

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012632.D
 Acq On : 16 Feb 2023 12:52
 Operator : KP/MD
 Sample : 01559-02
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW10-GW-783-785

Quant Time: Feb 16 21:58:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

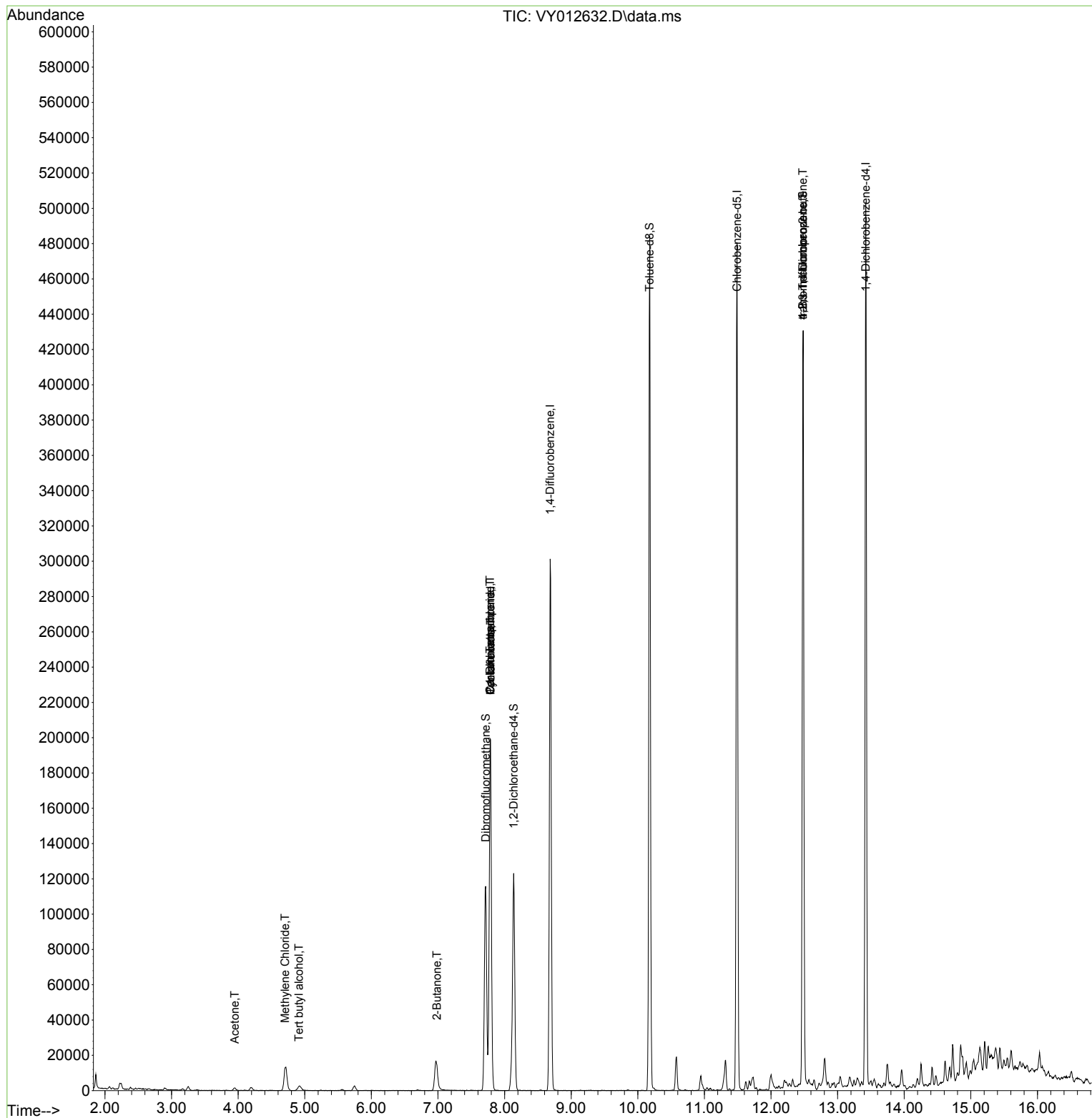
Internal Standards						
1) Pentafluorobenzene	7.789	168	161340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	267755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	271153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	94343	45.984	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.960%
35) Dibromofluoromethane	7.716	113	79767	40.907	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.820%
50) Toluene-d8	10.179	98	317101	39.070	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.140%
62) 4-Bromofluorobenzene	12.477	95	113430	40.067	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	52	Below Cal	#	41
5) Bromomethane	2.668	94	176	Below Cal	#	59
11) Tert butyl alcohol	4.911	59	2798	5.254	ug/l #	75
16) Acetone	3.948	43	2649	5.365	ug/l	94
20) Methylene Chloride	4.704	84	11508	2.208	ug/l	90
25) 2-Butanone	6.984	43	1180	2.154	ug/l	94
31) Cyclohexane	7.789	56	2665	1.123	ug/l #	42
36) 1,1-Dichloropropene	7.783	75	10307	3.906	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15663	4.421	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	61838	41.171	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61838	92.843	ug/l #	12

