

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002580.D
 Acq On : 05 May 2020 12:53
 Operator : SY/MD
 Sample : L2447-22DL2X
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

Quant Time: May 06 03:18:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	420529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	626992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	564663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	287936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	188067	53.19	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	7.73	113	198550	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
50) Toluene-d8	10.18	98	762567	54.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.92%	
62) 4-Bromofluorobenzene	12.49	95	258127	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	157	1.828	ug/l #	43
11) Tert butyl alcohol	4.96	59	1181	3.246	ug/l #	74
16) Acetone	3.96	43	296356	406.118	ug/l	99
20) Methylene Chloride	4.74	84	95929	23.508	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	275720	69.684	ug/l	98
25) 2-Butanone	7.00	43	137766	115.332	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	279932	63.940	ug/l	90
28) Bromochloromethane	7.52	49	30638	11.844	ug/l #	6
30) Chloroform	7.52	83	436120	66.432	ug/l	99
31) Cyclohexane	7.80	56	6800	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	26930	5.124	ug/l #	49
37) Ethyl Acetate	7.00	43	137766	51.005	ug/l #	1
38) Carbon Tetrachloride	7.80	117	37090	6.463	ug/l #	15
40) Benzene	8.17	78	472783	31.143	ug/l	99
42) 1,2-Dichloroethane	8.25	62	210140	49.349	ug/l	99
44) Trichloroethene	8.94	130	326679	68.858	ug/l	98
45) 1,2-Dichloropropane	9.22	63	83469	22.782	ug/l	97
46) Dibromomethane	9.31	93	127195	60.339	ug/l	99
47) Bromodichloromethane	9.50	83	333848	65.132	ug/l	99
48) Methyl methacrylate	9.22	41	41062	17.918	ug/l #	29
49) 1,4-Dioxane	9.31	88	822	29.451	ug/l #	28
54) cis-1,3-Dichloropropene	9.93	75	377845	60.859	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	96269	31.316	ug/l	98
59) 2-Hexanone	10.83	43	304930	169.748	ug/l	100
60) Dibromochloromethane	10.99	129	244678	62.580	ug/l	99
61) 1,2-Dibromoethane	11.09	107	168835	55.467	ug/l	100
64) Tetrachloroethene	10.72	164	77271	15.402	ug/l	98
65) Chlorobenzene	11.52	112	719988	67.074	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	153290	38.471	ug/l	99
67) Ethyl Benzene	11.60	91	1506363	79.890	ug/l	99
68) m/p-Xylenes	11.70	106	675417	92.579	ug/l	99
69) o-Xylene	12.03	106	661204	96.795	ug/l	99
70) Styrene	12.05	104	677644	58.029	ug/l	94
71) Bromoform	12.21	173	119613	48.365	ug/l #	99

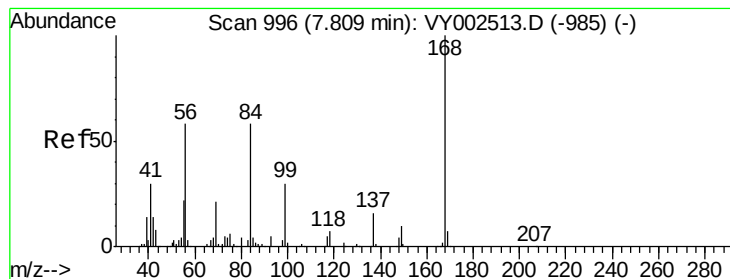
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
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 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Isopropylbenzene	12.33	105	1579400	84.636	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	45542	17.798	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.33	75	16278	12.756	ug/l #	47
82) 4-Chlorotoluene	13.13	91	118841	9.431	ug/l #	38
83) tert-Butylbenzene	13.13	119	155043	11.431	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.13	105	1232337	79.938	ug/l	100
85) sec-Butylbenzene	13.26	105	1414250	75.144	ug/l	99
86) p-Isopropyltoluene	13.26	119	21708	1.231	ug/l #	1
87) 1,3-Dichlorobenzene	13.37	146	783976	88.845	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	783976	89.724	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	695515	88.333	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	38937	70.383	ug/l	99
95) Naphthalene	15.24	128	836074	80.174	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

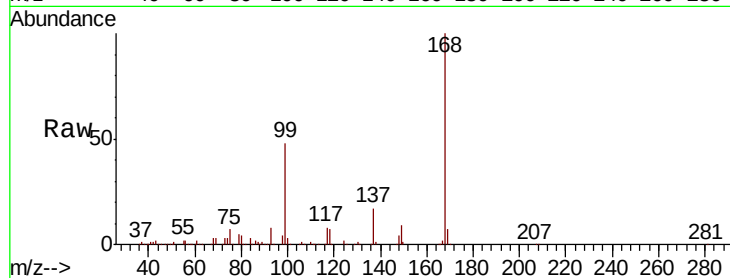
PT-VOA-SOILD

Tot Ion:168 Resp: 420529

Ion Ratio Lower Upper

168 100

99 47.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

200000

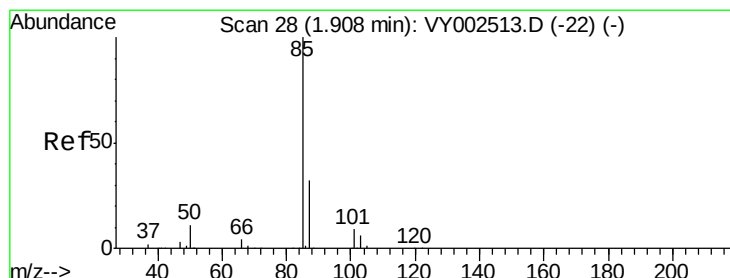
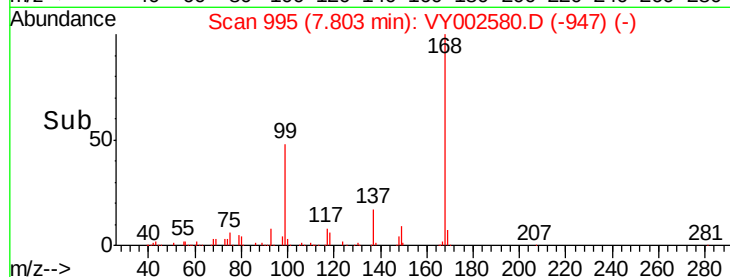
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.828 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002580.D

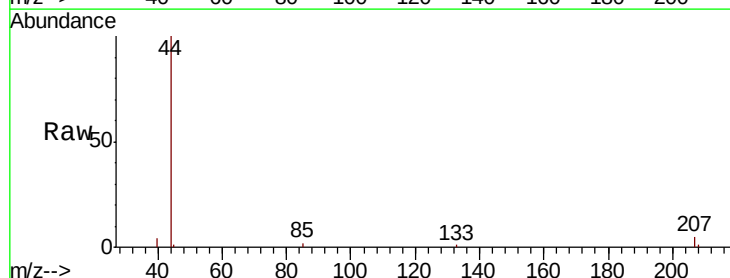
Acq: 05 May 2020 12:53

Tgt Ion: 85 Resp: 157

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

120

100

80

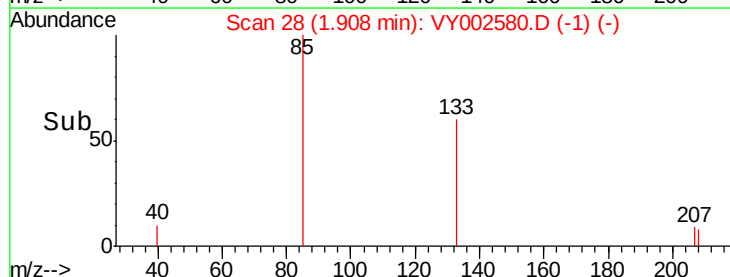
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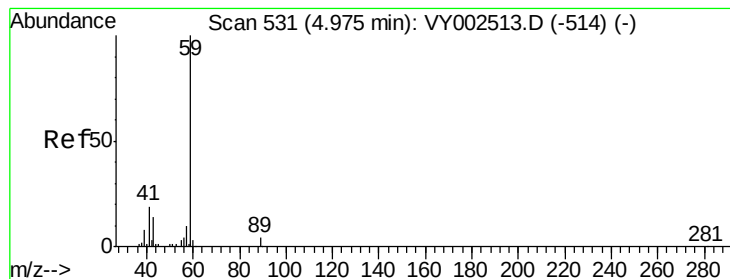
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20

0

Time-->



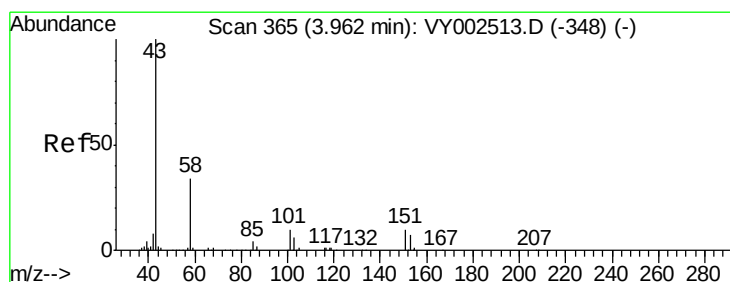
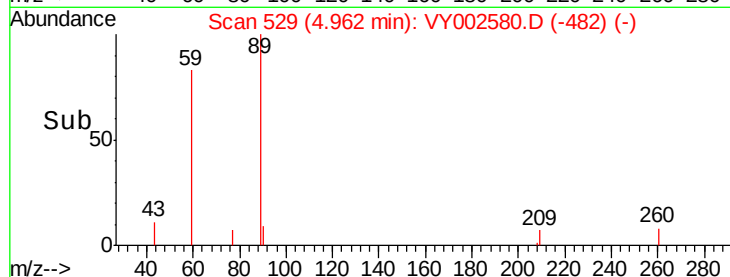
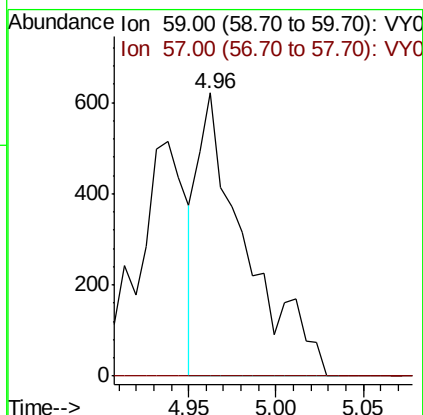
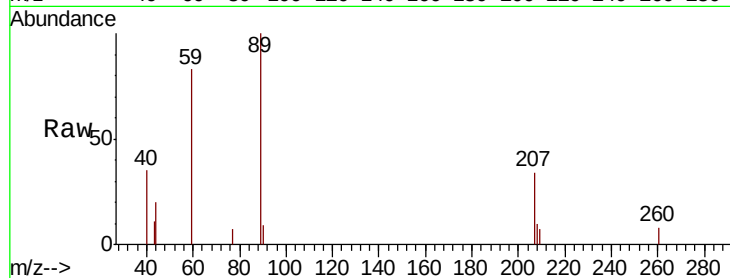


#11

Tert butyl alcohol
 Concen: 3.246 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILD

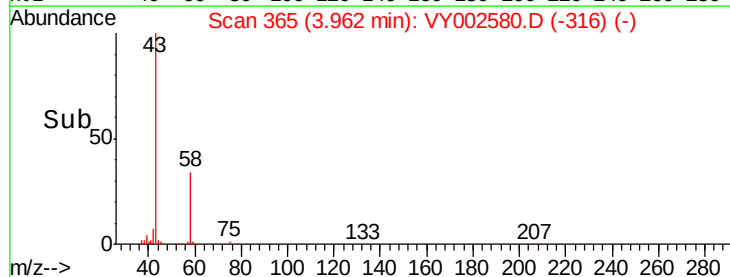
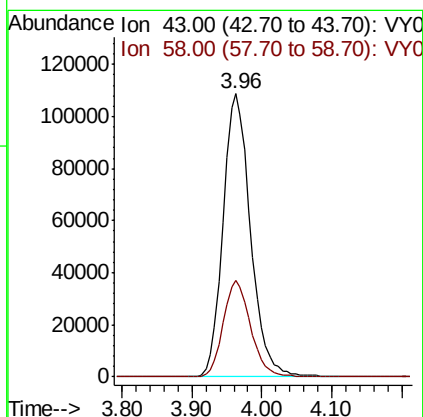
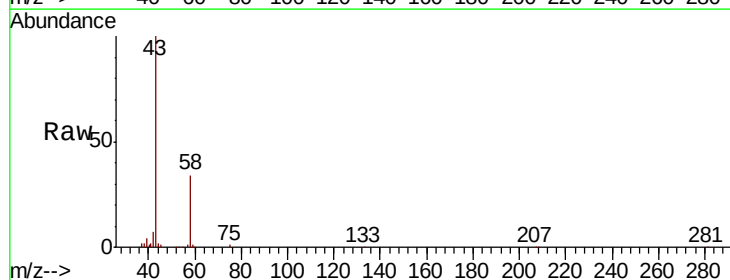
Tot Ion: 59 Resp: 1181
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

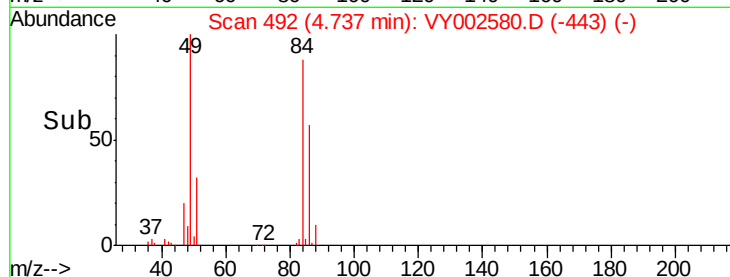
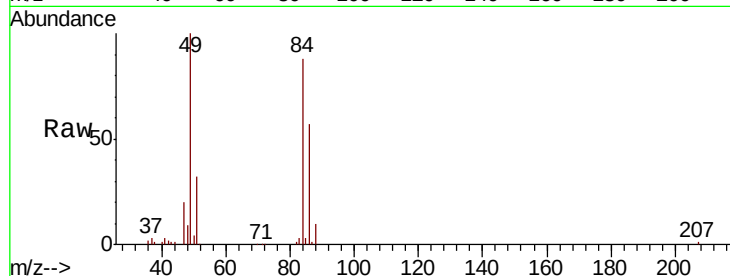
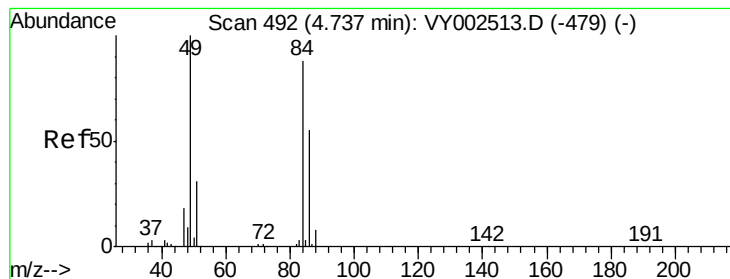


#16

Acetone
 Concen: 406.118 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

Tgt Ion: 43 Resp: 296356
 Ion Ratio Lower Upper
 43 100
 58 34.0 26.9 40.3





#20

Methylene Chloride

Concen: 23.508 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

Tot Ion: 84 Resp: 95929

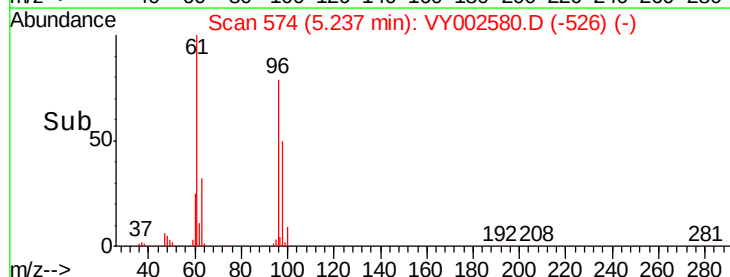
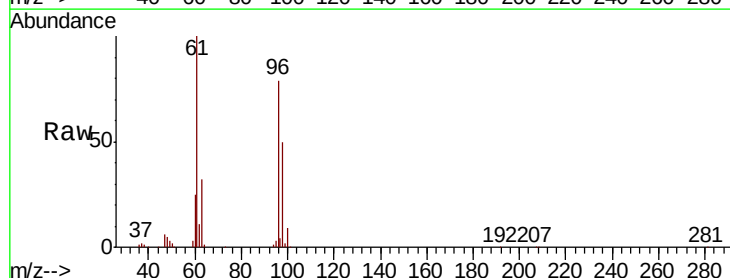
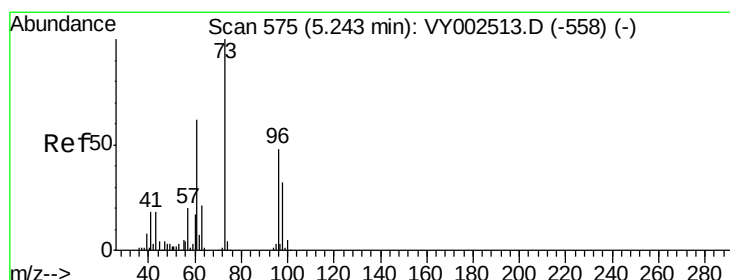
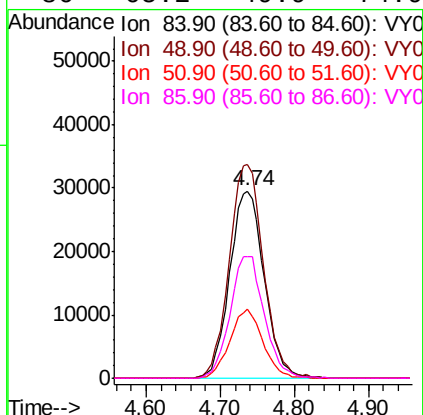
Ion Ratio Lower Upper

