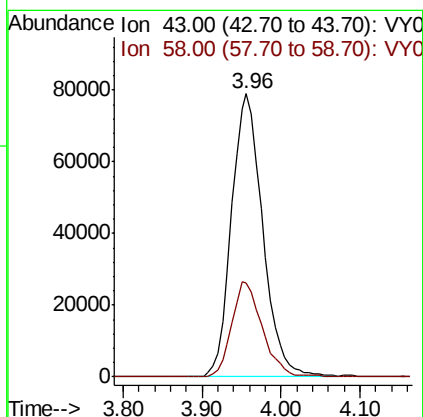
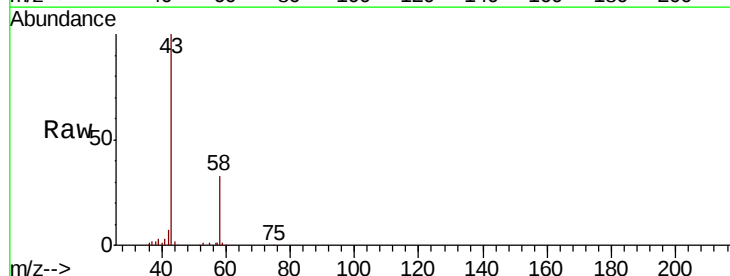
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

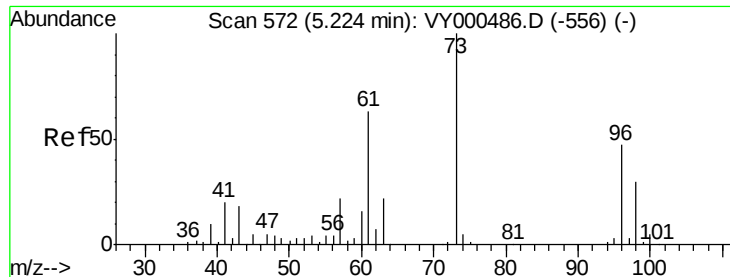
Tot Ion: 41 Resp: 7888
Ion Ratio Lower Upper
41 100
39 0.0 53.6 80.4#
76 0.0 29.8 44.6#



#16
Acetone
Concen: 292.246 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Tgt Ion: 43 Resp: 217802
Ion Ratio Lower Upper
43 100
58 33.2 25.8 38.6

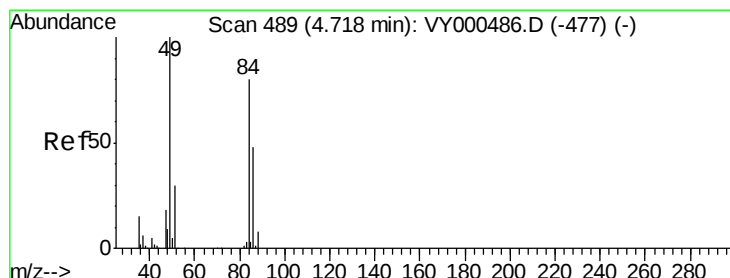
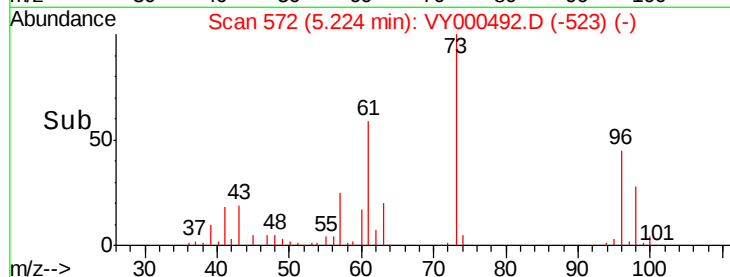
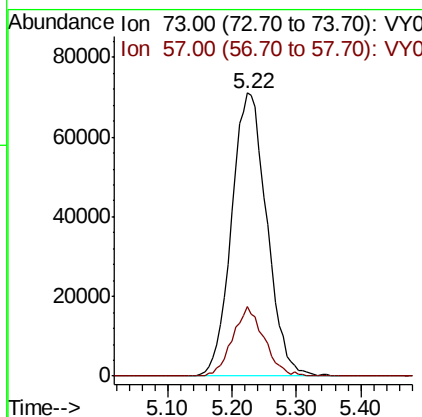
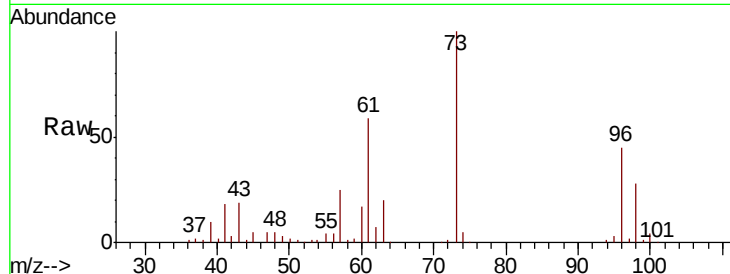




#19
Methvl tert-butvl Ether
Concen: 37.144 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

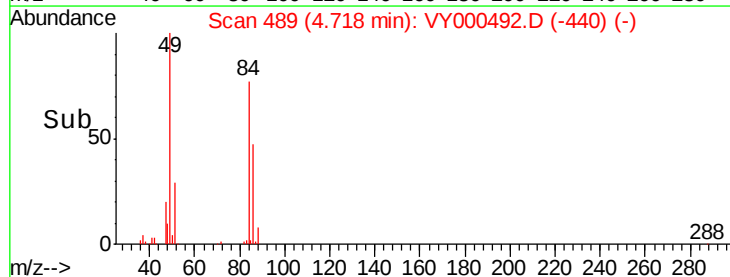
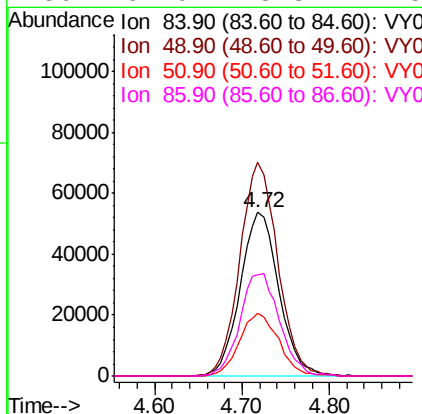
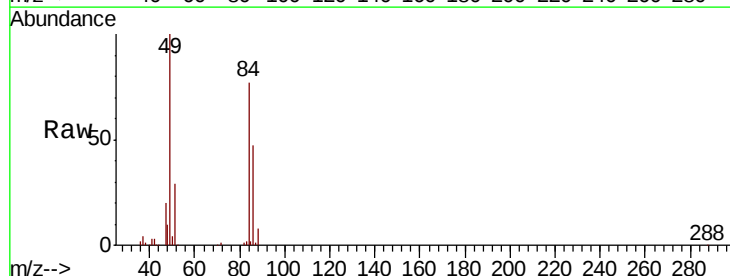
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILD

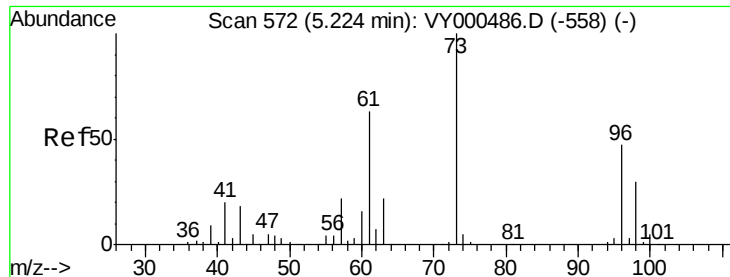
Tot Ion: 73 Resp: 269552
Ion Ratio Lower Upper
73 100
57 24.6 17.4 26.0



#20
Methylene Chloride
Concen: 51.657 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Tgt Ion: 84 Resp: 164962
Ion Ratio Lower Upper
84 100
49 130.6 100.2 150.4
51 38.4 29.6 44.4
86 62.0 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 32.936 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

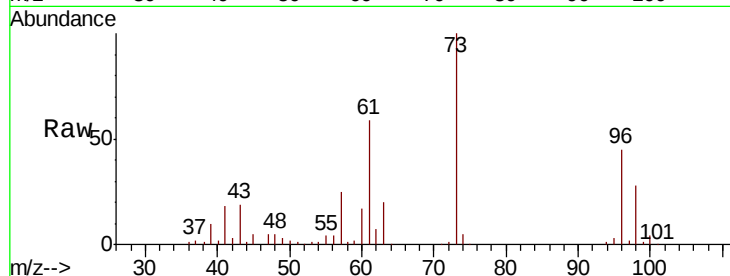
Tot Ion: 96 Resp: 97184

Ion Ratio Lower Upper

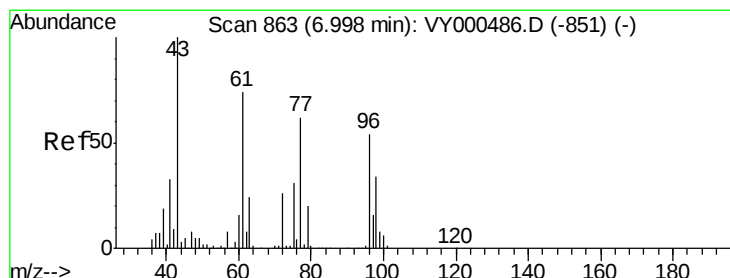
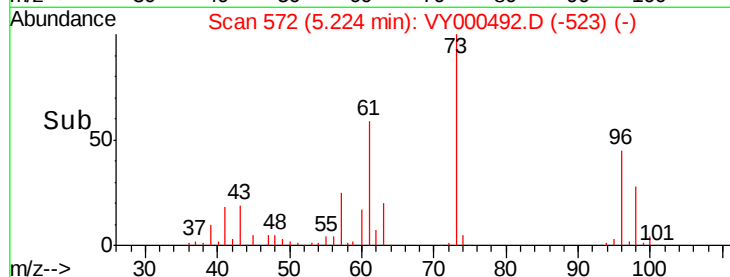
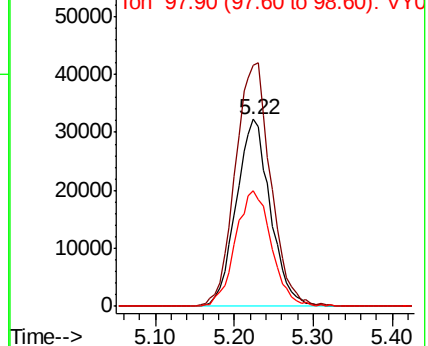
96 100

61 129.0 106.6 160.0

98 62.2 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#25

2-Butanone

Concen: 93.548 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000492.D

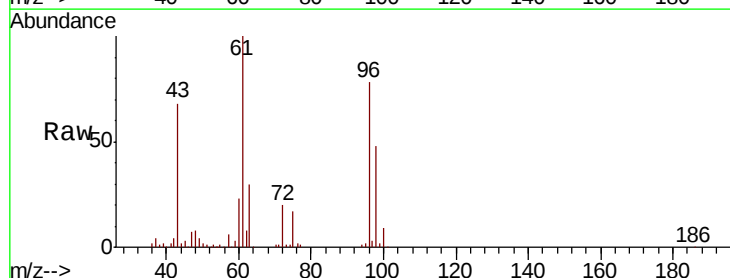
Acq: 30 Oct 2019 15:35

Tgt Ion: 43 Resp: 111266

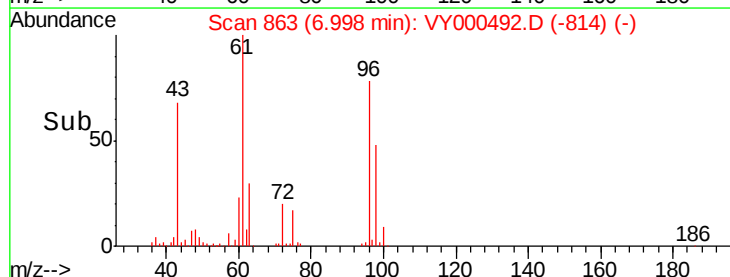
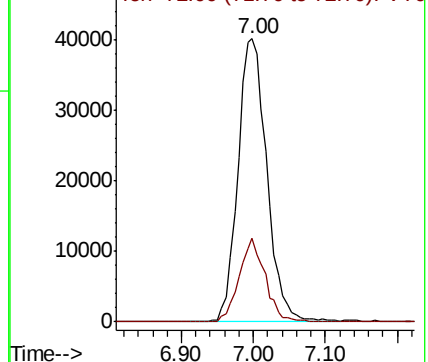
Ion Ratio Lower Upper

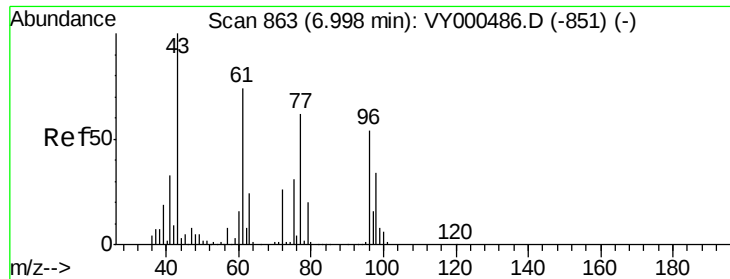
43 100

72 29.7 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



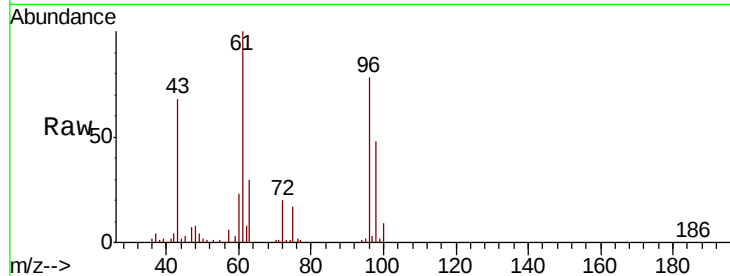


#27

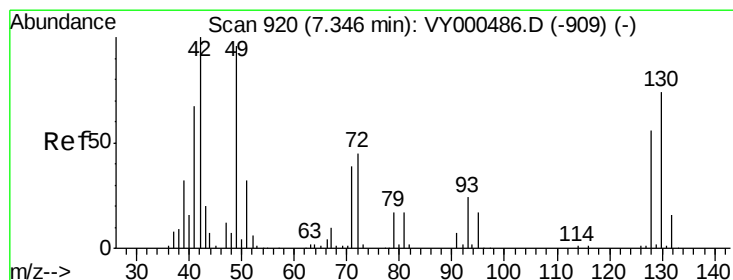
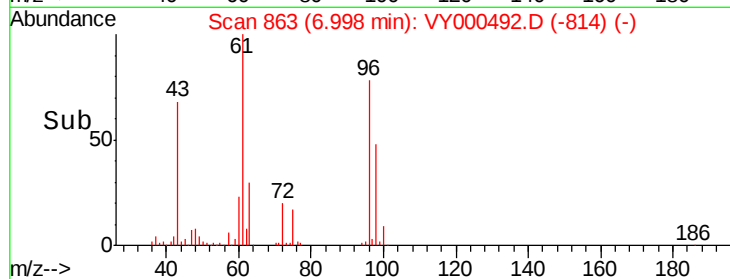
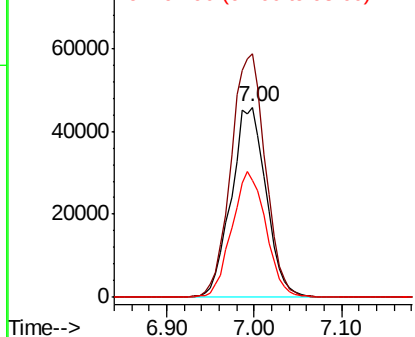
cis-1,2-Dichloroethene
Concen: 39.365 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Instrument :
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PT-VOA-SOILDL

Tot Ion: 96 Resp: 127011
Ion Ratio Lower Upper
96 100
61 126.4 0.0 287.0
98 64.5 0.0 129.4



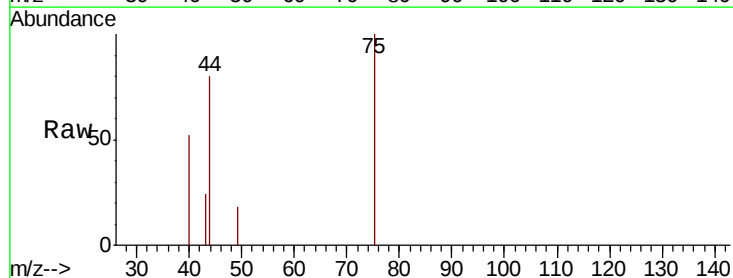
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



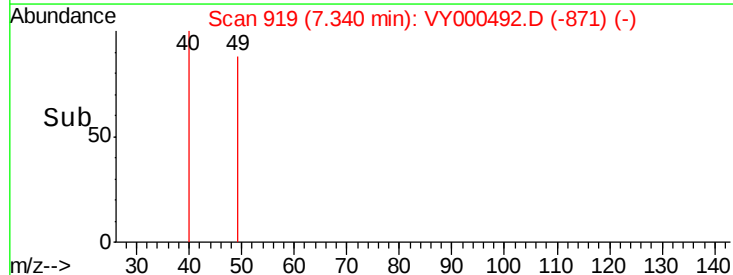
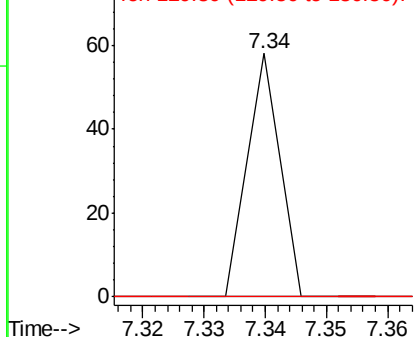
#28

