

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103019\
 Data File : VY000491.D
 Acq On : 30 Oct 2019 14:40
 Operator : SY/MD
 Sample : K5609-22
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOIL

Quant Time: Oct 31 02:10:31 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	260917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	429138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	378981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	183767	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	140296	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
35) Dibromofluoromethane	7.72	113	120973	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	10.18	98	502575	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.48	95	177842	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.08	142	213	3.256	ug/l #	56
11) Tert butyl alcohol	4.96	59	1121	4.265	ug/l #	72
14) Allyl chloride	4.42	41	6484	1.530	ug/l #	29
15) Acrylonitrile	5.22	53	5914	7.322	ug/l #	10
16) Acetone	3.96	43	453902	609.925	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	537095	74.119	ug/l	98
20) Methylene Chloride	4.72	84	324309	101.703	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	196235	66.600	ug/l	96
25) 2-Butanone	7.00	43	233032	196.207	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	249561	77.459	ug/l	90
28) Bromochloromethane	7.50	49	143	4.150	ug/l #	14
31) Cyclohexane	7.80	56	5832	1.116	ug/l #	20
36) 1,1-Dichloropropene	7.79	75	21571	5.317	ug/l #	50
37) Ethyl Acetate	7.00	43	233032	96.751	ug/l #	1
38) Carbon Tetrachloride	7.79	117	25512	6.535	ug/l #	16
42) 1,2-Dichloroethane	8.25	62	402784	119.400	ug/l	99
43) Isopropyl Acetate	8.35	43	272043	60.126	ug/l #	15
44) Trichloroethene	8.94	130	324620	103.516	ug/l	96
45) 1,2-Dichloropropane	9.22	63	450315	153.834	ug/l	96
48) Methyl methacrylate	9.22	41	239680	121.242	ug/l #	32
51) 4-Methyl-2-Pentanone	10.08	43	558123	232.013	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	397294	97.338	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	652958	139.644	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	268762	115.422	ug/l	96
59) 2-Hexanone	10.83	43	217797	124.265	ug/l	98
60) Dibromochloromethane	10.99	129	162928	61.087	ug/l	99
61) 1,2-Dibromoethane	11.09	107	114565	51.171	ug/l	97
64) Tetrachloroethene	10.72	164	340538	108.669	ug/l	97
65) Chlorobenzene	11.52	112	817799	106.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	240449	90.230	ug/l	98
67) Ethyl Benzene	11.70	91	1597328	112.954	ug/l #	66
68) m/p-Xylenes	11.70	106	796488	145.522	ug/l	96
69) o-Xylene	12.03	106	792647	154.092	ug/l	99
70) Styrene	12.05	104	817875	92.852	ug/l	93

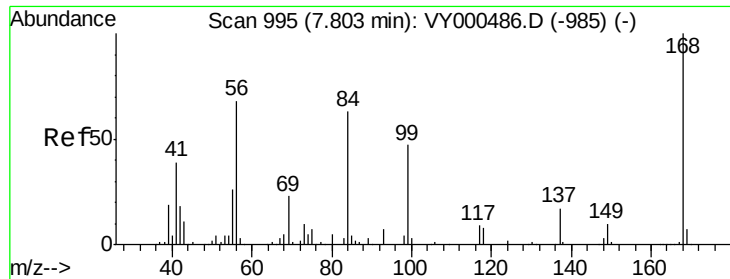
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103019\
 Data File : VY000491.D
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 Operator : SY/MD
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Quant Time: Oct 31 02:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant 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)
71) Bromoform	12.21	173	281035	183.355	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	369330	137.338	ug/l	99
76) 1,2,3-Trichloropropane	12.67	75	4883	2.334	ug/l #	100
78) n-propylbenzene	12.67	91	746419	45.548	ug/l	99
79) 2-Chlorotoluene	12.81	91	101590	11.167	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.81	105	955695	84.488	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	94903	101.692	ug/l #	13
82) 4-Chlorotoluene	12.81	91	101590	10.773	ug/l #	39
83) tert-Butylbenzene	12.81	119	113447	11.746	ug/l #	65
87) 1,3-Dichlorobenzene	13.36	146	337712	55.981	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	986964	163.723	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	455195	83.164	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	31796	66.808	ug/l	96
93) 1,2,4-Trichlorobenzene	15.01	180	423005	113.501	ug/l	99
95) Naphthalene	15.23	128	904857	109.369	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	3920	1.172	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampled :

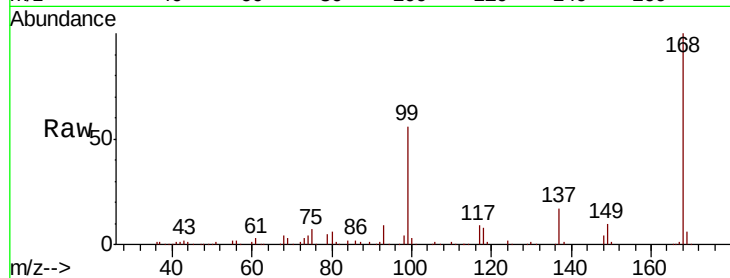
PT-VOA-SOIL

Tot Ion:168 Resp: 260917

Ion Ratio Lower Upper

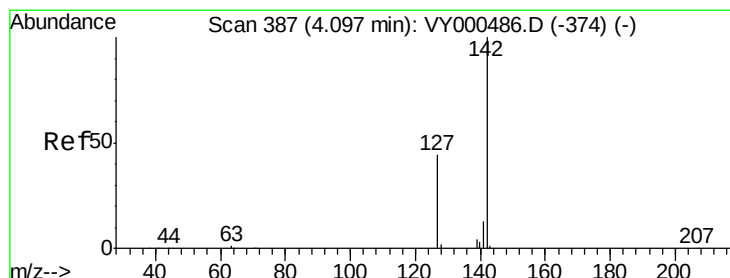
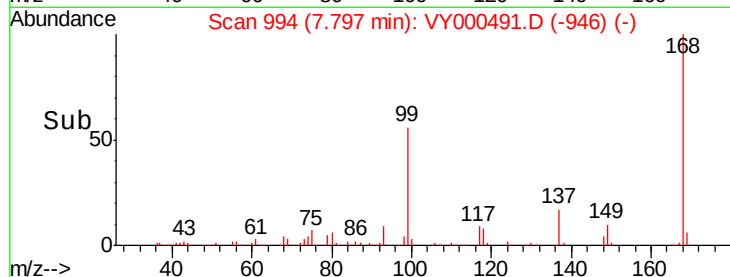
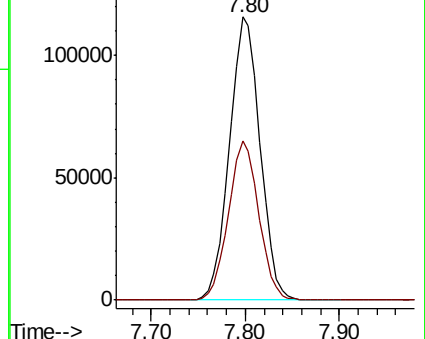
168 100

99 56.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.256 ug/l

RT: 4.08 min Scan# 385

Delta R.T. -0.01 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

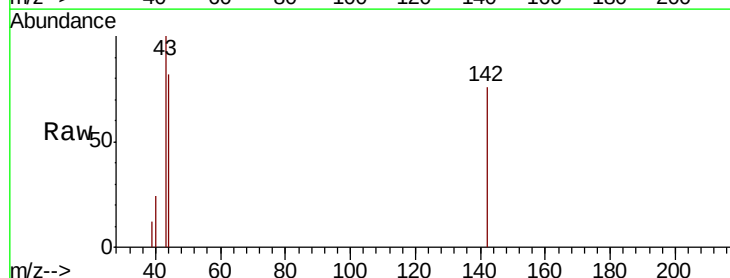
Tgt Ion:142 Resp: 213

Ion Ratio Lower Upper

142 100

127 71.8 33.7 50.5#

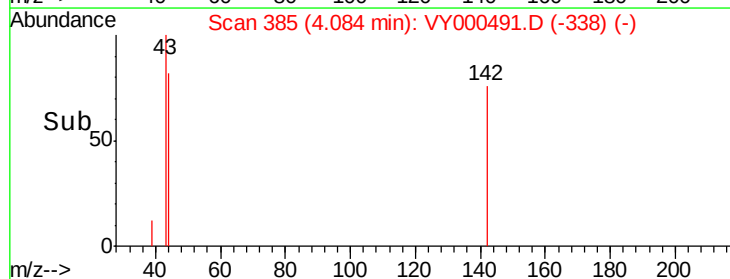
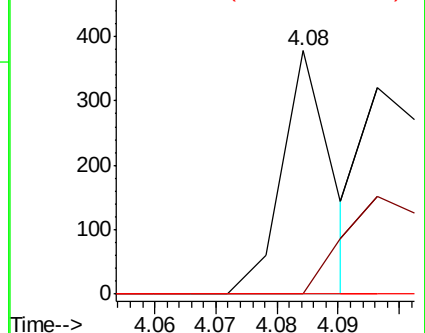
141 0.0 10.9 16.3#

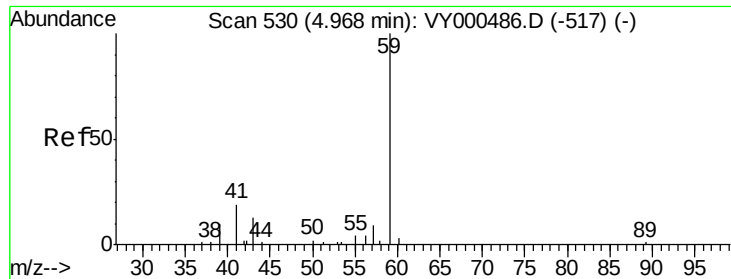


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



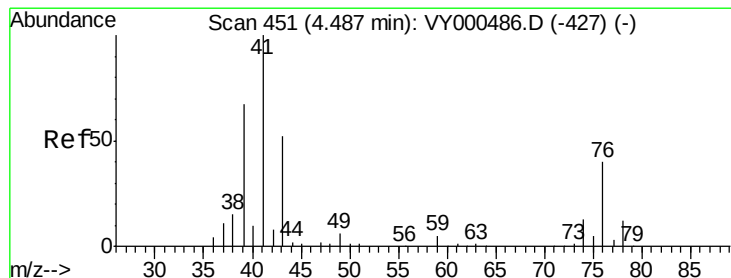
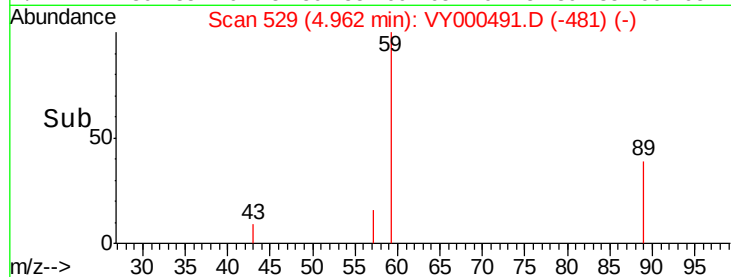
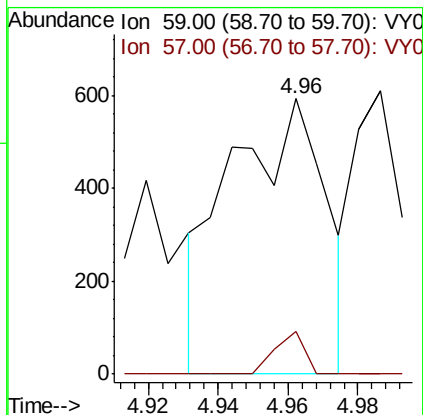
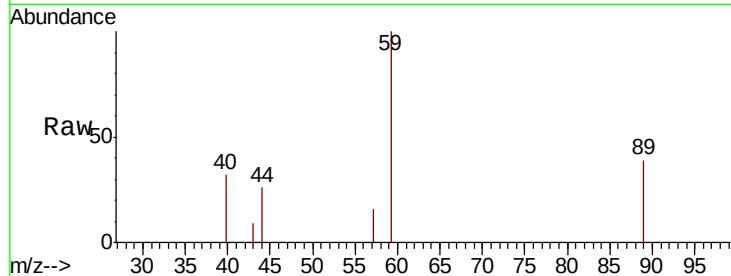


#11

Tert butyl alcohol
 Concen: 4.265 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

Instrument :
 MSVOA_Y
 ClientSampled :
 PT-VOA-SOIL

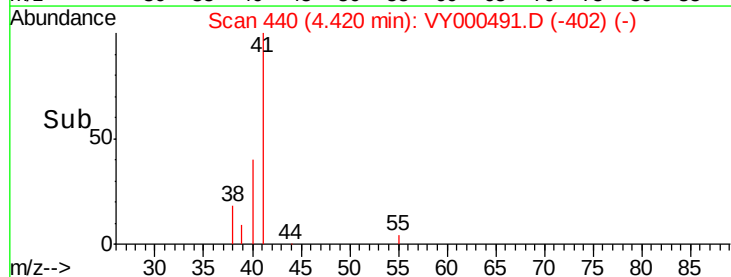
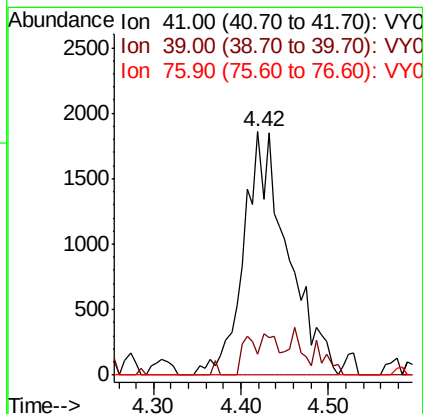
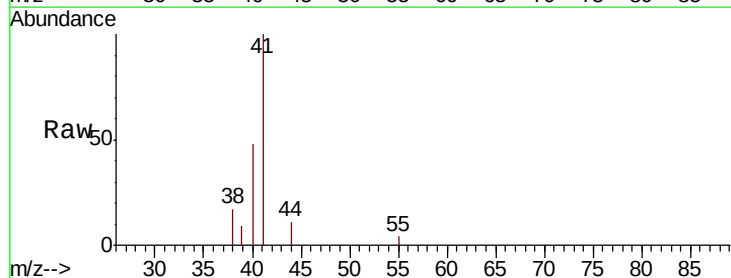
Tot Ion: 59 Resp: 1121
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

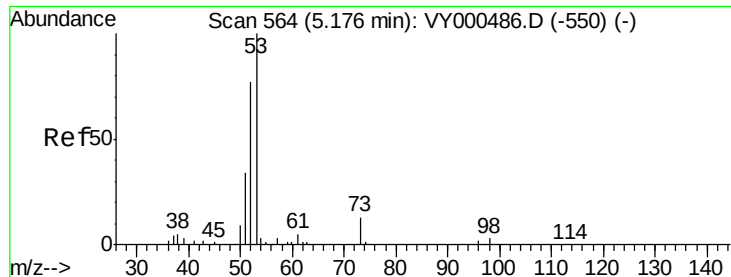


#14

Allyl chloride
 Concen: 1.530 ug/l
 RT: 4.42 min Scan# 440
 Delta R.T. -0.07 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

Tgt Ion: 41 Resp: 6484
 Ion Ratio Lower Upper
 41 100
 39 6.0 53.6 80.4#
 76 0.0 29.8 44.6#





#15

Acrylonitrile

Concen: 7.322 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.05 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampled :

PT-VOA-SOIL

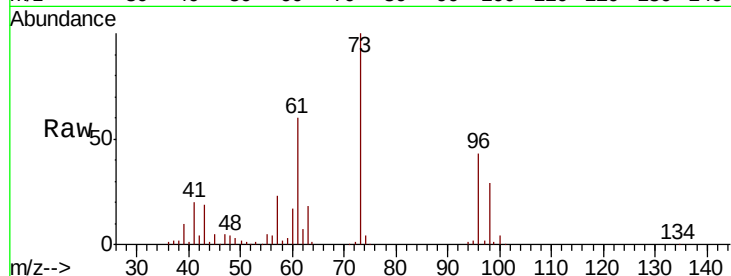
Tot Ion: 53 Resp: 5914

Ion Ratio Lower Upper

53 100

52 7.4 64.9 97.3#

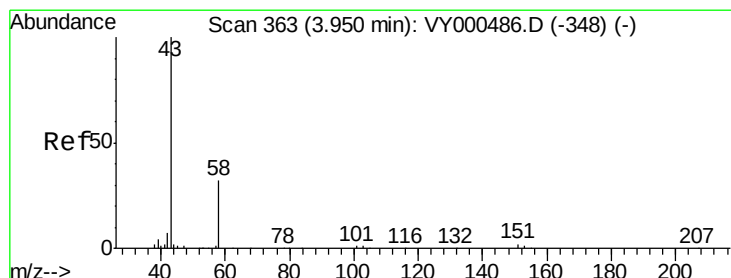
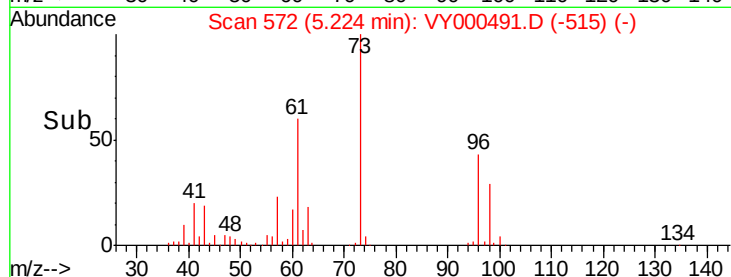
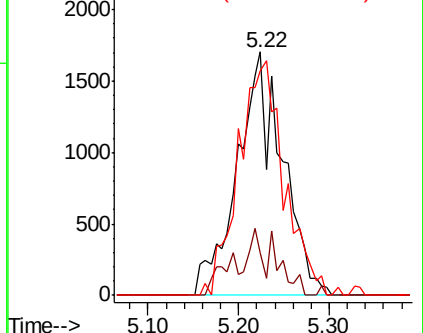
51 96.7 27.6 41.4#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 609.925 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000491.D

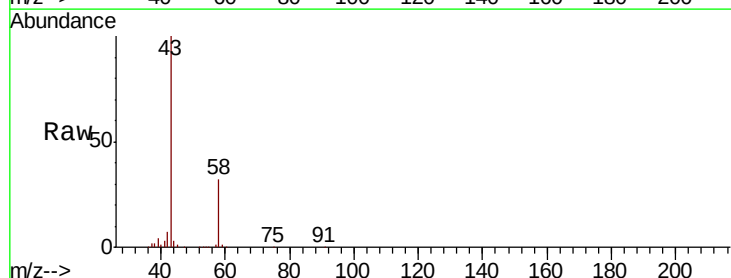
Acq: 30 Oct 2019 14:40

Tgt Ion: 43 Resp: 453902

Ion Ratio Lower Upper

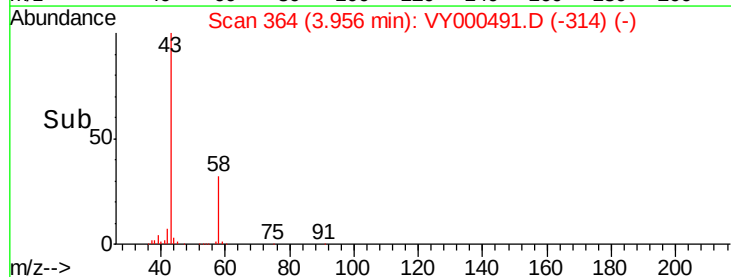
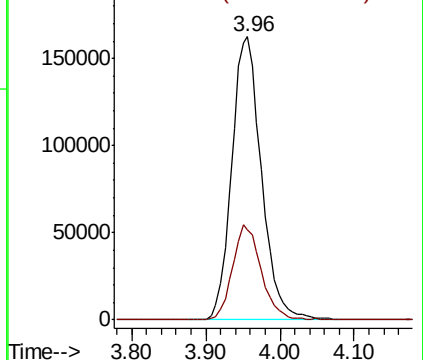
43 100