84 100

49 114.0 90.5 135.7

51 36.8 28.3 42.5

86 65.2 49.9 74.9



#21

trans-1,2-Dichloroethene

Concen: 69.684 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

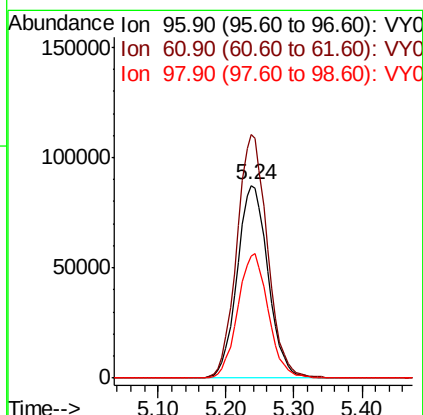
Tgt Ion: 96 Resp: 275720

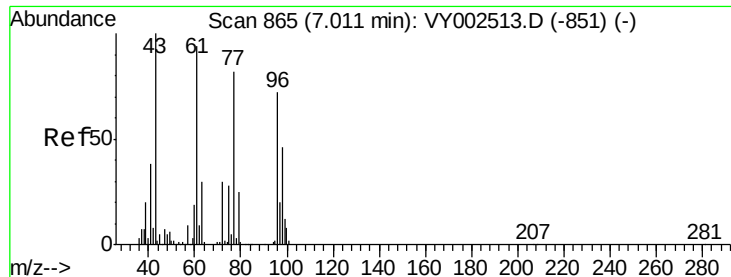
Ion Ratio Lower Upper

96 100

61 126.5 102.0 153.0

98 63.5 53.0 79.4

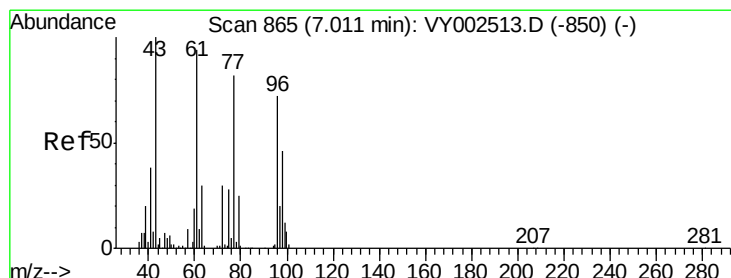
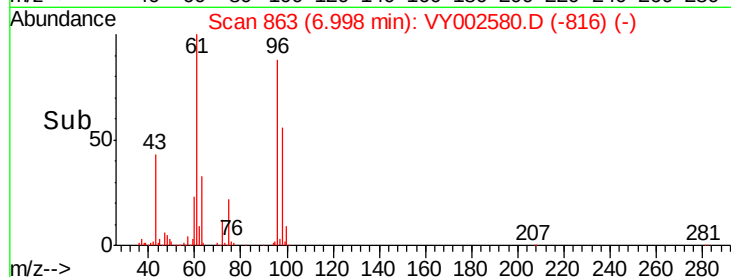
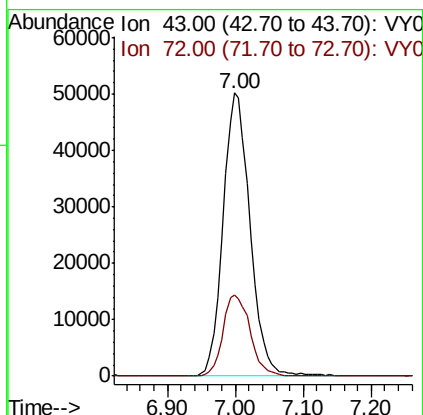
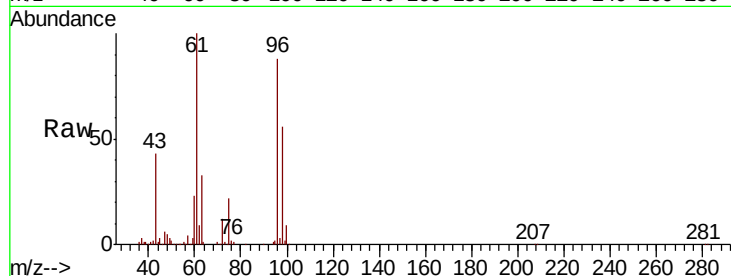




#25
2-Butanone
Concen: 115.332 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

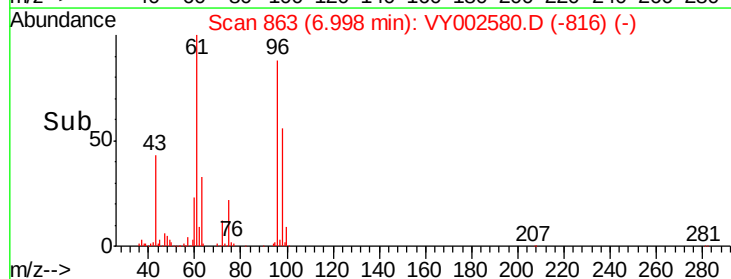
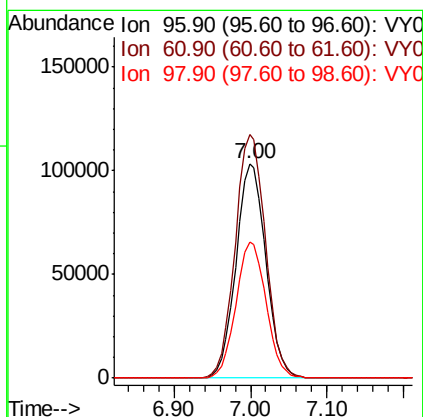
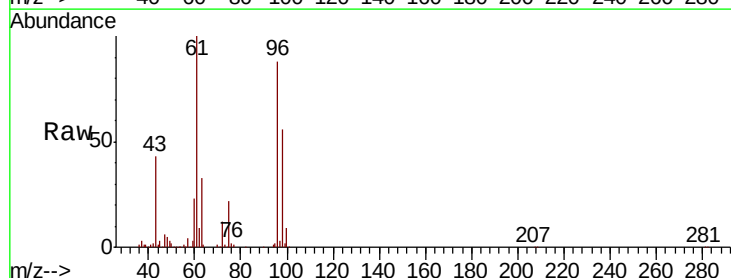
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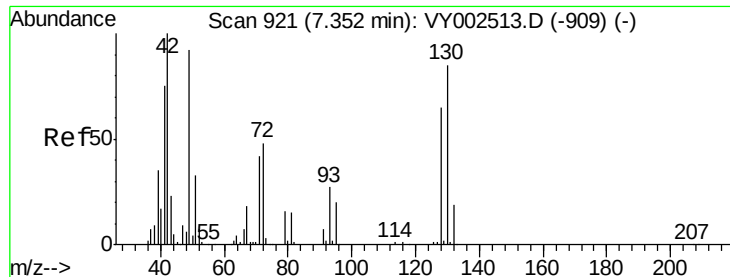
Tot Ion: 43 Resp: 137766
Ion Ratio Lower Upper
43 100
72 28.6 24.1 36.1



#27
cis-1,2-Dichloroethene
Concen: 63.940 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

Tgt Ion: 96 Resp: 279932
Ion Ratio Lower Upper
96 100
61 115.4 0.0 266.6
98 64.0 0.0 129.2

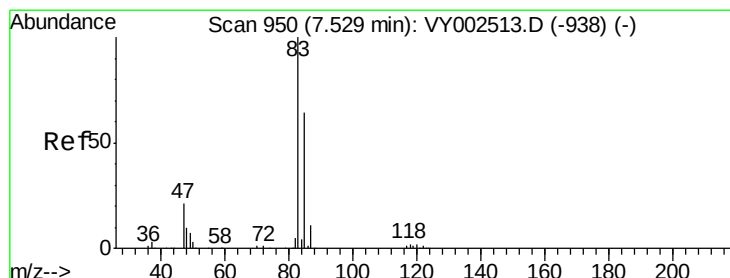
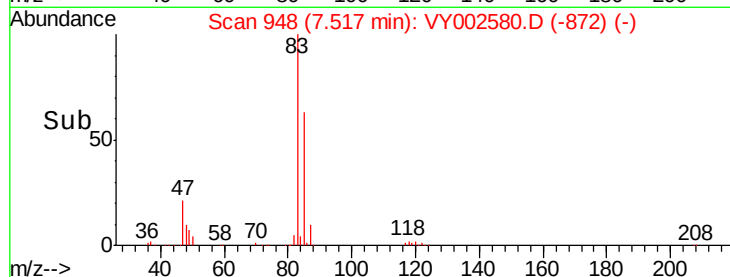
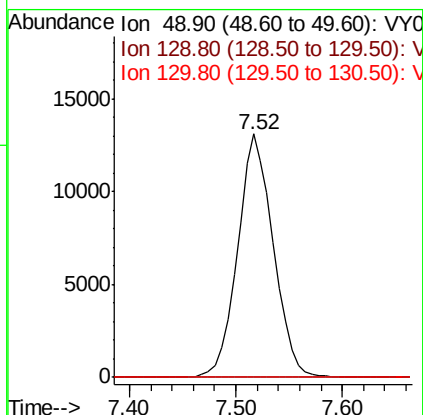
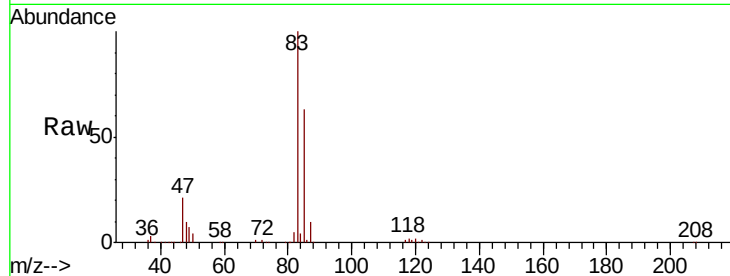




#28
Bromochloromethane
Concen: 11.844 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.16 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

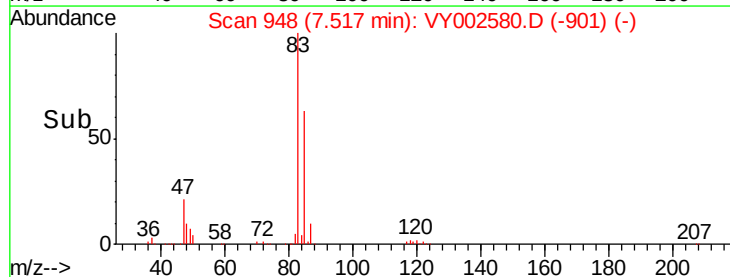
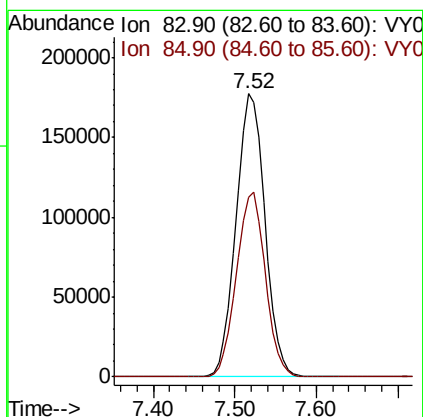
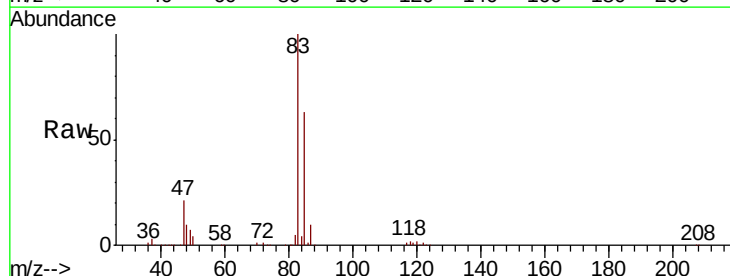
Instrument :
MSVOA_Y
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PT-VOA-SOILD

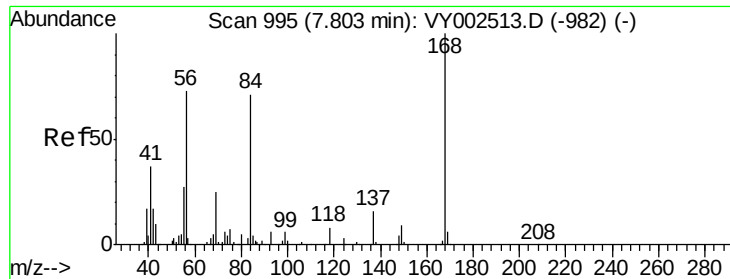
Tot Ion: 49 Resp: 30638
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 72.5 108.7#



#30
Chloroform
Concen: 66.432 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

Tgt Ion: 83 Resp: 436120
Ion Ratio Lower Upper
83 100
85 63.4 51.5 77.3





#31

Cyclohexane

Concen: 1.070 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

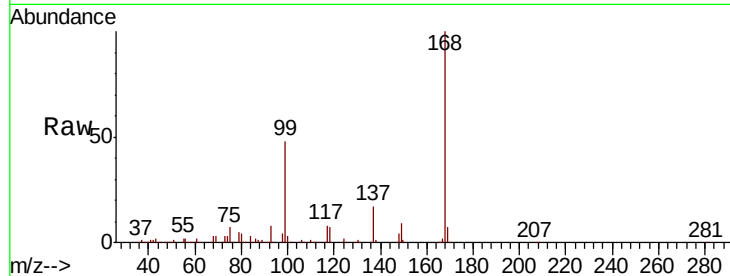
Tot Ion: 56 Resp: 6800

Ion Ratio Lower Upper

56 100

69 175.5 27.6 41.4#

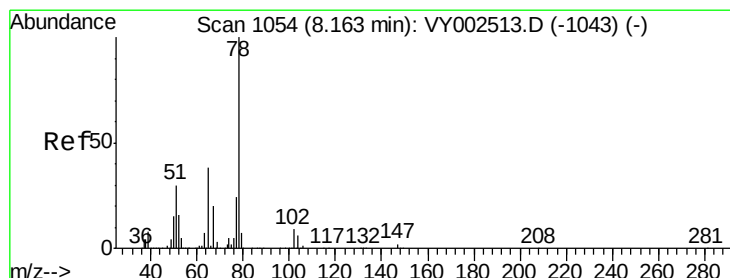
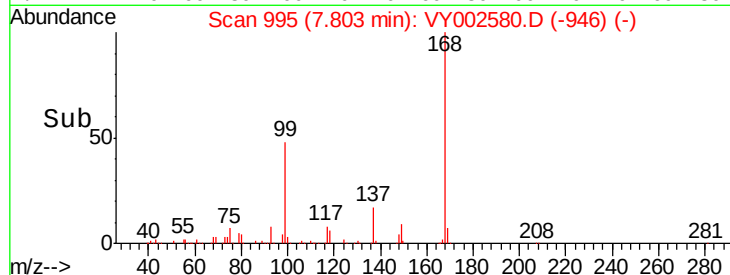
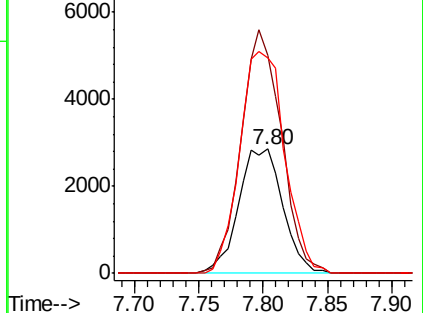
84 180.5 77.7 116.5#



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: 53.188 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002580.D

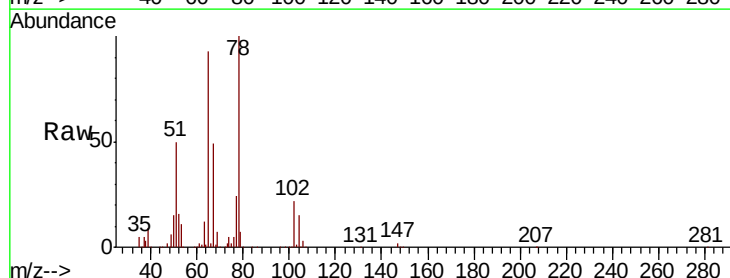
Acq: 05 May 2020 12:53

Tgt Ion: 65 Resp: 188067

Ion Ratio Lower Upper

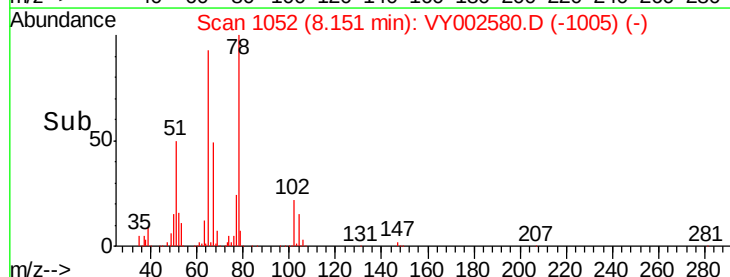
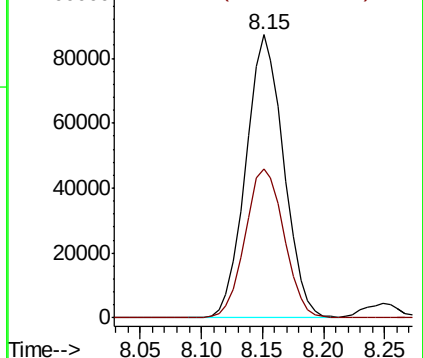
65 100

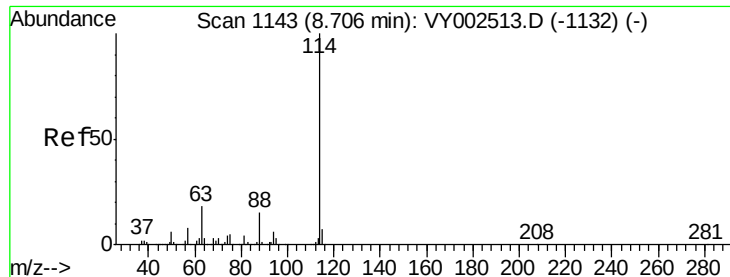
67 54.2 0.0 107.2



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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