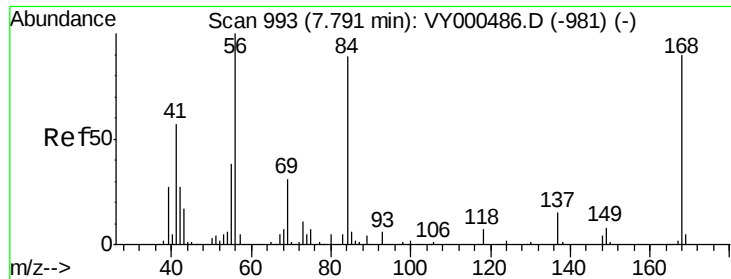
Bromochloromethane
Concen: 4.101 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Tgt Ion: 49 Resp: 21
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

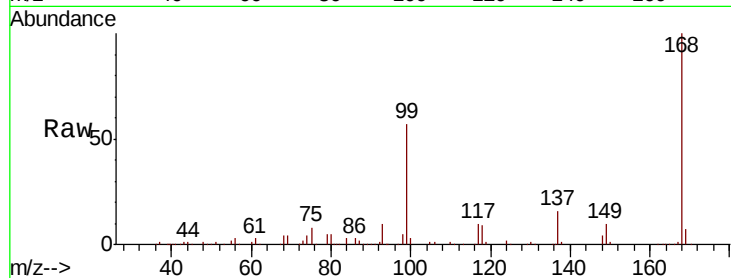




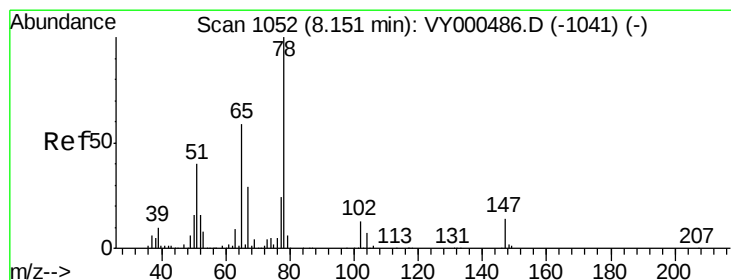
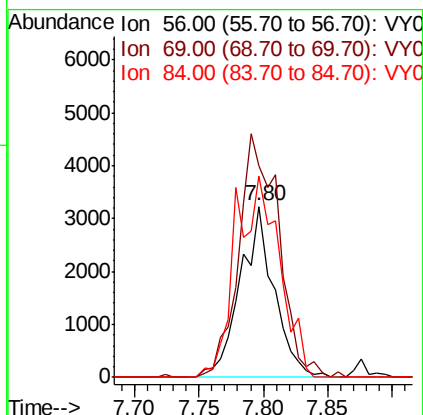
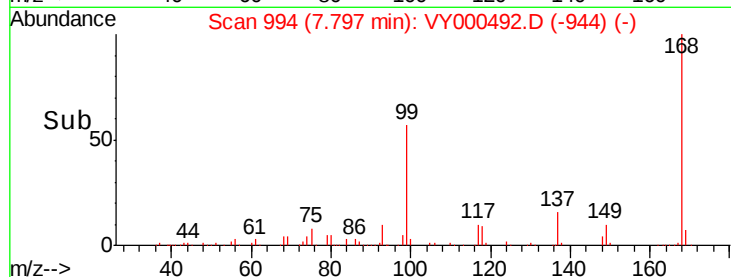
#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

Tot Ion: 56 Resp: 5892
Ion Ratio Lower Upper
56 100
69 123.9 25.0 37.6#
84 117.8 71.4 107.2#

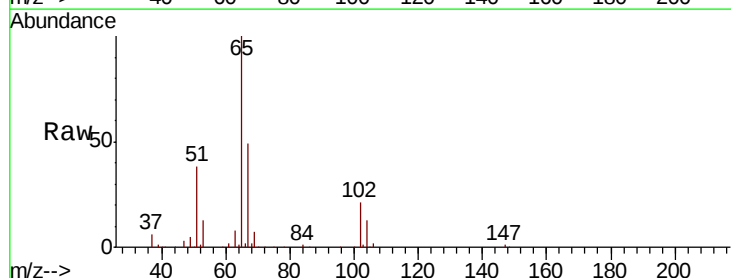


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

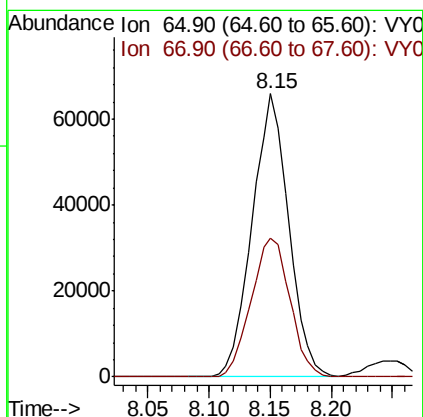
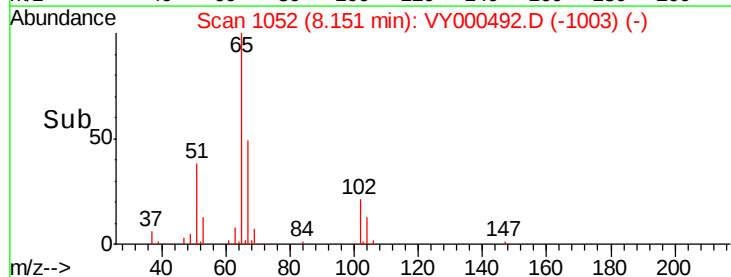


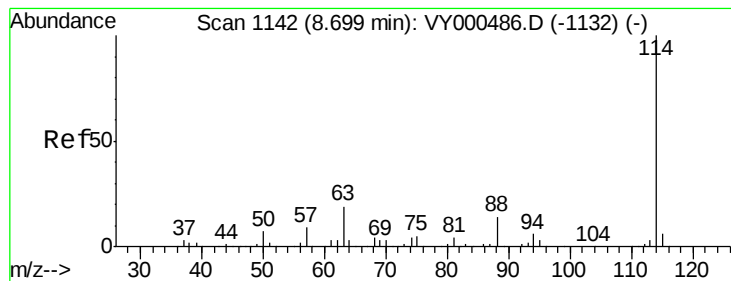
#33
1,2-Dichloroethane-d4
Concen: 50.705 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Tgt Ion: 65 Resp: 137109
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.2



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: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

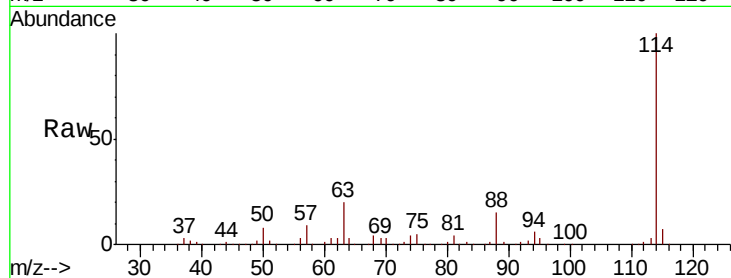
Tot Ion:114 Resp: 431419

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.0

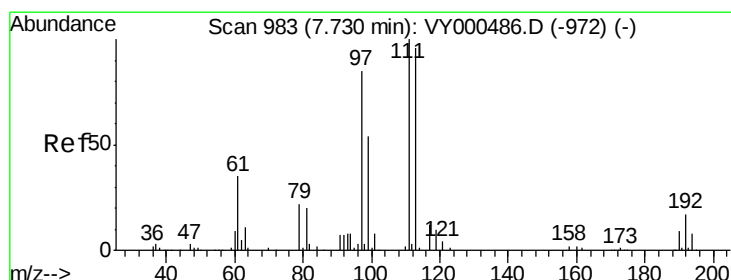
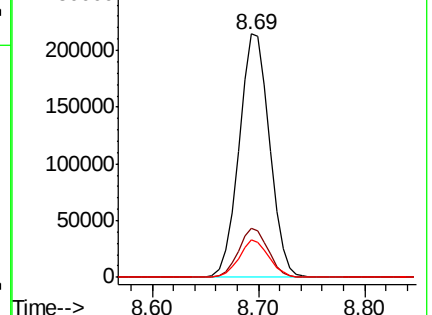
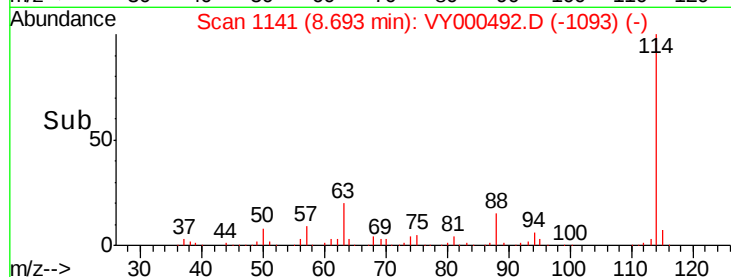
88 15.5 0.0 28.6



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: 47.396 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

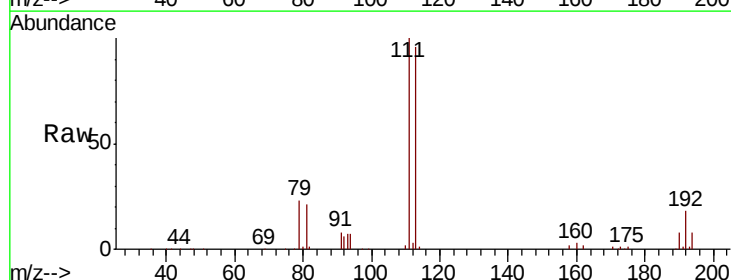
Tgt Ion:113 Resp: 120040

Ion Ratio Lower Upper

113 100

111 103.7 81.7 122.5

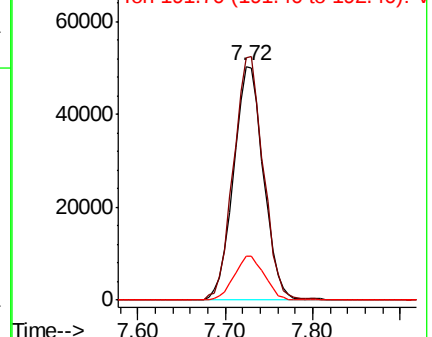
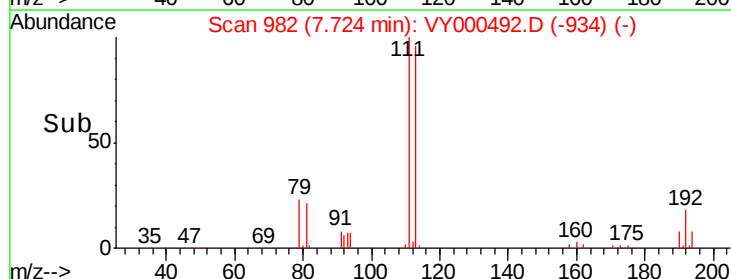
192 19.0 15.0 22.4

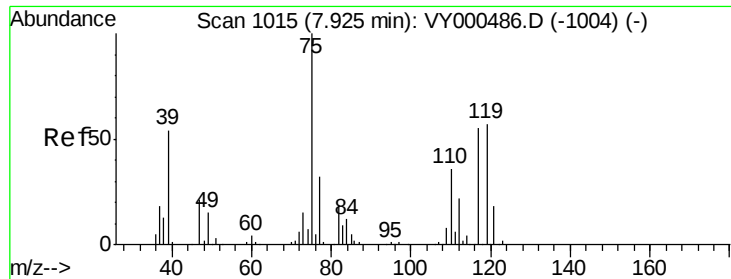


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

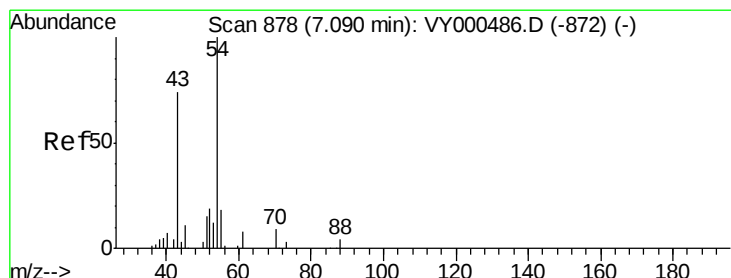
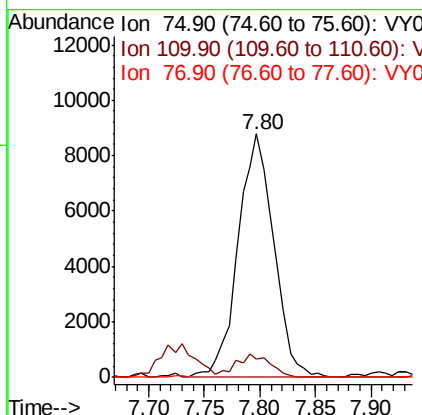
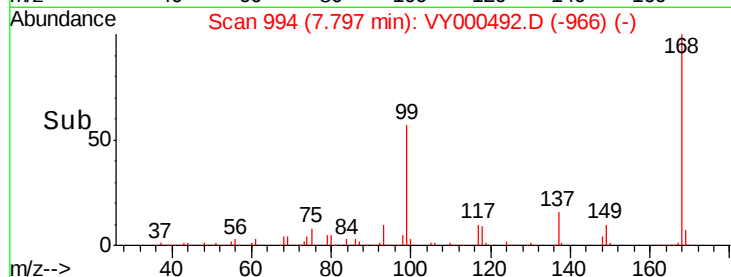
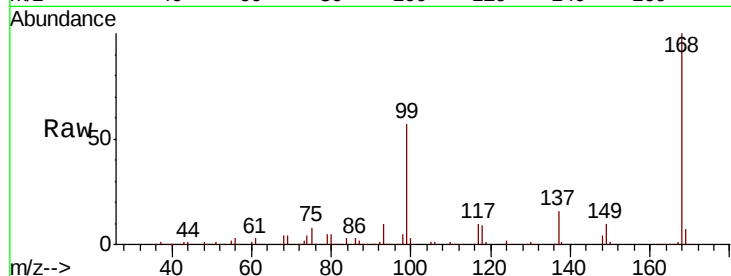




#36
 1,1-Dichloropropene
 Concen: 4.802 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

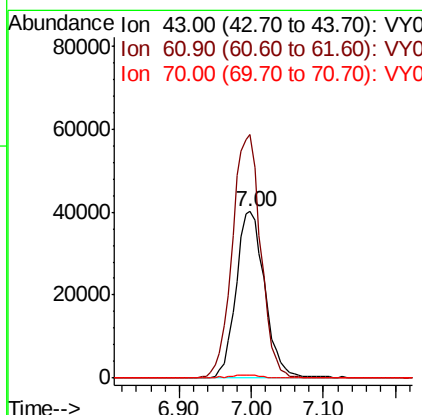
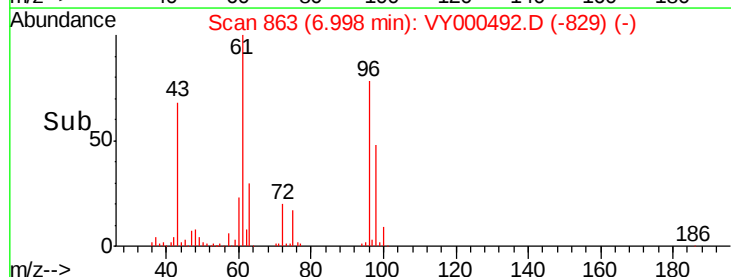
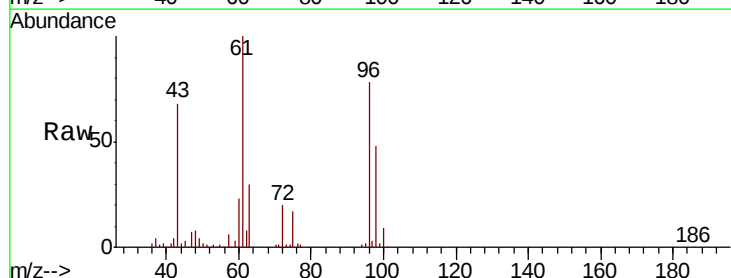
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

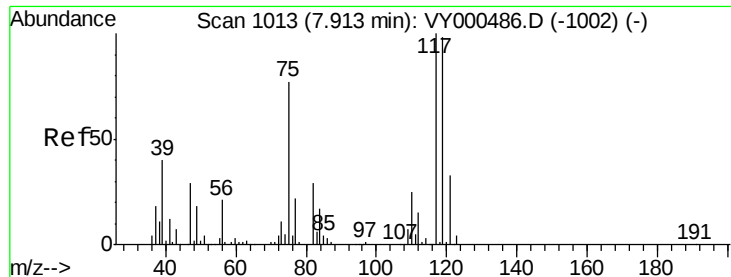
Tot Ion: 75 Resp: 19586
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.1#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 45.952 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