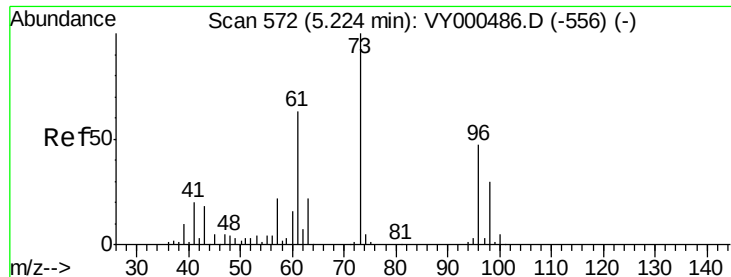
58 31.9 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

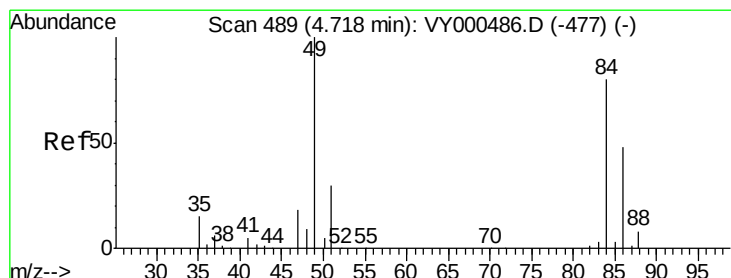
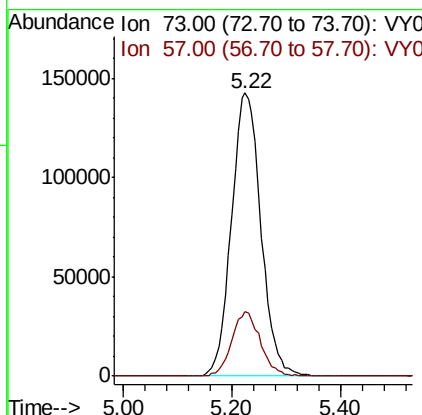
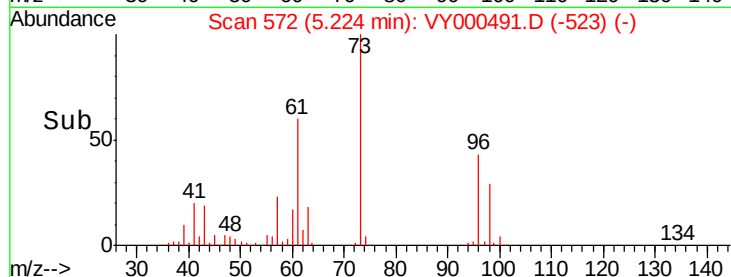
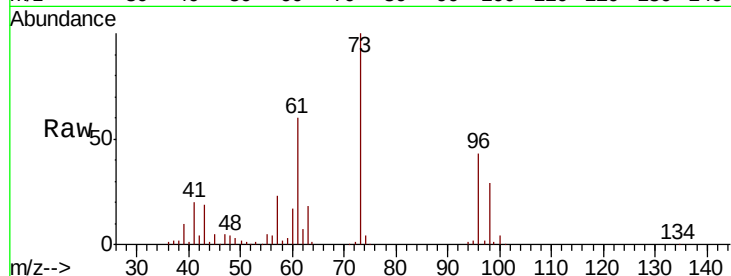




#19
Methyl tert-butyl Ether
Concen: 74.119 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

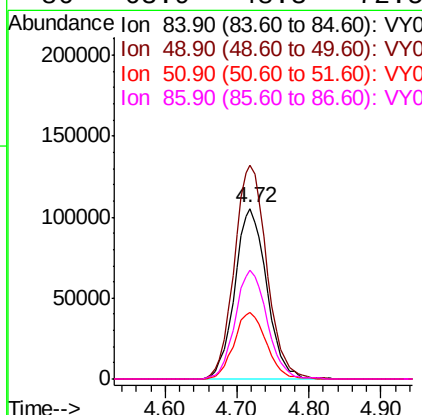
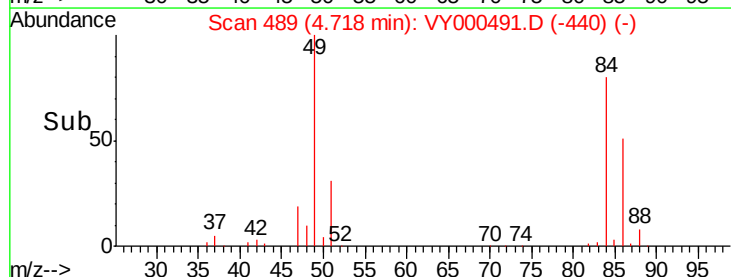
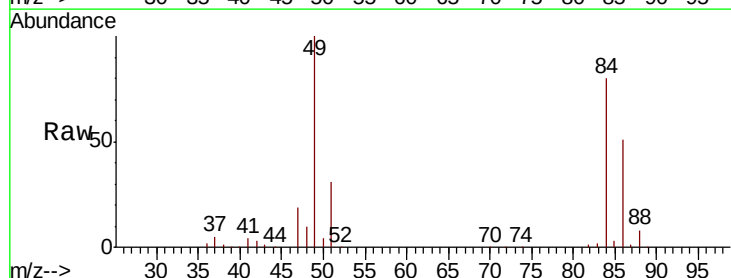
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

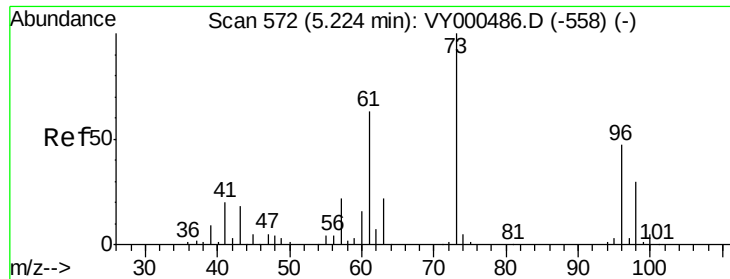
Tot Ion: 73 Resp: 537095
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.0



#20
Methylene Chloride
Concen: 101.703 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

Tgt Ion: 84 Resp: 324309
Ion Ratio Lower Upper
84 100
49 125.1 100.2 150.4
51 38.7 29.6 44.4
86 63.9 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 66.600 ug/l

RT: 5.22 min Scan# 571

Delta R.T. -0.01 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

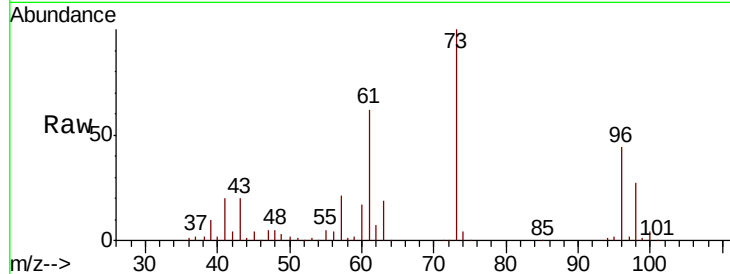
Tot Ion: 96 Resp: 196235

Ion Ratio Lower Upper

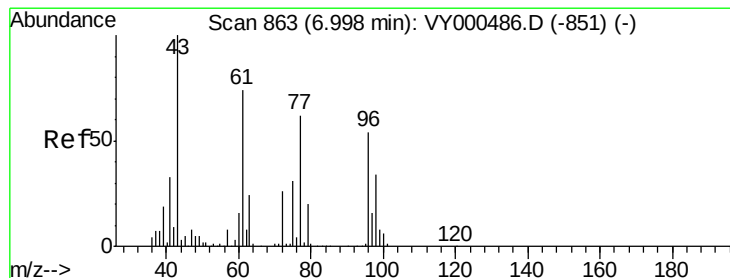
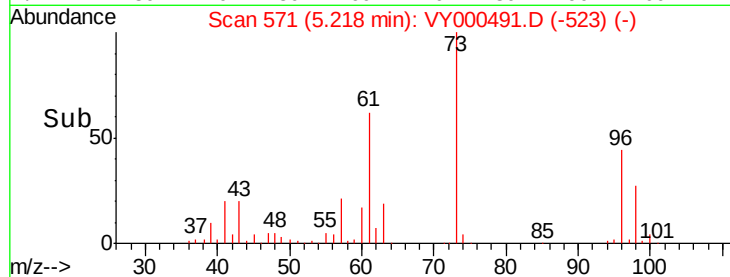
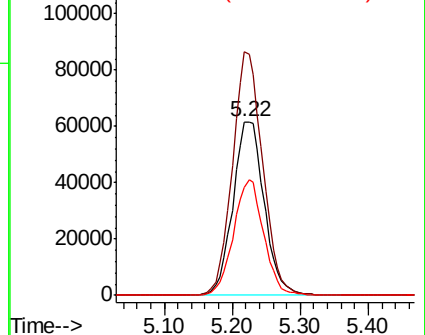
96 100

61 140.4 106.6 160.0

98 62.5 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: 196.207 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000491.D

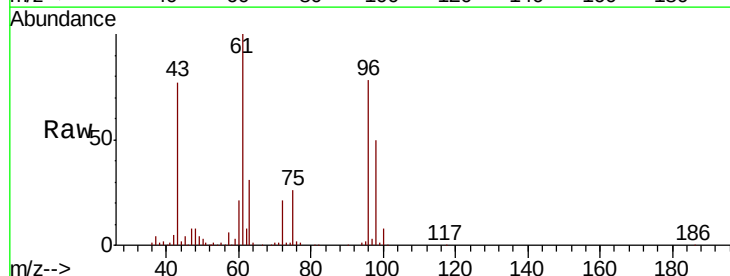
Acq: 30 Oct 2019 14:40

Tgt Ion: 43 Resp: 233032

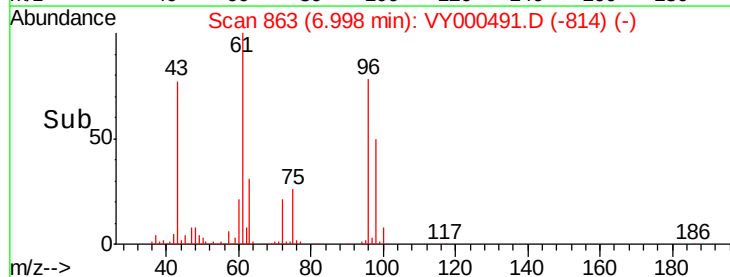
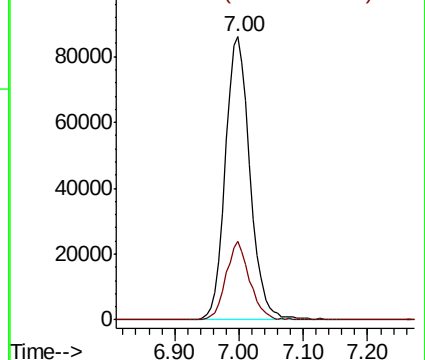
Ion Ratio Lower Upper

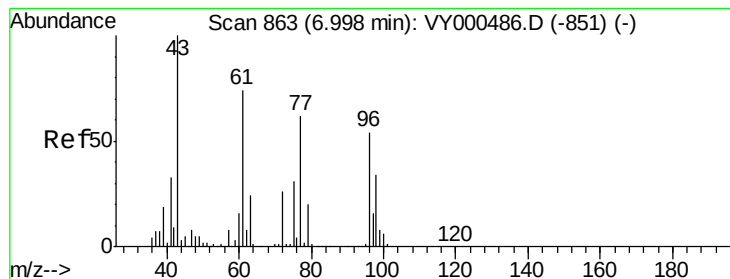
43 100

72 27.6 20.9 31.3



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



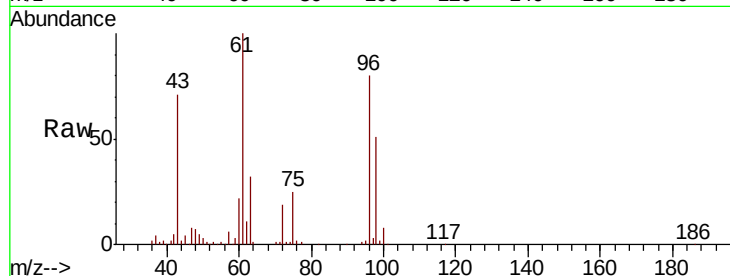


#27

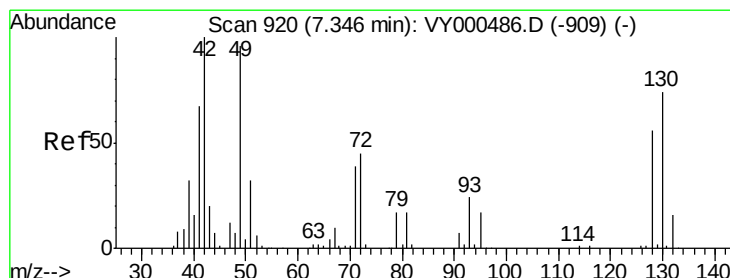
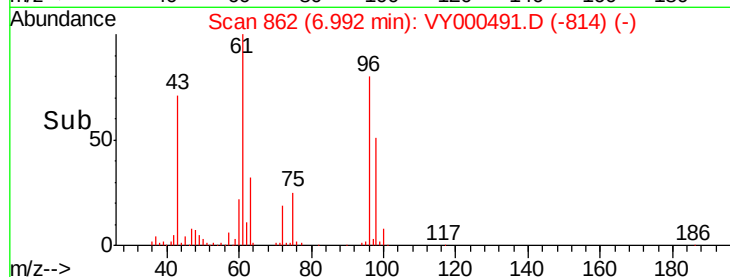
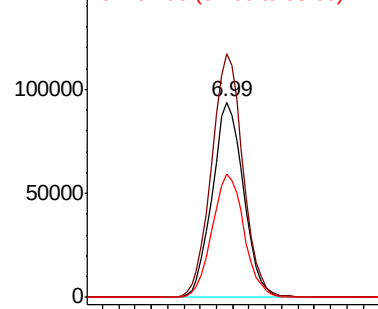
cis-1,2-Dichloroethene
Concen: 77.459 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

Tot Ion: 96 Resp: 249561
Ion Ratio Lower Upper
96 100
61 125.9 0.0 287.0
98 64.3 0.0 129.4



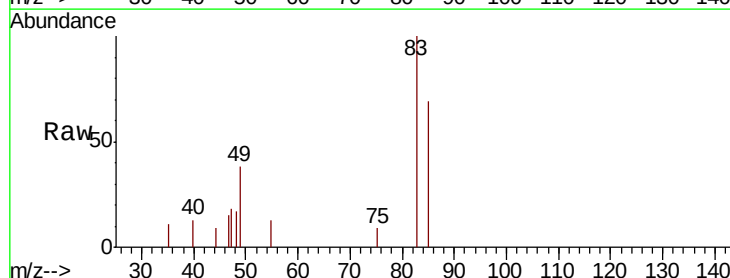
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



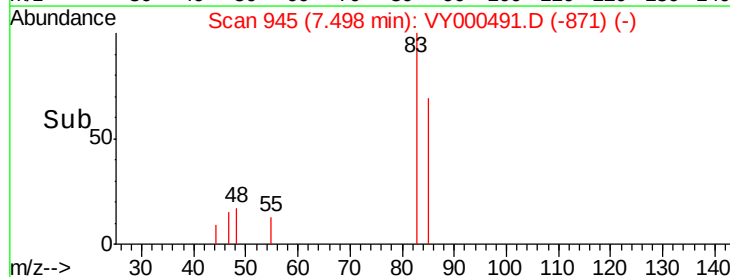
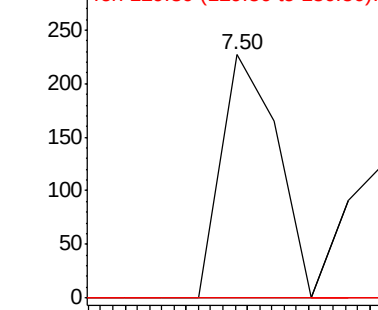
#28

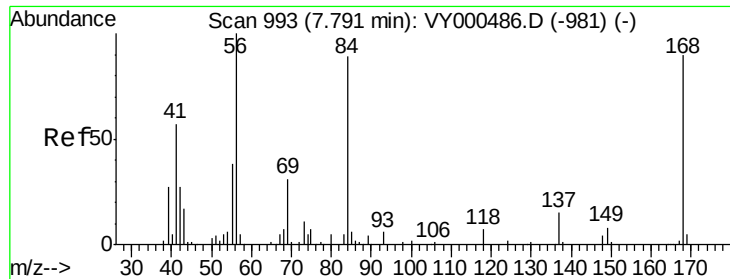
Bromochloromethane
Concen: 4.150 ug/l
RT: 7.50 min Scan# 945
Delta R.T. 0.15 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

Tgt Ion: 49 Resp: 143
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): VY0
Ion 129.80 (129.50 to 130.50): VY0

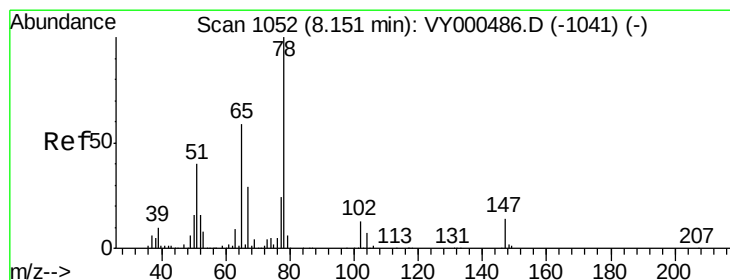
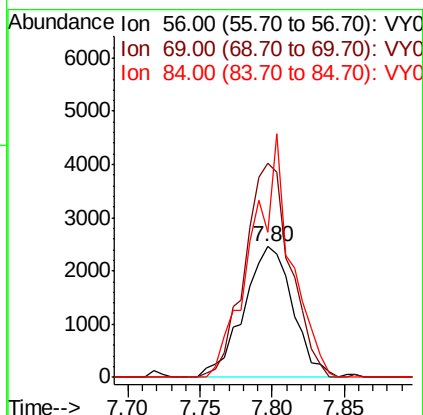
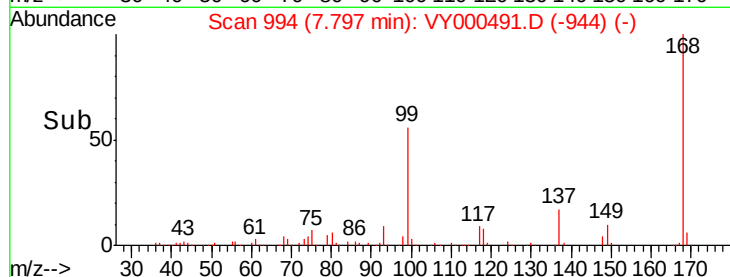
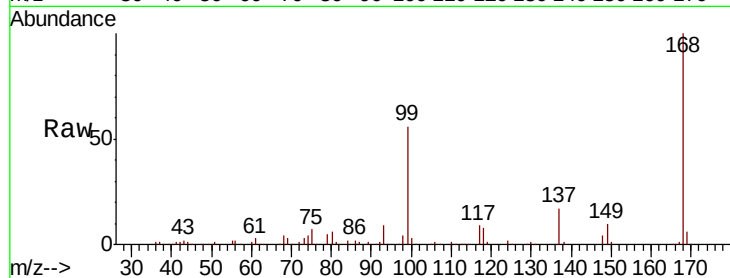