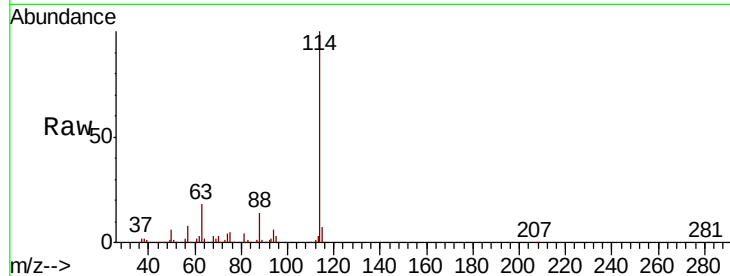
Tot Ion:114 Resp: 626992

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.4

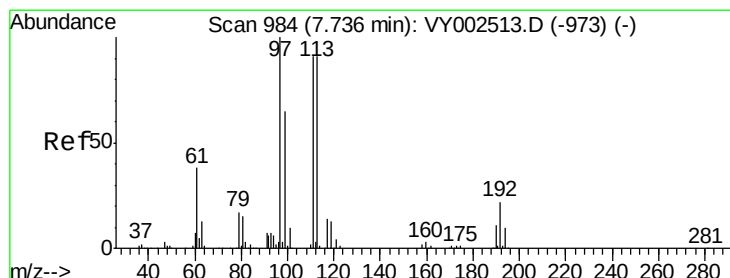
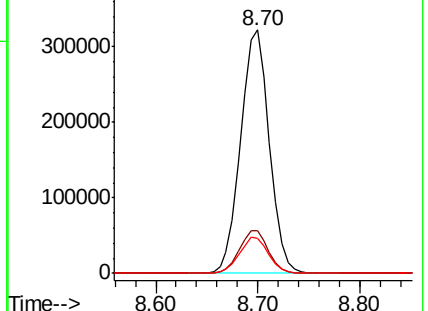
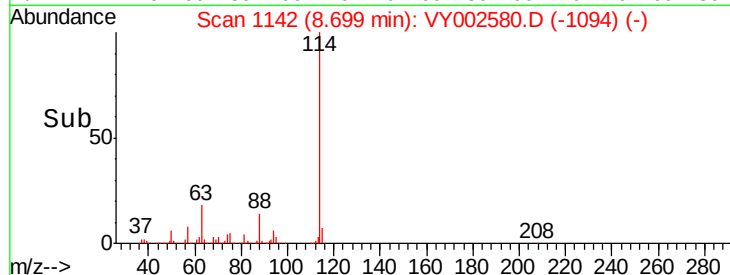
88 14.2 0.0 29.6



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: 55.371 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

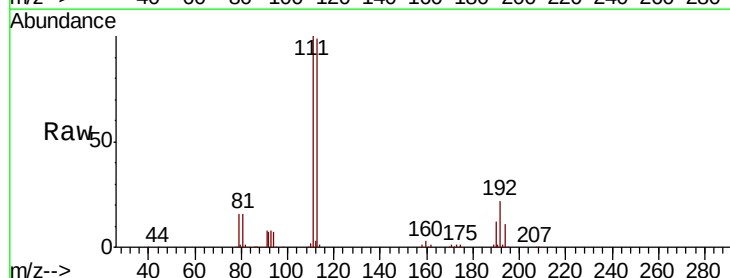
Tgt Ion:113 Resp: 198550

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

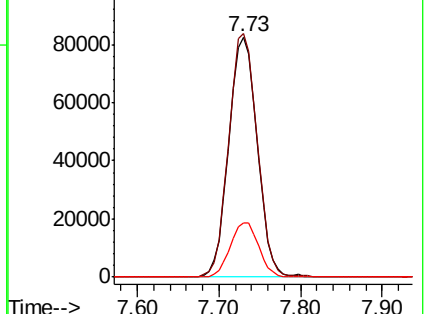
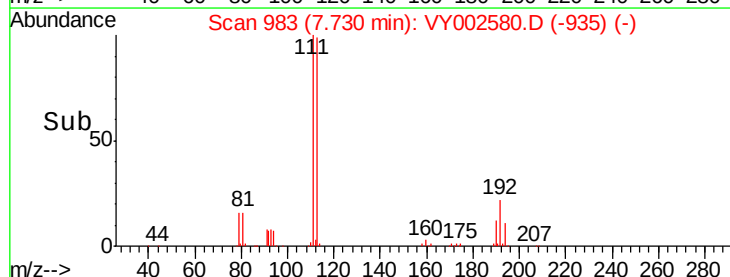
192 22.6 18.2 27.4

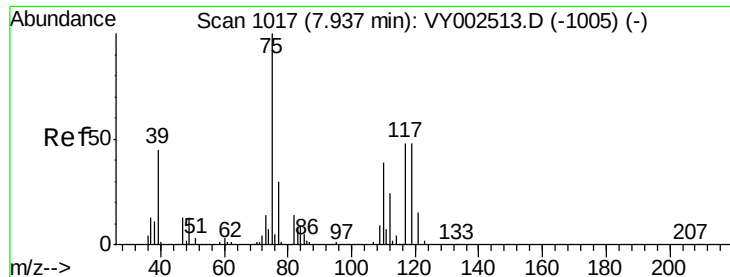


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.124 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

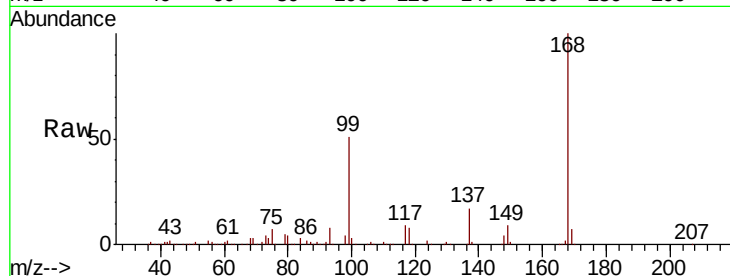
Tot Ion: 75 Resp: 26930

Ion Ratio Lower Upper

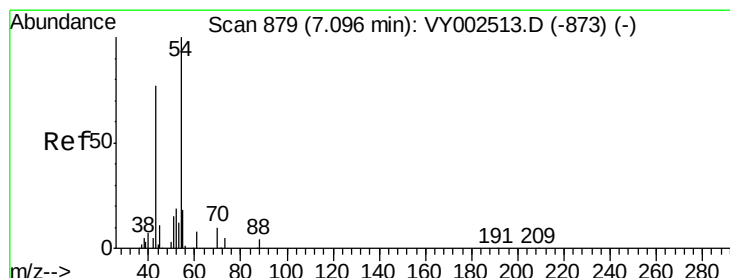
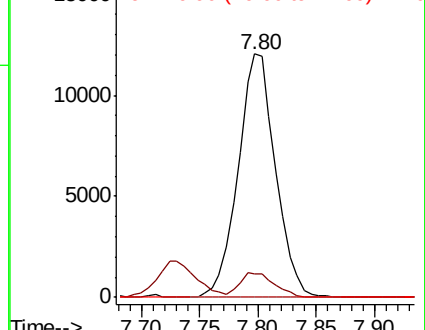
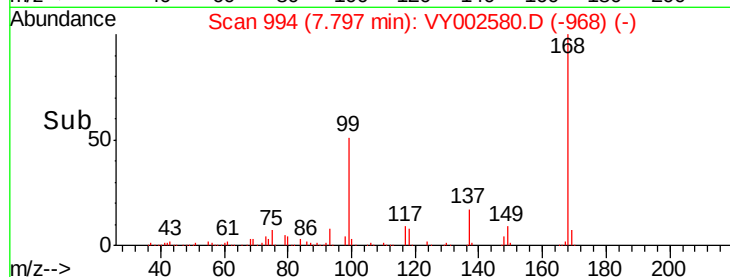
75 100

110 9.4 19.1 57.3#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY002580.D (-968) (-)



#37

Ethyl Acetate

Concen: 51.005 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.10 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

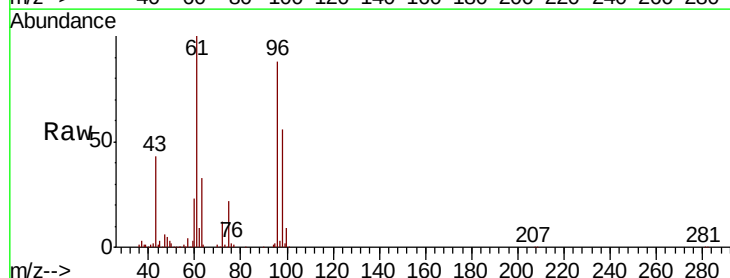
Tgt Ion: 43 Resp: 137766

Ion Ratio Lower Upper

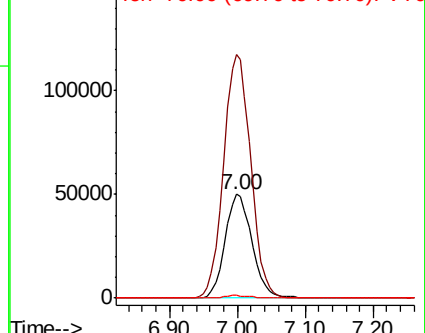
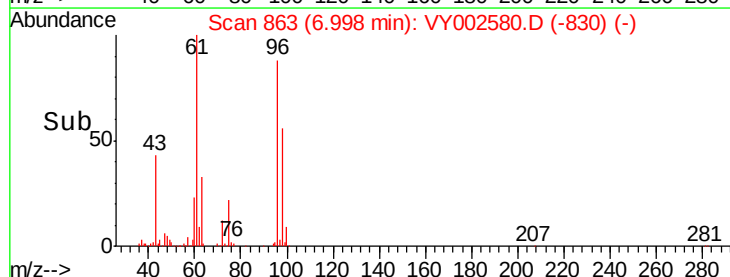
43 100

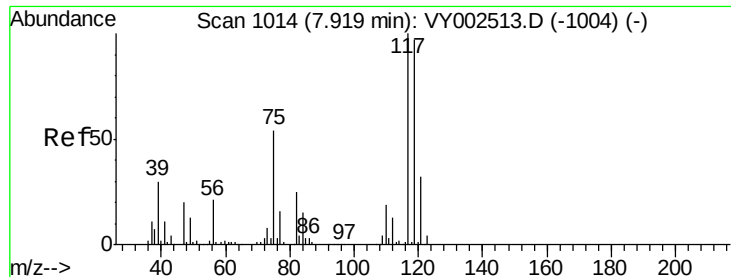
61 234.5 11.6 17.4#

70 2.5 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VY002580.D (-830) (-)





#38

Carbon Tetrachloride

Concen: 6.463 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

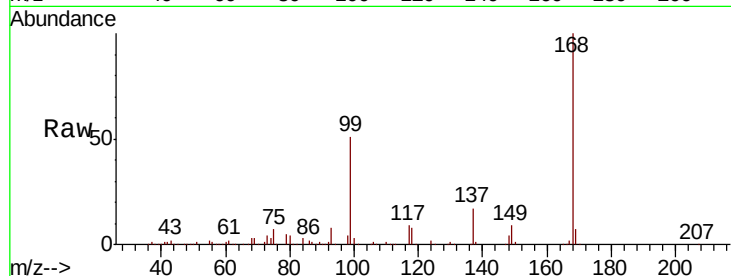
Tot Ion:117 Resp: 37090

Ion Ratio Lower Upper

117 100

119 4.4 77.1 115.7#

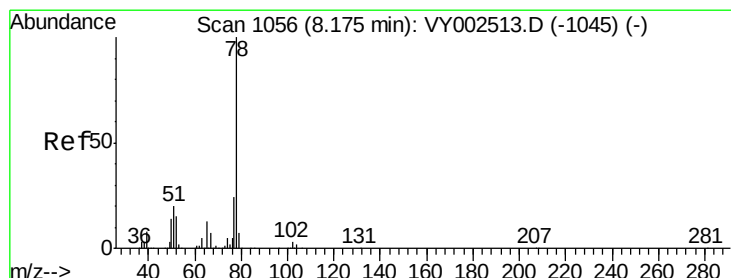
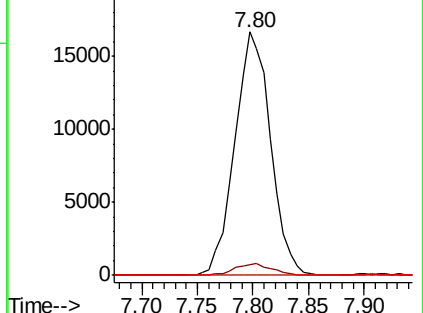
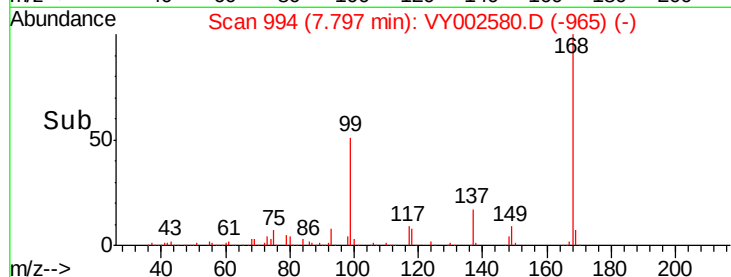
121 0.0 25.2 37.8#



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



#40

Benzene

Concen: 31.143 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VY002580.D

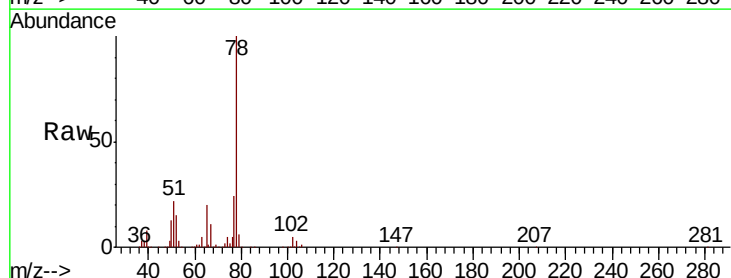
Acq: 05 May 2020 12:53

Tgt Ion: 78 Resp: 472783

Ion Ratio Lower Upper

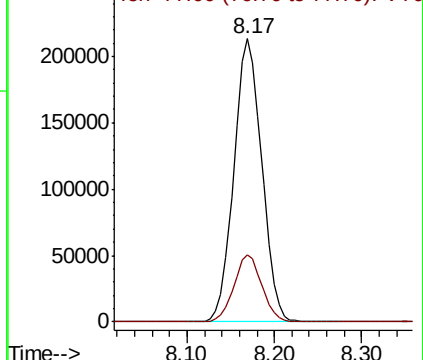
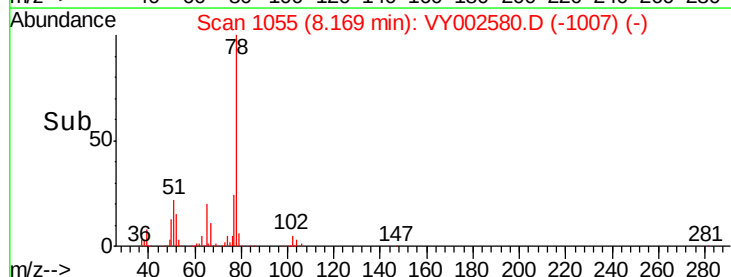
78 100

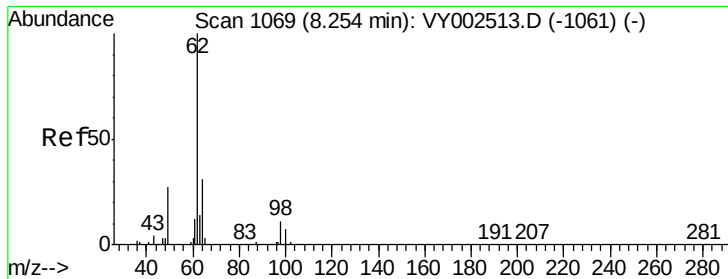
77 23.5 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

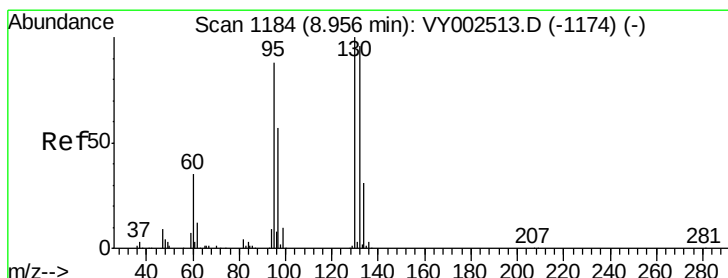
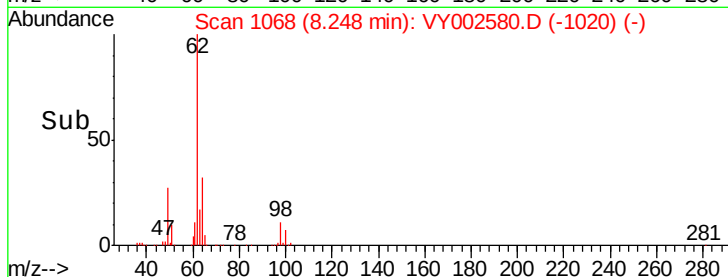
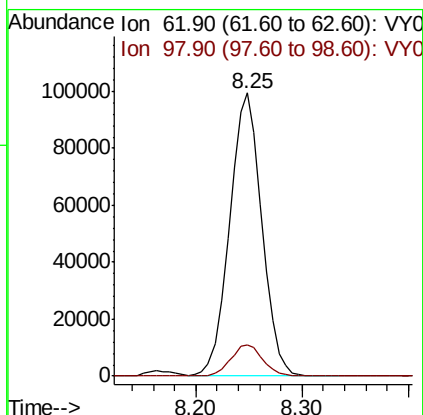
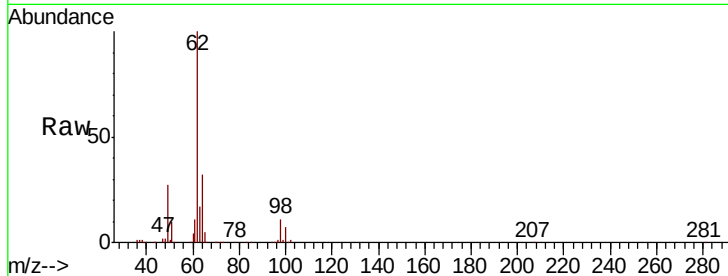




#42
 1,2-Dichloroethane
 Concen: 49.349 ug/l
 RT: 8.25 min Scan# 1068
 Delta R.T. -0.01 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

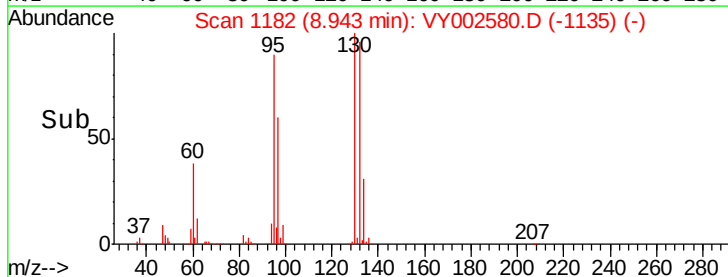
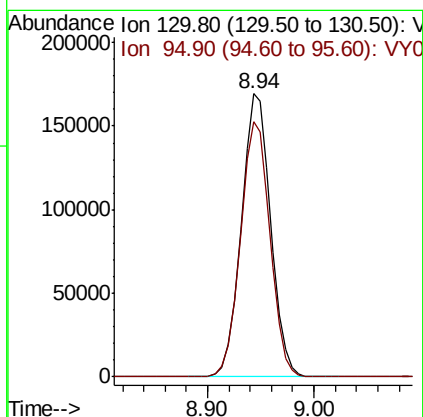
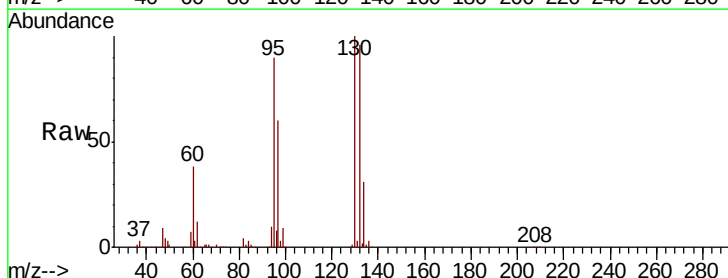
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