Tgt Ion: 43 Resp: 111266
 Ion Ratio Lower Upper
 43 100
 61 144.3 10.2 15.2#
 70 2.2 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 6.593 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

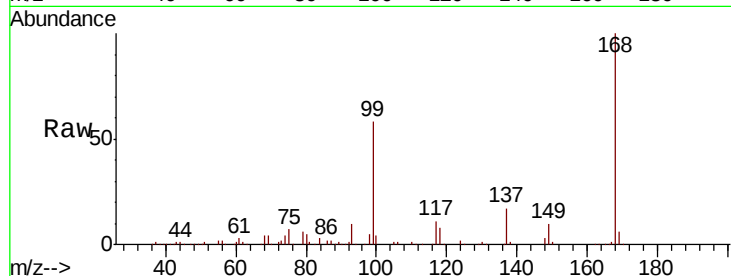
Tot Ion:117 Resp: 25873

Ion Ratio Lower Upper

117 100

119 4.2 78.0 117.0#

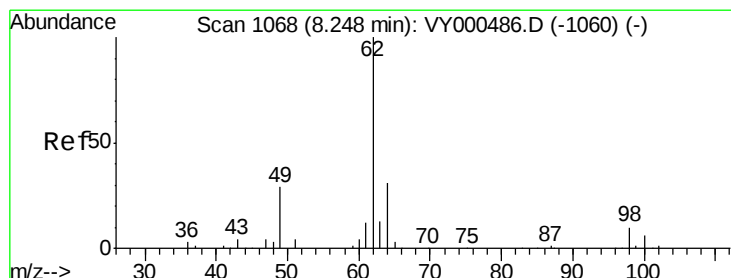
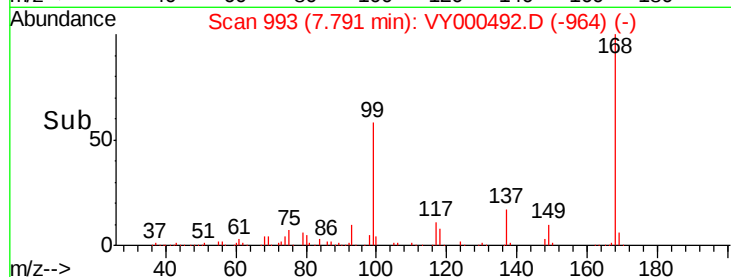
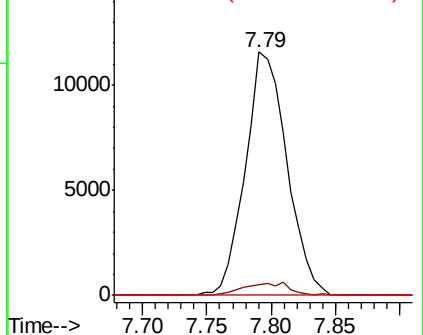
121 0.0 26.6 40.0#



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



#42

1,2-Dichloroethane

Concen: 59.819 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VY000492.D

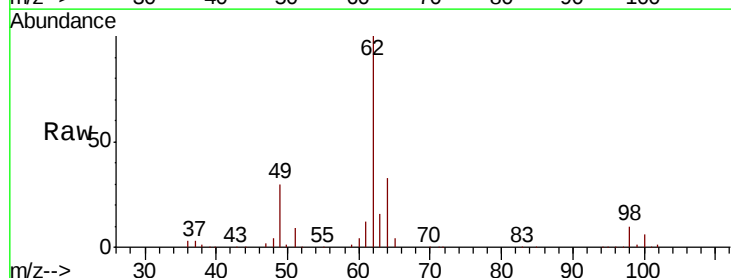
Acq: 30 Oct 2019 15:35

Tgt Ion: 62 Resp: 202866

Ion Ratio Lower Upper

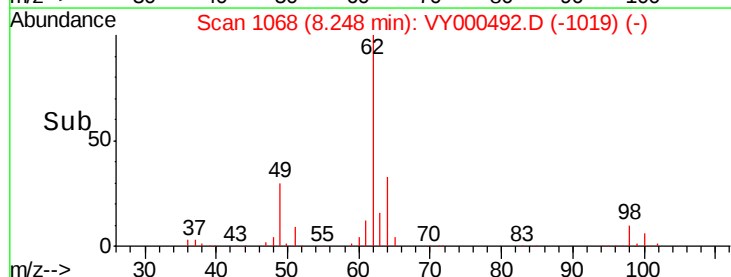
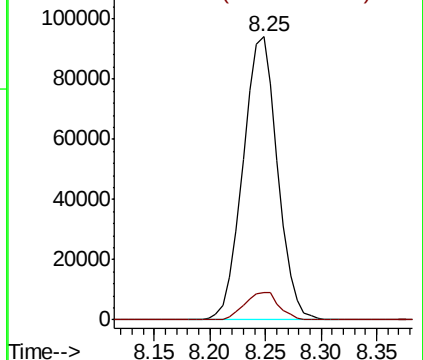
62 100

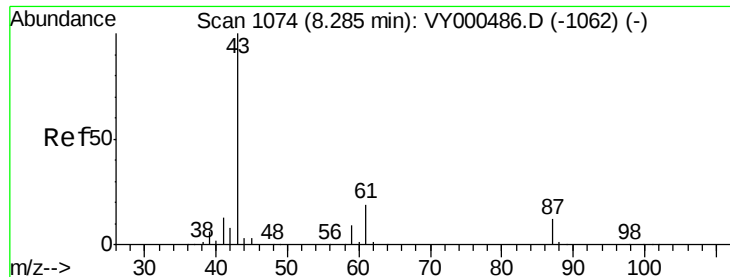
98 9.9 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



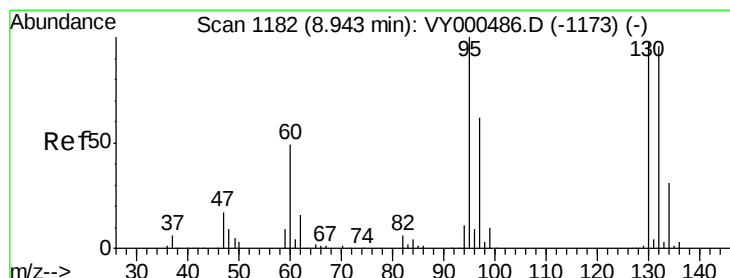
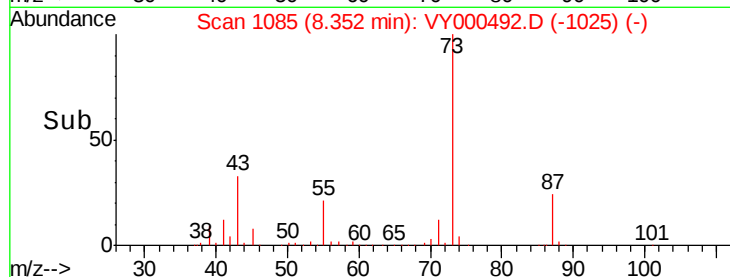
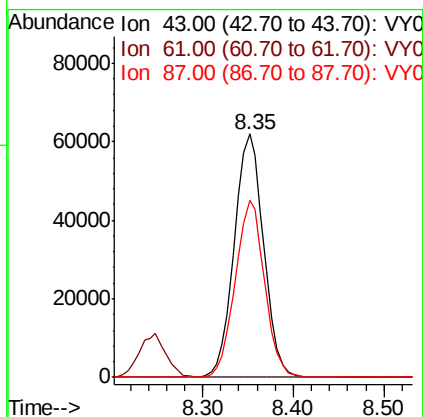
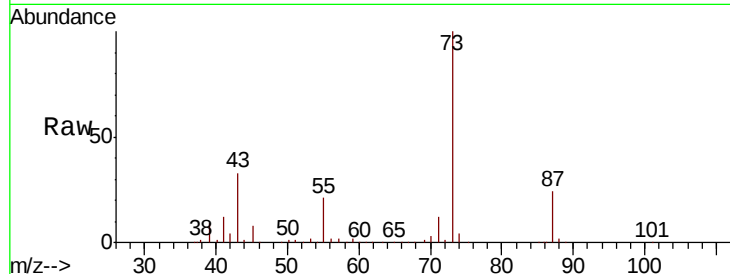


#43

Isopropyl Acetate
 Concen: 30.546 ug/l
 RT: 8.35 min Scan# 1085
 Delta R.T. 0.07 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILD

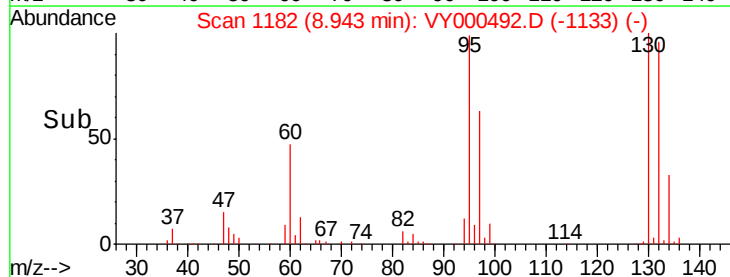
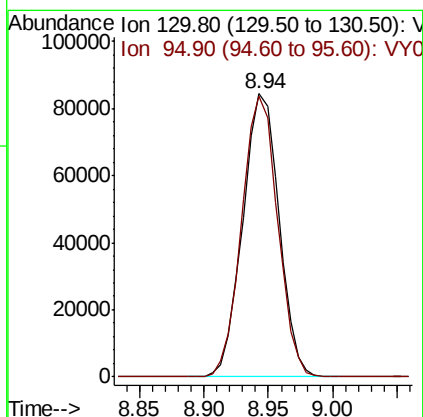
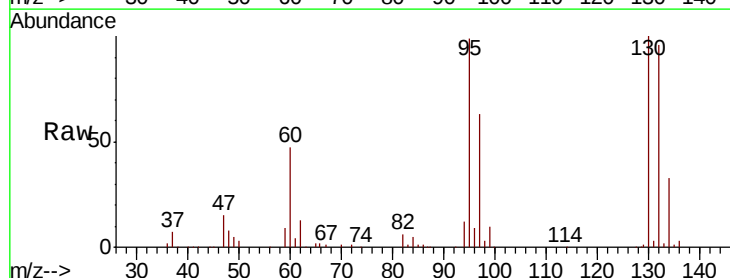
Tot Ion	43	Resp	138942
Ion Ratio	Lower	Upper	
43	100		
61	0.0	23.0	34.4#
87	72.4	10.5	15.7#

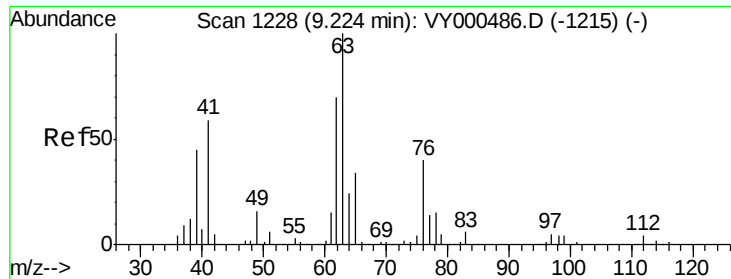


#44

Trichloroethene
 Concen: 52.227 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

Tgt Ion	130	Resp	164652
Ion Ratio	Lower	Upper	
130	100		
95	99.1	0.0	203.2

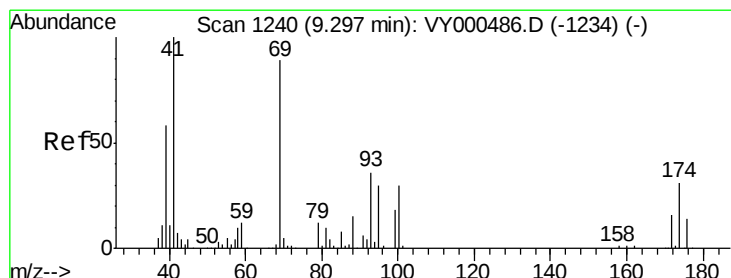
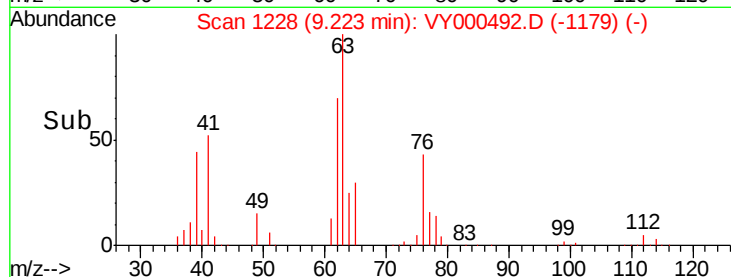
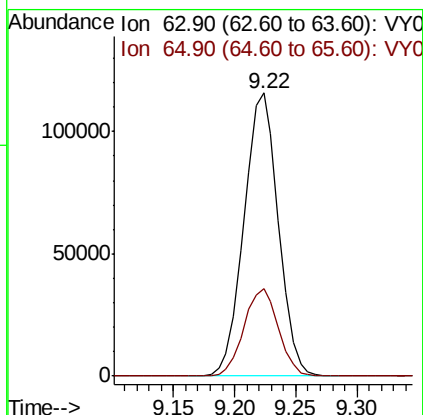
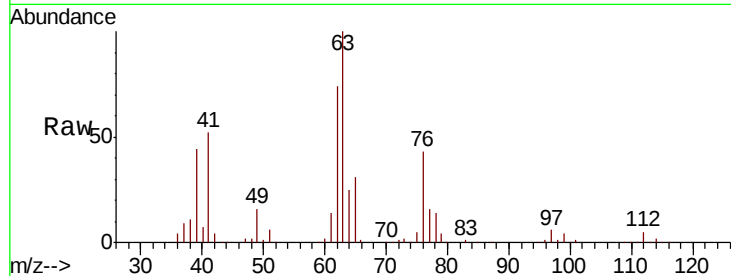




#45
 1,2-Dichloropropane
 Concen: 76.685 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

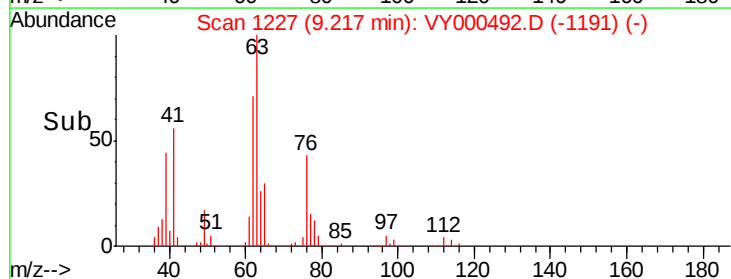
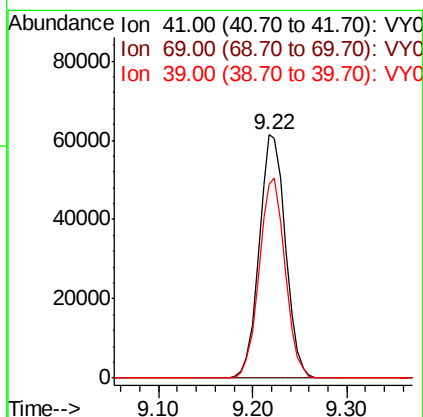
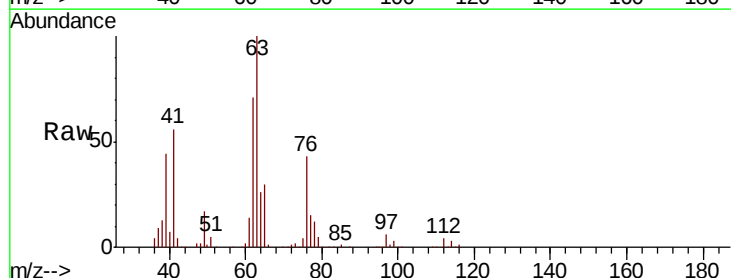
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

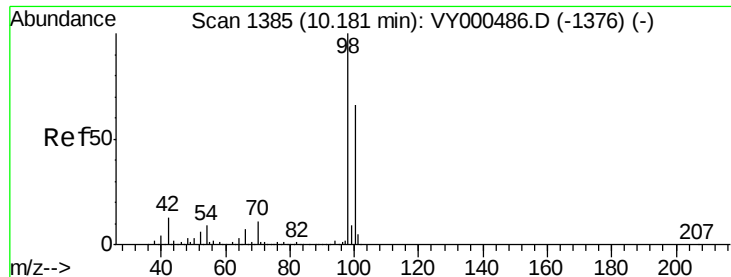
Tot Ion: 63 Resp: 225672
 Ion Ratio Lower Upper
 63 100
 65 30.7 27.0 40.4



#48
 Methyl methacrylate
 Concen: 60.817 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.08 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

Tgt Ion: 41 Resp: 120867
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.5 108.7#
 39 80.9 47.8 71.8#





#50

Toluene-d8

Concen: 50.814 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

Instrument :

MSVOA_Y

ClientSampleId :