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

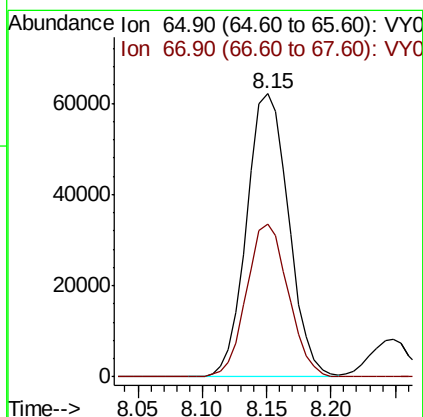
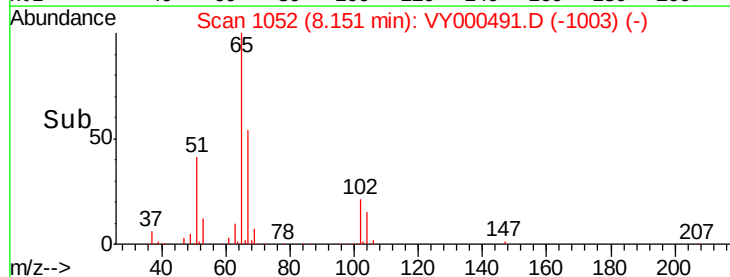
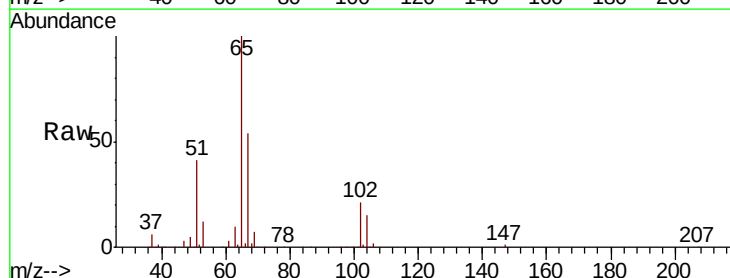
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

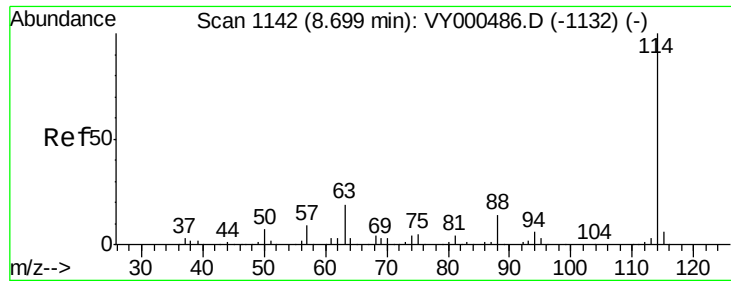
Tot Ion: 56 Resp: 5832
Ion Ratio Lower Upper
56 100
69 163.8 25.0 37.6#
84 111.4 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 51.959 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

Tgt Ion: 65 Resp: 140296
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2

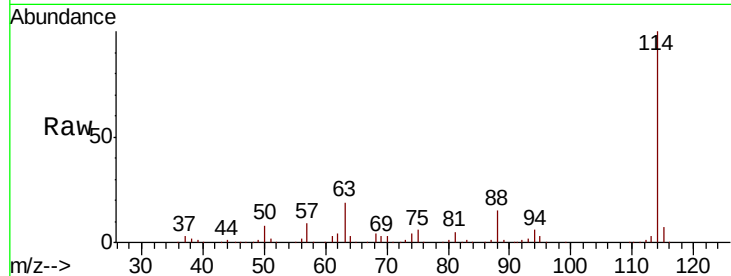




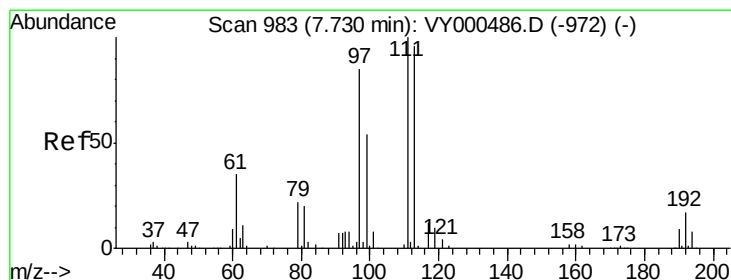
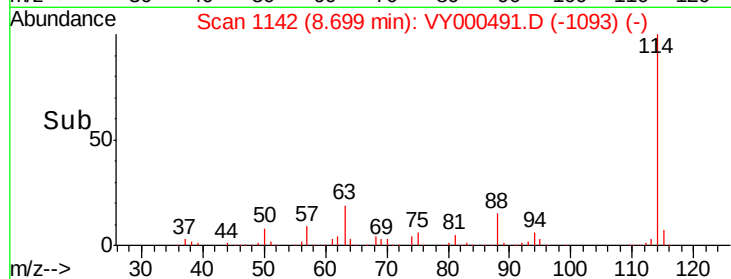
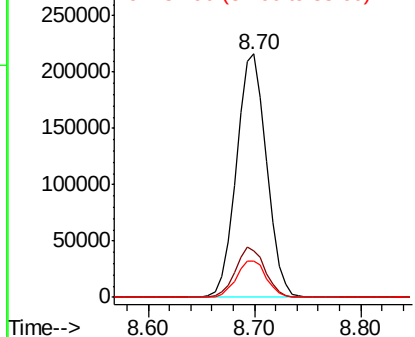
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOIL

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.0
88	15.0	0.0	28.6

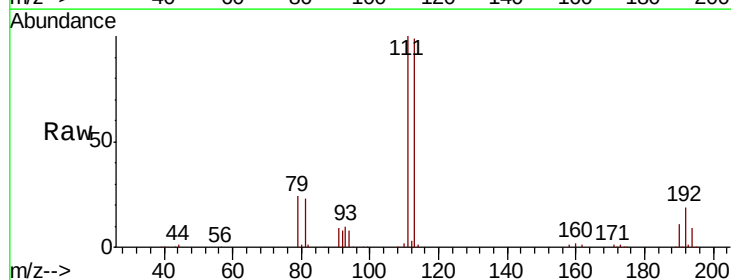


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

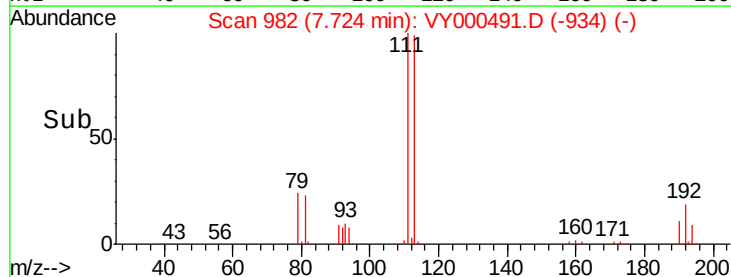
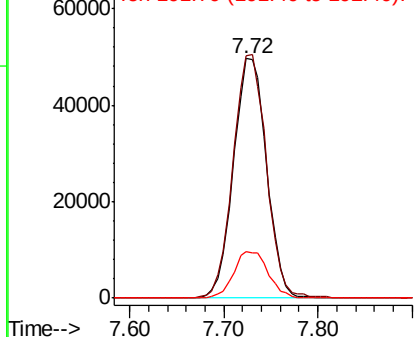


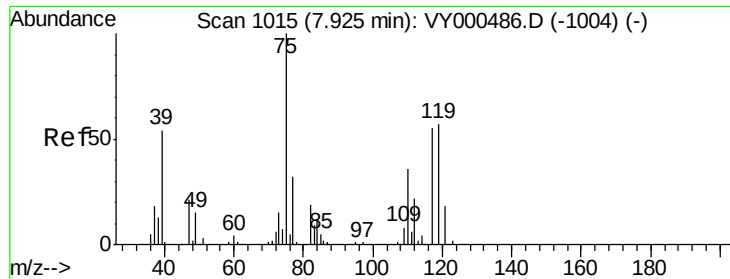
#35
 Dibromofluoromethane
 Concen: 48.018 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.7	122.5
192	20.2	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: 5.317 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampled :

PT-VOA-SOIL

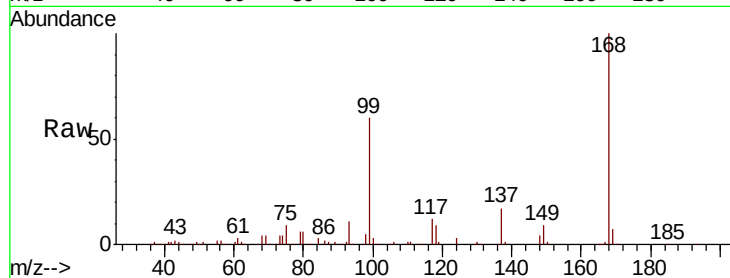
Tot Ion: 75 Resp: 21571

Ion Ratio Lower Upper

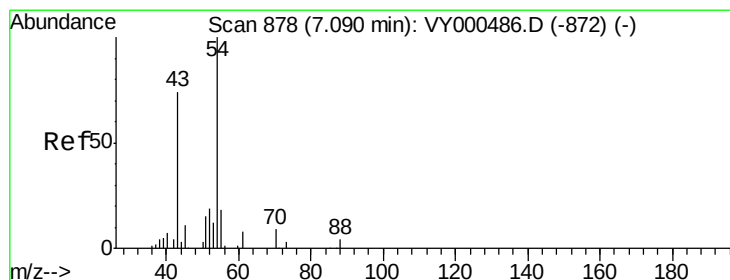
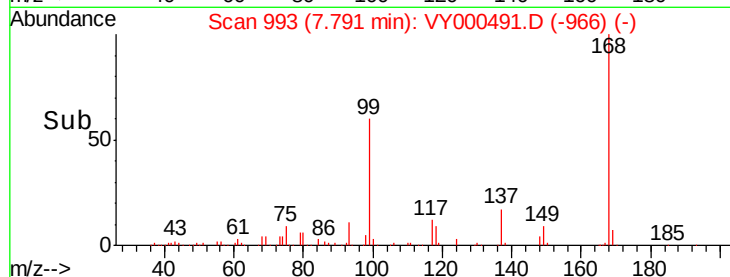
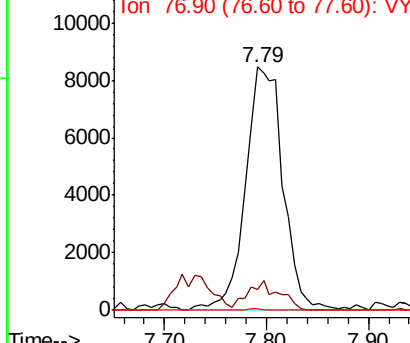
75 100

110 10.0 18.1 54.1#

77 0.2 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): VY0
Ion 76.90 (76.60 to 77.60): VY0



#37

Ethyl Acetate

Concen: 96.751 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.09 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

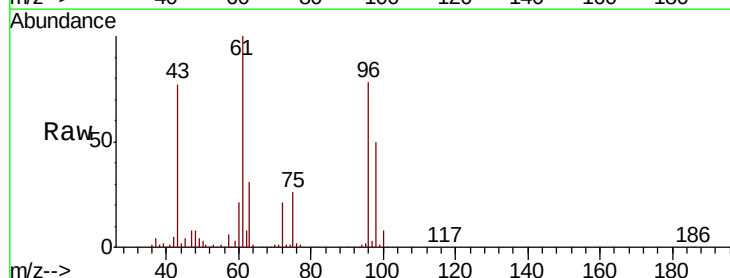
Tgt Ion: 43 Resp: 233032

Ion Ratio Lower Upper

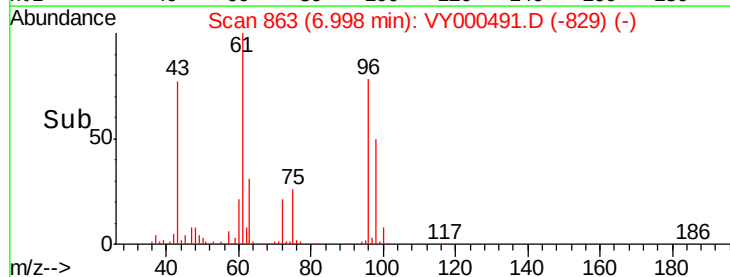
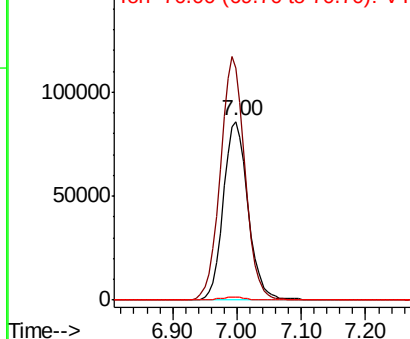
43 100

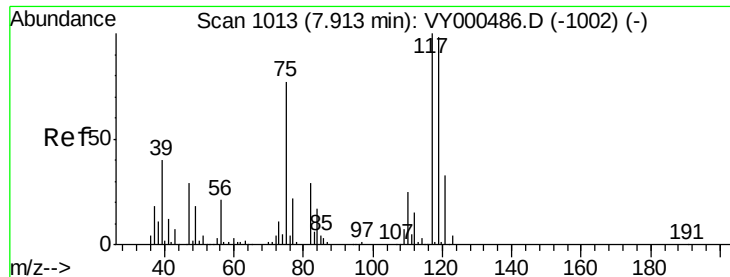
61 134.9 10.2 15.2#

70 1.6 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 6.535 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

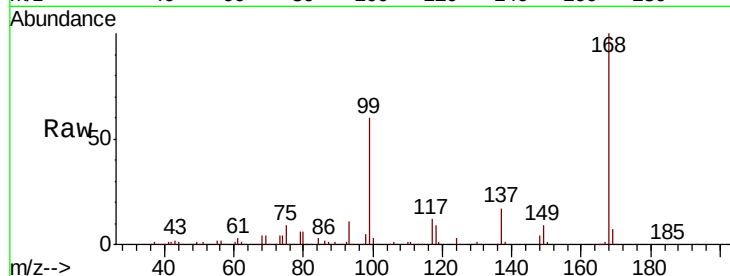
Tot Ion:117 Resp: 25512

Ion Ratio Lower Upper

117 100

119 6.3 78.0 117.0#

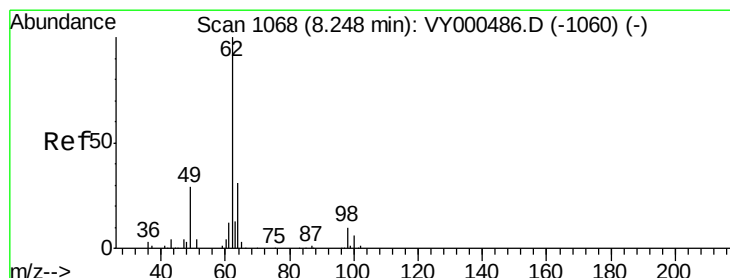
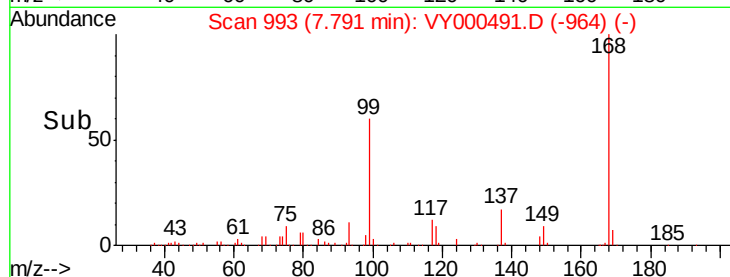
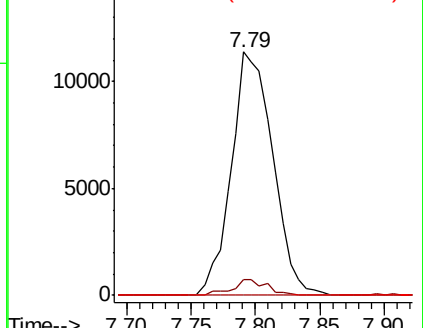
121 0.0 26.6 40.0#



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: 119.400 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VY000491.D

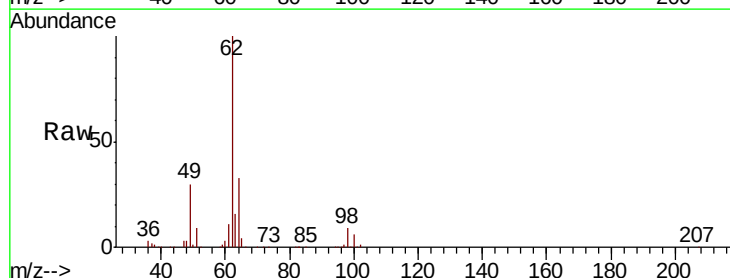
Acq: 30 Oct 2019 14:40

Tgt Ion: 62 Resp: 402784

Ion Ratio Lower Upper

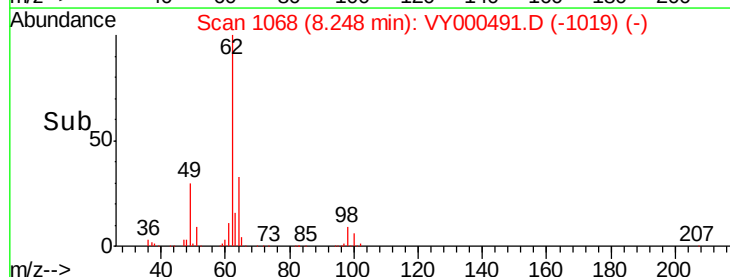
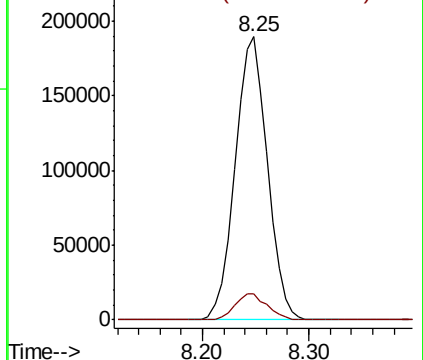
62 100

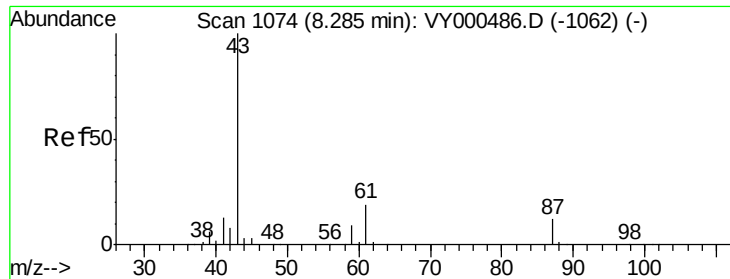
98 9.3 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 60.126 ug/l

RT: 8.35 min Scan# 1085

Delta R.T. 0.07 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

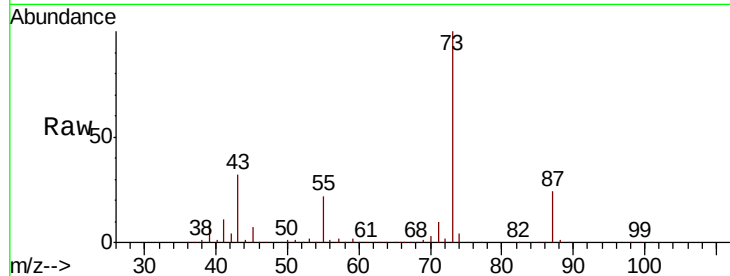
Tot Ion: 43 Resp: 272043

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.4#

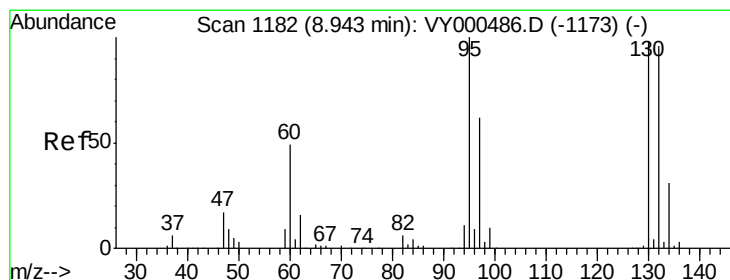
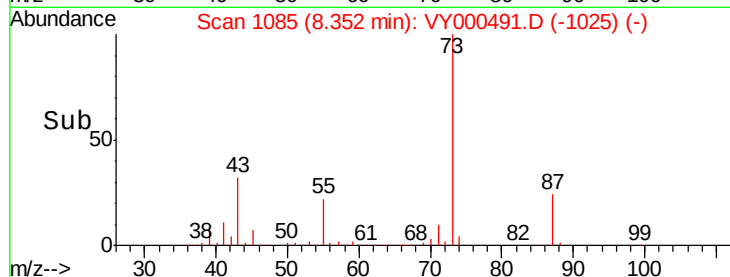
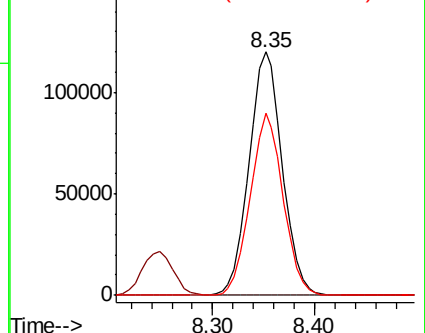
87 73.9 10.5 15.7#