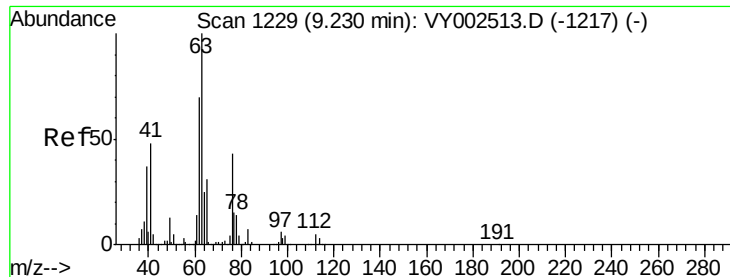
Tot Ion: 62 Resp: 210140
 Ion Ratio Lower Upper
 62 100
 98 11.0 0.0 21.0



#44
 Trichloroethene
 Concen: 68.858 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

Tgt Ion:130 Resp: 326679
 Ion Ratio Lower Upper
 130 100
 95 90.2 0.0 175.8





#45

1,2-Dichloropropane

Concen: 22.782 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

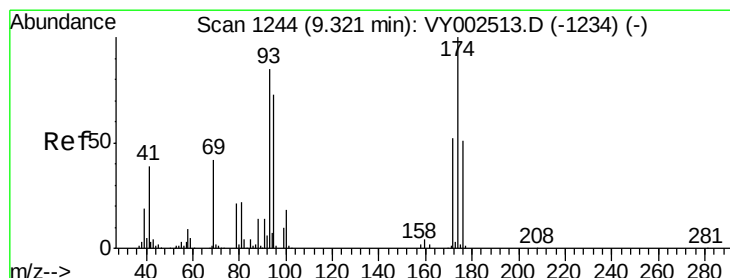
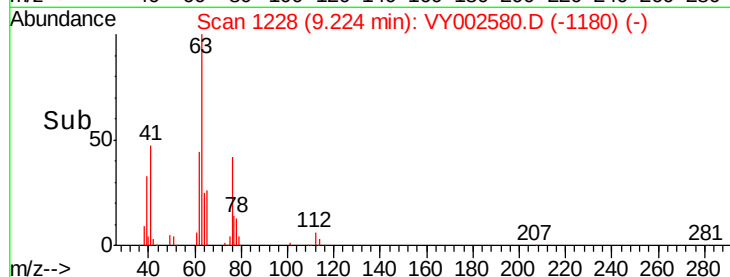
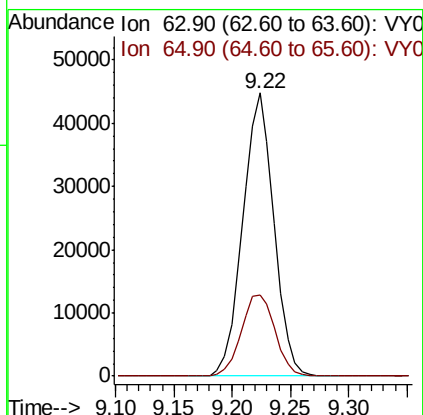
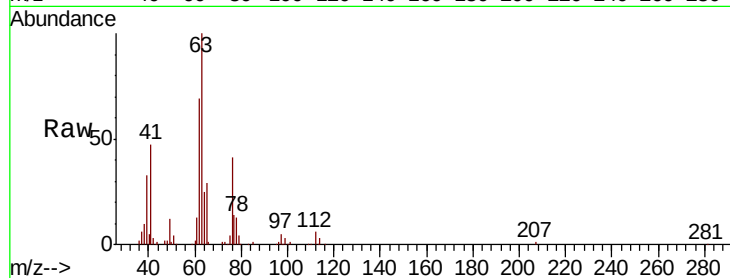
PT-VOA-SOILDL

Tot Ion: 63 Resp: 83469

Ion Ratio Lower Upper

63 100

65 28.9 24.5 36.7



#46

Dibromomethane

Concen: 60.339 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

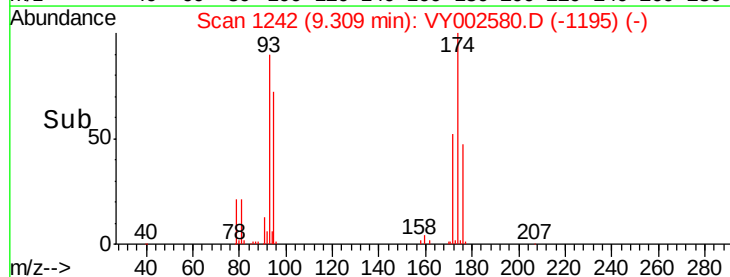
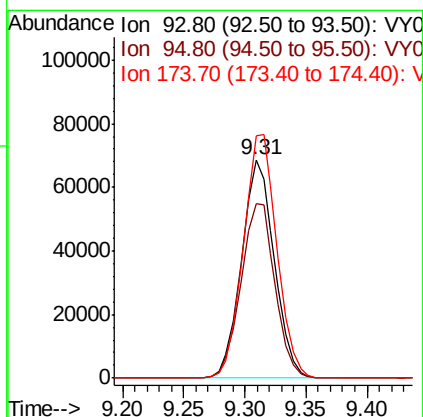
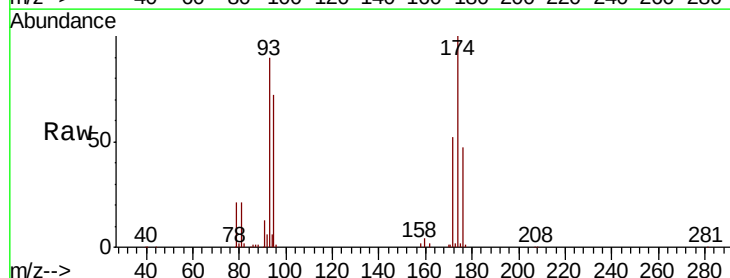
Tgt Ion: 93 Resp: 127195

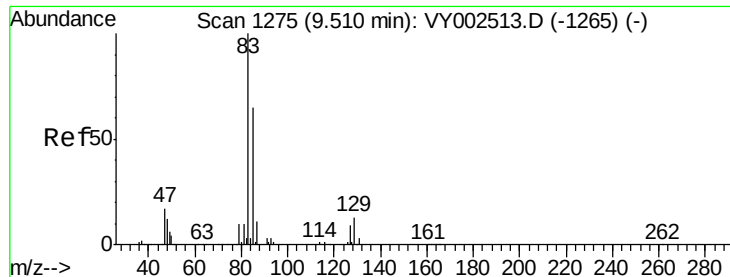
Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.4

174 114.8 92.7 139.1





#47

Bromodichloromethane

Concen: 65.132 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

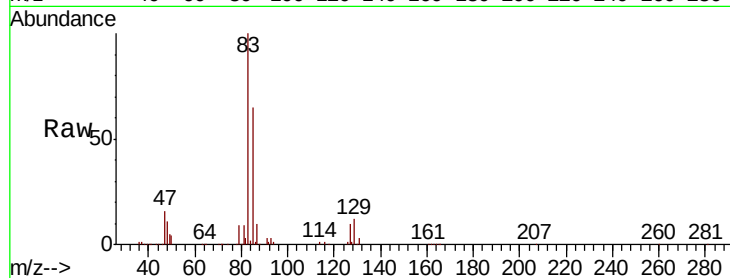
Tot Ion: 83 Resp: 333848

Ion Ratio Lower Upper

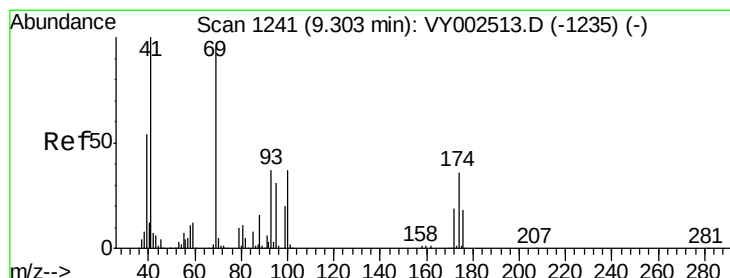
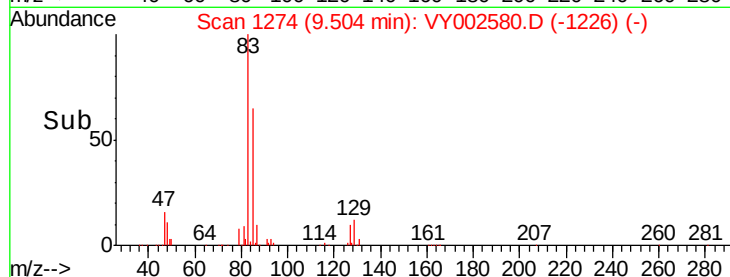
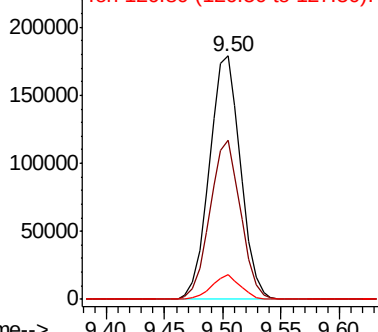
83 100

85 65.2 51.8 77.8

127 10.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.918 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.08 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

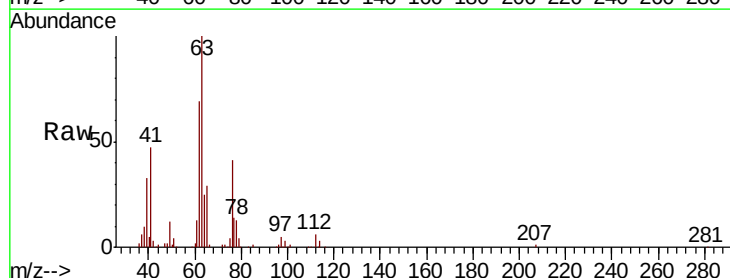
Tgt Ion: 41 Resp: 41062

Ion Ratio Lower Upper

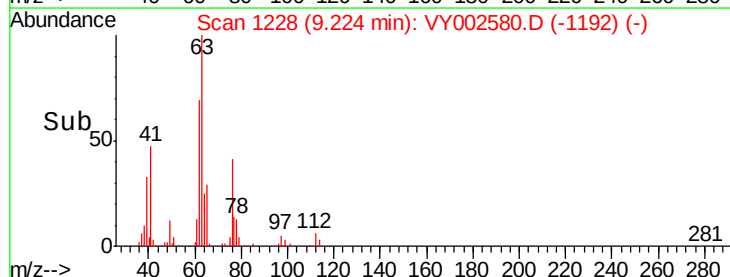
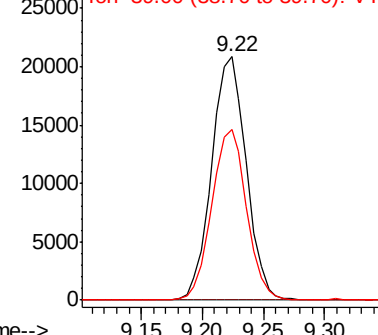
41 100

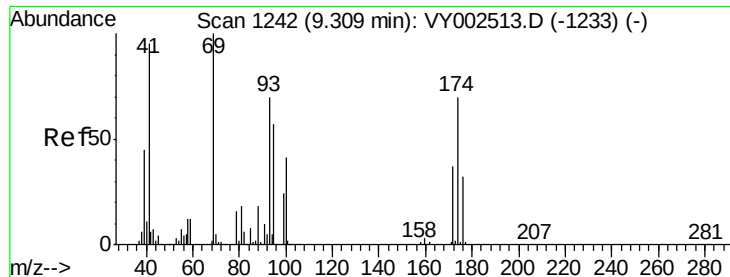
69 0.0 76.2 114.4#

39 70.4 42.7 64.1#



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

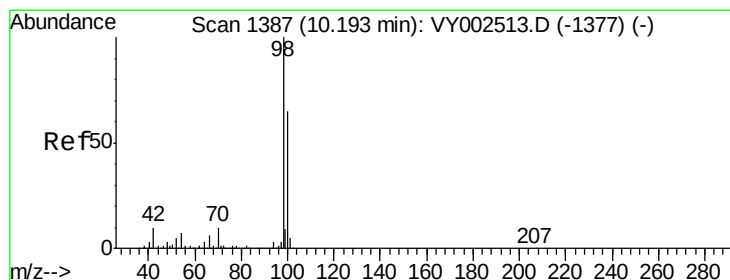
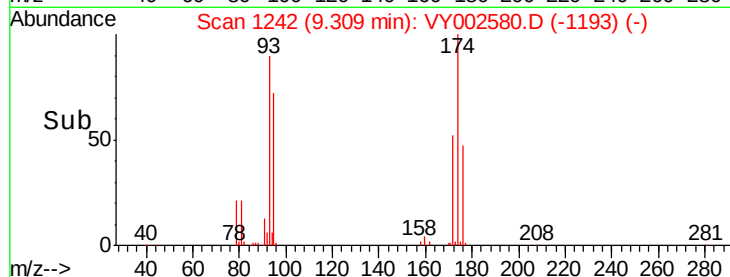
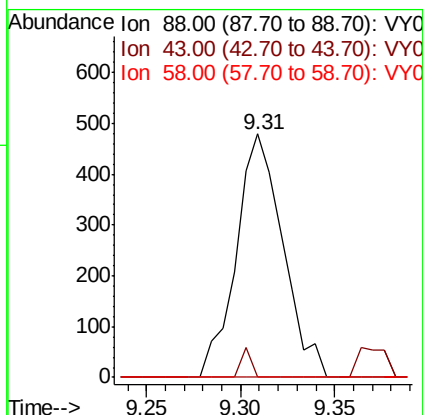
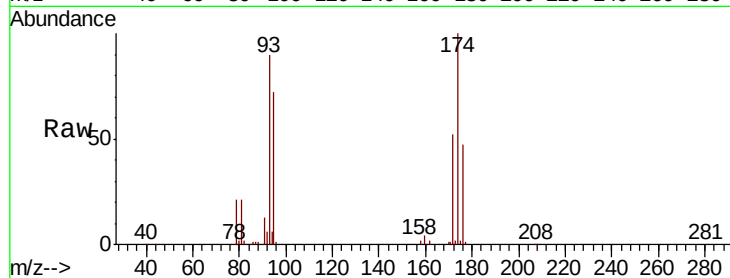




#49
1,4-Dioxane
Concen: 29.451 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

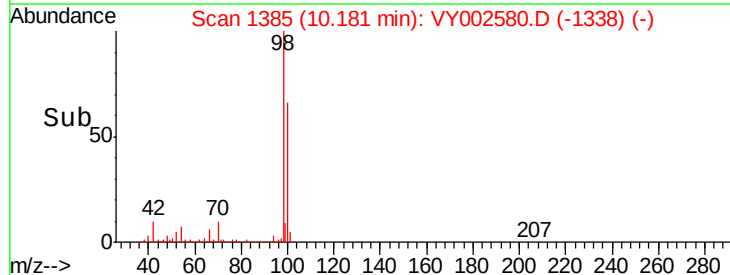
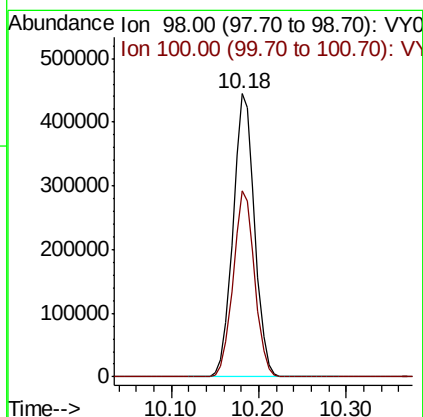
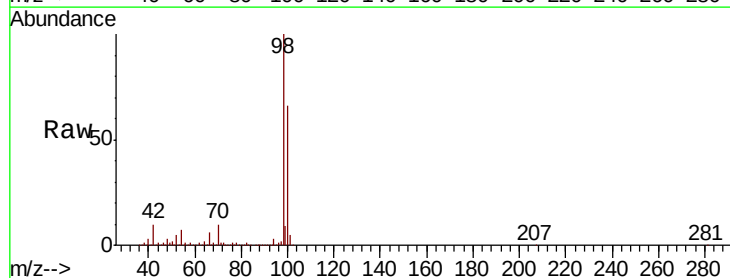
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

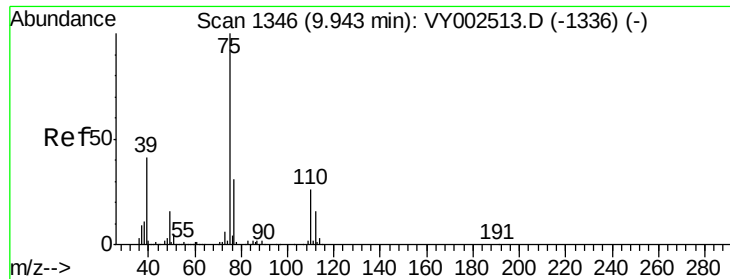
Tot Ion: 88 Resp: 822
Ion Ratio Lower Upper
88 100
43 2.7 22.8 34.2#
58 0.0 51.4 77.2#



#50
Toluene-d8
Concen: 54.457 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