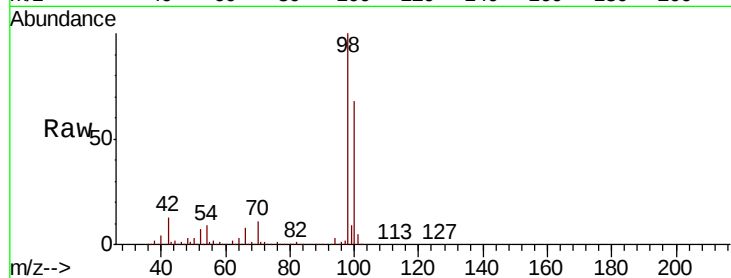
PT-VOA-SOILDL

Tot Ion: 98 Resp: 488334

Ion Ratio Lower Upper

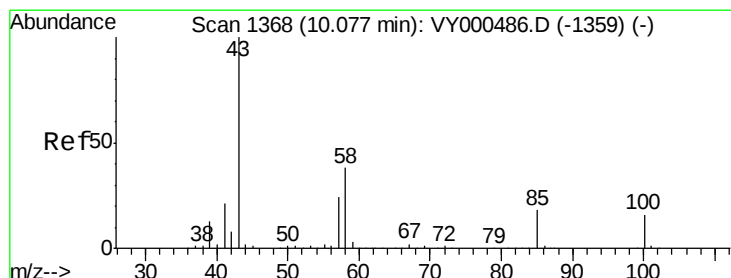
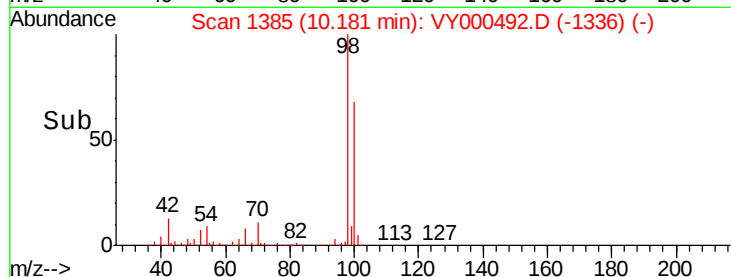
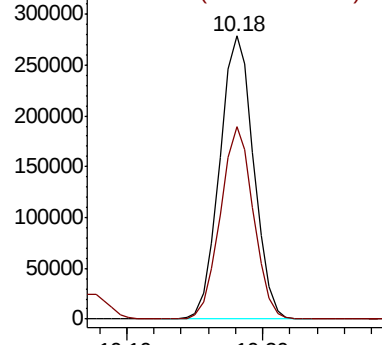
98 100

100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#51

4-Methyl-2-Pentanone

Concen: 113.295 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000492.D

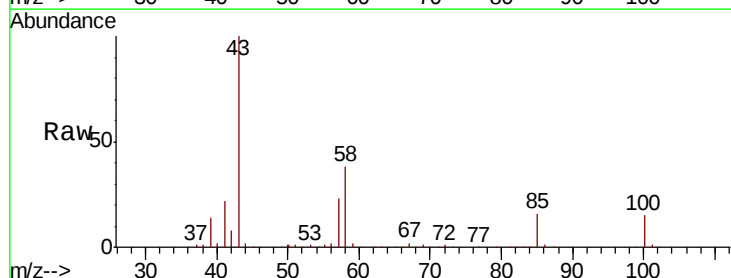
Acq: 30 Oct 2019 15:35

Tgt Ion: 43 Resp: 273988

Ion Ratio Lower Upper

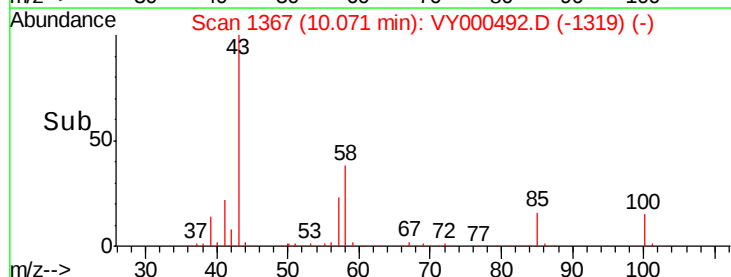
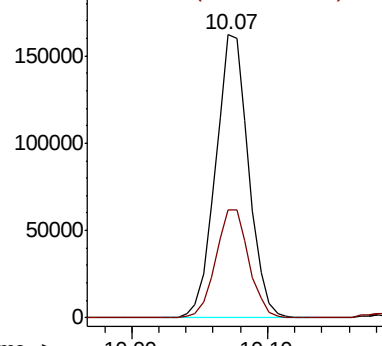
43 100

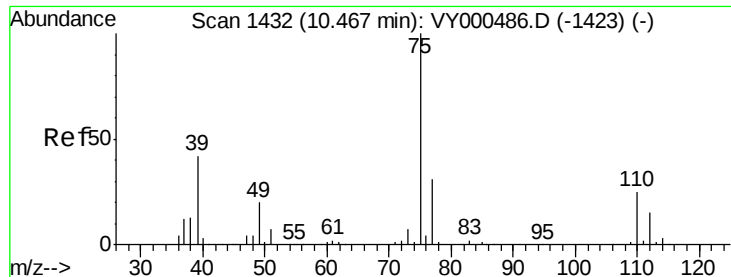
58 38.6 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

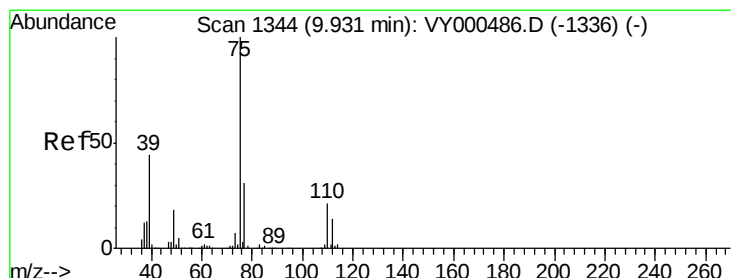
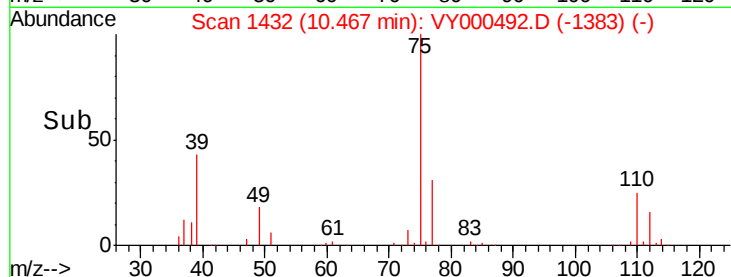
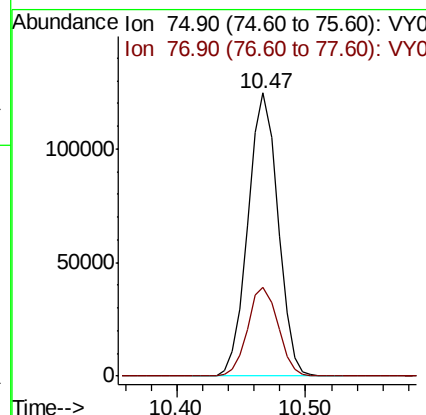
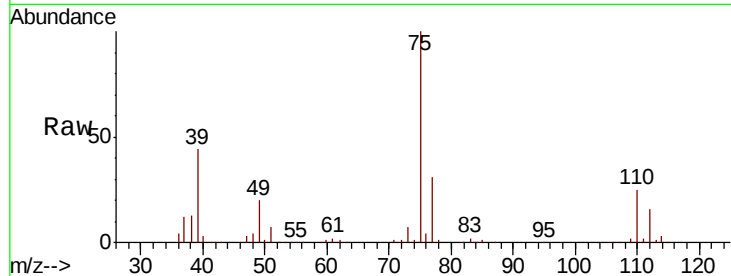




#53
 t-1,3-Dichloropropene
 Concen: 48.733 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

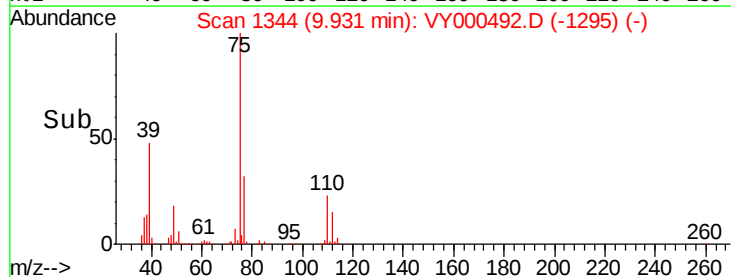
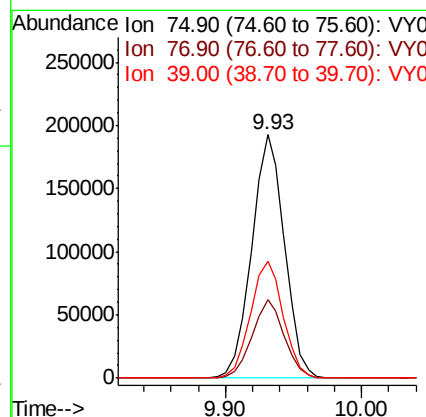
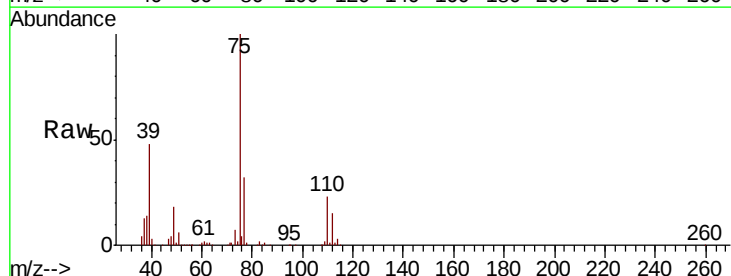
Instrument :
 MSVOA_Y
 ClientSampled :
 PT-VOA-SOILDL

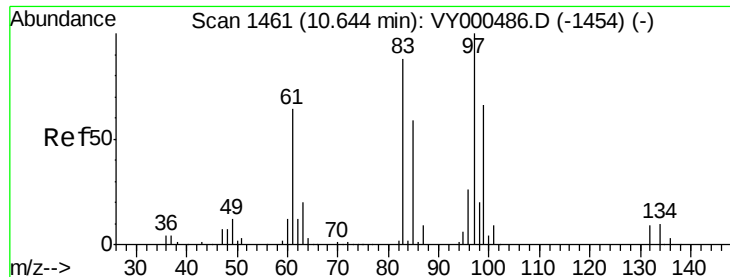
Tot Ion: 75 Resp: 199966
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 68.910 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

Tgt Ion: 75 Resp: 323927
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.5 36.7
 39 48.3 35.4 53.2

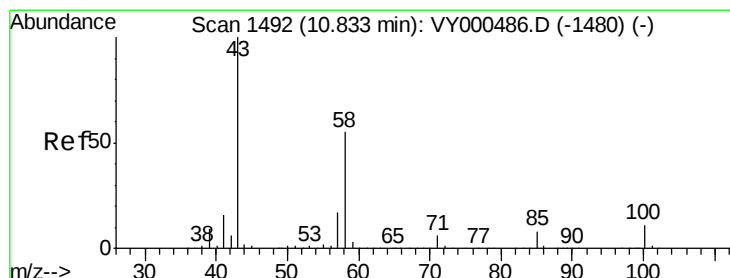
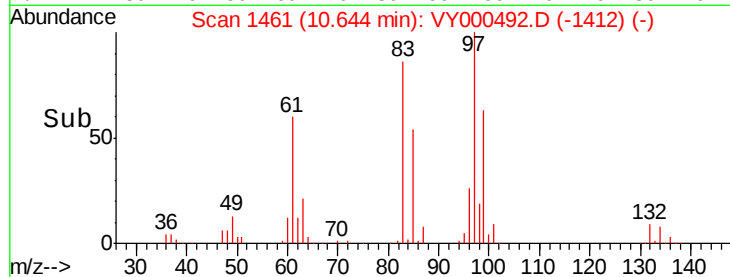
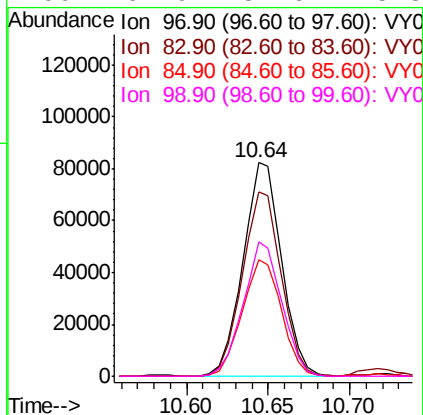
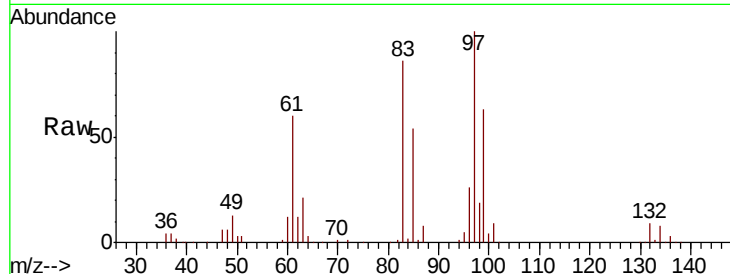




#55
 1,1,2-Trichloroethane
 Concen: 57.895 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

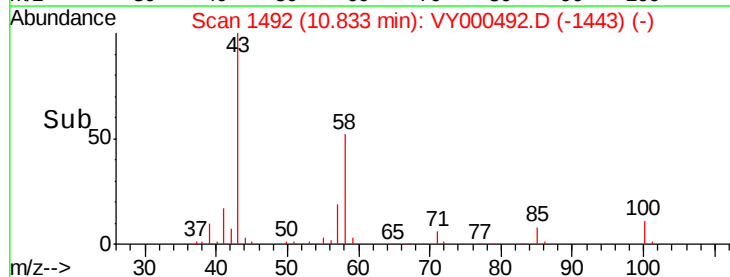
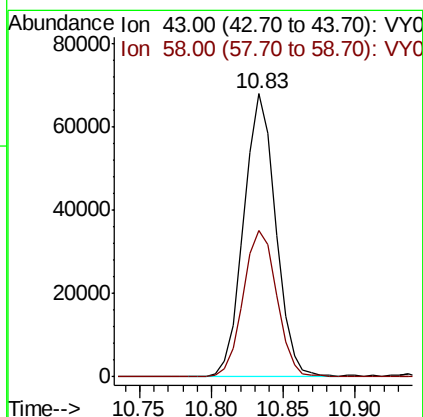
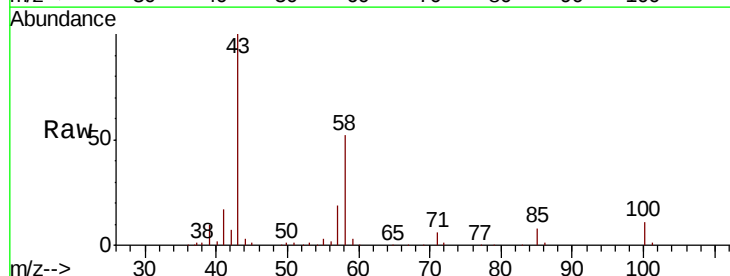
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

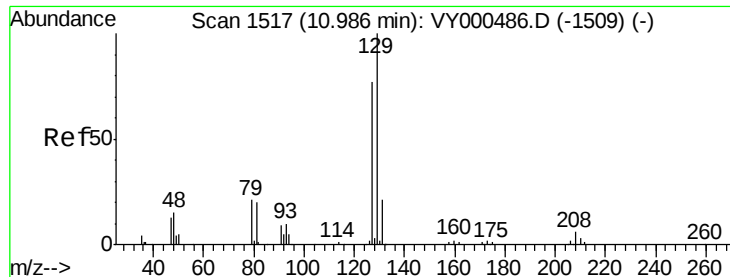
Tot Ion: 97 Resp: 135525
 Ion Ratio Lower Upper
 97 100
 83 86.2 70.2 105.4
 85 54.3 46.9 70.3
 99 62.9 52.6 78.8



#59
 2-Hexanone
 Concen: 59.464 ug/l
 RT: 10.83 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