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



#44

Trichloroethene

Concen: 103.516 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY000491.D

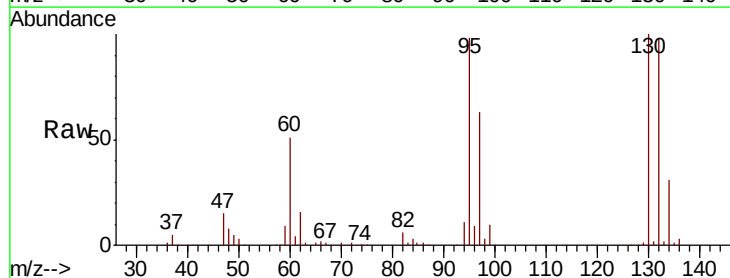
Acq: 30 Oct 2019 14:40

Tgt Ion:130 Resp: 324620

Ion Ratio Lower Upper

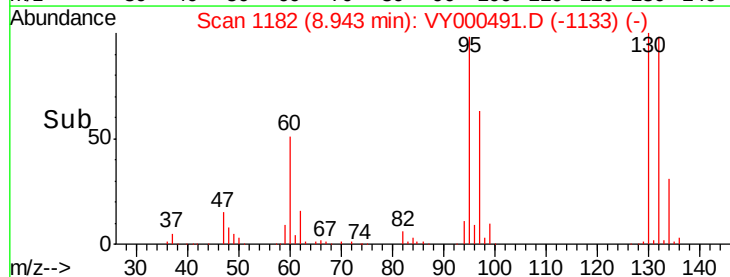
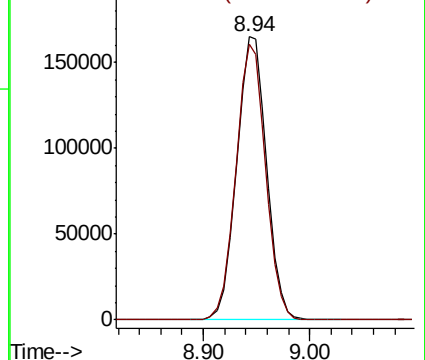
130 100

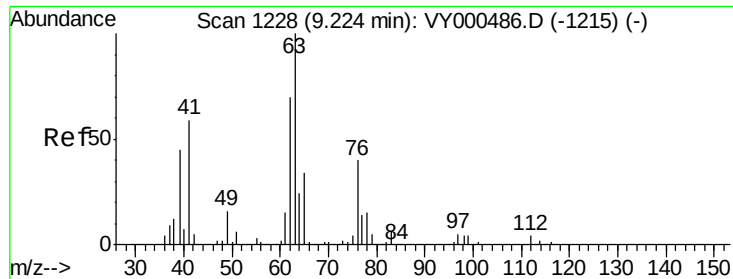
95 97.5 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VY0

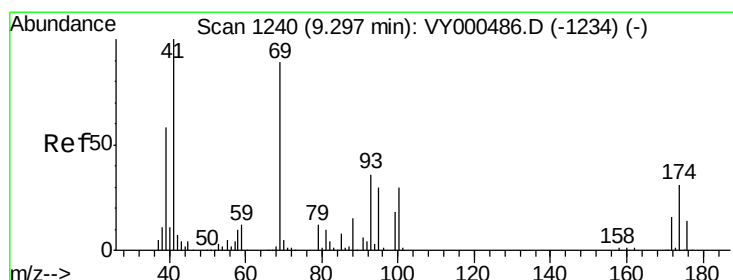
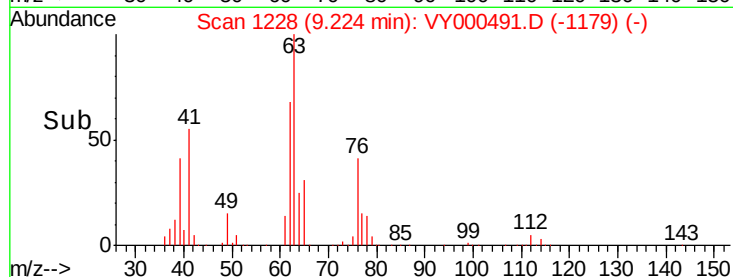
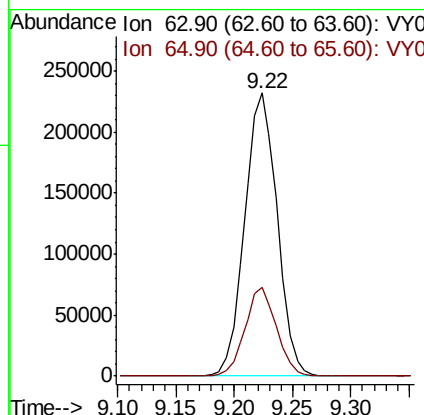
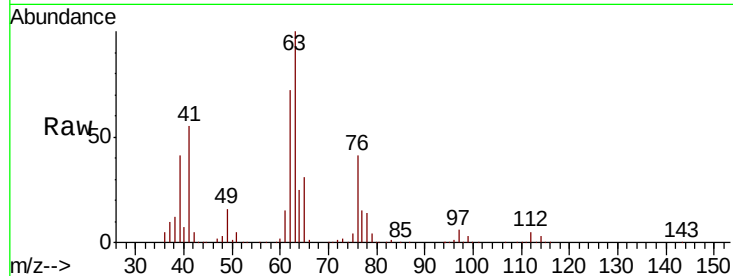




#45
 1,2-Dichloropropane
 Concen: 153.834 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

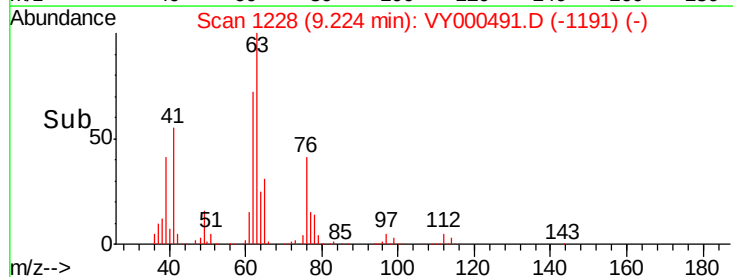
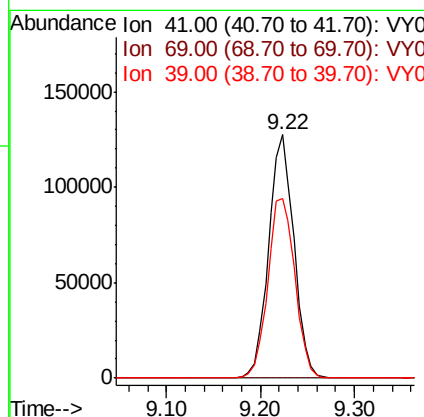
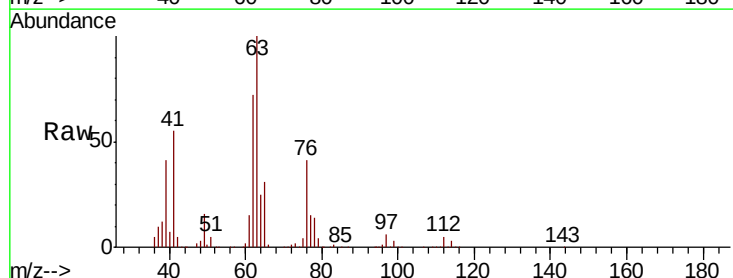
Instrument :
 MSVOA_Y
 ClientSampled :
 PT-VOA-SOIL

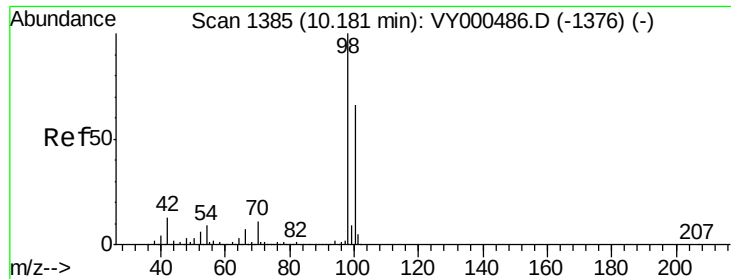
Tot Ion: 63 Resp: 450315
 Ion Ratio Lower Upper
 63 100
 65 31.4 27.0 40.4



#48
 Methyl methacrylate
 Concen: 121.242 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.07 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

Tgt Ion: 41 Resp: 239680
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.5 108.7#
 39 79.0 47.8 71.8#





#50

Toluene-d8

Concen: 52.574 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampled :

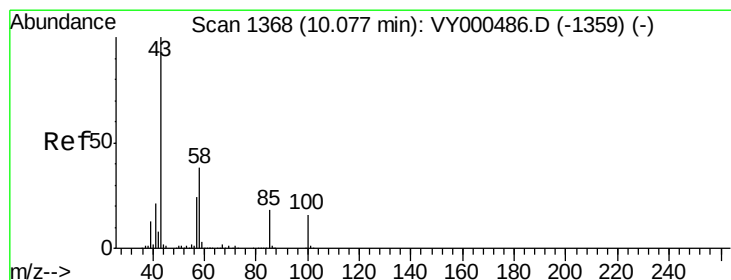
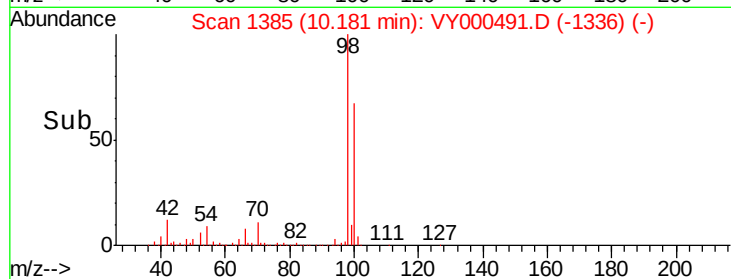
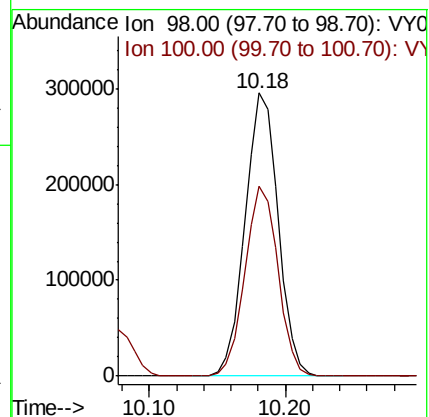
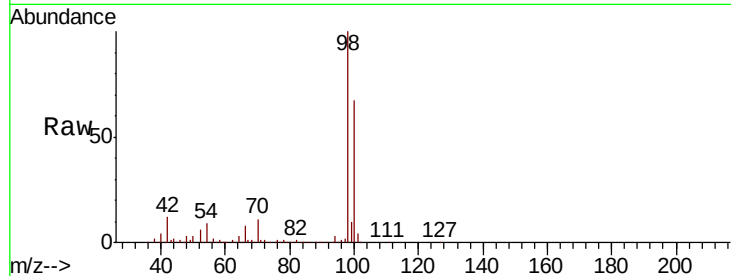
PT-VOA-SOIL

Tot Ion: 98 Resp: 502575

Ion Ratio Lower Upper

98 100

100 66.9 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 232.013 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000491.D

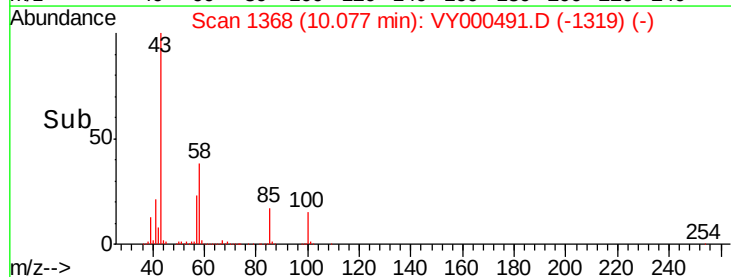
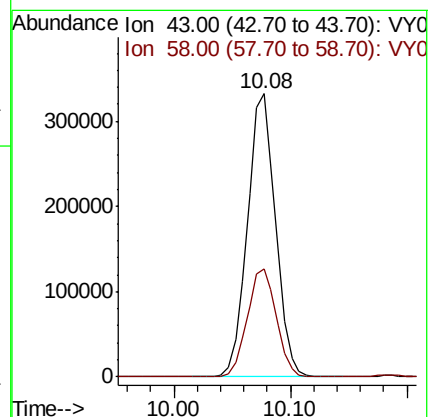
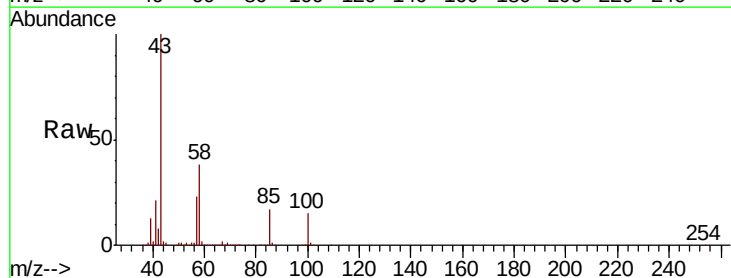
Acq: 30 Oct 2019 14:40

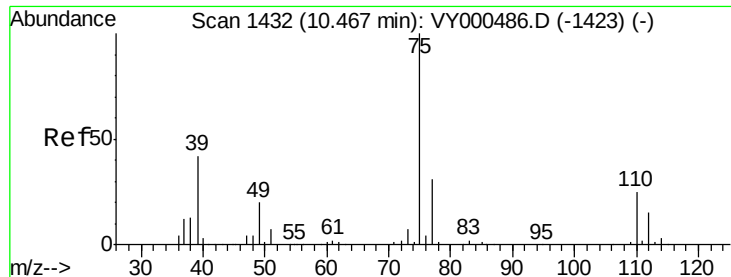
Tgt Ion: 43 Resp: 558123

Ion Ratio Lower Upper

43 100

58 39.4 30.2 45.4

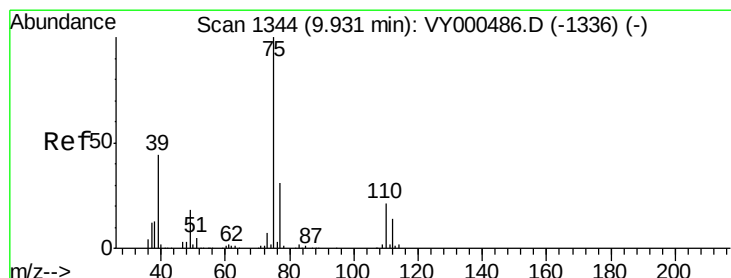
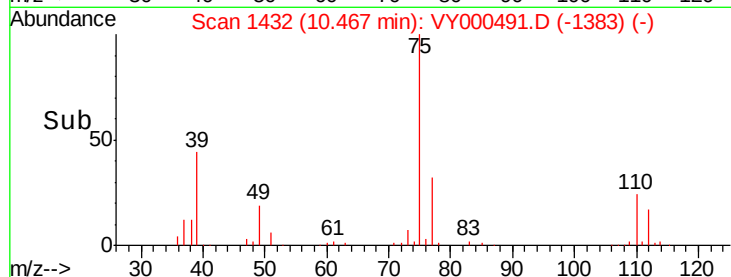
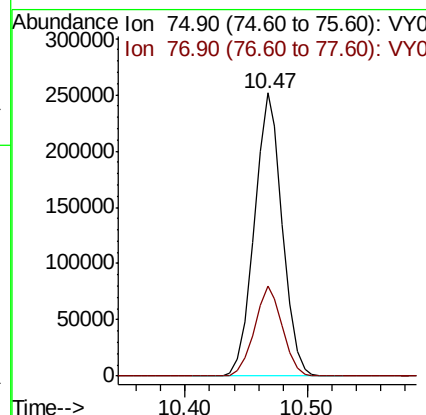
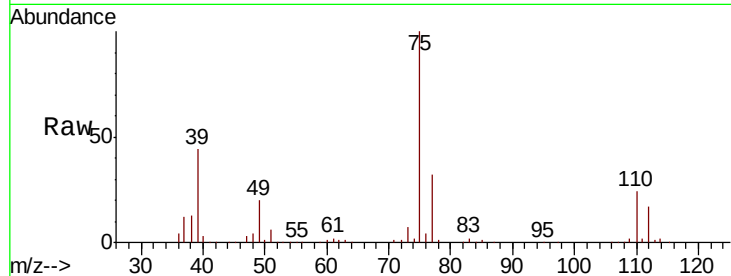




#53
t-1,3-Dichloropropene
Concen: 97.338 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

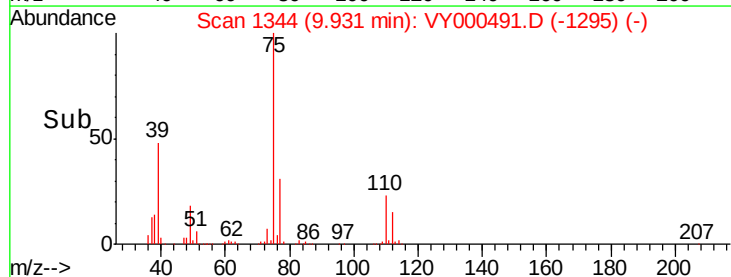
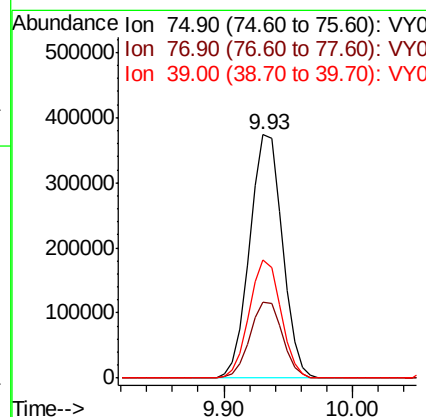
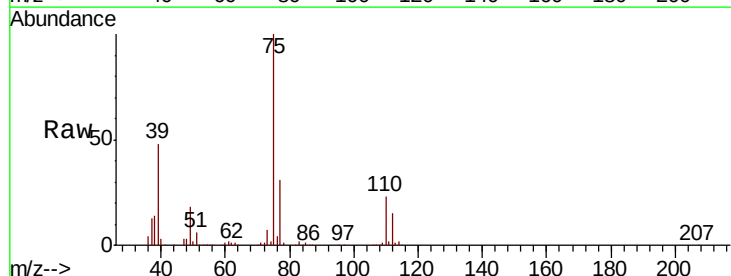
Instrument :
MSVOA_Y
ClientSampled :
PT-VOA-SOIL

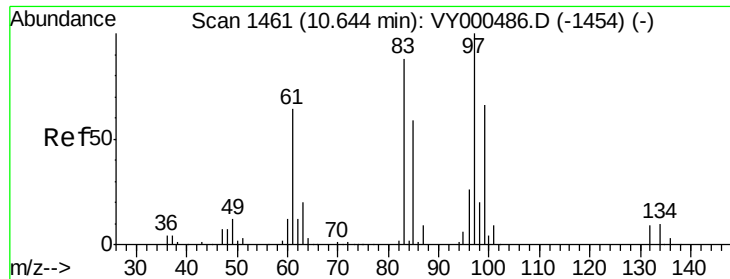
Tot Ion: 75 Resp: 397294
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 139.644 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