Tgt Ion: 98 Resp: 762567
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2

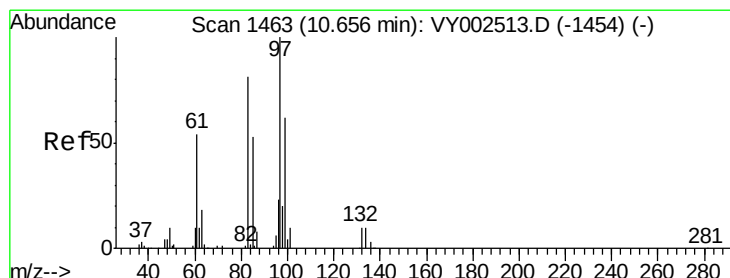
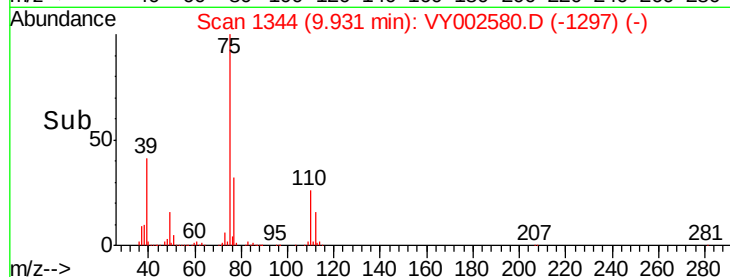
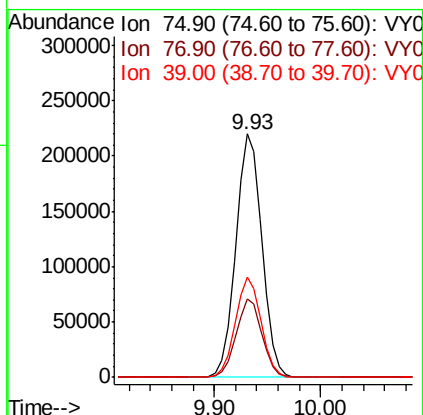
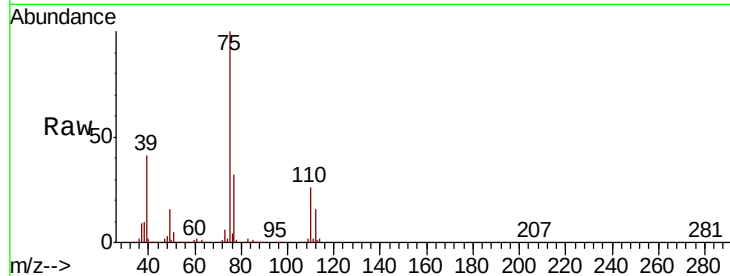




#54
 cis-1,3-Dichloropropene
 Concen: 60.859 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

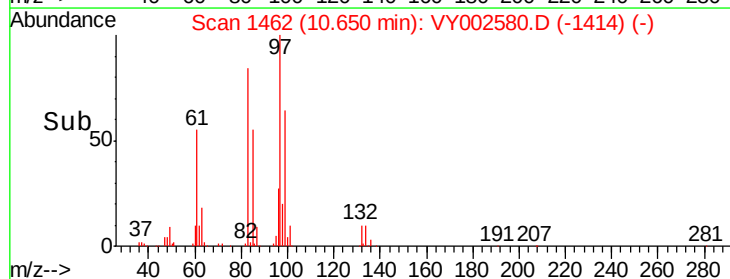
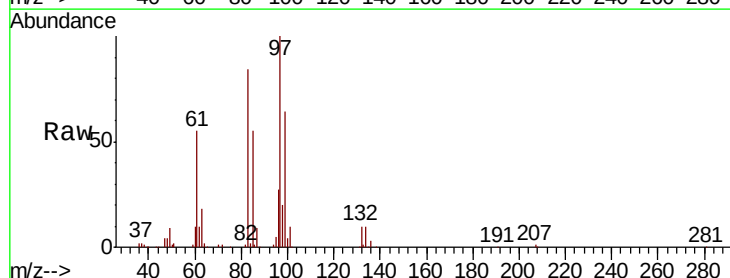
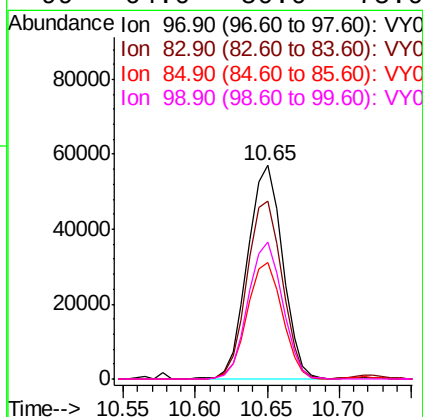
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

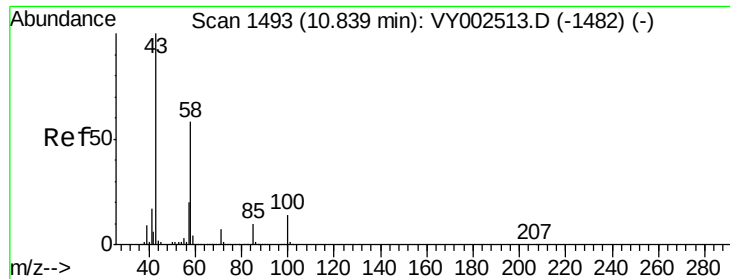
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	41.0	32.7	49.1



#55
 1,1,2-Trichloroethane
 Concen: 31.316 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.6	65.1	97.7
85	54.5	42.7	64.1
99	64.0	50.0	75.0

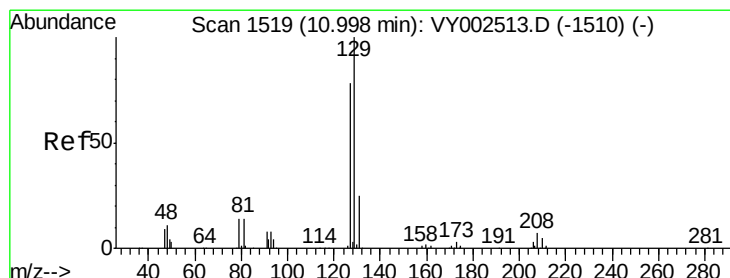
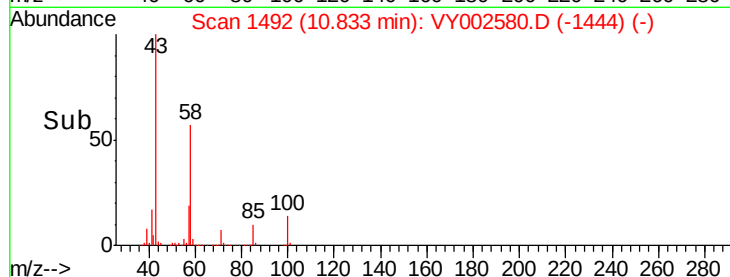
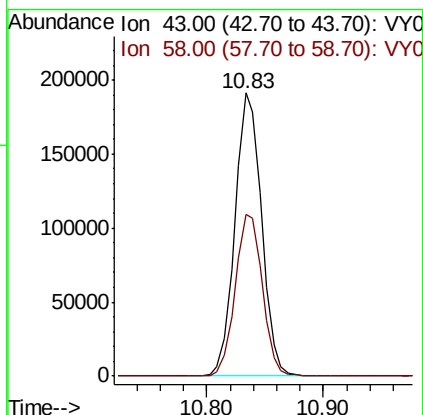
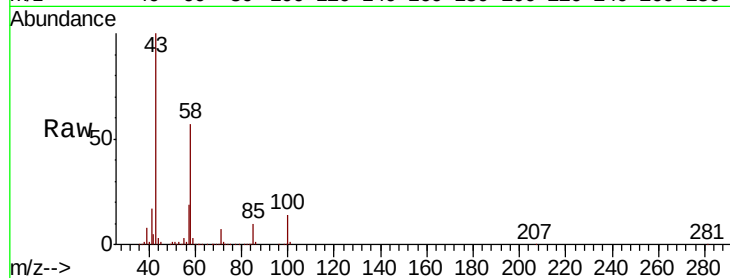




#59
2-Hexanone
Concen: 169.748 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

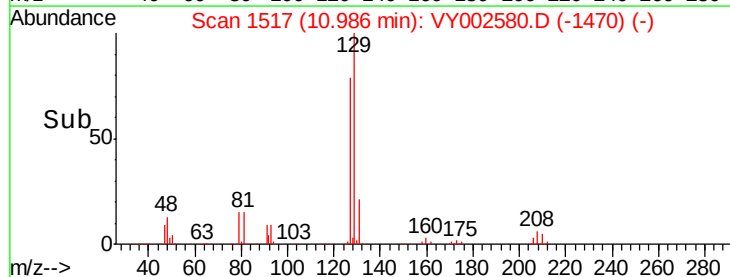
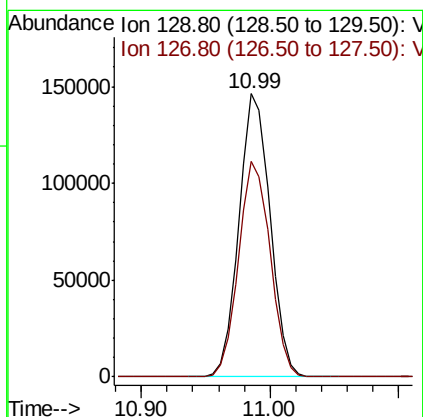
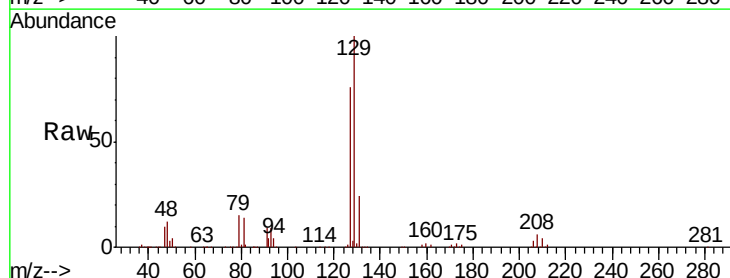
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

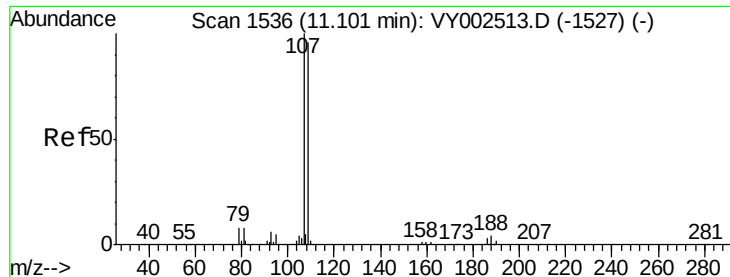
Tot Ion: 43 Resp: 304930
Ion Ratio Lower Upper
43 100
58 58.4 29.1 87.3



#60
Dibromochloromethane
Concen: 62.580 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

Tgt Ion: 129 Resp: 244678
Ion Ratio Lower Upper
129 100
127 77.0 39.0 117.0

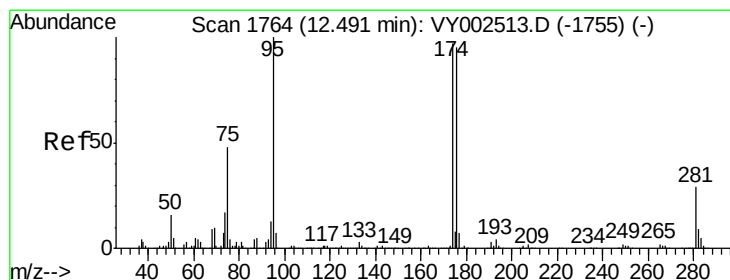
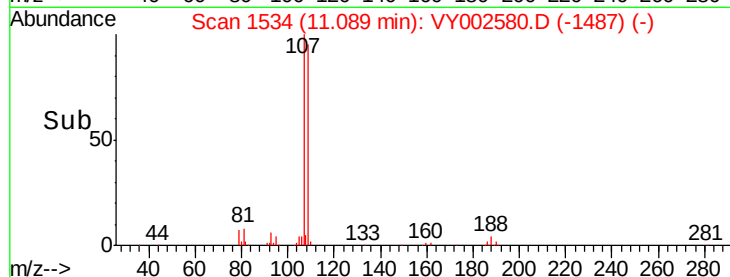
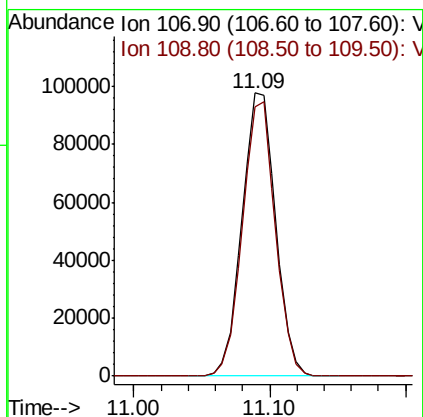
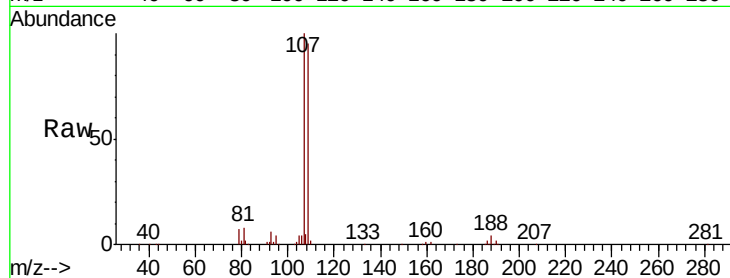




#61
 1,2-Dibromoethane
 Concen: 55.467 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

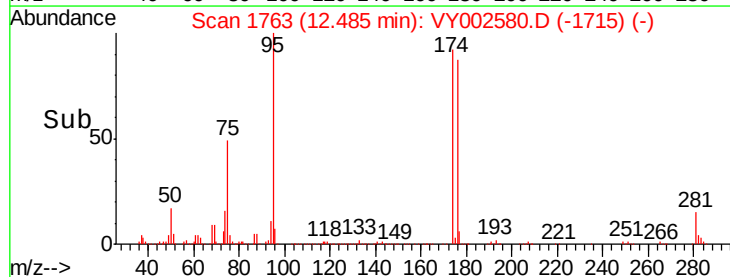
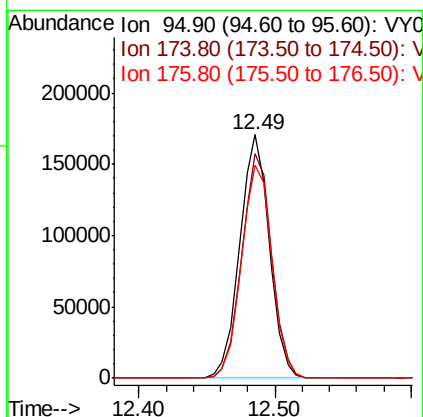
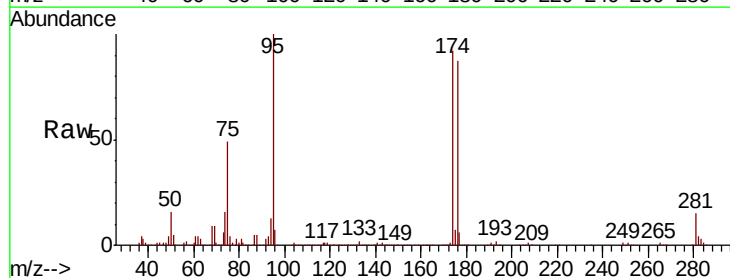
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

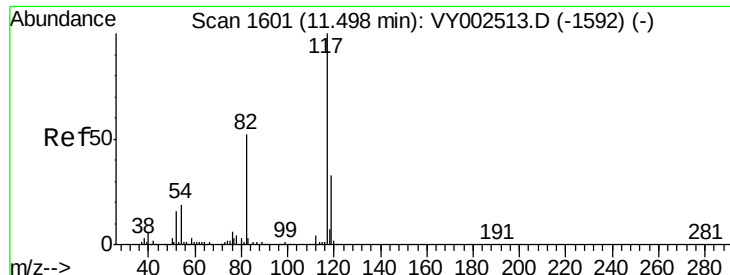
Tot Ion: 107 Resp: 168835
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 54.325 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

Tgt Ion: 95 Resp: 258127
 Ion Ratio Lower Upper
 95 100
 174 93.8 0.0 188.8
 176 90.5 0.0 183.2

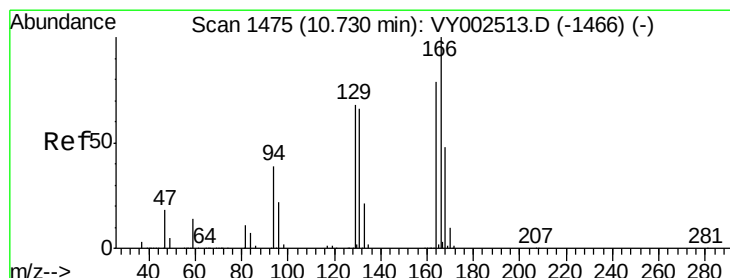
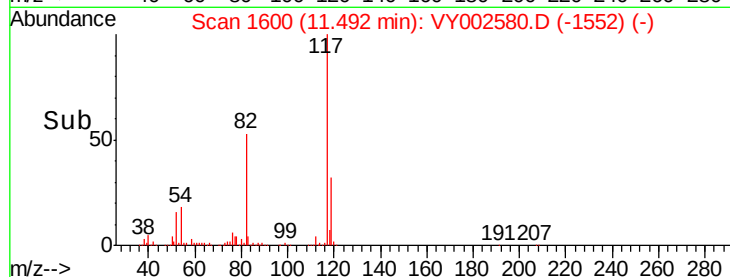
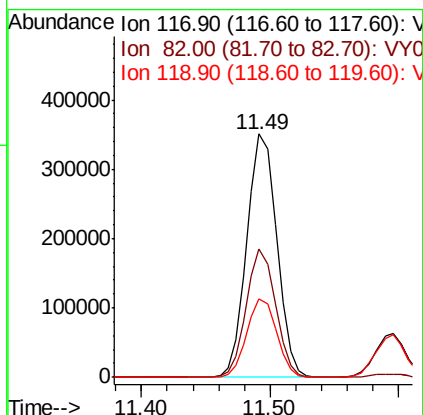
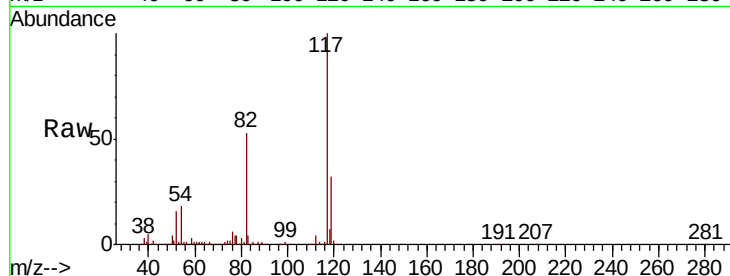