Tgt Ion: 43 Resp: 104776
 Ion Ratio Lower Upper
 43 100
 58 54.2 27.1 81.3

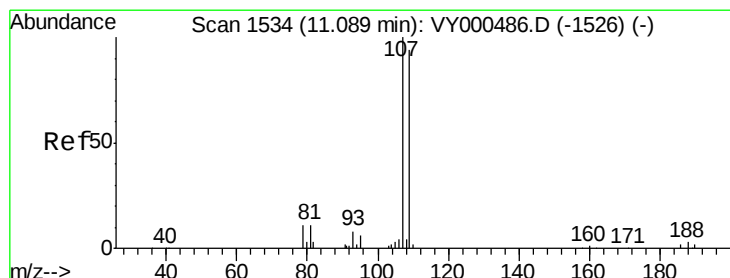
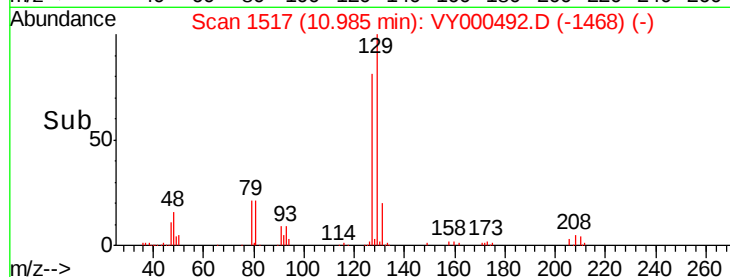
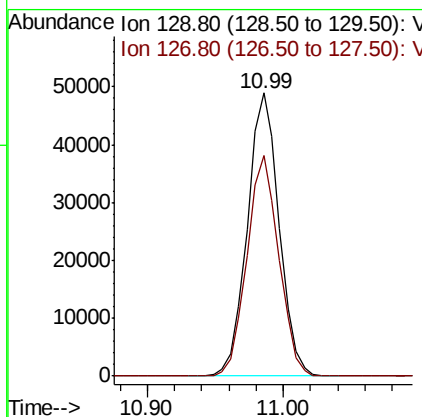
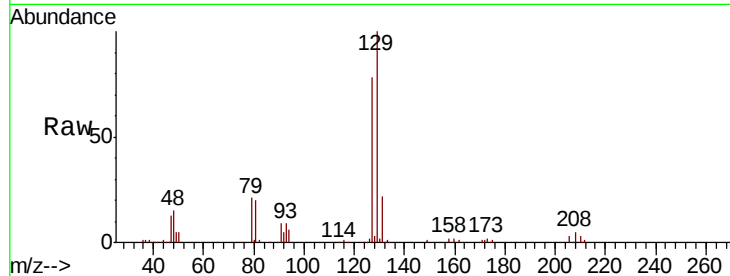




#60
 Dibromochloromethane
 Concen: 29.843 ug/l
 RT: 10.99 min Scan# 1517
 Delta R.T. -0.00 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

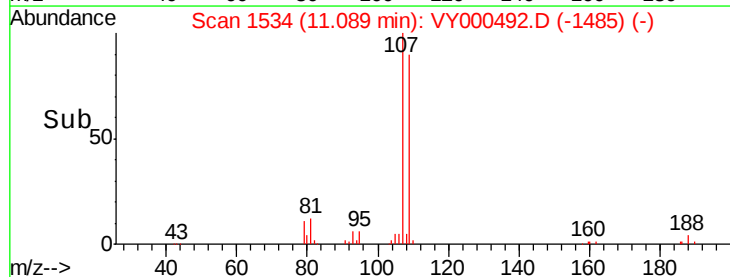
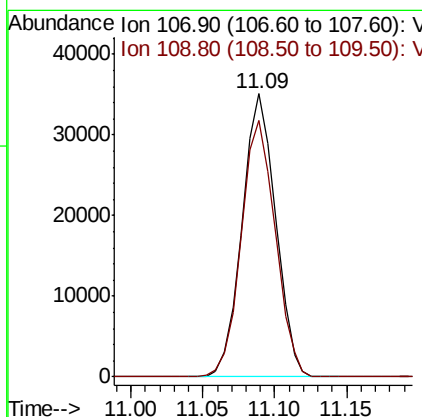
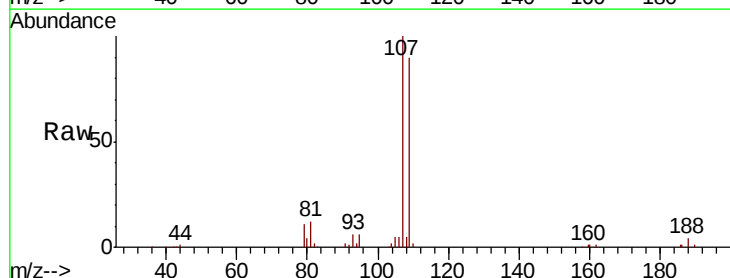
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

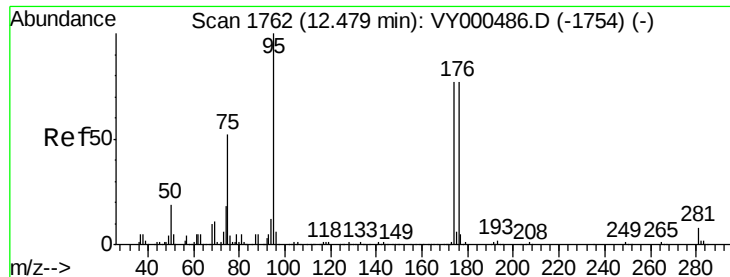
Tot Ion:129 Resp: 80019
 Ion Ratio Lower Upper
 129 100
 127 78.1 39.1 117.2



#61
 1,2-Dibromoethane
 Concen: 25.159 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

Tgt Ion:107 Resp: 56627
 Ion Ratio Lower Upper
 107 100
 109 92.2 73.6 110.4





#62

4-Bromofluorobenzene

Concen: 47.788 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

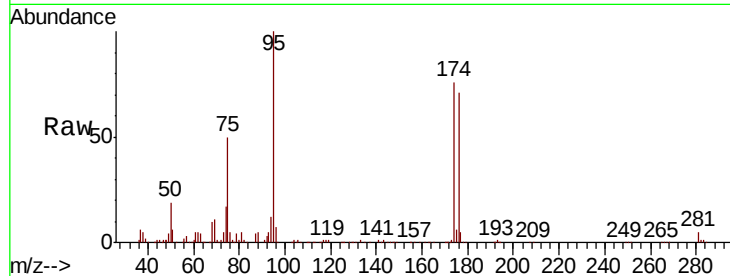
Tot Ion: 95 Resp: 174836

Ion Ratio Lower Upper

95 100

174 79.2 0.0 161.6

176 75.2 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000486.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000486.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000486.D (-1754) (-)

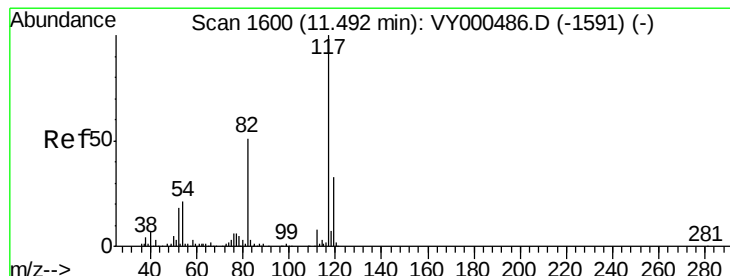
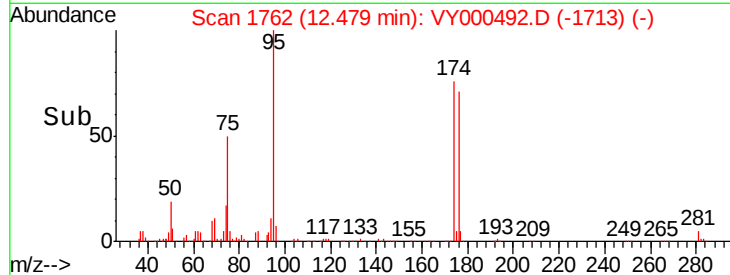
12.48

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

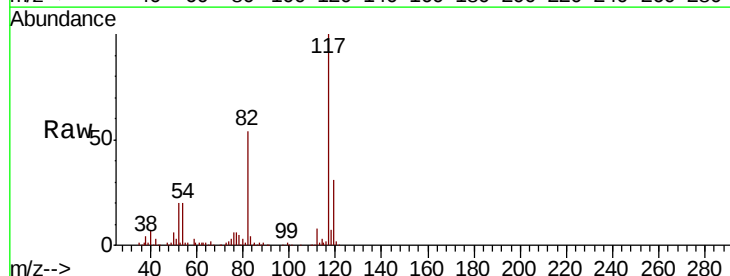
Tgt Ion: 117 Resp: 387876

Ion Ratio Lower Upper

117 100

82 54.5 40.8 61.2

119 31.0 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VY000486.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY000486.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY000486.D (-1591) (-)

11.49

300000

250000

200000

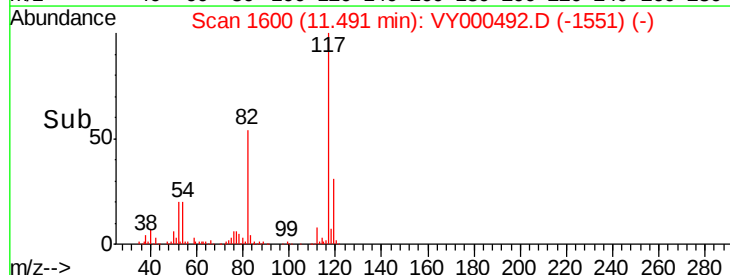
150000

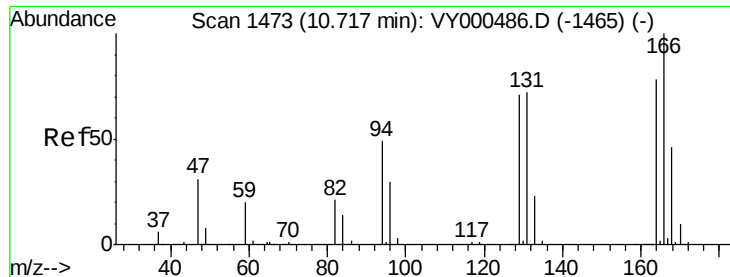
100000

50000

0

Time-->

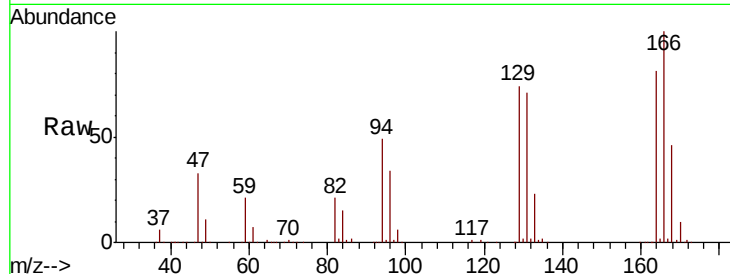




#64
Tetrachloroethene
Concen: 53.961 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.5	102.7	154.1
129	91.6	73.2	109.8
131	87.9	74.2	111.2



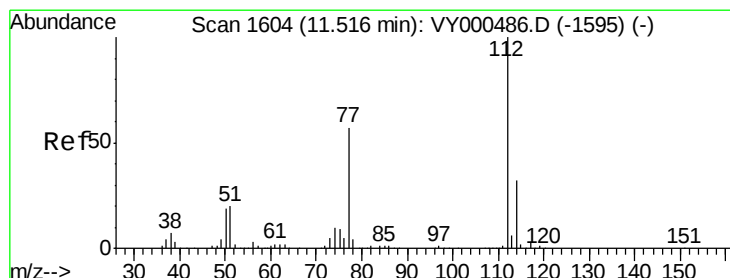
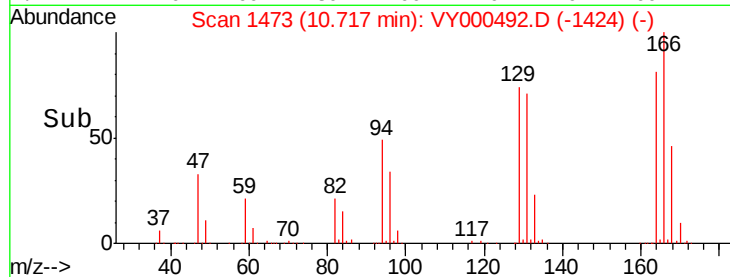
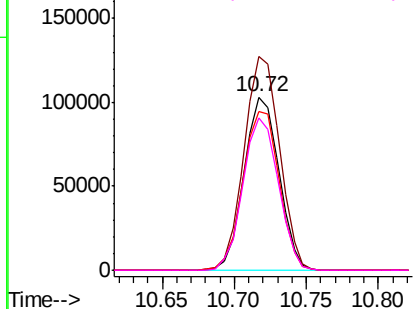
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

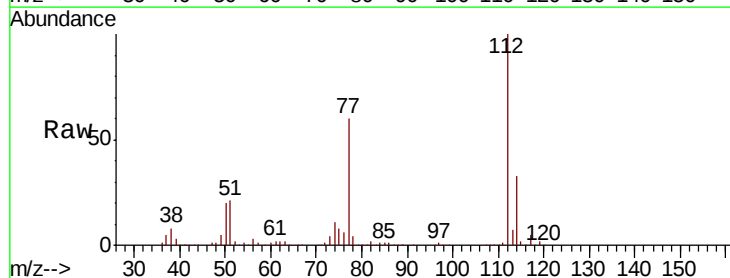
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 53.245 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

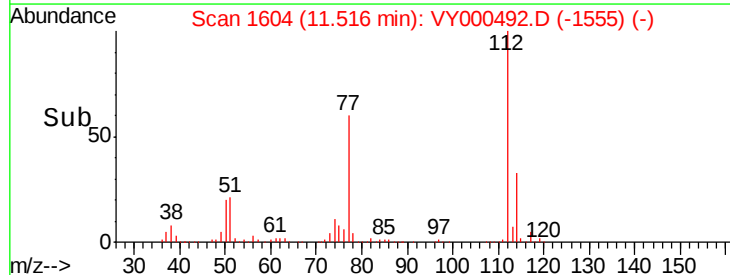
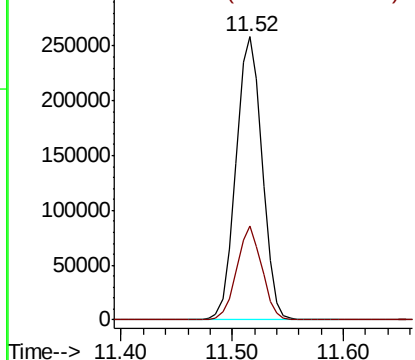
Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.3	37.9

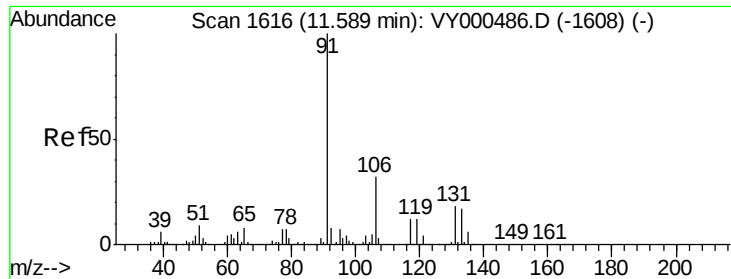


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 44.706 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

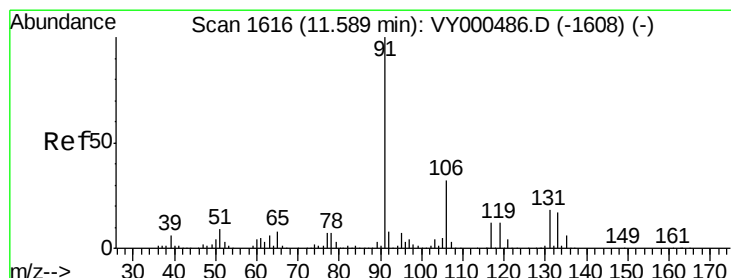
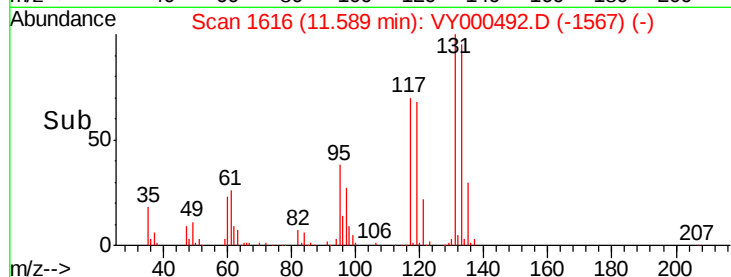
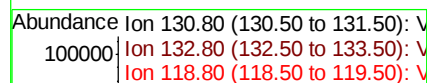
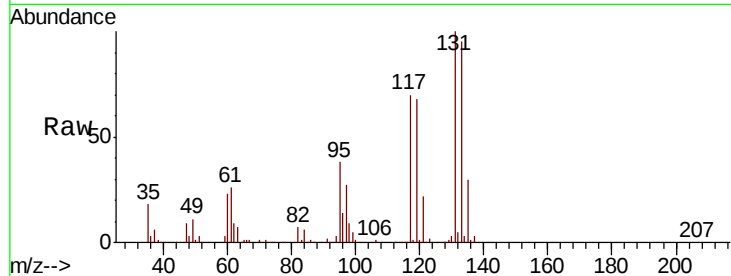
Tot Ion:131 Resp: 121930

Ion Ratio Lower Upper

131 100

133 93.9 47.9 143.8

119 65.7 33.1 99.3



#67

Ethyl Benzene

Concen: 56.073 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.11 min

Lab File: VY000492.D

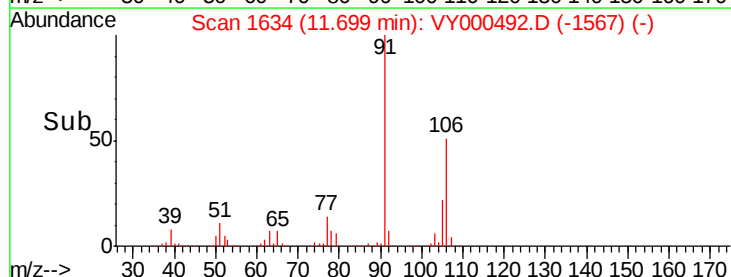
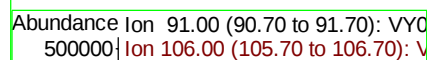
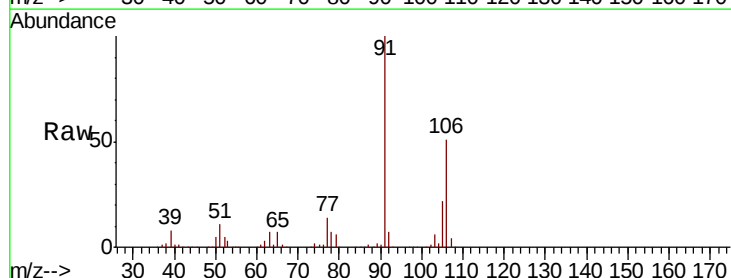
Acq: 30 Oct 2019 15:35