Tgt Ion: 75 Resp: 652958
Ion Ratio Lower Upper
75 100
77 31.1 24.5 36.7
39 48.5 35.4 53.2

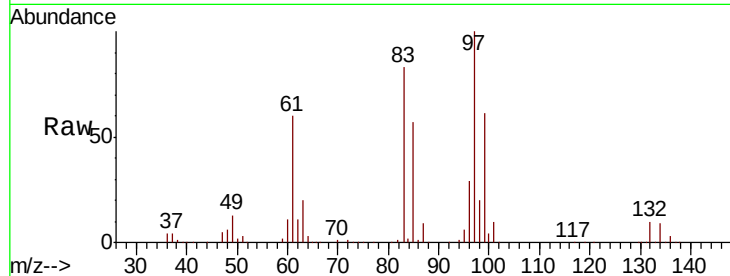




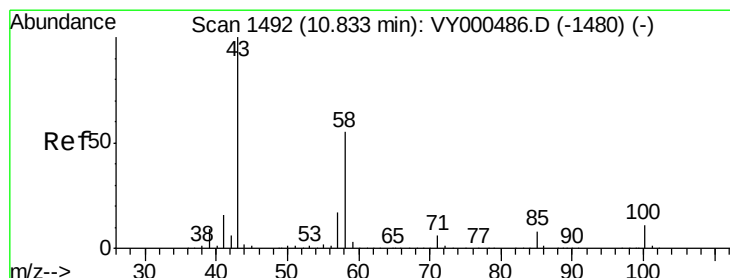
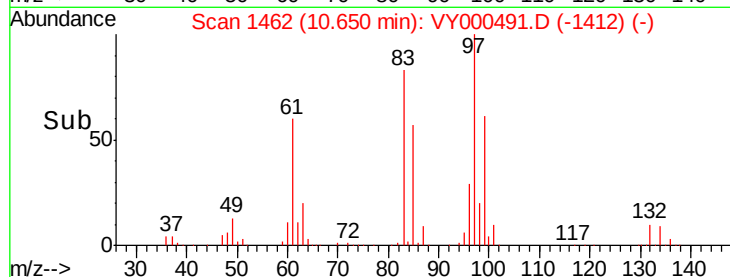
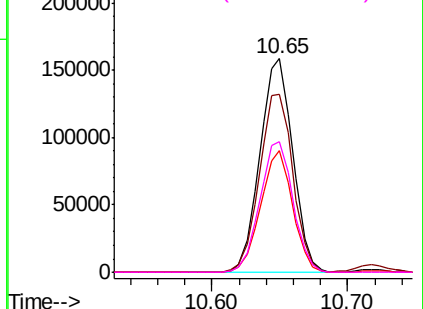
#55
 1,1,2-Trichloroethane
 Concen: 115.422 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOIL

Tot Ion: 97 Resp: 268762
 Ion Ratio Lower Upper
 97 100
 83 83.3 70.2 105.4
 85 56.9 46.9 70.3
 99 61.3 52.6 78.8

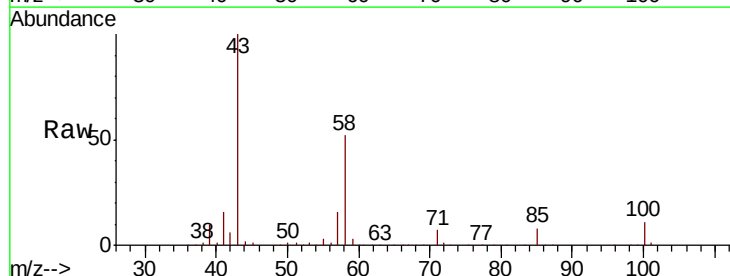


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

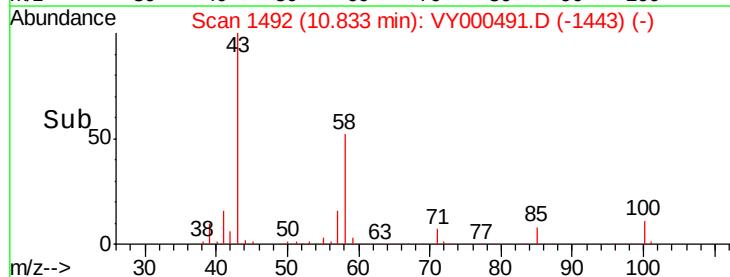
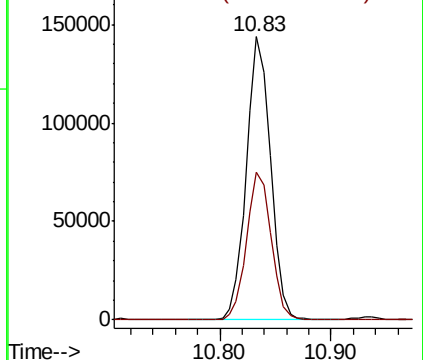


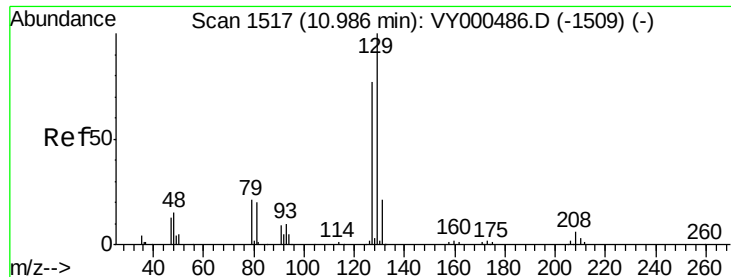
#59
 2-Hexanone
 Concen: 124.265 ug/l
 RT: 10.83 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

Tgt Ion: 43 Resp: 217797
 Ion Ratio Lower Upper
 43 100
 58 53.0 27.1 81.3



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0





#60

Dibromochloromethane

Concen: 61.087 ug/l

RT: 10.99 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampled :

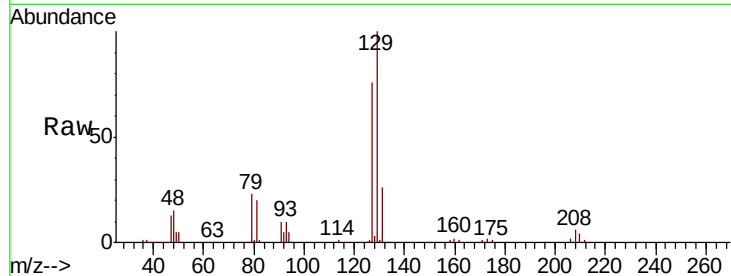
PT-VOA-SOIL

Tot Ion:129 Resp: 162928

Ion Ratio Lower Upper

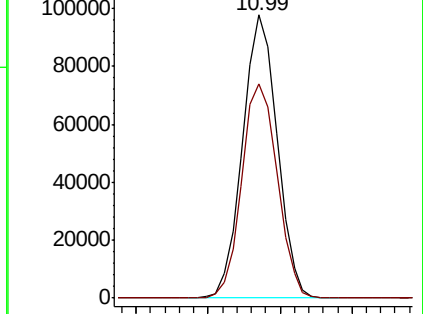
129 100

127 77.6 39.1 117.2

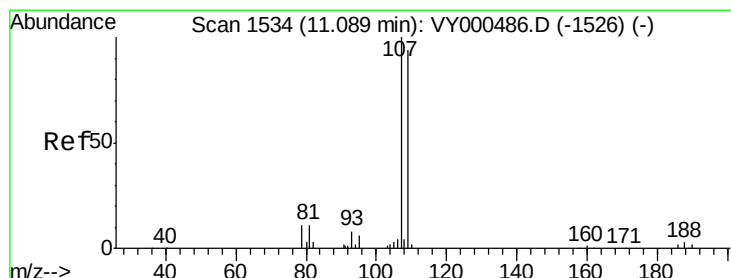
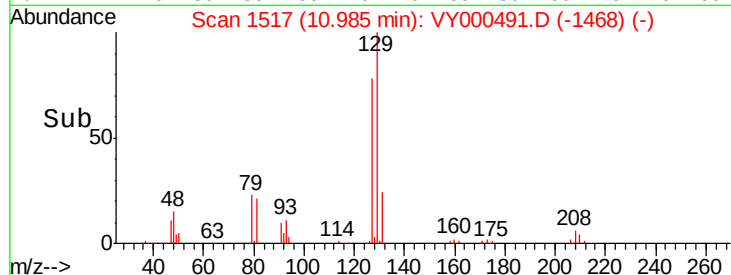


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#61

1,2-Dibromoethane

Concen: 51.171 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY000491.D

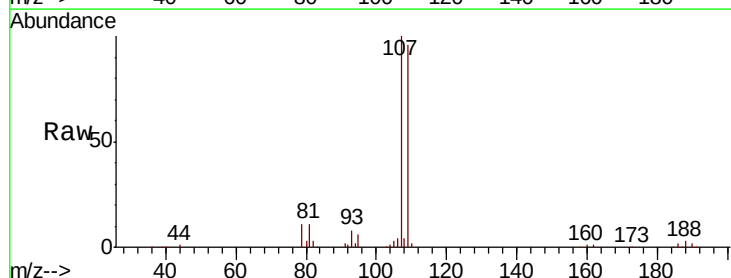
Acq: 30 Oct 2019 14:40

Tgt Ion:107 Resp: 114565

Ion Ratio Lower Upper

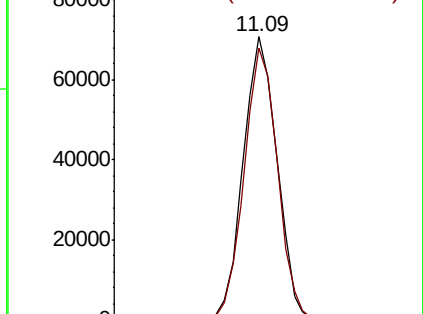
107 100

109 95.0 73.6 110.4

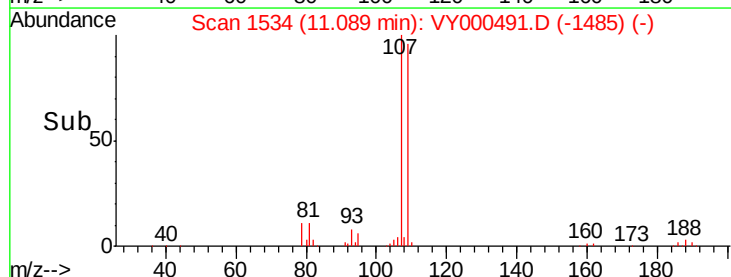


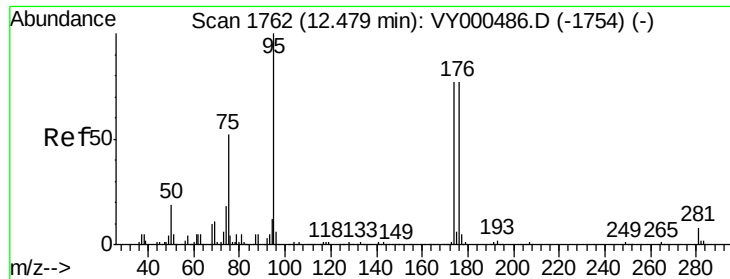
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->

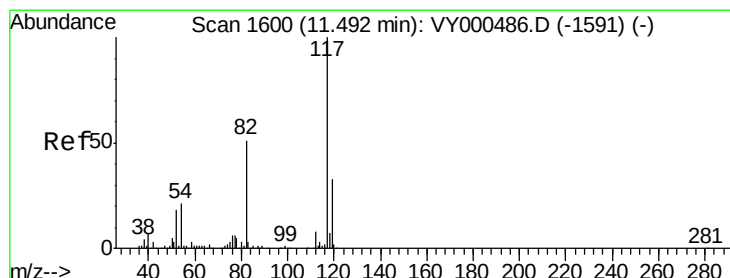
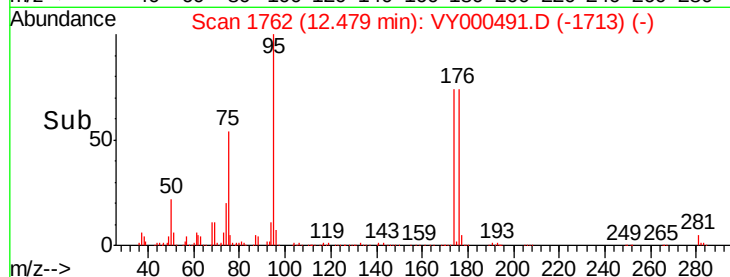
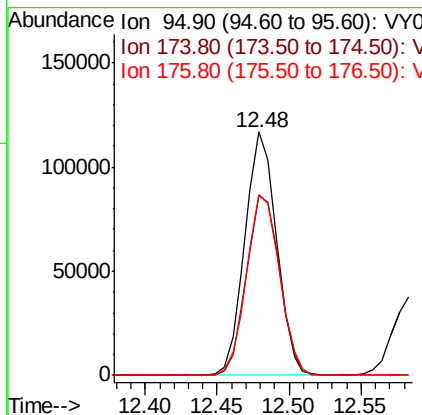
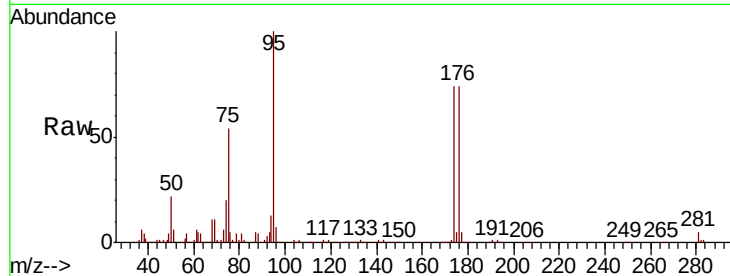




#62
4-Bromofluorobenzene
Concen: 48.868 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

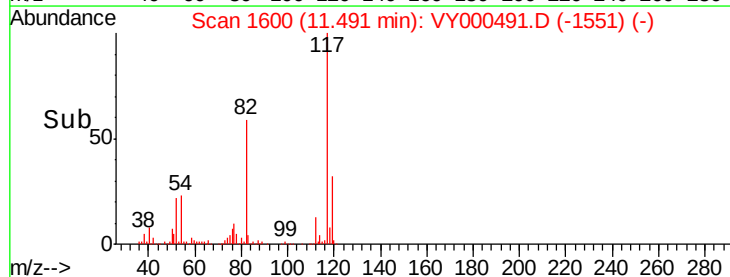
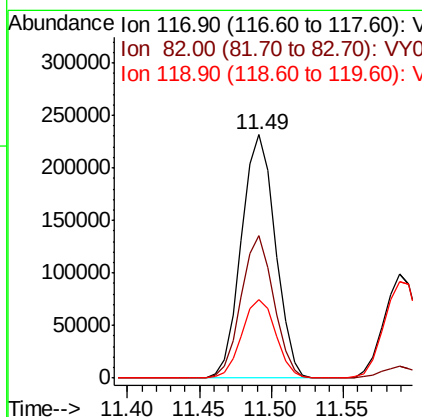
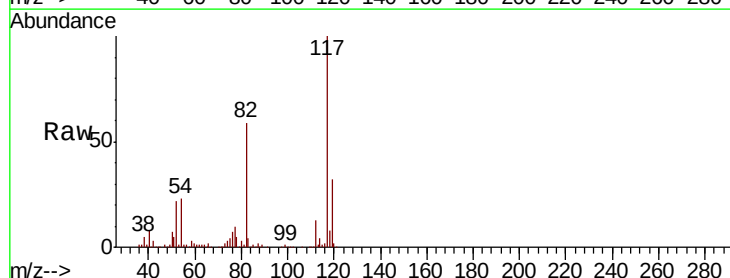
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

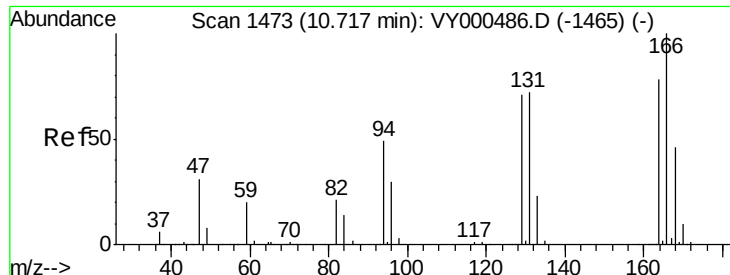
Tot Ion: 95 Resp: 177842
Ion Ratio Lower Upper
95 100
174 77.3 0.0 161.6
176 77.5 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

Tgt Ion: 117 Resp: 378981
Ion Ratio Lower Upper
117 100
82 58.7 40.8 61.2
119 32.5 26.2 39.2





#64

Tetrachloroethene

Concen: 108.669 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

Tot Ion:164 Resp: 340538

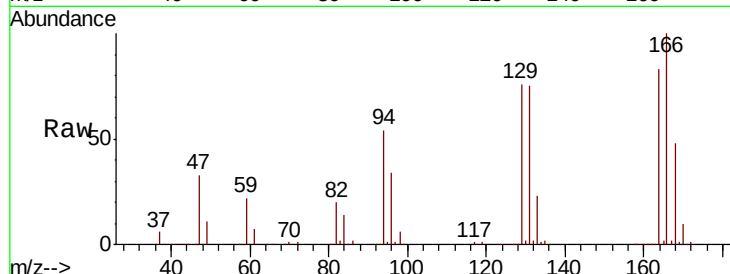
Ion Ratio Lower Upper

164 100

166 120.7 102.7 154.1

129 91.9 73.2 109.8

131 91.0 74.2 111.2

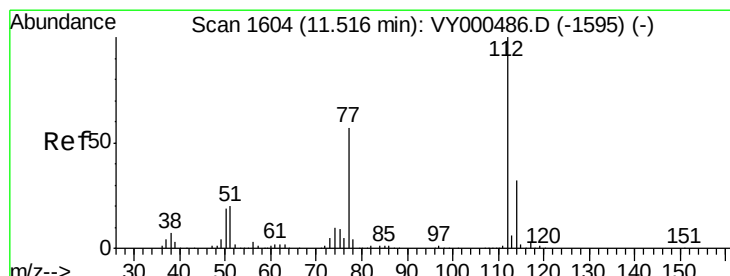
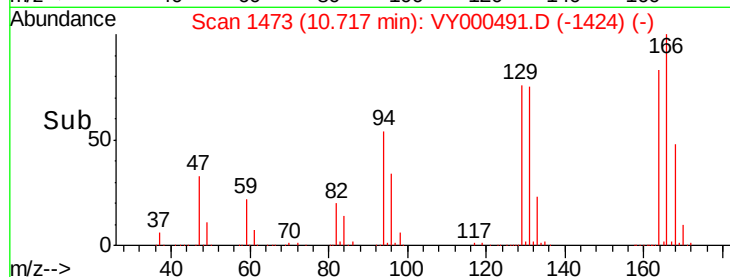
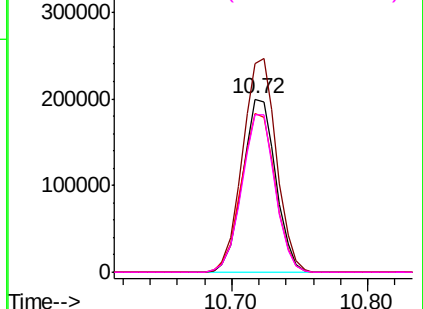


Abundance Ion 163.80 (163.50 to 164.50): V

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: 106.432 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY000491.D