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

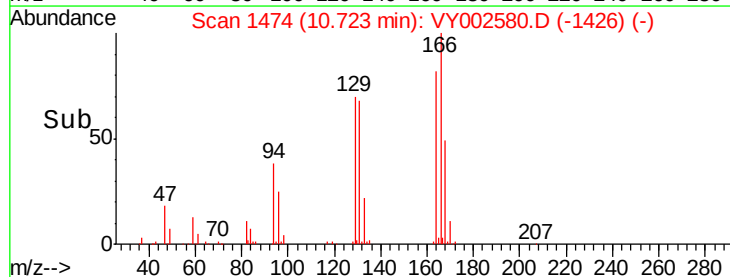
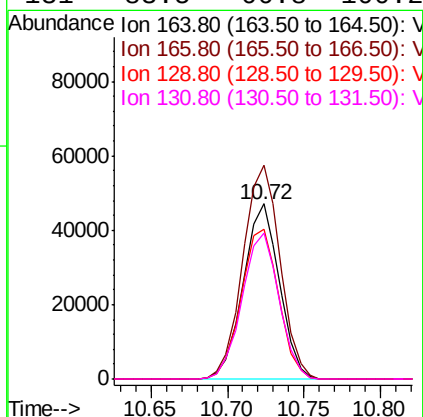
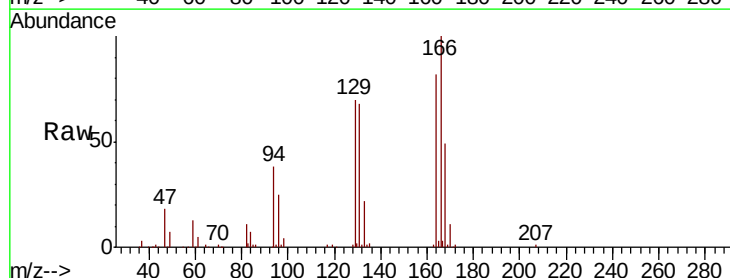
Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

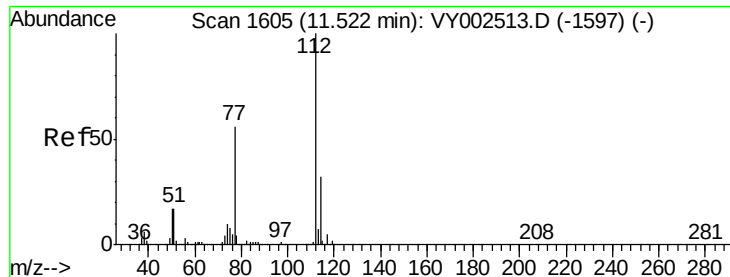
Tot Ion:117 Resp: 564663
Ion Ratio Lower Upper
117 100
82 52.8 41.3 61.9
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 15.402 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

Tgt Ion:164 Resp: 77271
Ion Ratio Lower Upper
164 100
166 122.0 100.7 151.1
129 85.9 68.3 102.5
131 83.5 66.8 100.2





#65

Chlorobenzene

Concen: 67.074 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

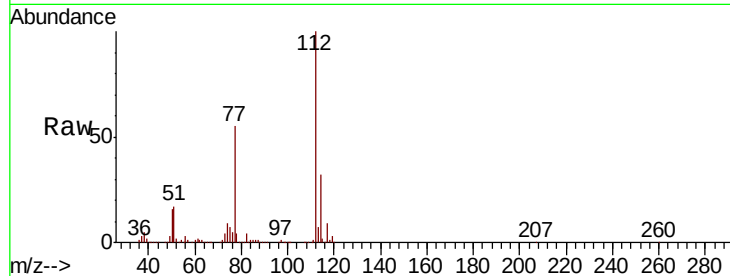
PT-VOA-SOILDL

Tot Ion:112 Resp: 719988

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.52

400000

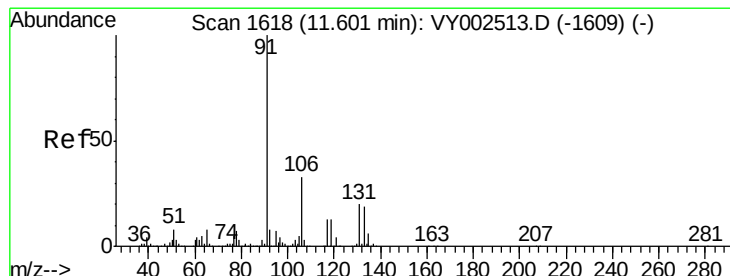
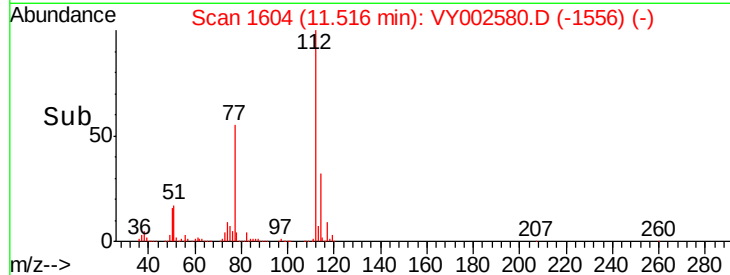
300000

200000

100000

0

Time--> 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 38.471 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

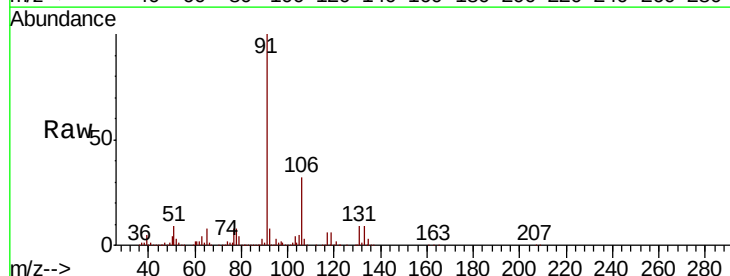
Tgt Ion:131 Resp: 153290

Ion Ratio Lower Upper

131 100

133 96.9 48.1 144.4

119 64.6 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

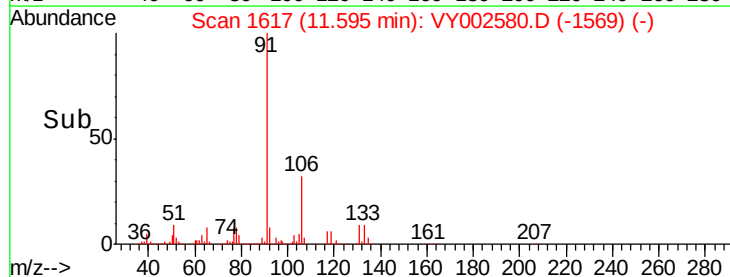
150000

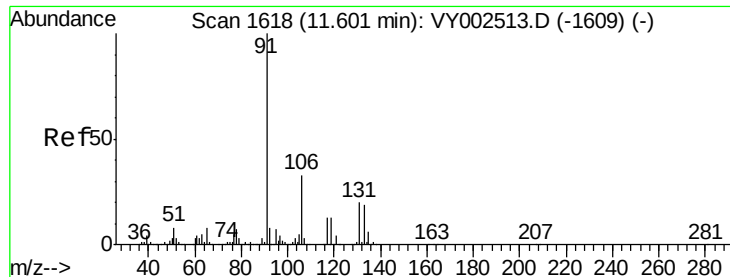
100000

50000

0

Time--> 11.50 11.60





#67

Ethyl Benzene

Concen: 79.890 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

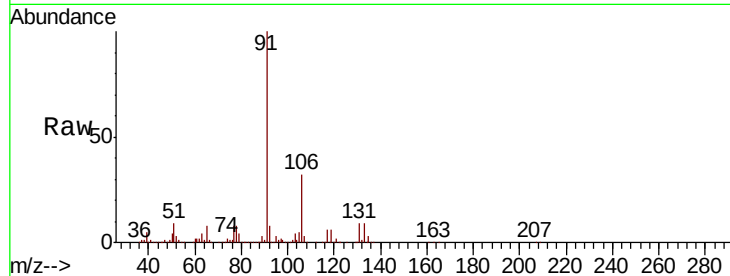
PT-VOA-SOILD

Tot Ion: 91 Resp: 1506363

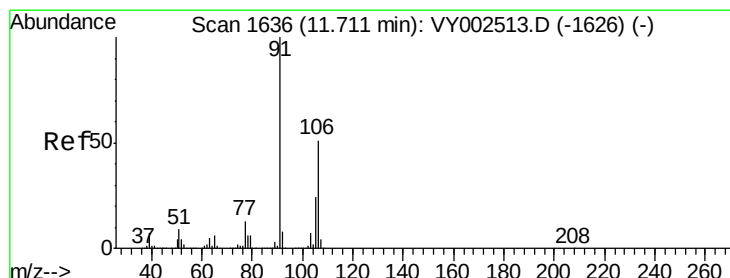
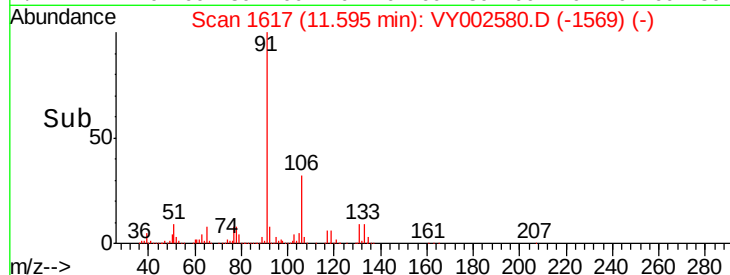
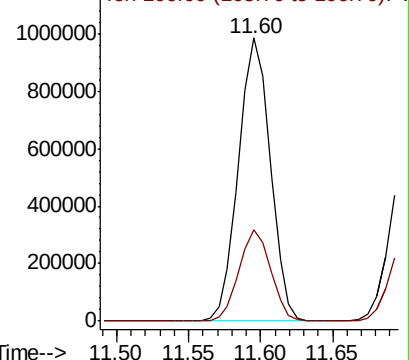
Ion Ratio Lower Upper

91 100

106 32.1 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1609) (-)



#68

m/p-Xylenes

Concen: 92.579 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002580.D

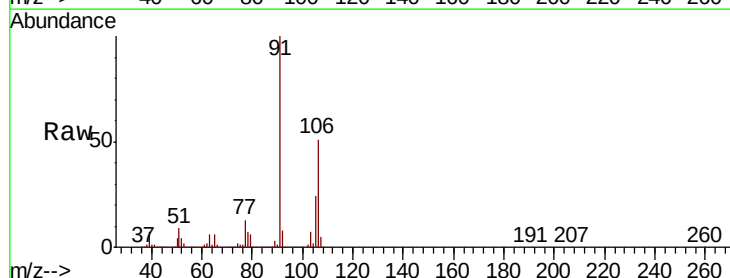
Acq: 05 May 2020 12:53

Tgt Ion: 106 Resp: 675417

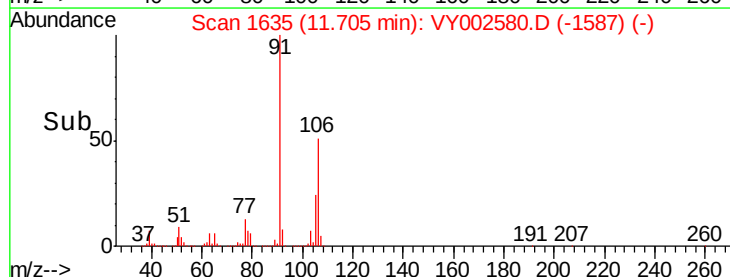
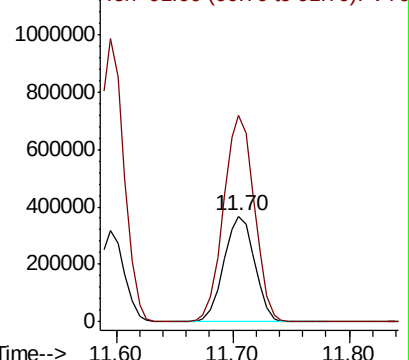
Ion Ratio Lower Upper

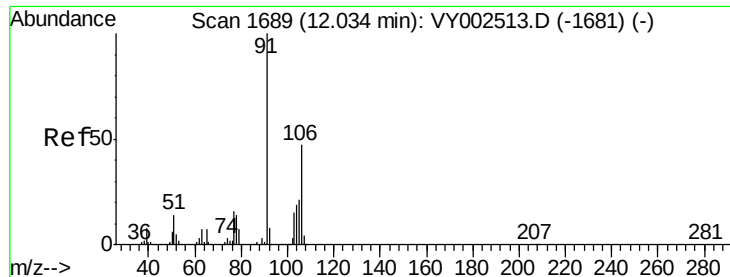
106 100

91 196.1 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): VY002513.D (-1626) (-)

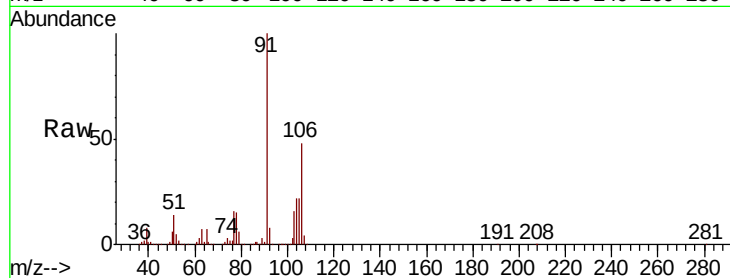




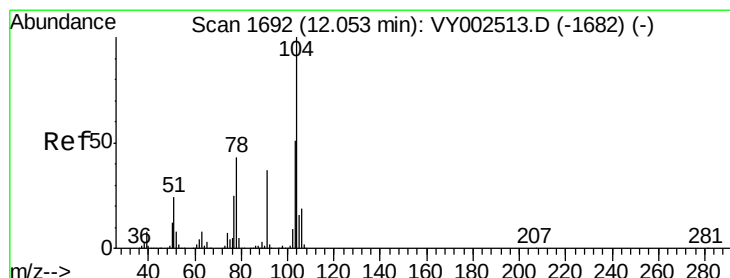
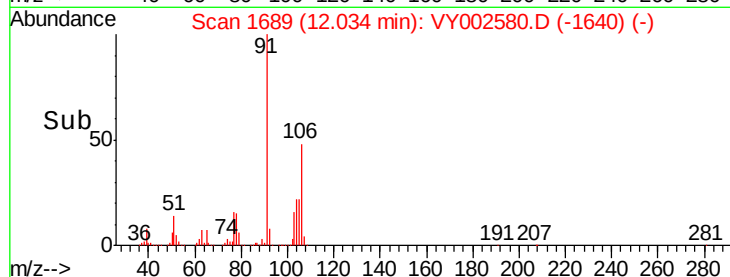
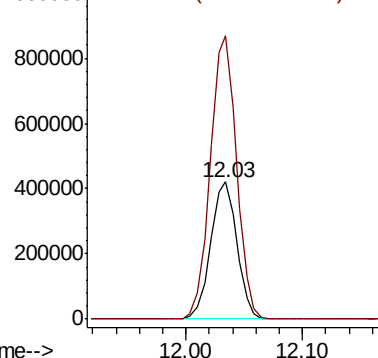
#69
o-Xylene
Concen: 96.795 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

Tot Ion:106 Resp: 661204
Ion Ratio Lower Upper
106 100
91 206.0 103.8 311.3

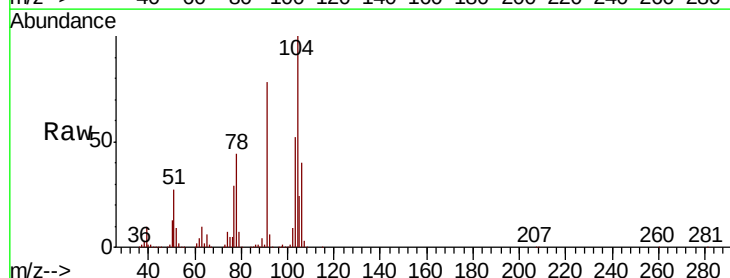


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

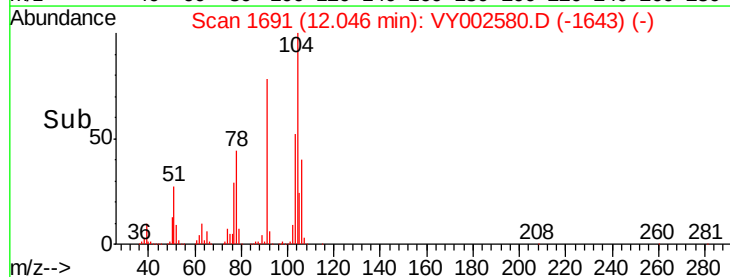
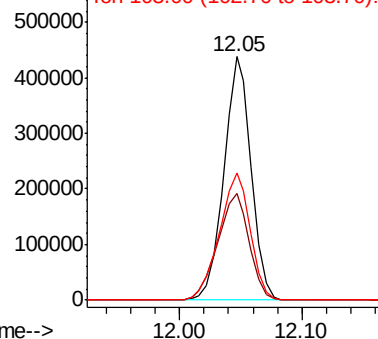


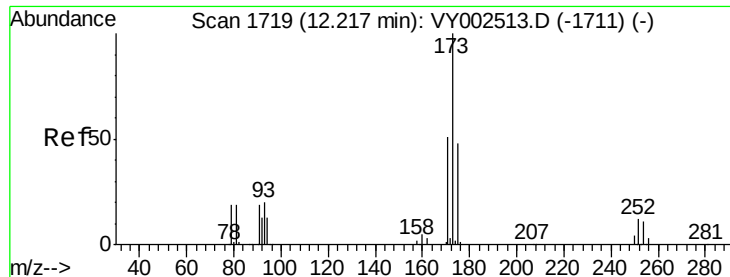
#70
Styrene
Concen: 58.029 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

Tgt Ion:104 Resp: 677644
Ion Ratio Lower Upper
104 100
78 50.6 37.4 56.0
103 59.0 43.9 65.9