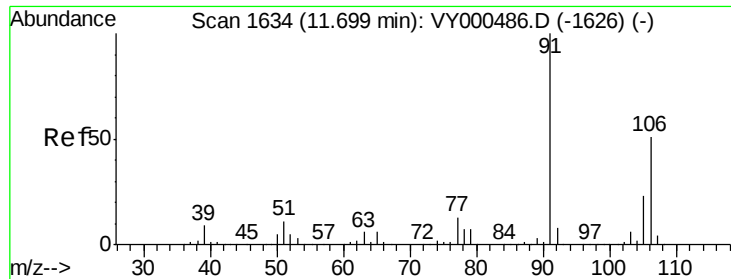
Tgt Ion: 91 Resp: 811563

Ion Ratio Lower Upper

91 100

106 51.0 25.4 38.0#

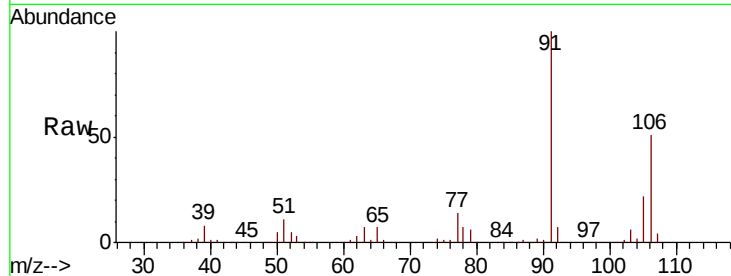




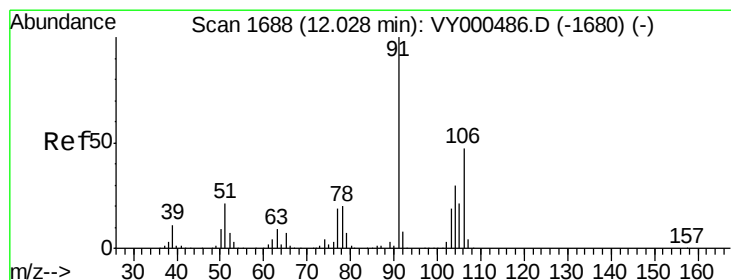
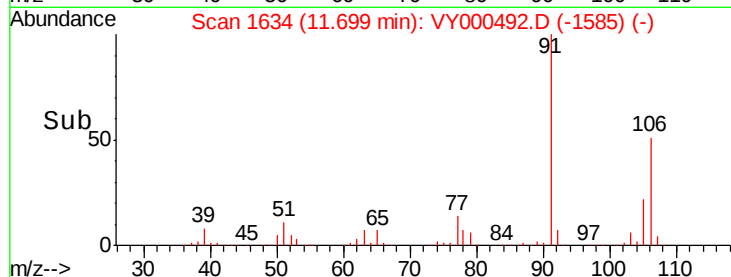
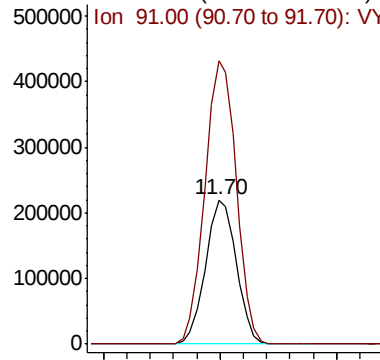
#68
m/p-Xylenes
Concen: 72.491 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

Tot Ion:106 Resp: 406077
Ion Ratio Lower Upper
106 100
91 199.9 155.9 233.9

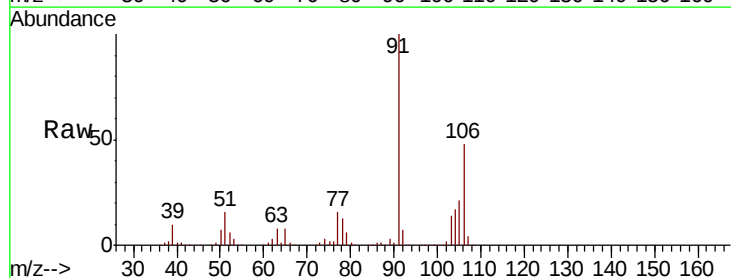


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

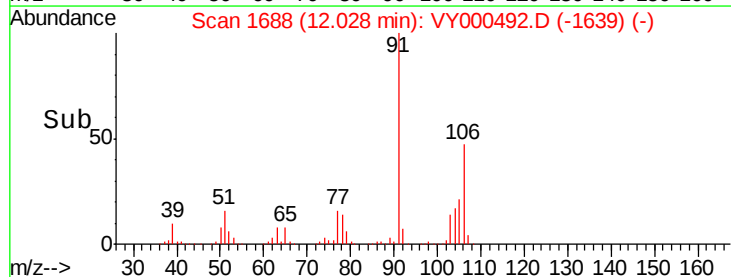
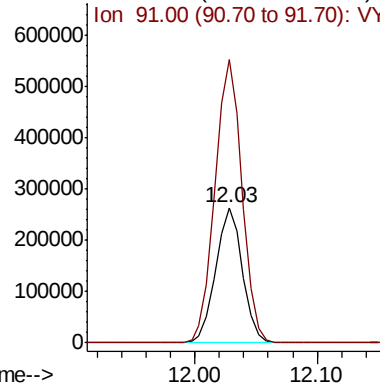


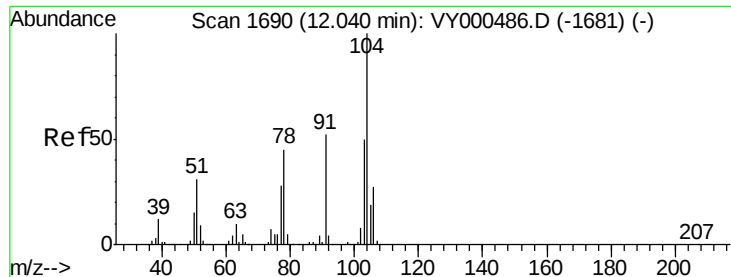
#69
o-Xylene
Concen: 75.507 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Tgt Ion:106 Resp: 397521
Ion Ratio Lower Upper
106 100
91 212.1 106.5 319.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

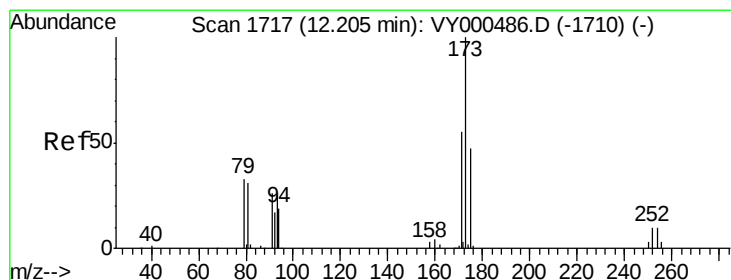
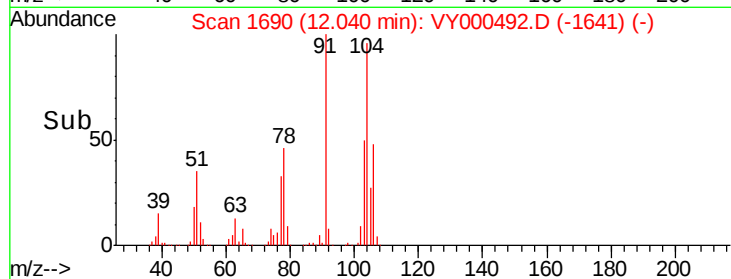
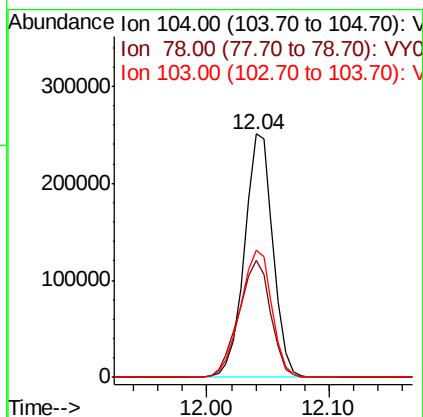
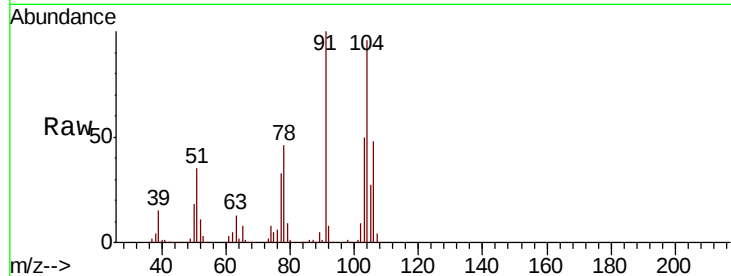




#70
Stvrene
Concen: 44.865 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

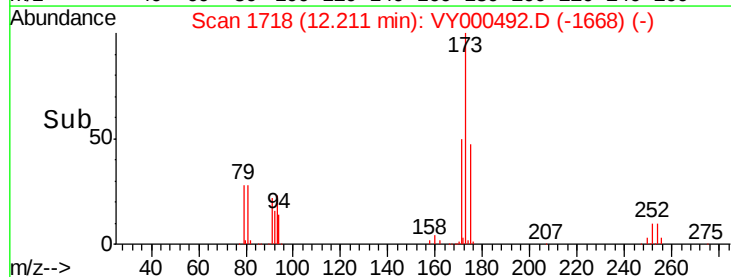
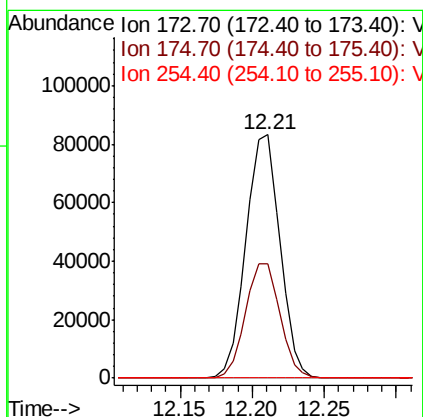
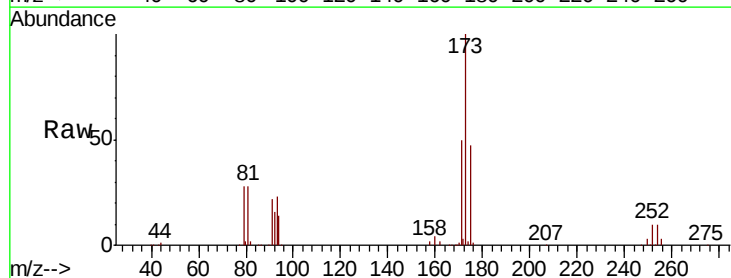
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

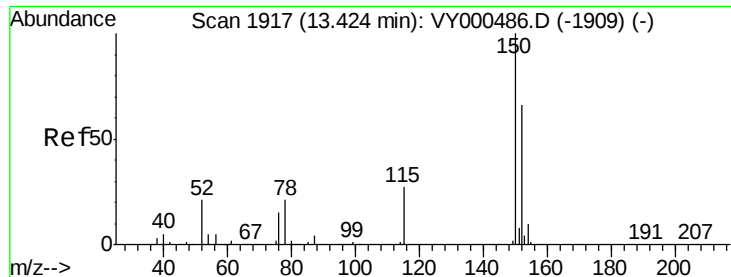
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.8	39.0	58.4
103	58.0	42.5	63.7



#71
Bromoform
Concen: 86.655 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.4	73.2
254	0.1	0.1	0.1#



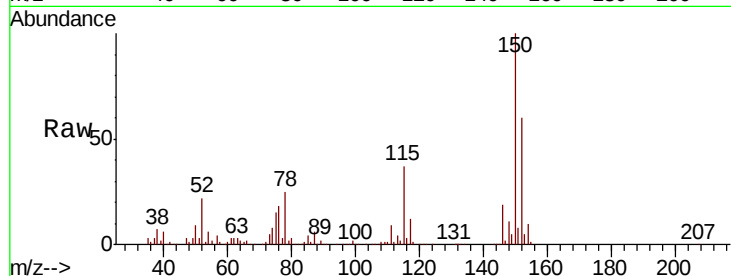


#72

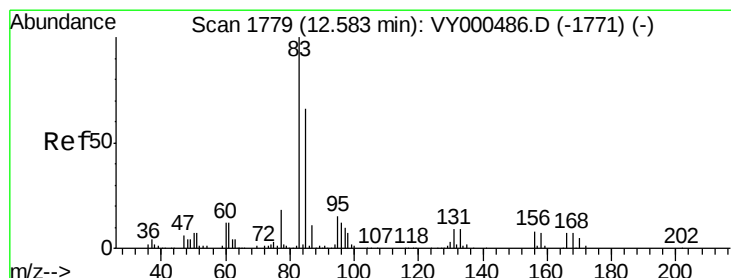
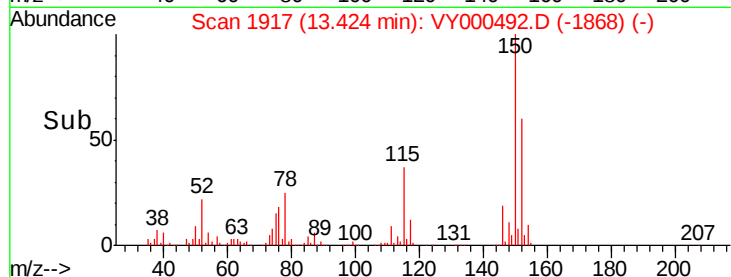
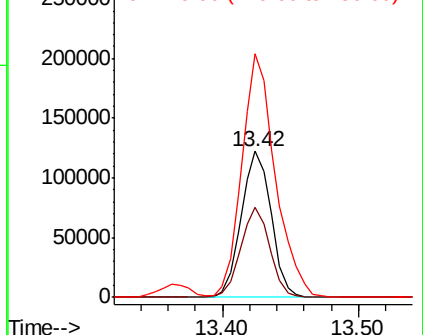
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

Tot Ion:152 Resp: 187035
Ion Ratio Lower Upper
152 100
115 59.7 29.1 87.4
150 186.7 0.0 348.8



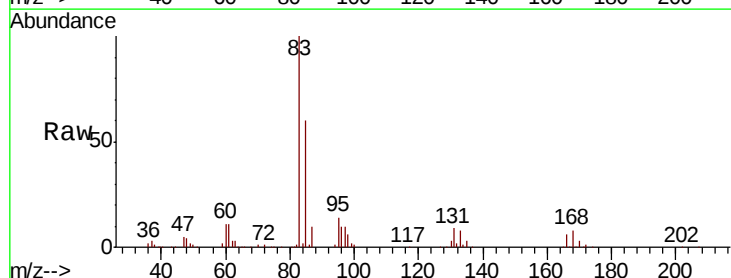
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



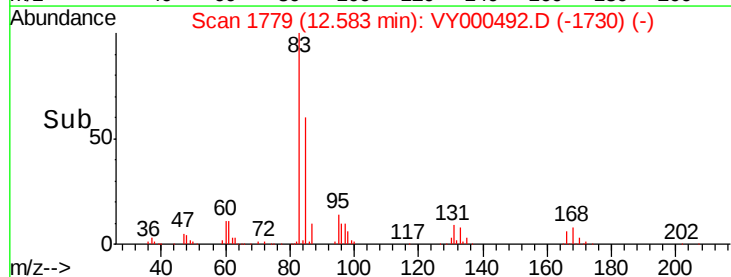
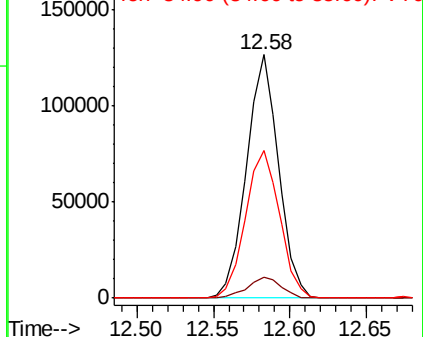
#75

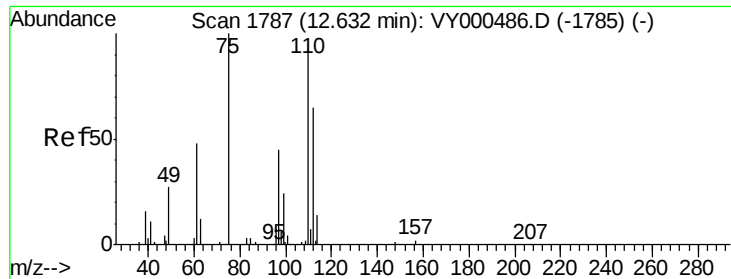
1,1,2,2-Tetrachloroethane
Concen: 67.443 ug/l
RT: 12.58 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Tgt Ion: 83 Resp: 184594
Ion Ratio Lower Upper
83 100
131 9.1 5.0 14.9
85 64.2 32.3 96.9