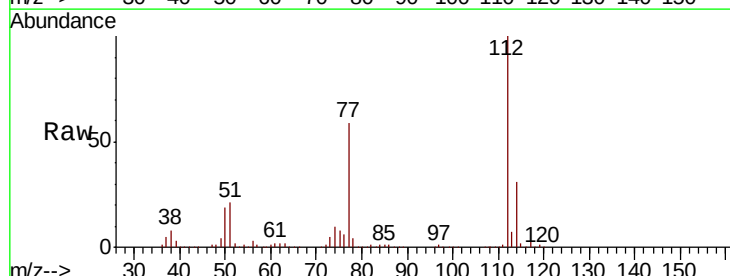
Acq: 30 Oct 2019 14:40

Tgt Ion:112 Resp: 817799

Ion Ratio Lower Upper

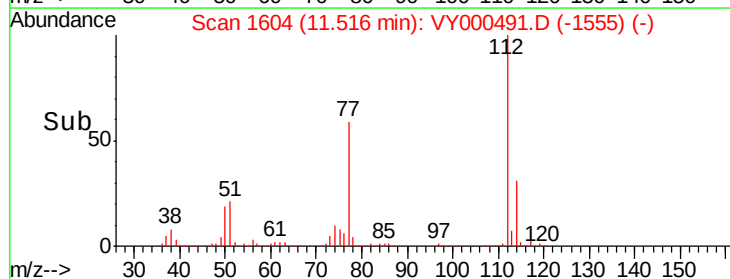
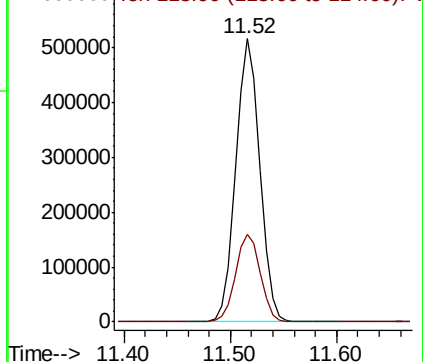
112 100

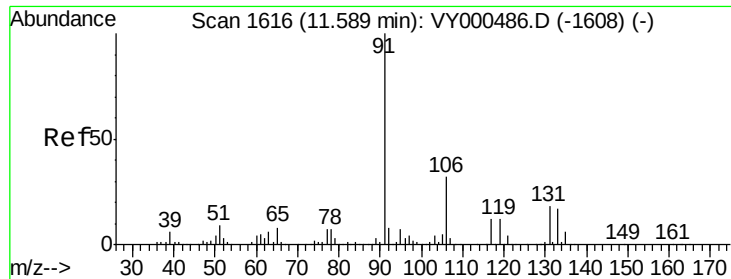
114 31.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

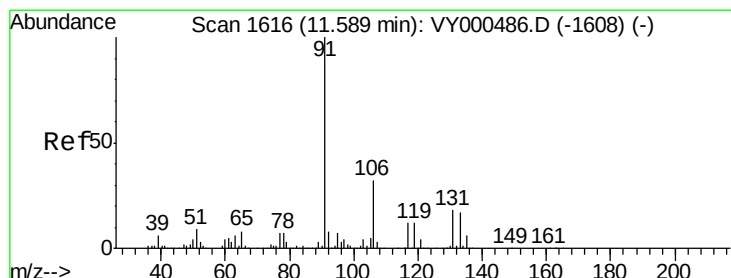
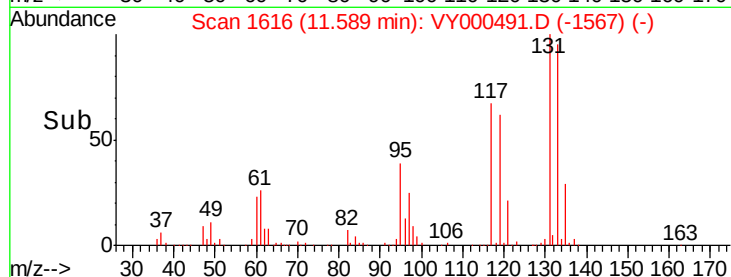
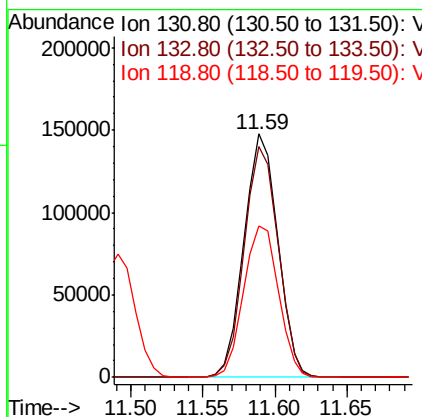
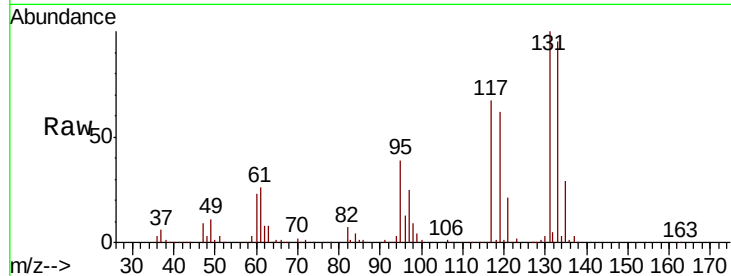




#66
 1,1,1,2-Tetrachloroethane
 Concen: 90.230 ug/l
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

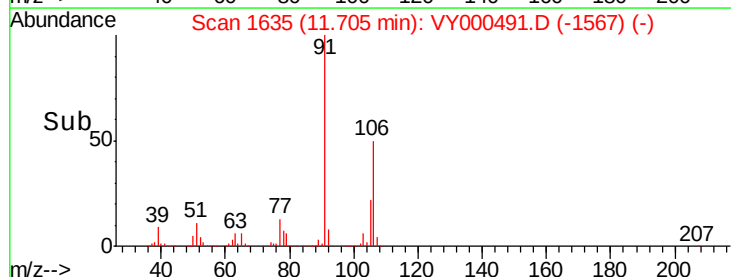
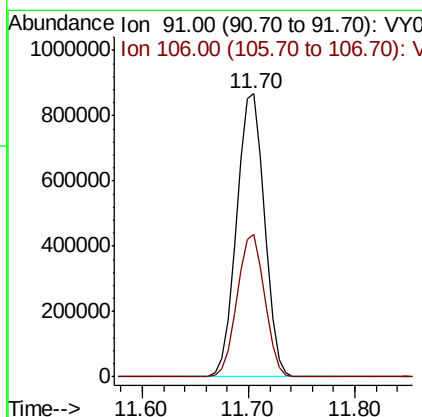
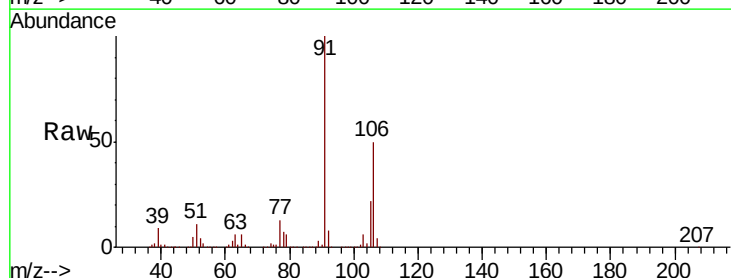
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOIL

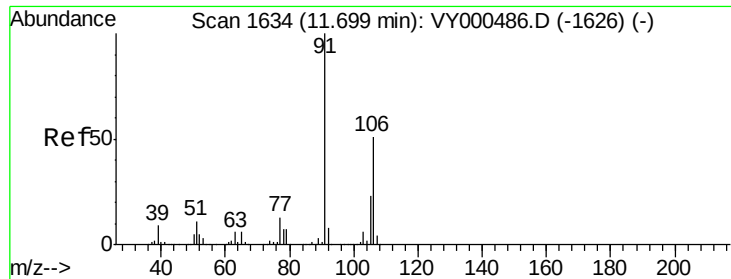
Tot Ion:131 Resp: 240449
 Ion Ratio Lower Upper
 131 100
 133 95.1 47.9 143.8
 119 64.1 33.1 99.3



#67
 Ethyl Benzene
 Concen: 112.954 ug/l
 RT: 11.70 min Scan# 1635
 Delta R.T. 0.12 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

Tgt Ion: 91 Resp: 1597328
 Ion Ratio Lower Upper
 91 100
 106 50.4 25.4 38.0#

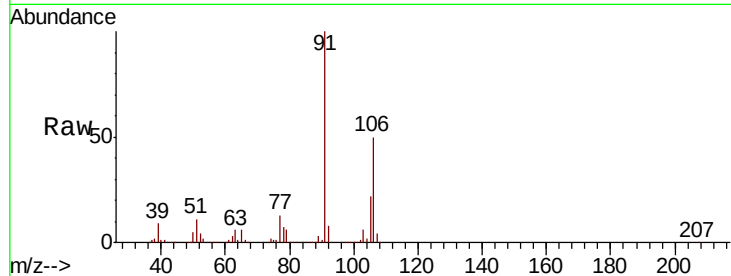




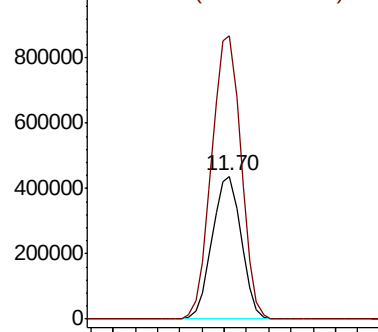
#68
m/p-Xylenes
Concen: 145.522 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

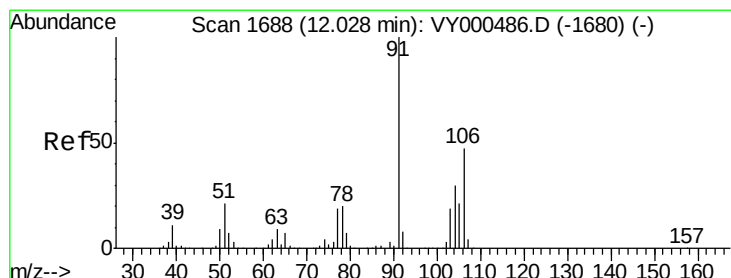
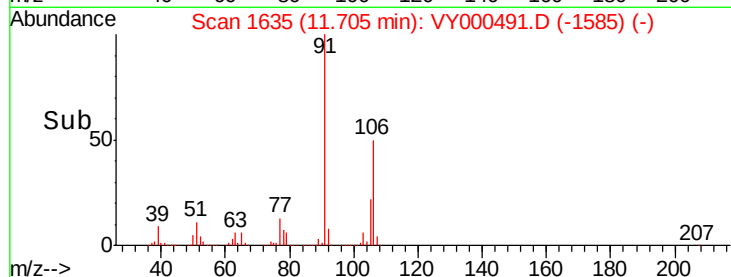
Tot Ion:106 Resp: 796488
Ion Ratio Lower Upper
106 100
91 200.5 155.9 233.9



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

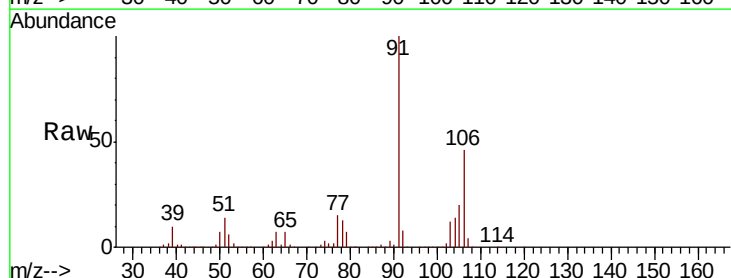


Time-->

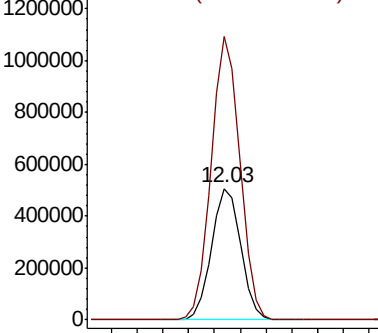


#69
o-Xylene
Concen: 154.092 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

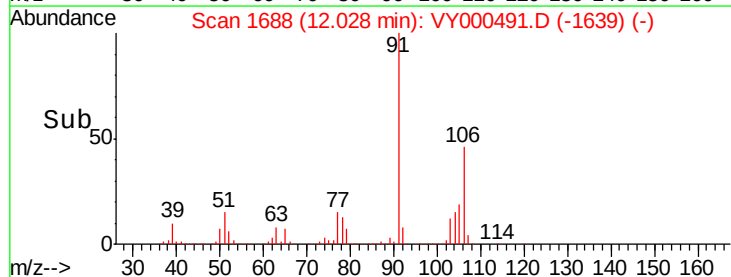
Tgt Ion:106 Resp: 792647
Ion Ratio Lower Upper
106 100
91 212.3 106.5 319.6

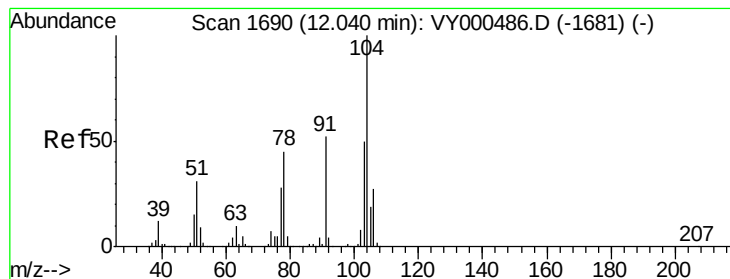


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0



Time-->





#70

Stvrene

Concen: 92.852 ug/l

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

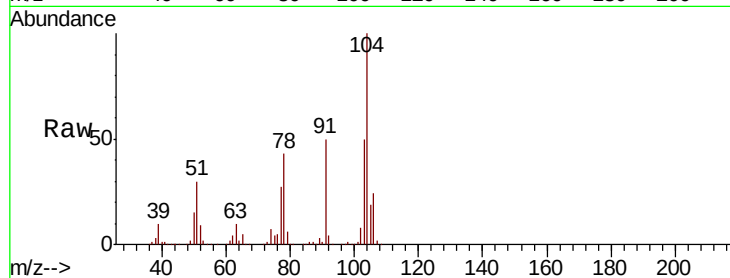
Tot Ion:104 Resp: 817875

Ion Ratio Lower Upper

104 100

78 54.0 39.0 58.4

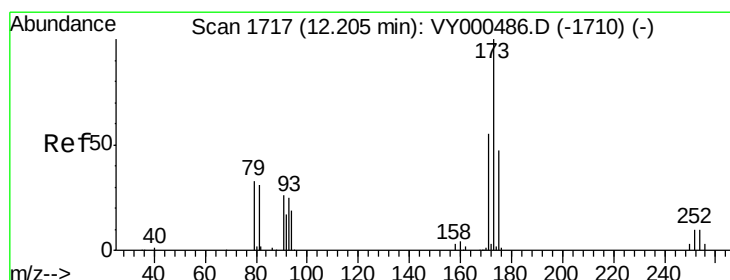
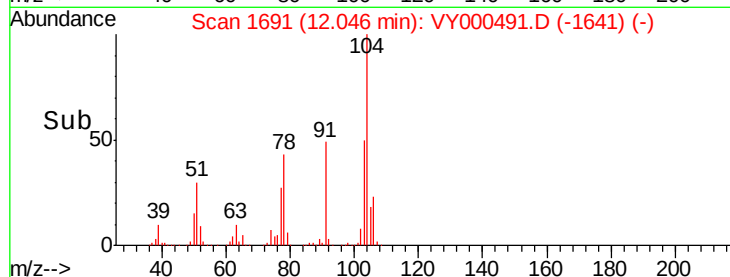
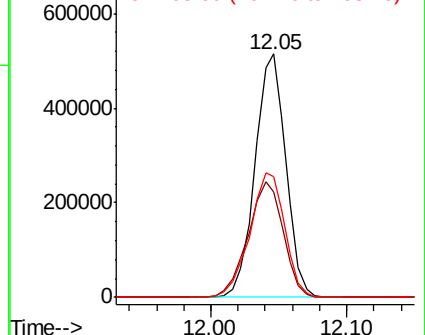
103 57.8 42.5 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 183.355 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

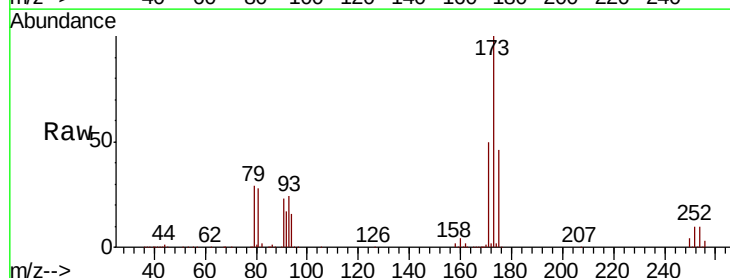
Tgt Ion:173 Resp: 281035

Ion Ratio Lower Upper

173 100

175 47.9 24.4 73.2

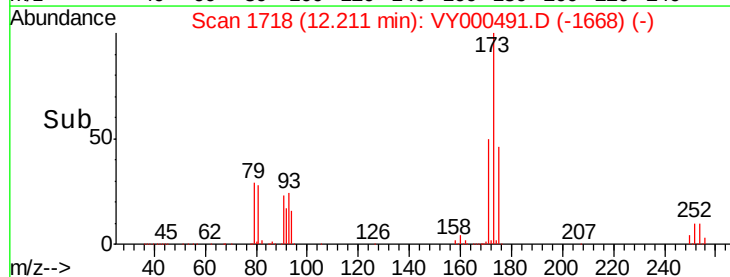
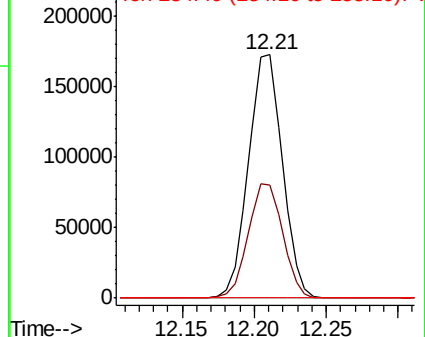
254 0.1 0.1 0.1#

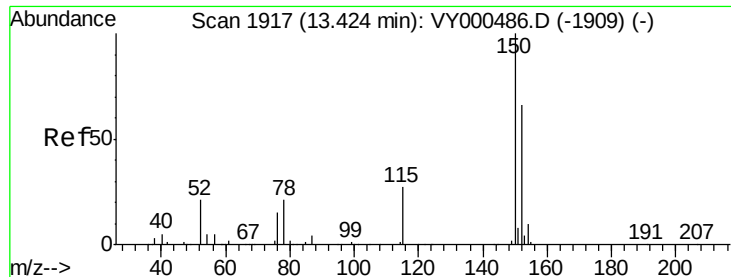


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

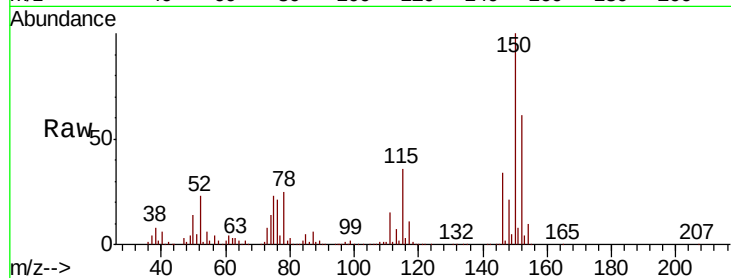
Tot Ion:152 Resp: 183767

Ion Ratio Lower Upper

152 100

115 59.2 29.1 87.4

150 210.0 0.0 348.8

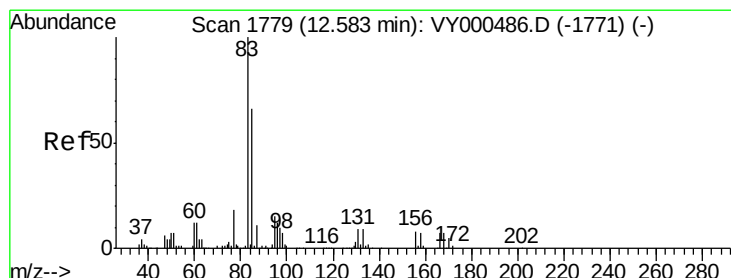
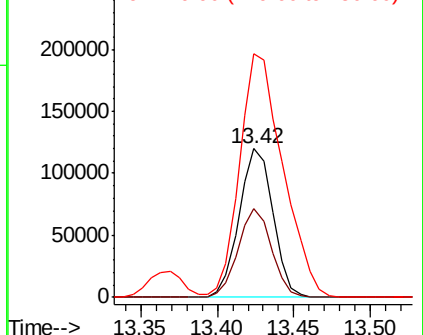
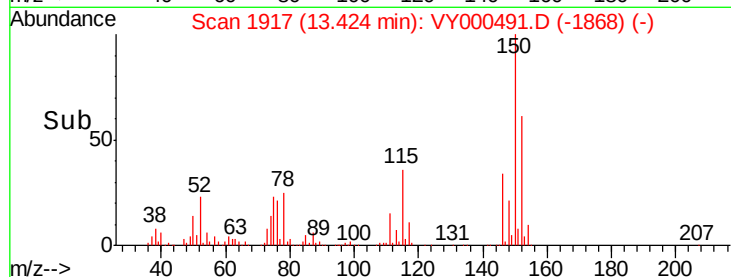