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

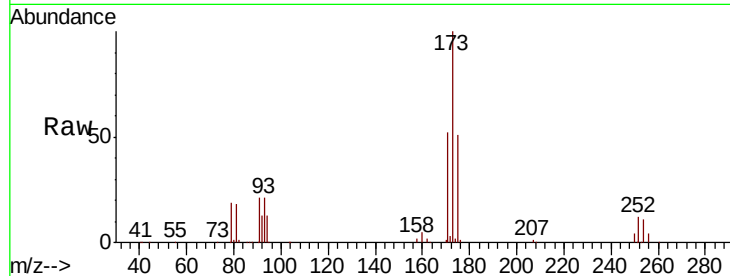




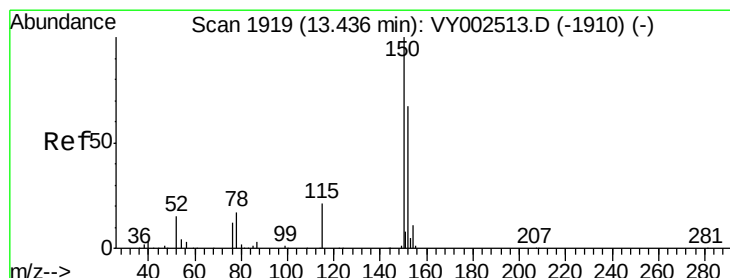
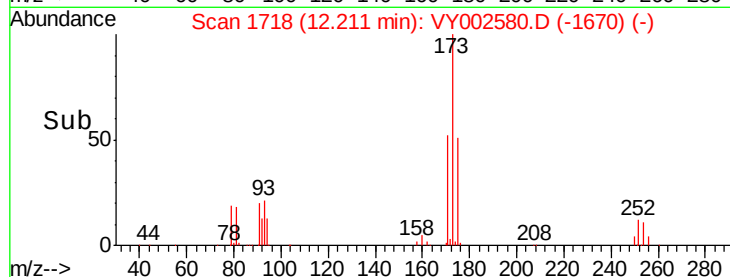
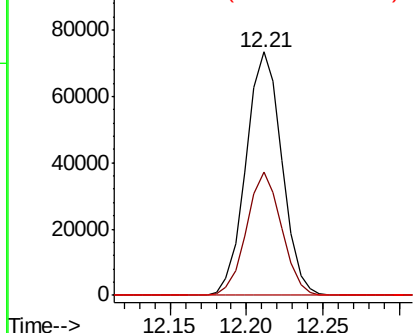
#71
Bromoform
Concen: 48.365 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

Instrument :
MSVOA_Y
ClientSampleId :
PT-VOA-SOILDL

Tot Ion:173 Resp: 119613
Ion Ratio Lower Upper
173 100
175 49.4 24.3 72.8
254 0.1 0.2 0.2#

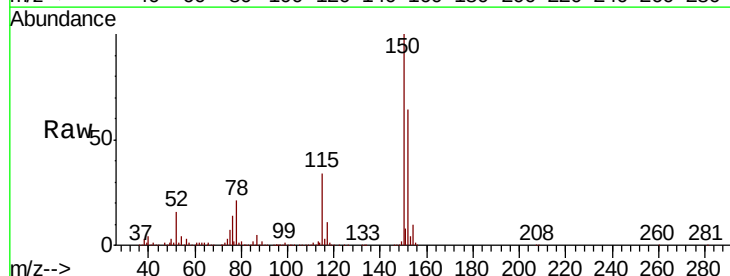


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

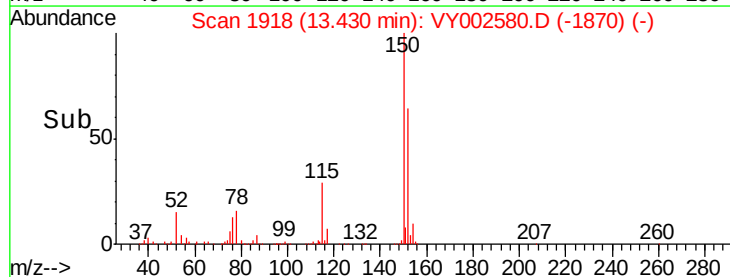
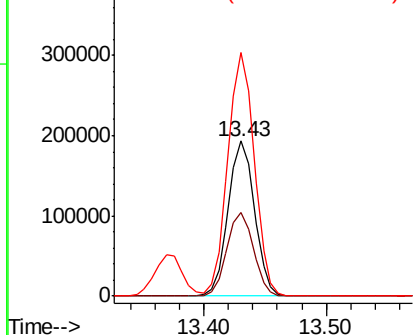


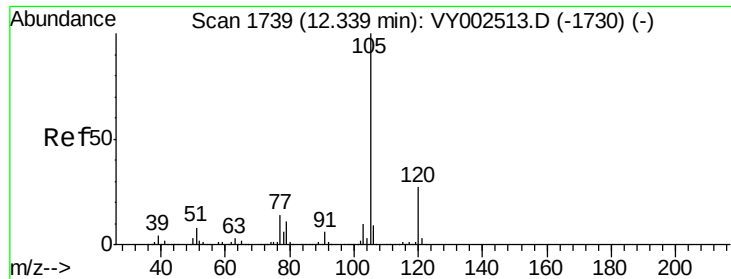
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002580.D
Acq: 05 May 2020 12:53

Tgt Ion:152 Resp: 287936
Ion Ratio Lower Upper
152 100
115 54.7 27.5 82.4
150 157.3 0.0 346.4



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





#73

Isopropylbenzene

Concen: 84.636 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

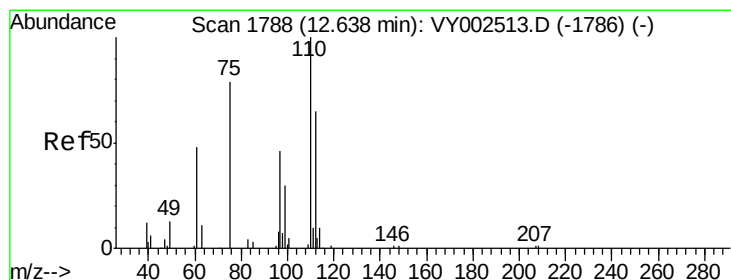
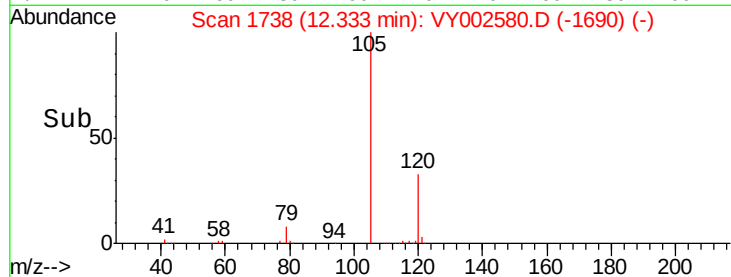
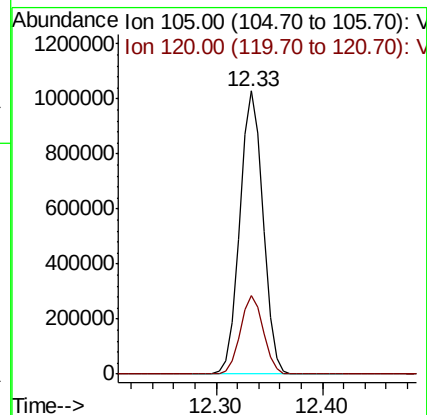
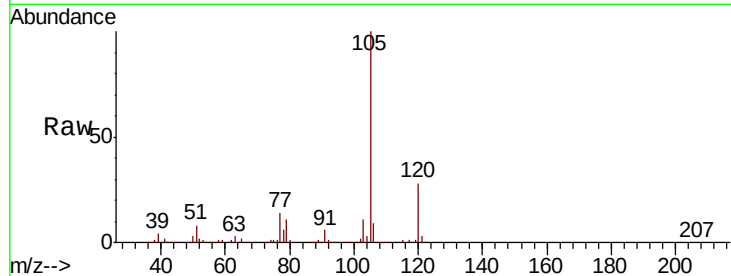
PT-VOA-SOILD

Tot Ion:105 Resp: 1579400

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



#76

1,2,3-Trichloropropane

Concen: 17.798 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY002580.D

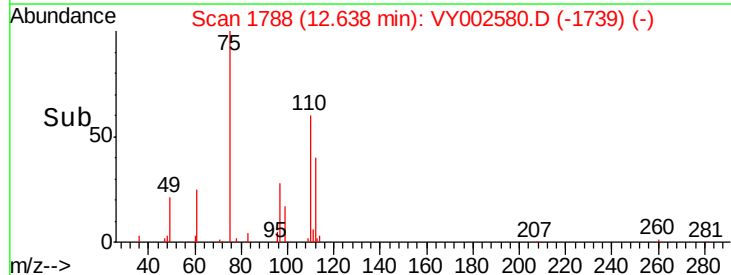
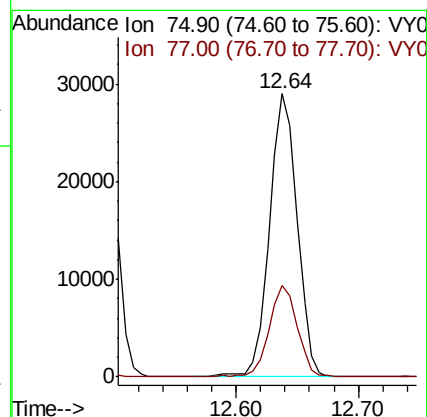
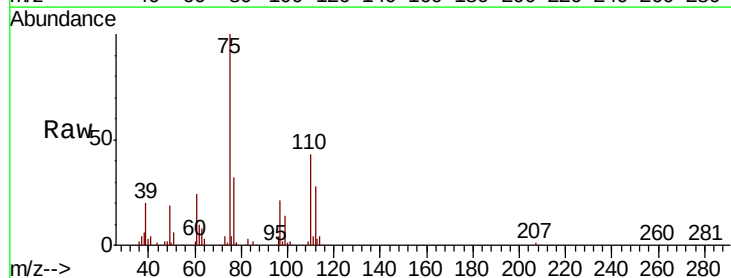
Acq: 05 May 2020 12:53

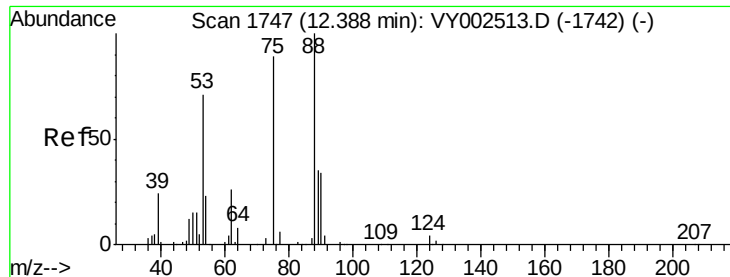
Tgt Ion: 75 Resp: 45542

Ion Ratio Lower Upper

75 100

77 33.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 12.756 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.05 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

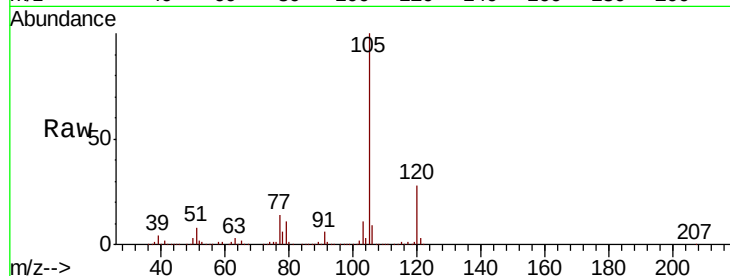
Tot Ion: 75 Resp: 16278

Ion Ratio Lower Upper

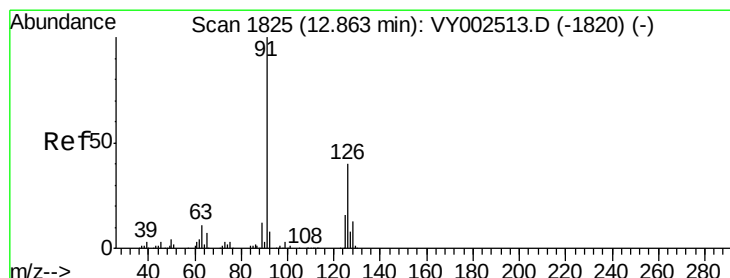
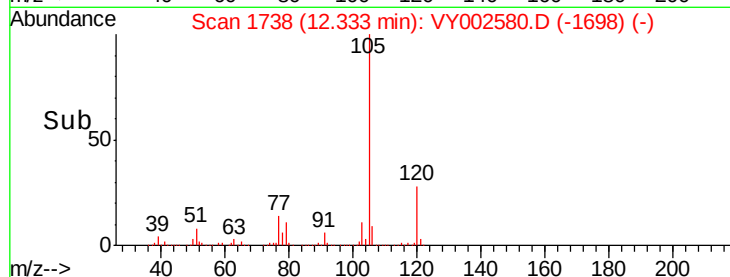
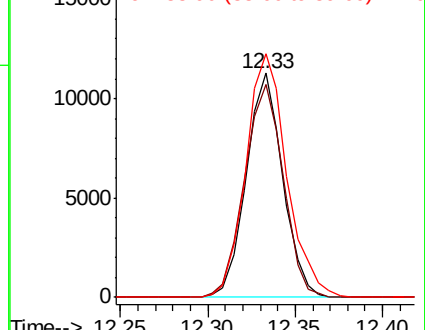
75 100

53 101.1 67.4 101.0#

89 122.3 37.4 56.0#



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



#82

4-Chlorotoluene

Concen: 9.431 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. 0.26 min

Lab File: VY002580.D

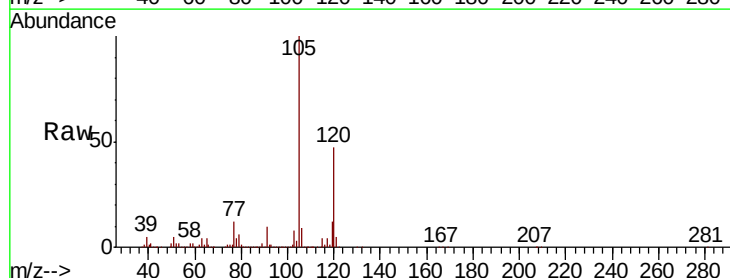
Acq: 05 May 2020 12:53

Tgt Ion: 91 Resp: 118841

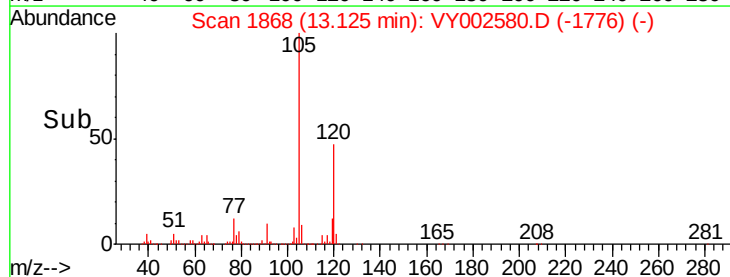
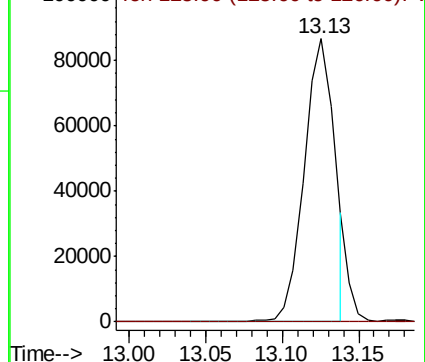
Ion Ratio Lower Upper

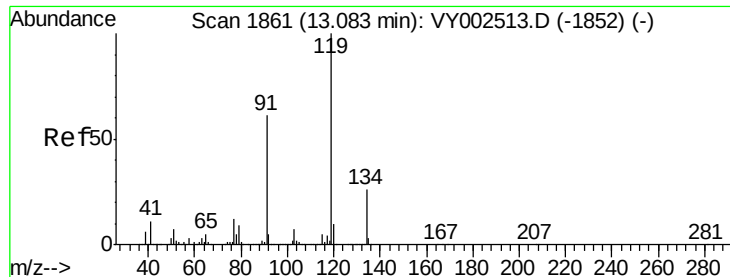
91 100

126 0.0 18.5 55.5#



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

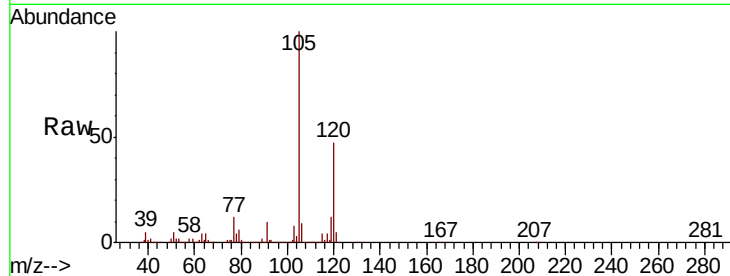




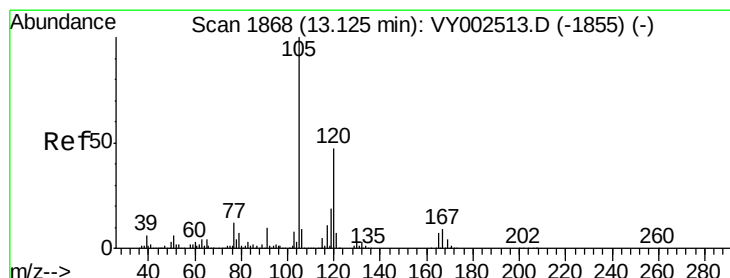
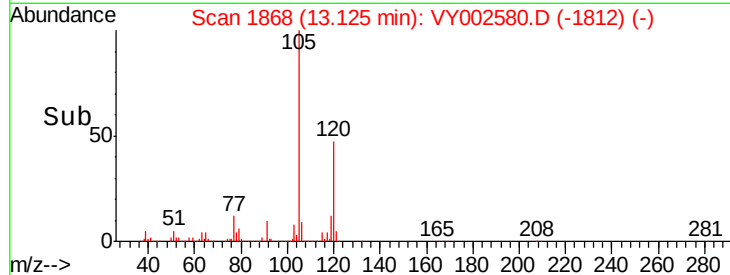
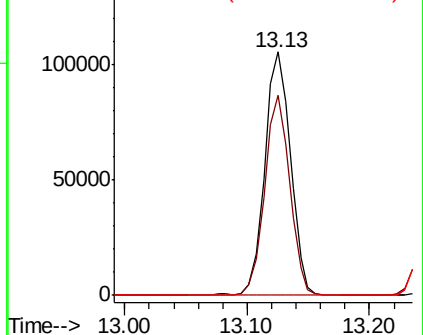
#83
 tert-Butylbenzene
 Concen: 11.431 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.04 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

Tot Ion:119 Resp: 155043
 Ion Ratio Lower Upper
 119 100
 91 80.3 30.6 91.6
 134 0.0 13.5 40.4#