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

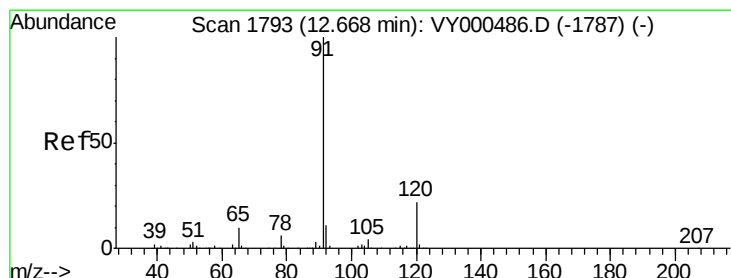
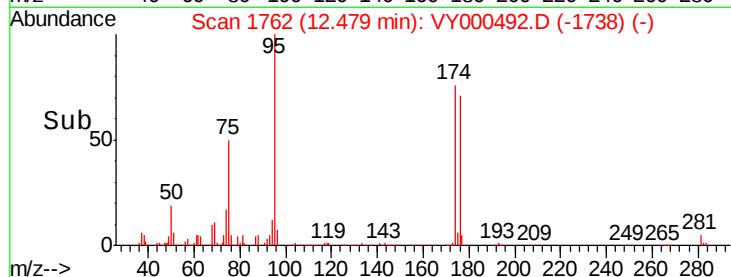
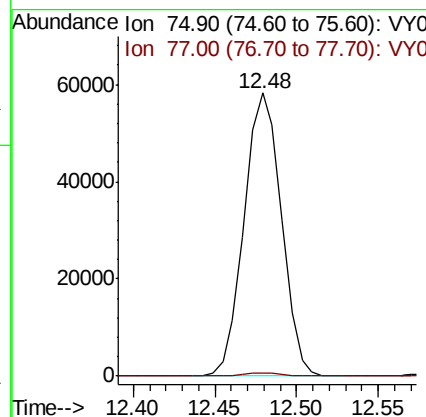
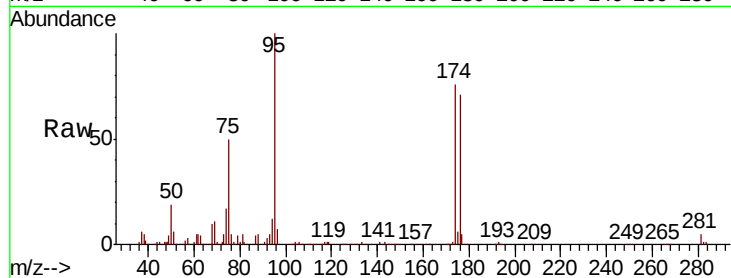




#76
 1,2,3-Trichloropropane
 Concen: 43.567 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

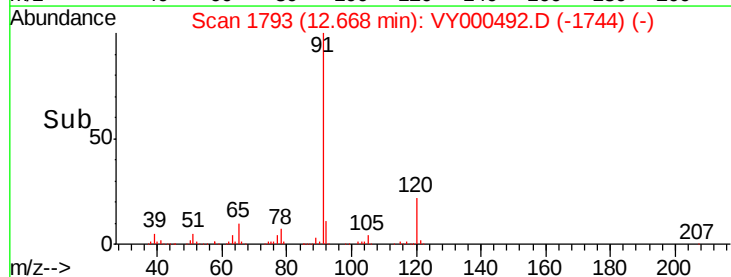
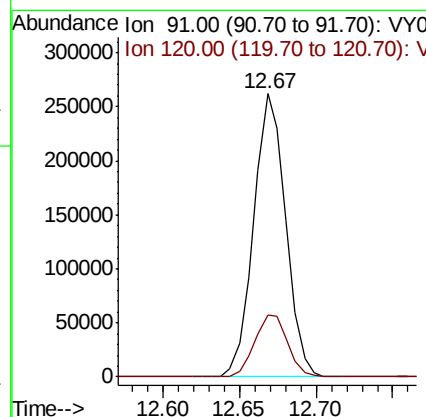
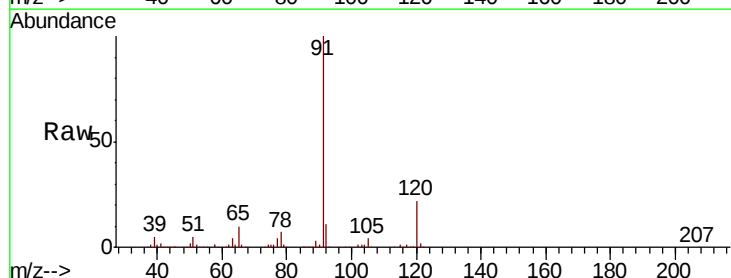
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

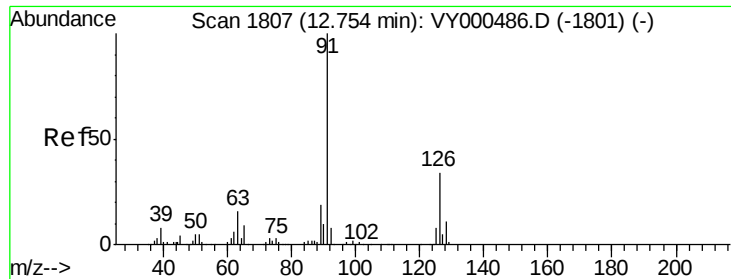
Tot Ion: 75 Resp: 92783
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#78
 n-propylbenzene
 Concen: 22.812 ug/l
 RT: 12.67 min Scan# 1793
 Delta R.T. -0.00 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

Tgt Ion: 91 Resp: 380476
 Ion Ratio Lower Upper
 91 100
 120 22.8 11.4 34.1





#79

2-Chlorotoluene

Concen: 5.837 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.06 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

Instrument :

MSVOA_Y

ClientSampleId :

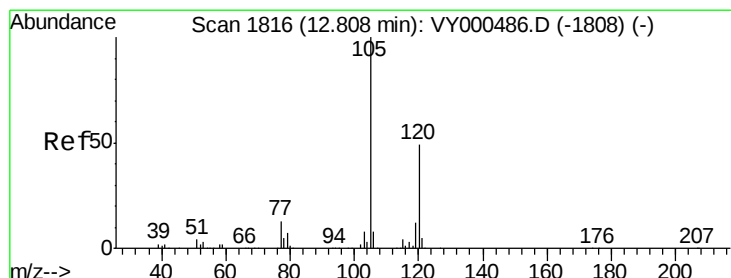
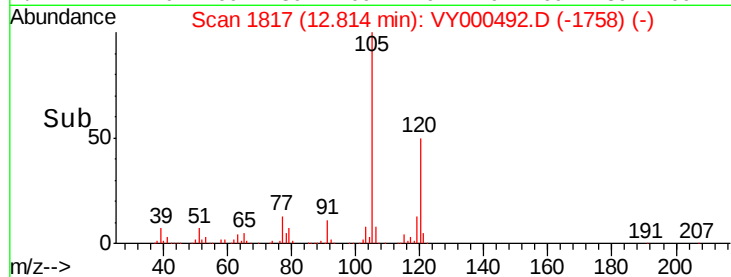
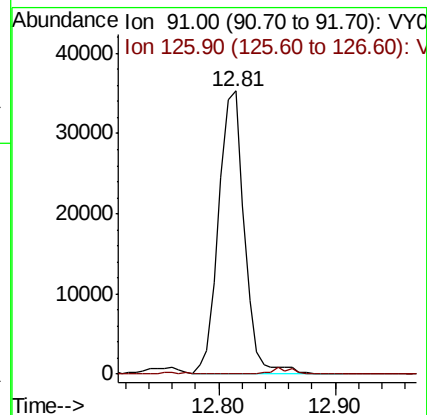
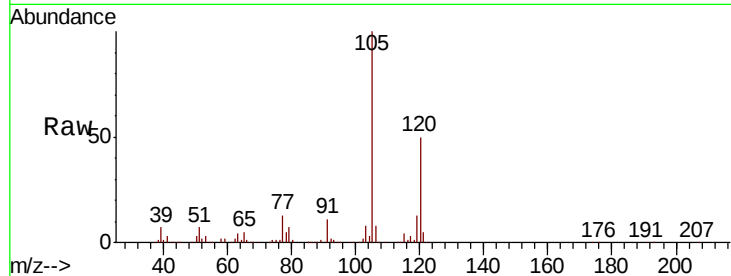
PT-VOA-SOILDL

Tot Ion: 91 Resp: 54043

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#



#80

1,3,5-Trimethylbenzene

Concen: 42.303 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000492.D

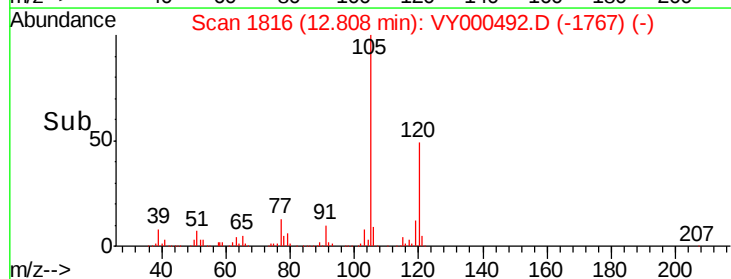
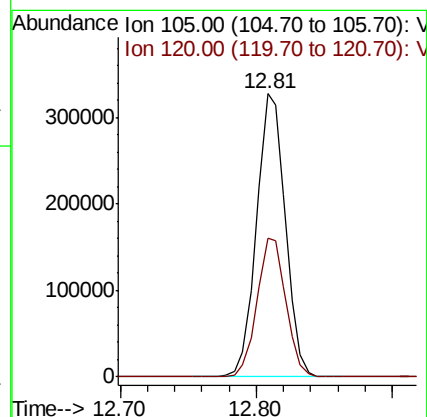
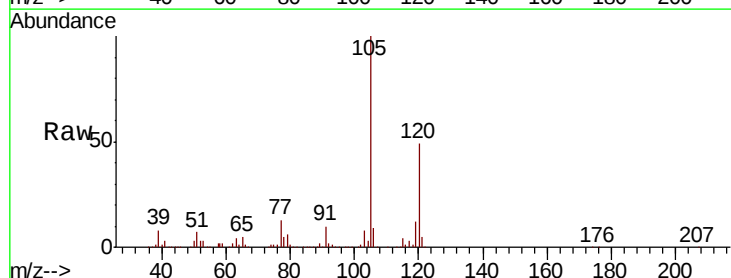
Acq: 30 Oct 2019 15:35

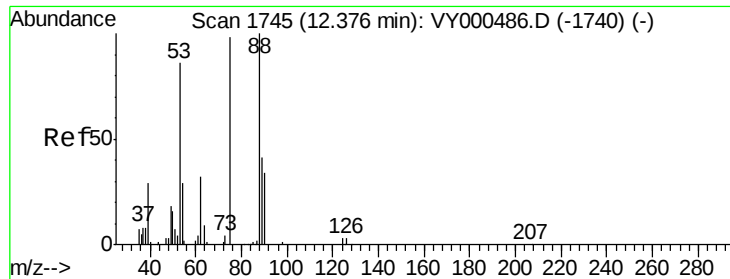
Tgt Ion: 105 Resp: 487023

Ion Ratio Lower Upper

105 100

120 49.1 24.9 74.8

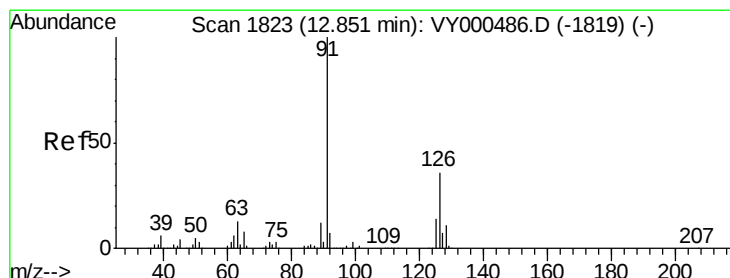
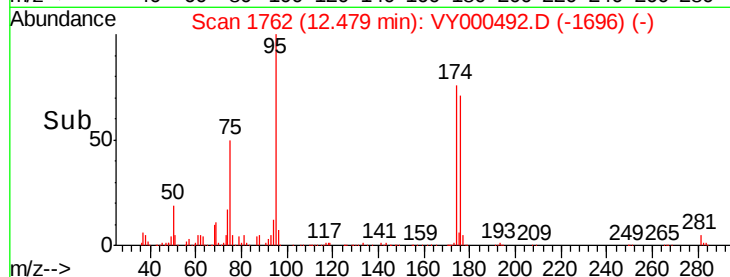
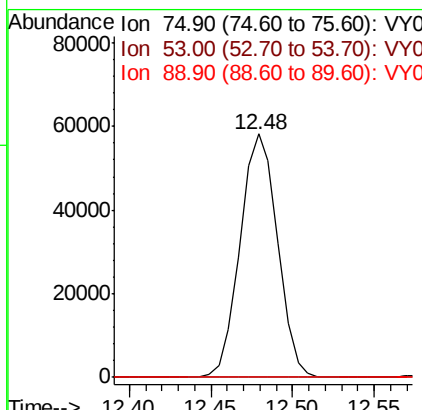
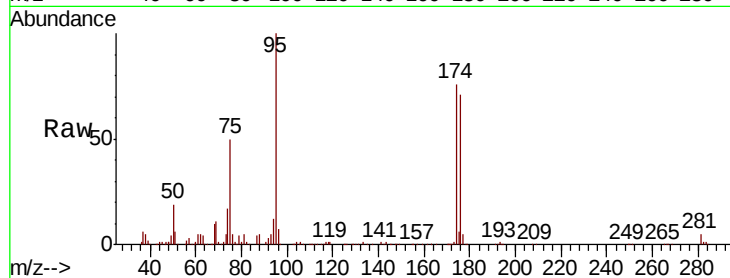




#81
trans-1,4-Dichloro-2-butene
Concen: 97.684 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

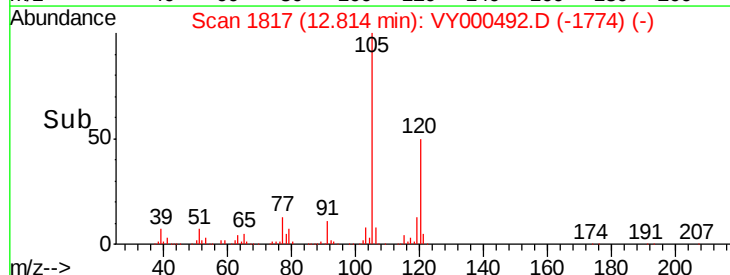
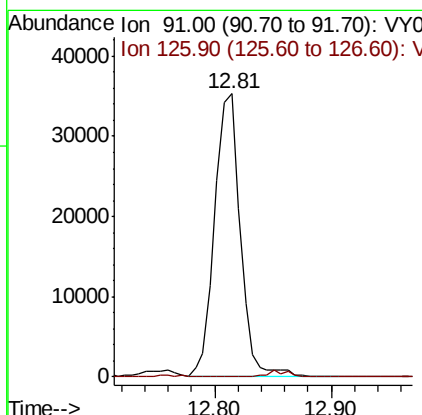
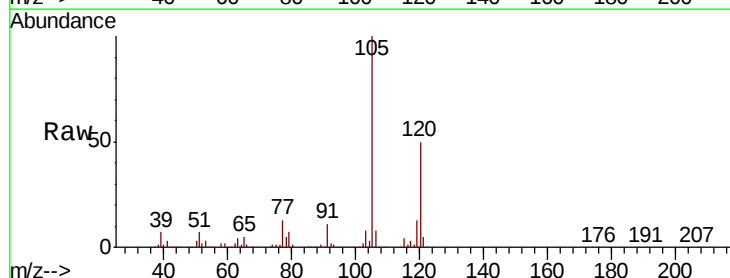
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

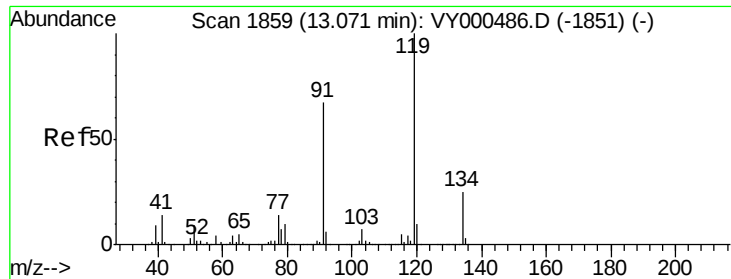
Tot Ion: 75 Resp: 92783
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 35.9 53.9#



#82
4-Chlorotoluene
Concen: 5.631 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.04 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Tgt Ion: 91 Resp: 54043
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#