Abundance

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: 137.338 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

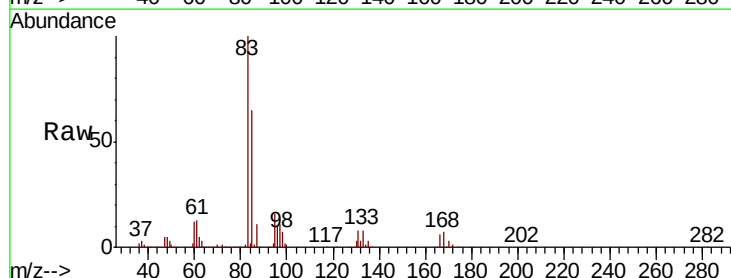
Tgt Ion: 83 Resp: 369330

Ion Ratio Lower Upper

83 100

131 8.9 5.0 14.9

85 64.1 32.3 96.9

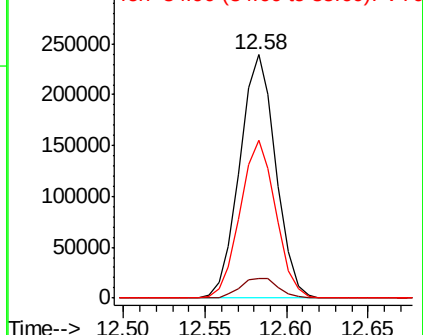
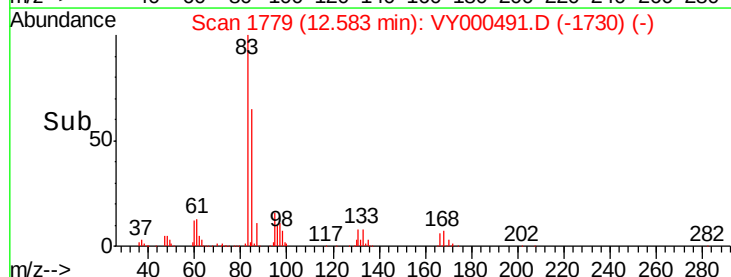


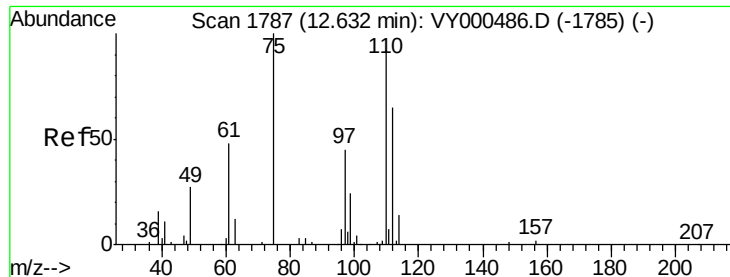
Abundance

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

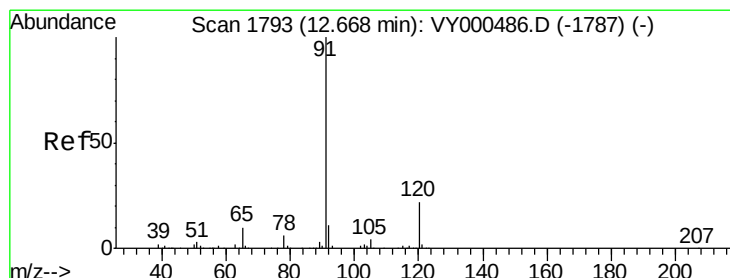
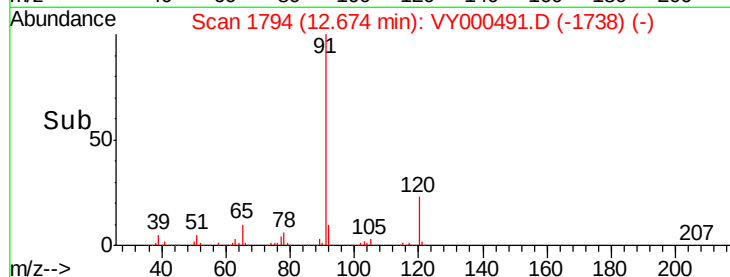
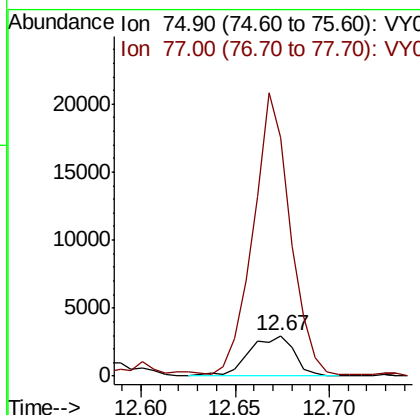
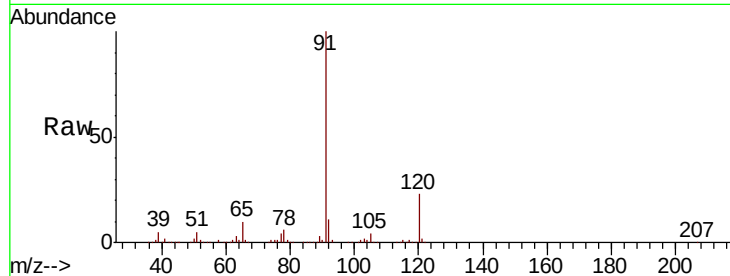




#76
 1,2,3-Trichloropropane
 Concen: 2.334 ug/l
 RT: 12.67 min Scan# 1794
 Delta R.T. 0.04 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

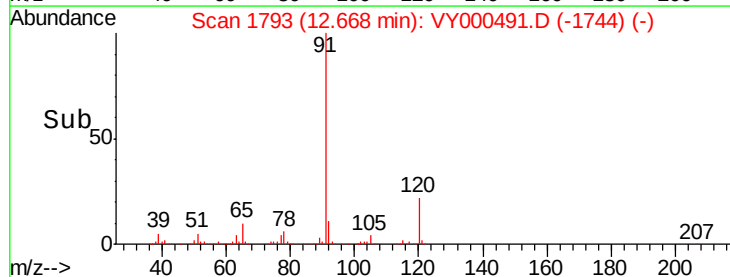
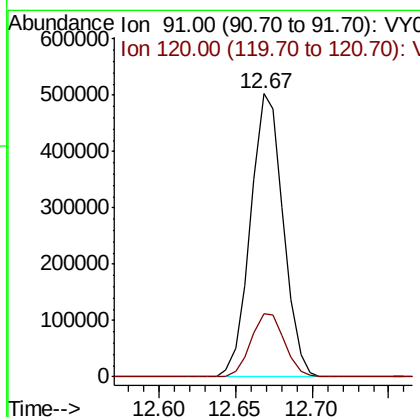
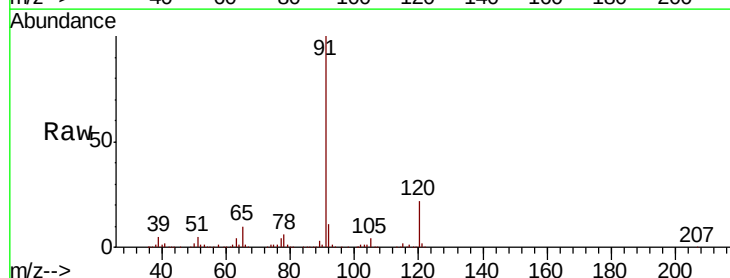
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOIL

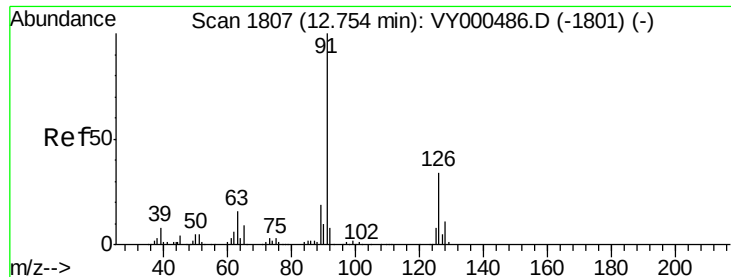
Tot Ion: 75 Resp: 4883
 Ion Ratio Lower Upper
 75 100
 77 572.5 0.0 0.0#



#78
 n-propylbenzene
 Concen: 45.548 ug/l
 RT: 12.67 min Scan# 1793
 Delta R.T. -0.00 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

Tgt Ion: 91 Resp: 746419
 Ion Ratio Lower Upper
 91 100
 120 23.1 11.4 34.1





#79

2-Chlorotoluene

Concen: 11.167 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.05 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampleId :

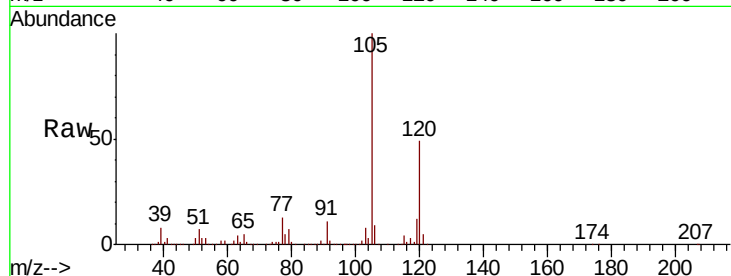
PT-VOA-SOIL

Tot Ion: 91 Resp: 101590

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY000486.D (-1801) (-)

12.81

60000

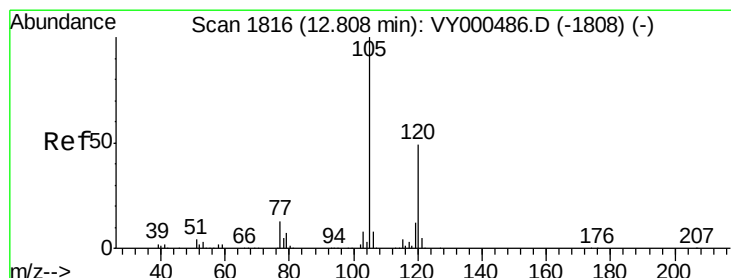
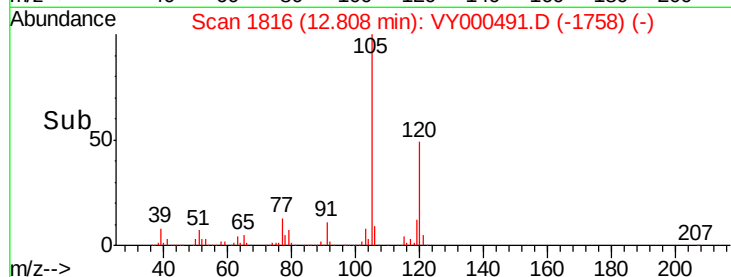
40000

20000

0

12.75 12.80 12.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 84.488 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY000491.D

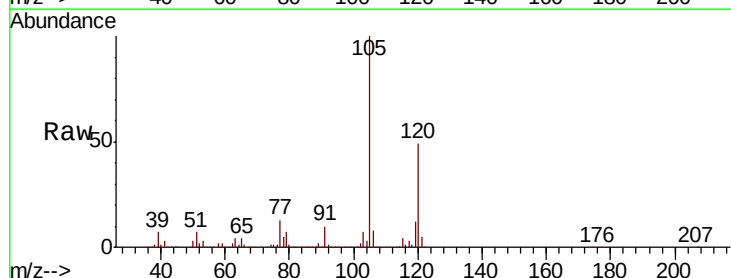
Acq: 30 Oct 2019 14:40

Tgt Ion: 105 Resp: 955695

Ion Ratio Lower Upper

105 100

120 49.1 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000486.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000486.D (-1808) (-)

12.81

600000

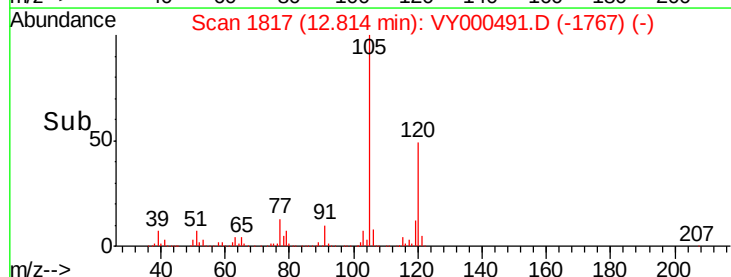
400000

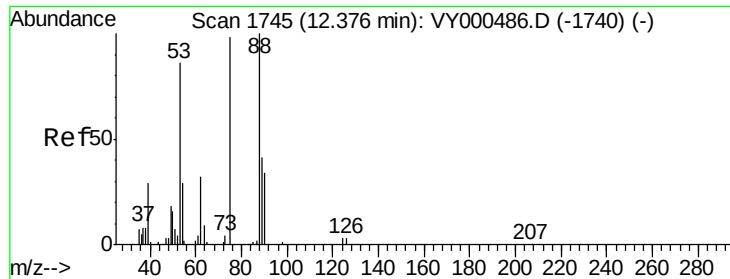
200000

0

12.70 12.80 12.90

Time-->

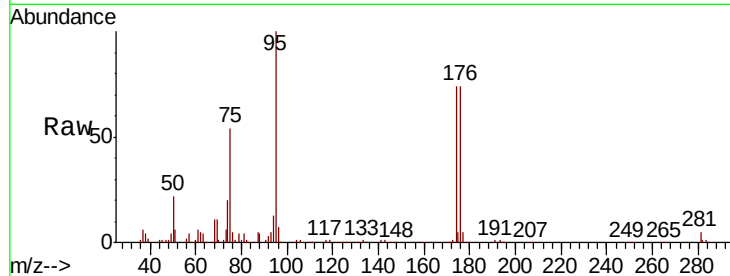




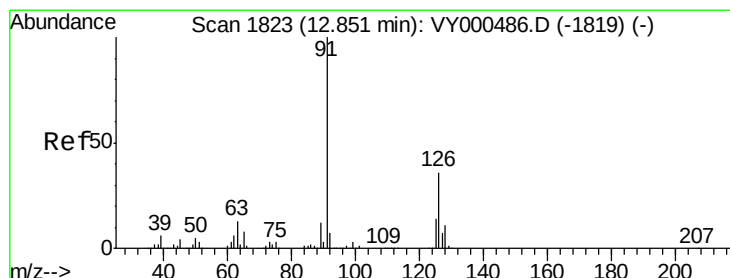
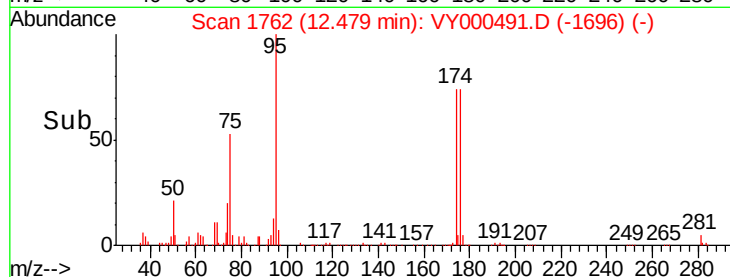
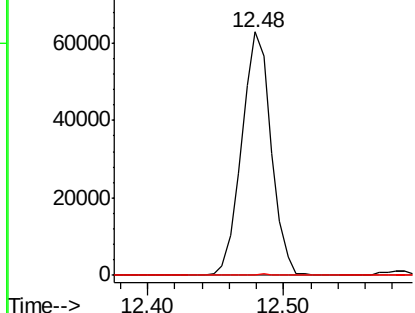
#81
trans-1,4-Dichloro-2-butene
Concen: 101.692 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOIL

Tot Ion: 75 Resp: 94903
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 35.9 53.9#

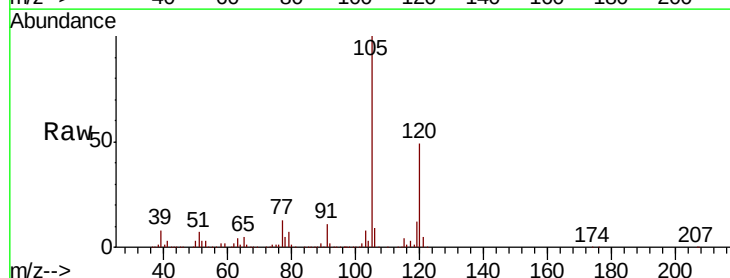


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0

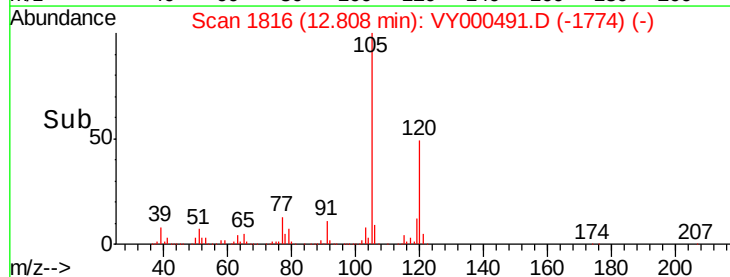
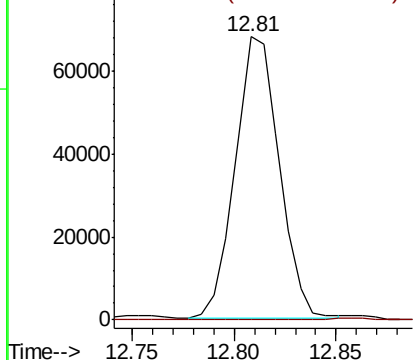


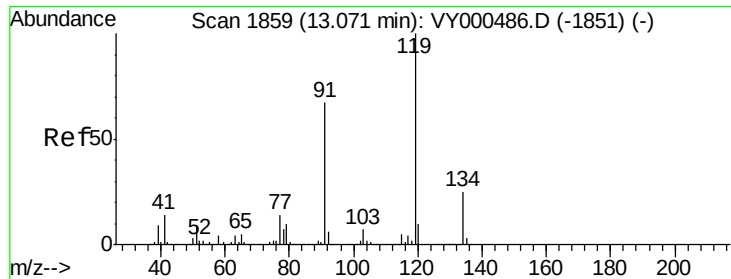
#82
4-Chlorotoluene
Concen: 10.773 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. -0.04 min
Lab File: VY000491.D
Acq: 30 Oct 2019 14:40