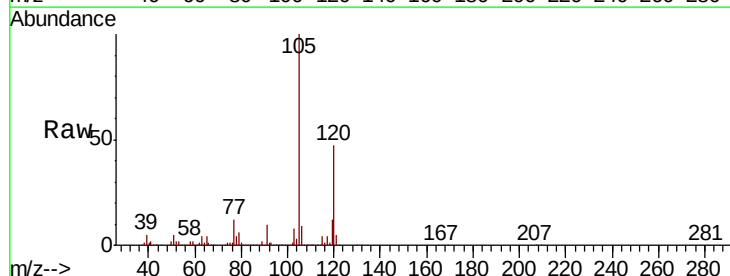


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VY0
 Ion 134.00 (133.70 to 134.70): V

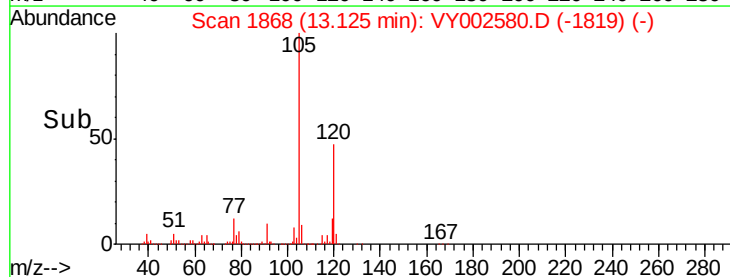
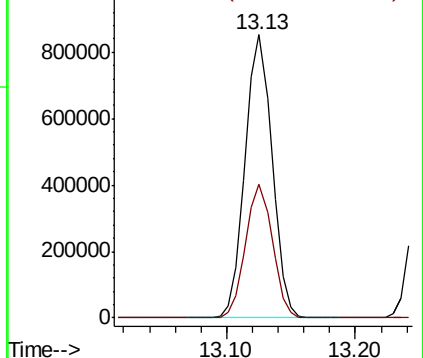


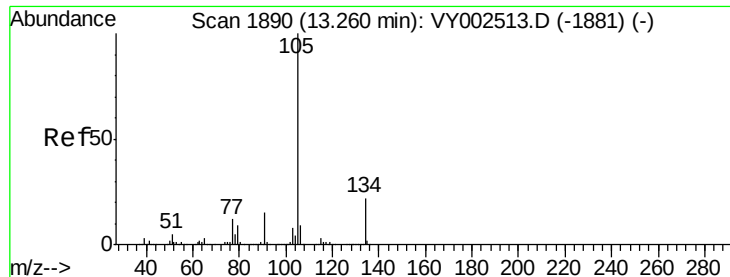
#84
 1,2,4-Trimethylbenzene
 Concen: 79.938 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

Tgt Ion:105 Resp: 1232337
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 75.144 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

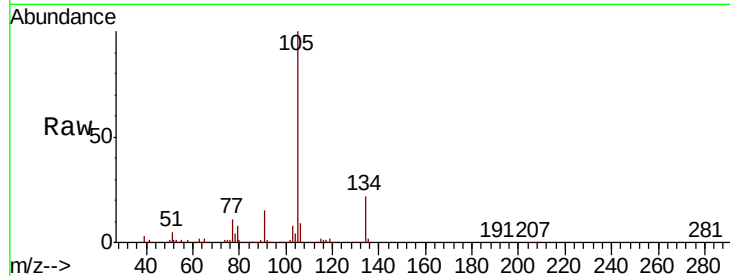
PT-VOA-SOILDL

Tot Ion:105 Resp: 1414250

Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

1000000

800000

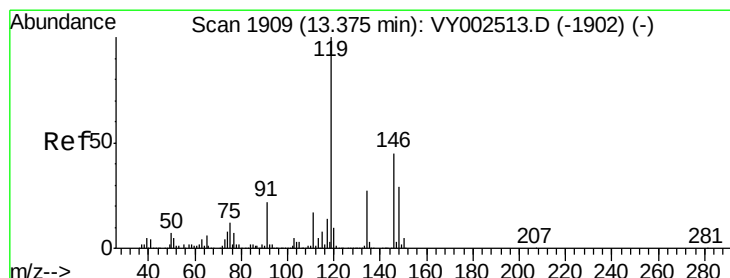
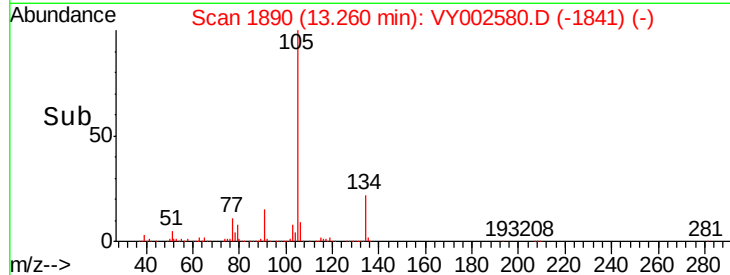
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 1.231 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.12 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

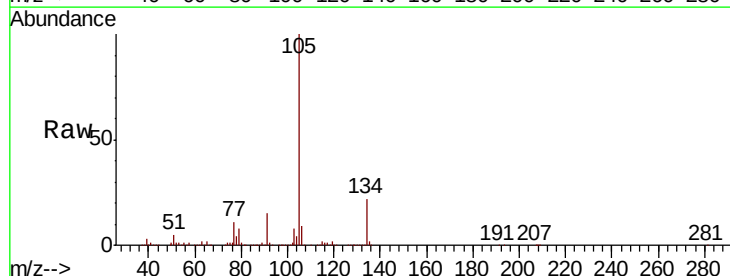
Tgt Ion:119 Resp: 21708

Ion Ratio Lower Upper

119 100

134 1379.1 13.5 40.5#

91 977.4 10.9 32.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

250000

200000

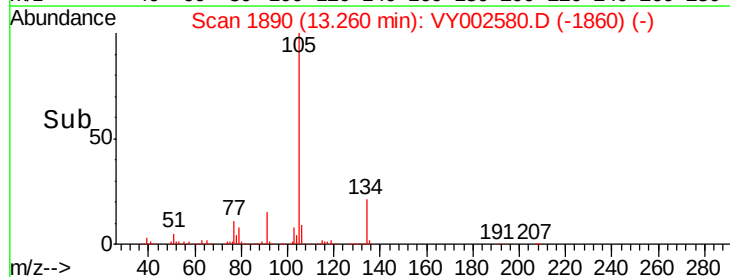
150000

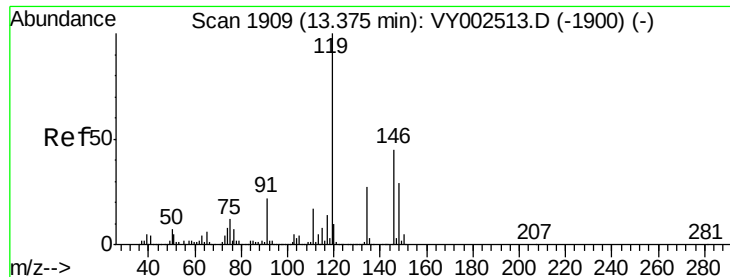
100000

50000

0

Time-->

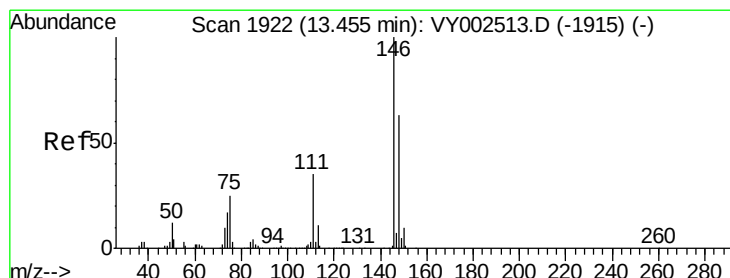
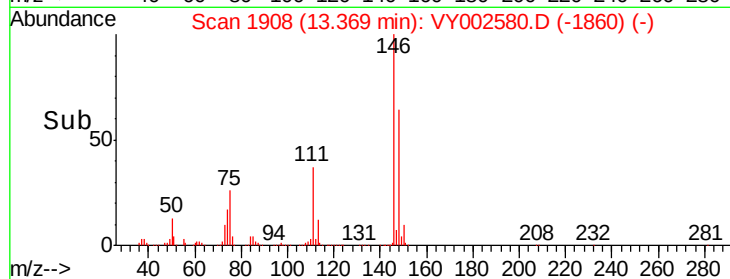
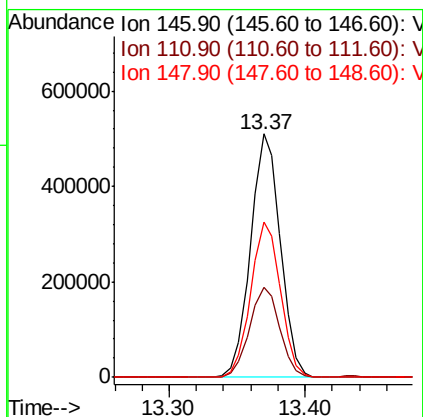
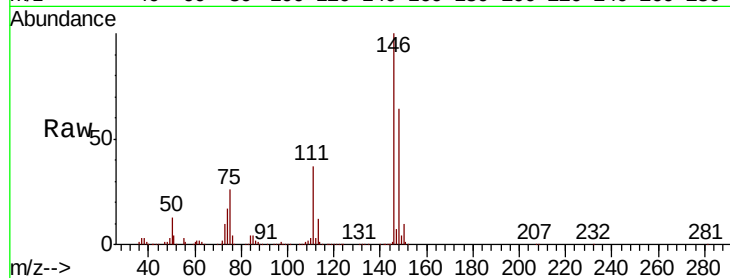




#87
 1,3-Dichlorobenzene
 Concen: 88.845 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

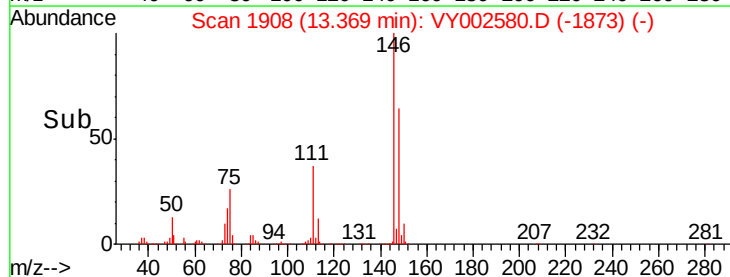
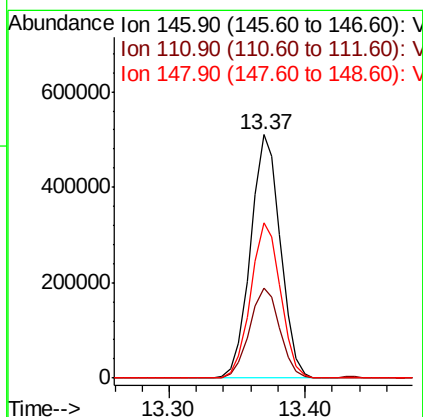
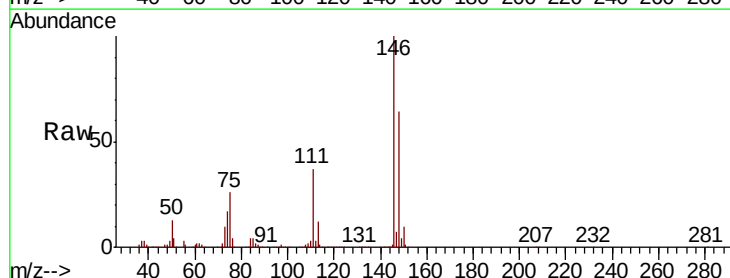
Instrument :
 MSVOA_Y
 ClientSampleId :
 PT-VOA-SOILDL

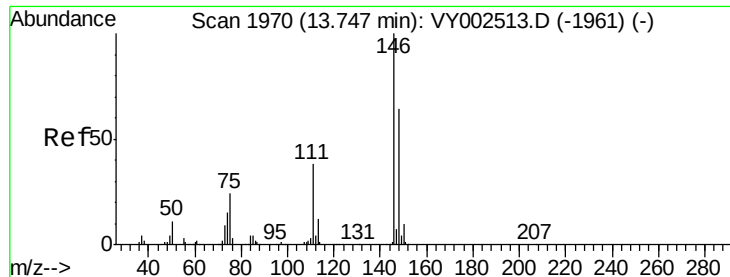
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	63.7	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 89.724 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.09 min
 Lab File: VY002580.D
 Acq: 05 May 2020 12:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	63.7	31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 88.333 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

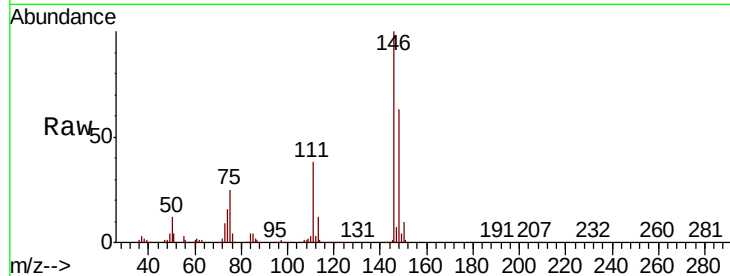
Tot Ion:146 Resp: 695515

Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.5

148 63.6 31.9 95.7

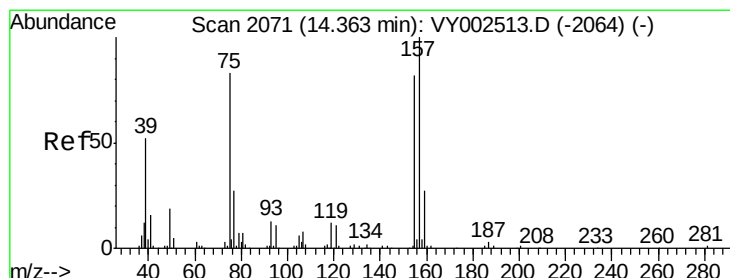
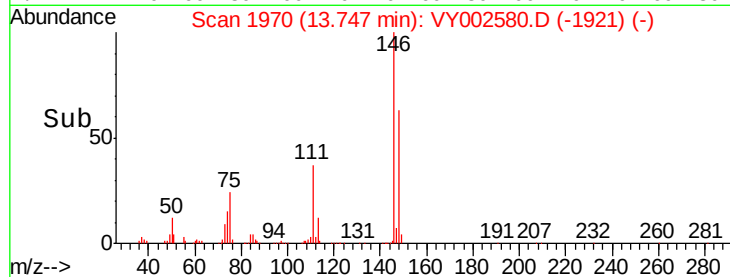
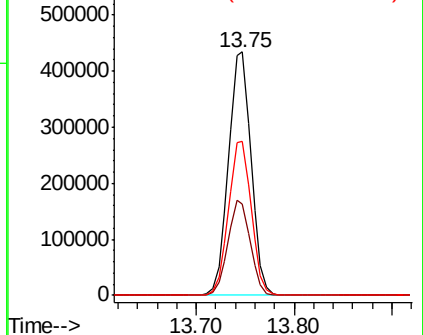


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 70.383 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

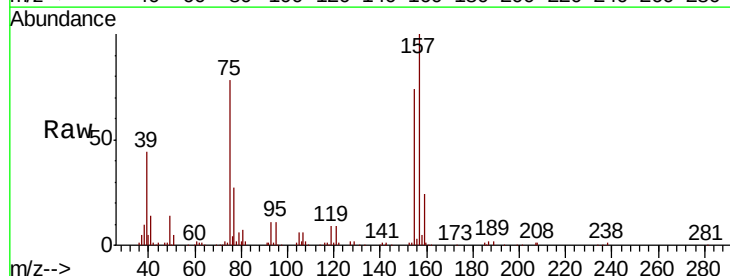
Tgt Ion: 75 Resp: 38937

Ion Ratio Lower Upper

75 100

155 101.5 51.3 153.9

157 130.2 65.0 195.0

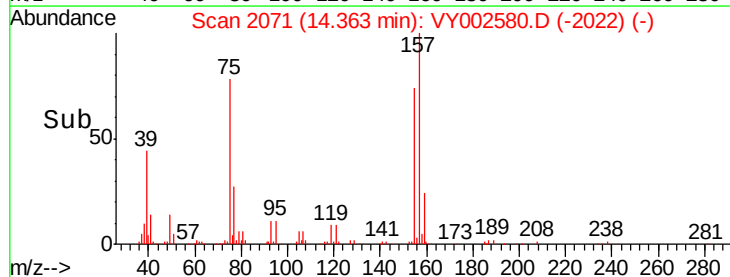
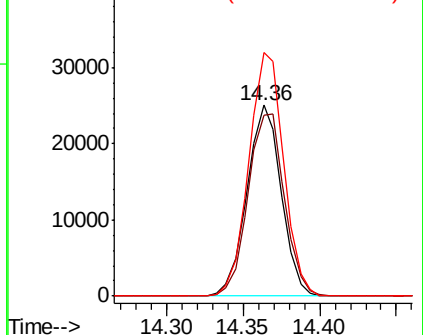


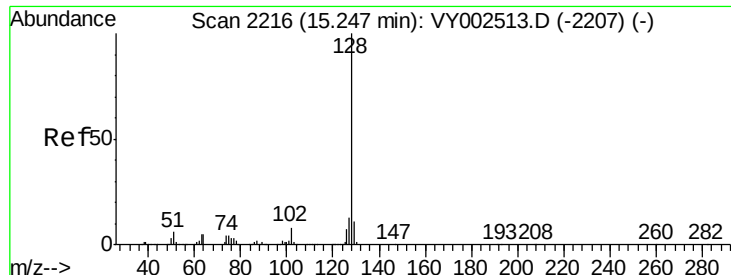
Abundance

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





#95

Naphthalene

Concen: 80.174 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002580.D

Acq: 05 May 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PT-VOA-SOILDL

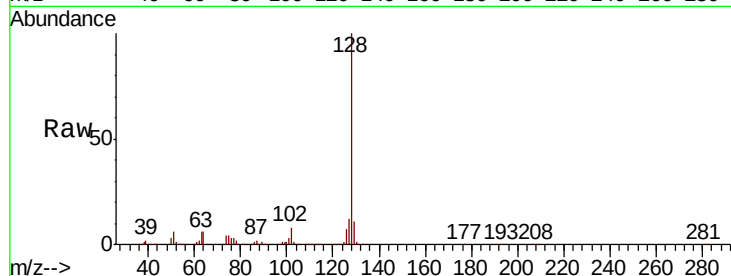
Tot Ion:128 Resp: 836074

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.9 8.8 13.2



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