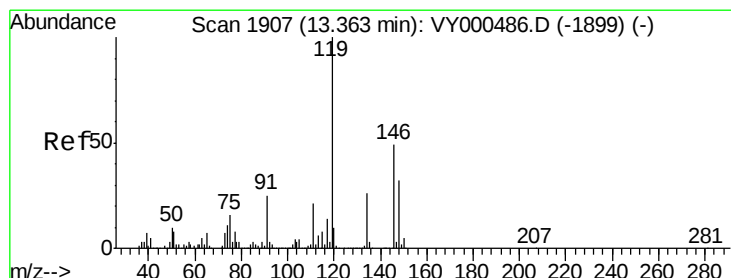
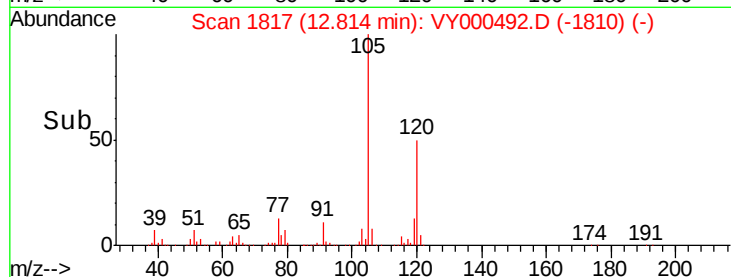
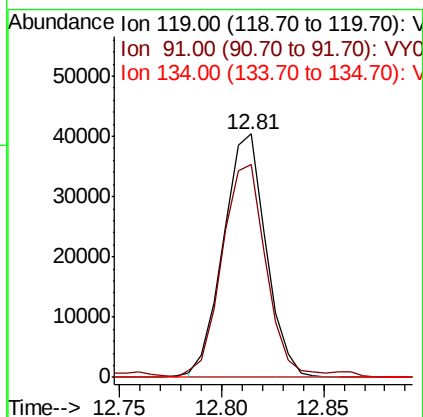
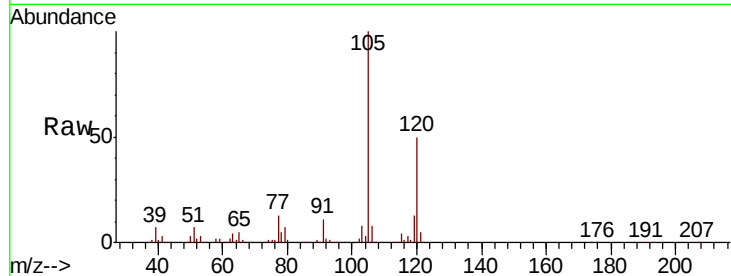




#83
tert-Butylbenzene
Concen: 5.936 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.26 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

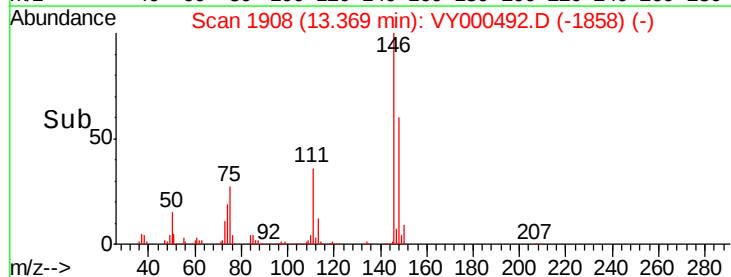
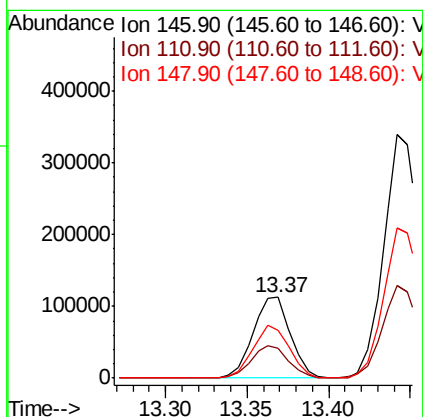
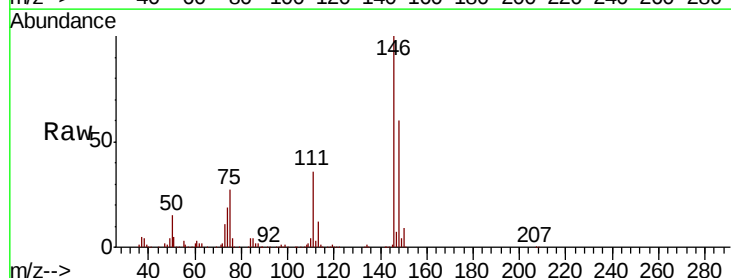
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

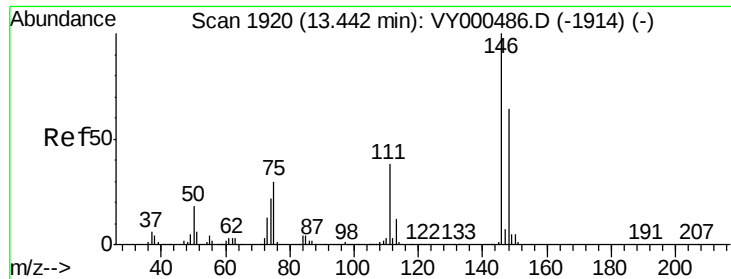
Tot Ion:119 Resp: 58346
Ion Ratio Lower Upper
119 100
91 91.9 32.1 96.3
134 0.0 13.2 39.5#



#87
1,3-Dichlorobenzene
Concen: 29.096 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. 0.01 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Tgt Ion:146 Resp: 178645
Ion Ratio Lower Upper
146 100
111 39.8 20.3 60.8
148 64.2 31.5 94.5

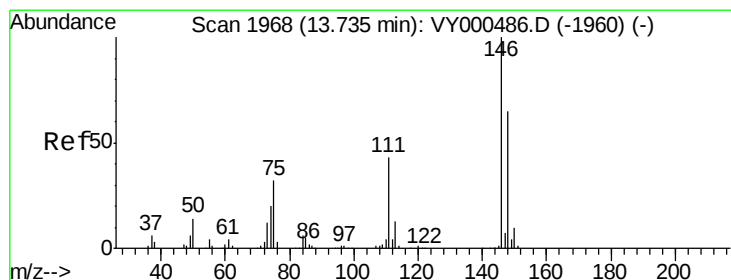
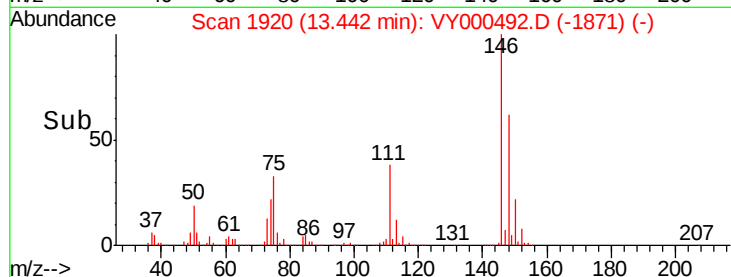
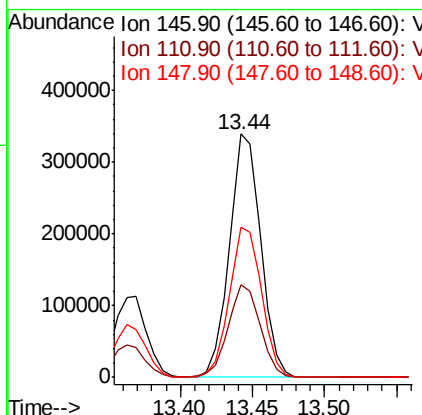
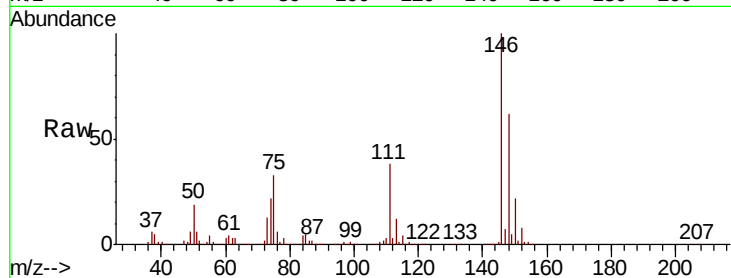




#88
 1,4-Dichlorobenzene
 Concen: 84.342 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

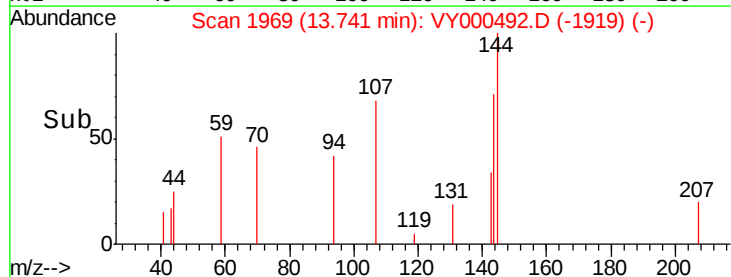
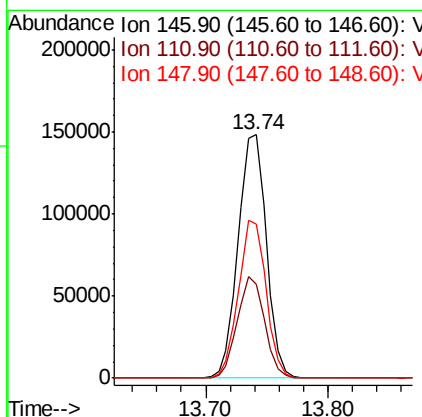
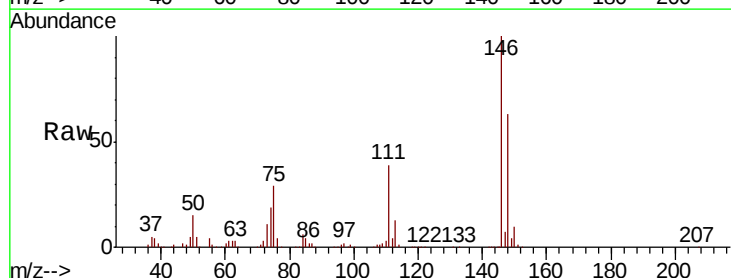
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

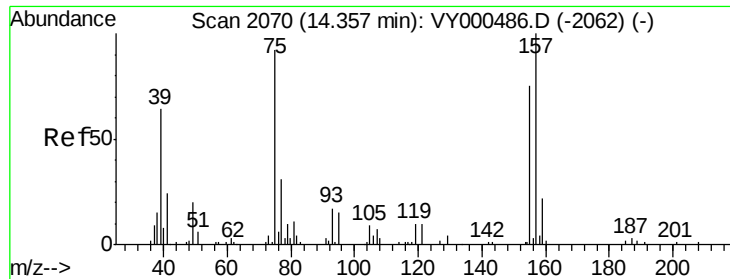
Tot Ion:146 Resp: 517478
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 63.6 31.9 95.7



#91
 1,2-Dichlorobenzene
 Concen: 42.549 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000492.D
 Acq: 30 Oct 2019 15:35

Tgt Ion:146 Resp: 237031
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.5 61.5
 148 63.3 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 31.641 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

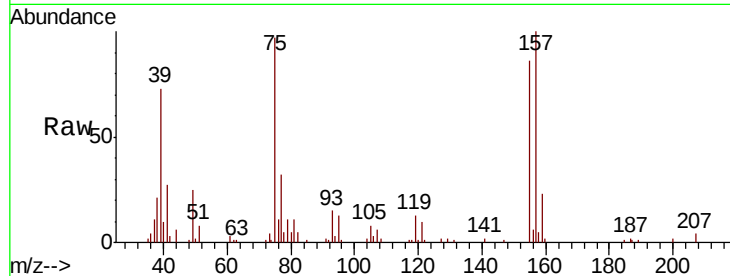
Tot Ion: 75 Resp: 15327

Ion Ratio Lower Upper

75 100

155 86.8 42.4 127.1

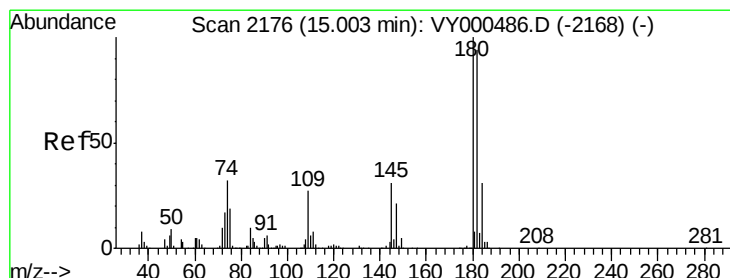
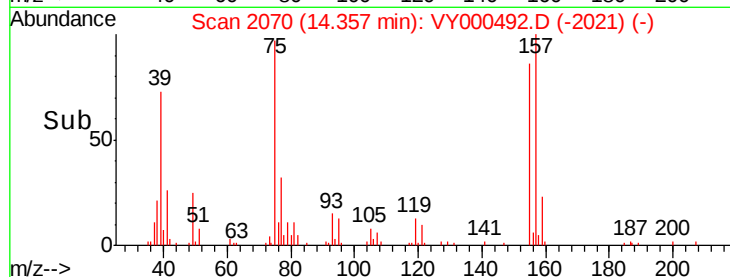
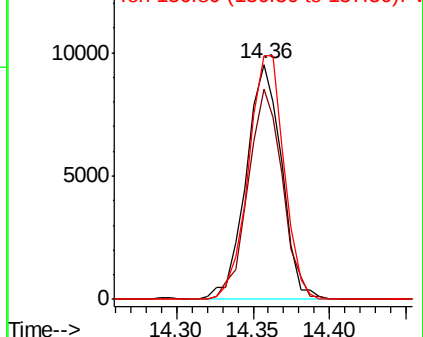
157 104.1 55.1 165.3



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 62.165 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. 0.01 min

Lab File: VY000492.D

Acq: 30 Oct 2019 15:35

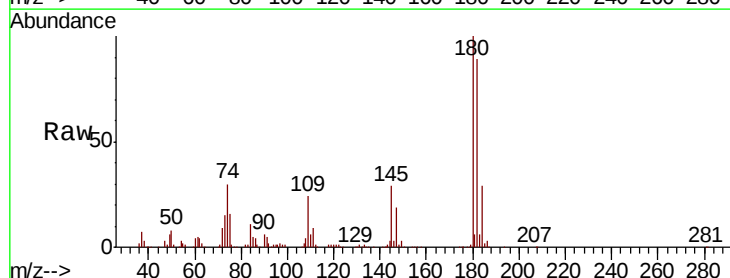
Tgt Ion:180 Resp: 235801

Ion Ratio Lower Upper

180 100

182 93.6 47.8 143.4

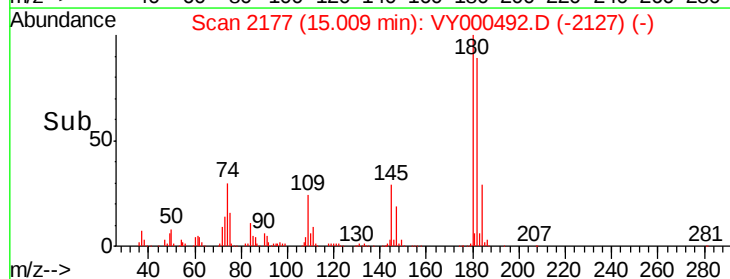
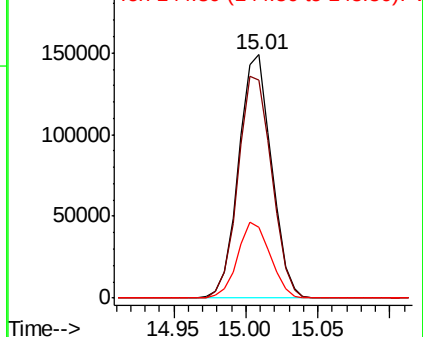
145 31.1 16.0 47.9

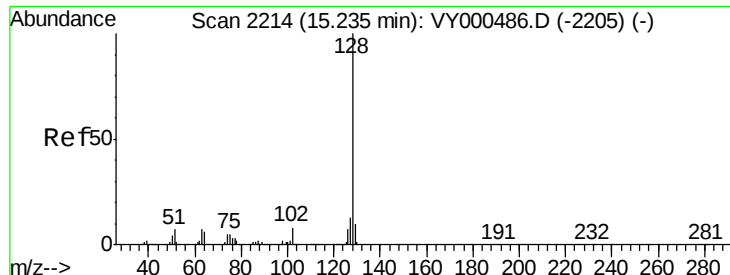


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

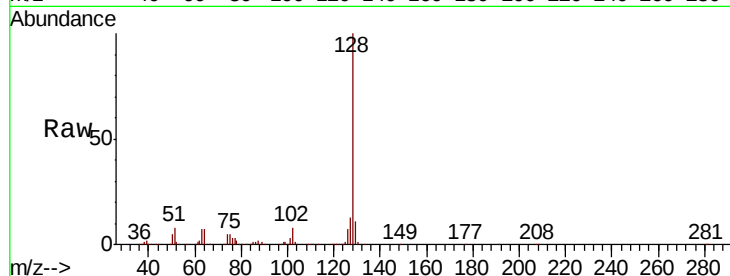




#95
Naphthalene
Concen: 58.025 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000492.D
Acq: 30 Oct 2019 15:35

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.6
129	10.9	8.7	13.1



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