Tgt Ion: 91 Resp: 101590
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

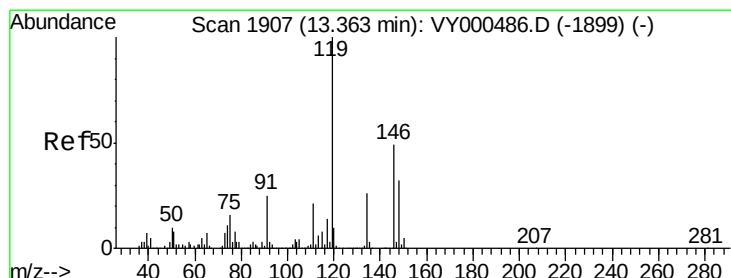
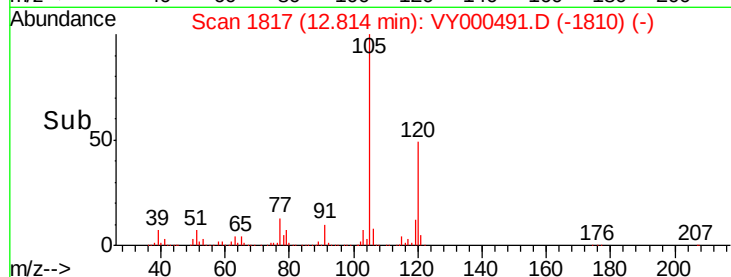
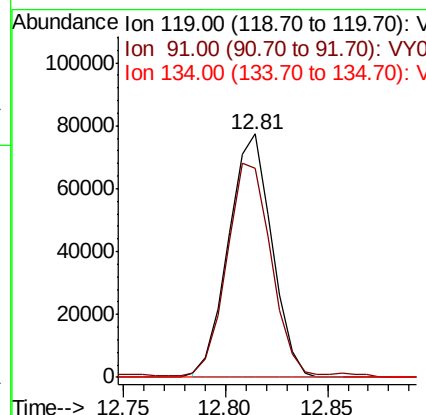
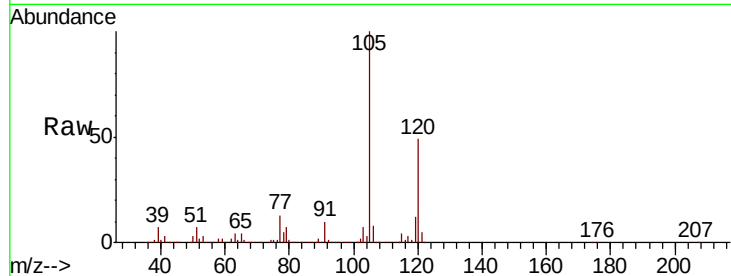




#83
 tert-Butylbenzene
 Concen: 11.746 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.26 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

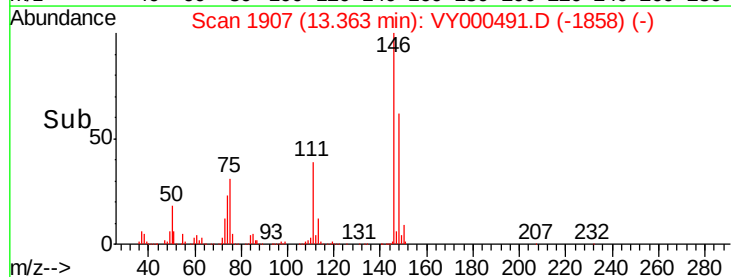
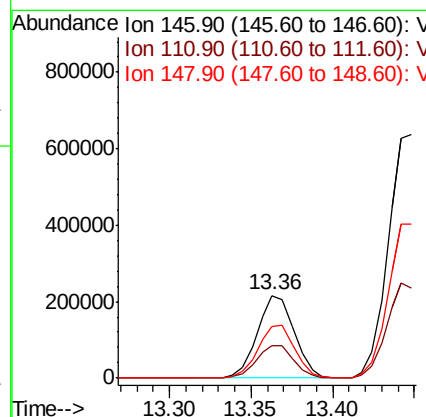
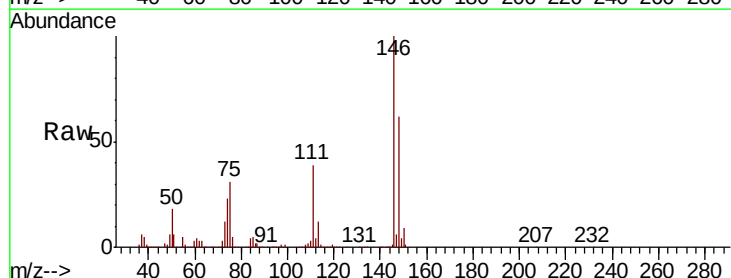
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOIL

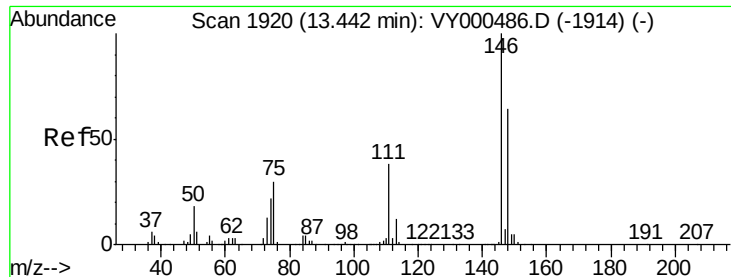
Tot Ion:119 Resp: 113447
 Ion Ratio Lower Upper
 119 100
 91 86.8 32.1 96.3
 134 0.0 13.2 39.5#



#87
 1,3-Dichlorobenzene
 Concen: 55.981 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000491.D
 Acq: 30 Oct 2019 14:40

Tgt Ion:146 Resp: 337712
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.3 60.8
 148 64.2 31.5 94.5





#88

1,4-Dichlorobenzene

Concen: 163.723 ug/l

RT: 13.45 min Scan# 1921

Delta R.T. 0.01 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

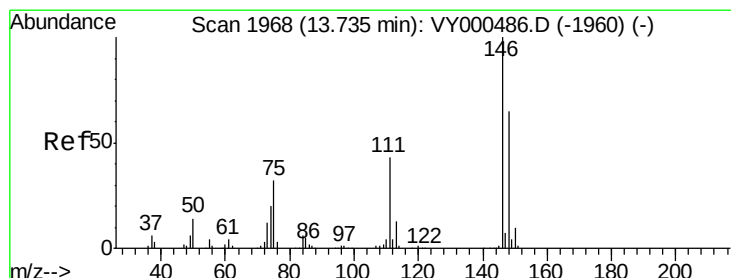
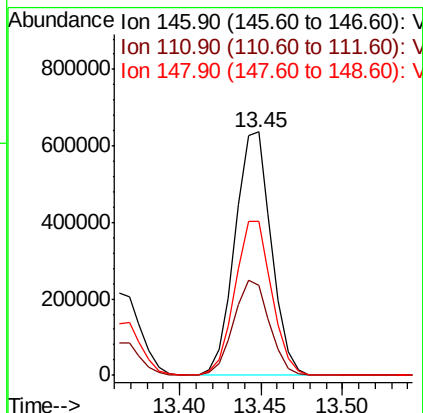
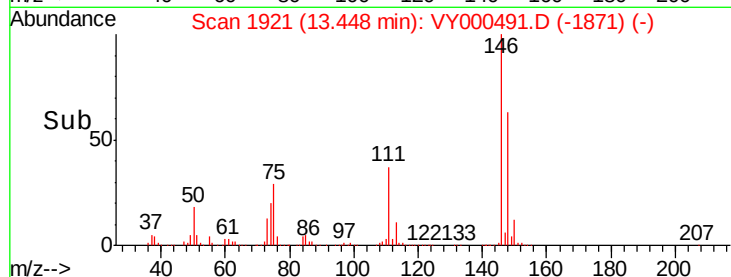
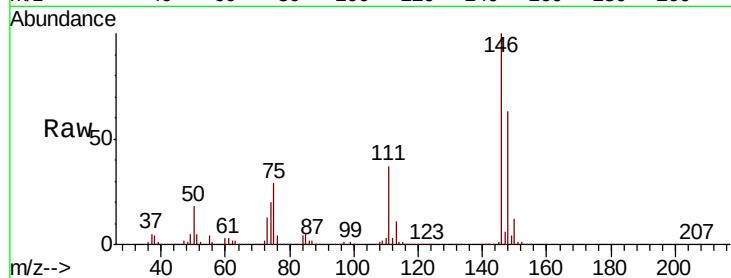
Tot Ion:146 Resp: 986964

Ion Ratio Lower Upper

146 100

111 38.6 19.7 59.0

148 64.0 31.9 95.7



#91

1,2-Dichlorobenzene

Concen: 83.164 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

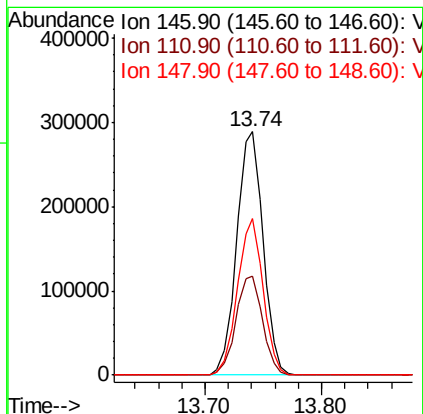
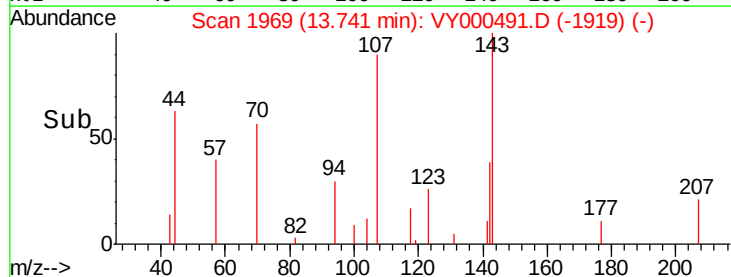
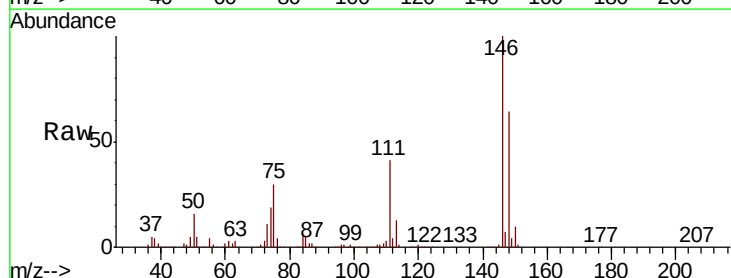
Tgt Ion:146 Resp: 455195

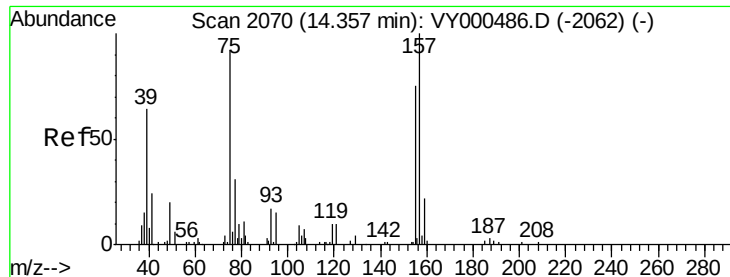
Ion Ratio Lower Upper

146 100

111 41.2 20.5 61.5

148 62.5 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 66.808 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

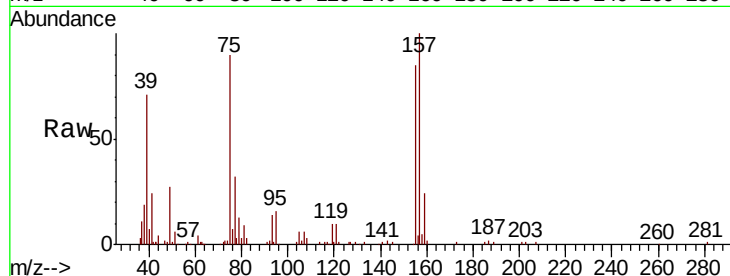
MSVOA_Y

ClientSampleId :

PT-VOA-SOIL

Tot Ion: 75 Resp: 31796

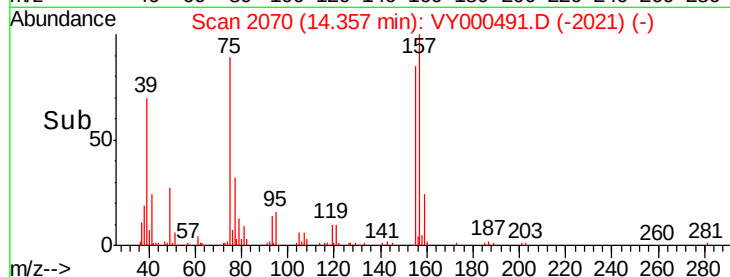
Ion	Ratio	Lower	Upper
75	100		
155	85.6	42.4	127.1
157	104.3	55.1	165.3



Abundance Ion 74.90 (74.60 to 75.60): VY000486.D (-2062) (-)

Ion 154.80 (154.50 to 155.50): VY000486.D (-2062) (-)

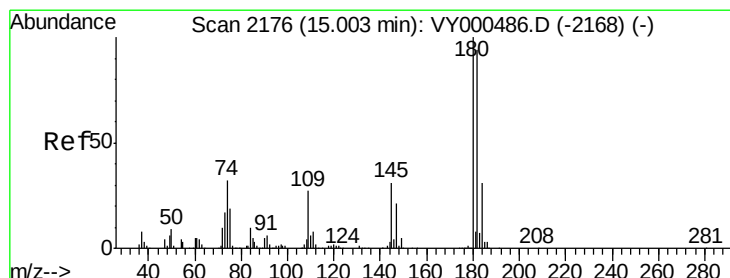
Ion 156.80 (156.50 to 157.50): VY000486.D (-2062) (-)



Abundance Ion 74.90 (74.60 to 75.60): VY000486.D (-2062) (-)

Ion 154.80 (154.50 to 155.50): VY000486.D (-2062) (-)

Ion 156.80 (156.50 to 157.50): VY000486.D (-2062) (-)



#93

1,2,4-Trichlorobenzene

Concen: 113.501 ug/l

RT: 15.01 min Scan# 2177

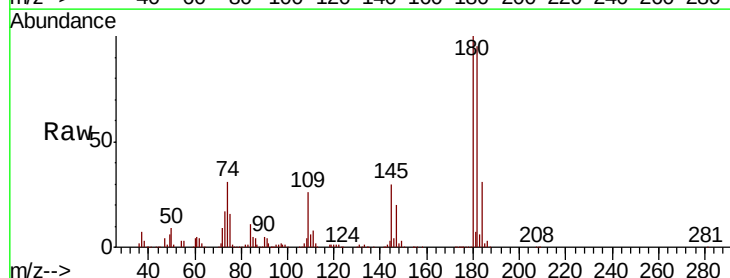
Delta R.T. 0.01 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Tgt Ion:180 Resp: 423005

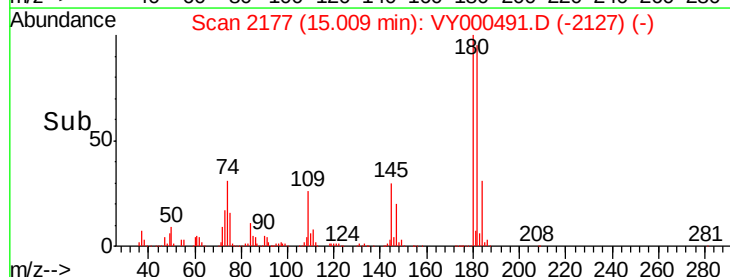
Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.8	143.4
145	31.0	16.0	47.9



Abundance Ion 179.80 (179.50 to 180.50): VY000486.D (-2168) (-)

Ion 181.80 (181.50 to 182.50): VY000486.D (-2168) (-)

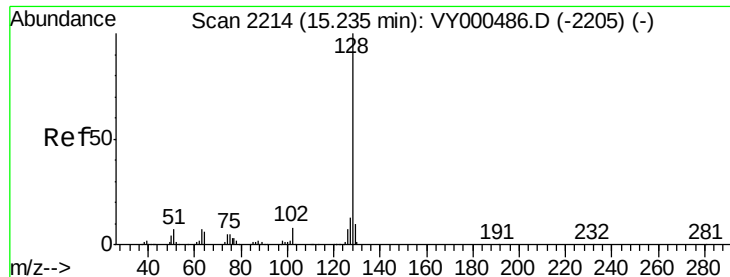
Ion 144.80 (144.50 to 145.50): VY000486.D (-2168) (-)



Abundance Ion 179.80 (179.50 to 180.50): VY000486.D (-2168) (-)

Ion 181.80 (181.50 to 182.50): VY000486.D (-2168) (-)

Ion 144.80 (144.50 to 145.50): VY000486.D (-2168) (-)



#95

Naphthalene

Concen: 109.369 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

Instrument :

MSVOA_Y

ClientSampled :

PT-VOA-SOIL

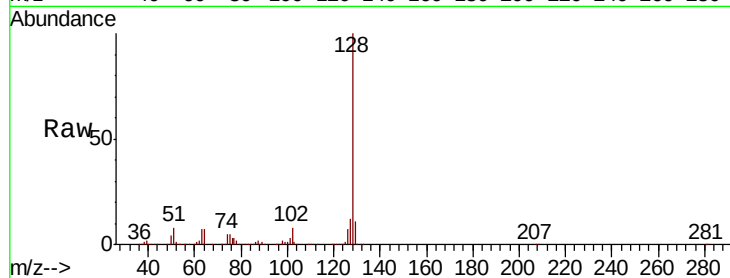
Tot Ion:128 Resp: 904857

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.6

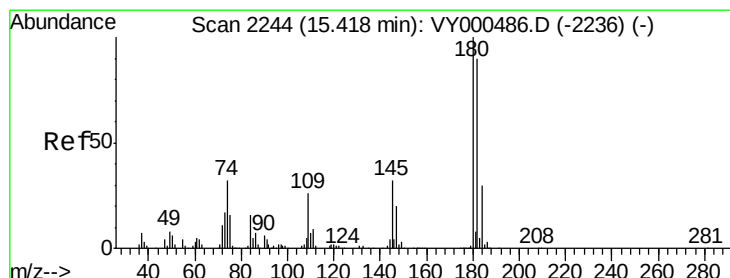
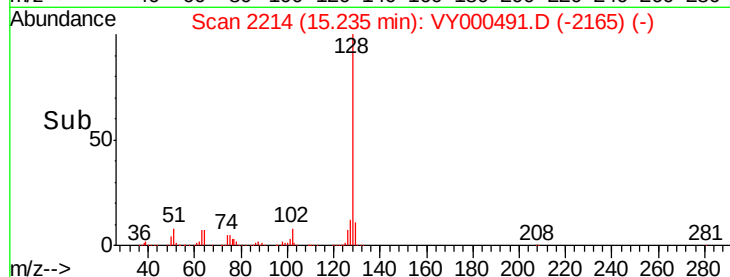
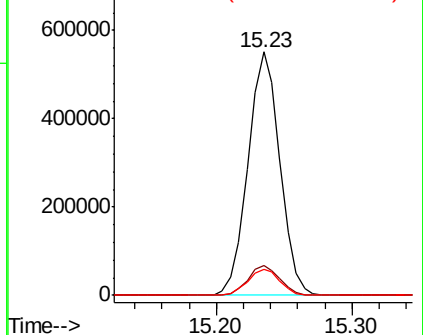
129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 1.172 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY000491.D

Acq: 30 Oct 2019 14:40

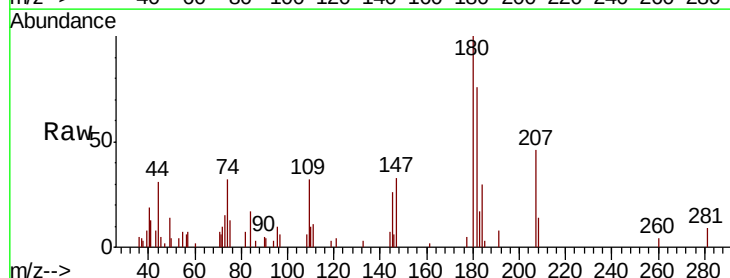
Tgt Ion:180 Resp: 3920

Ion Ratio Lower Upper

180 100

182 87.1 47.4 142.3

145 32.9 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