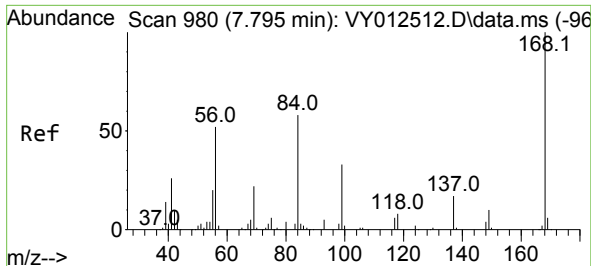
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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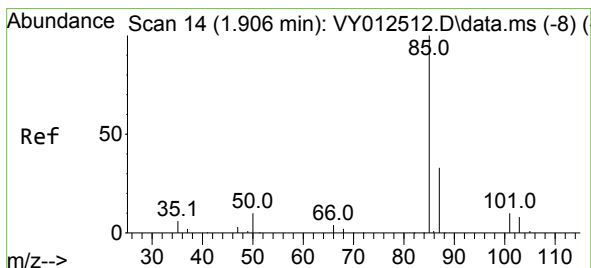
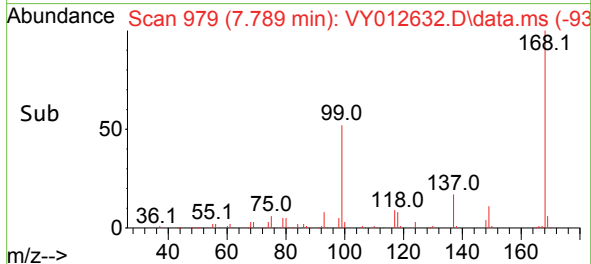
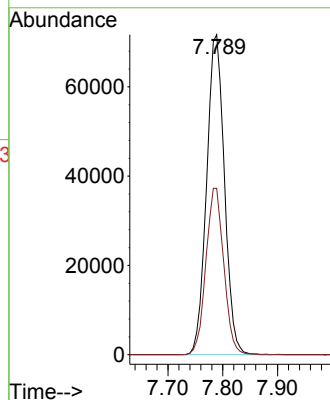
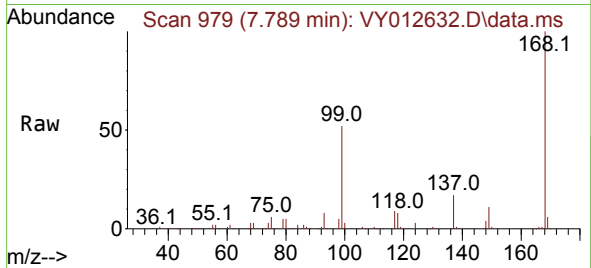




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

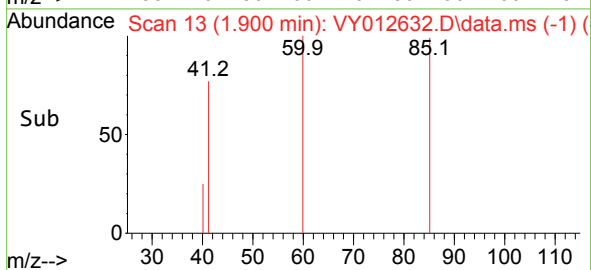
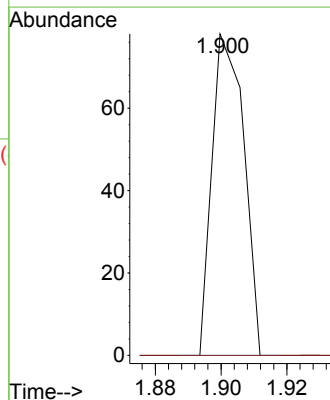
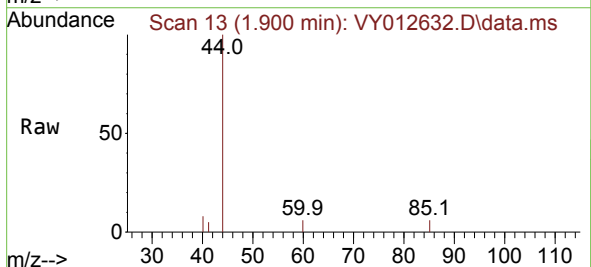
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-783-785

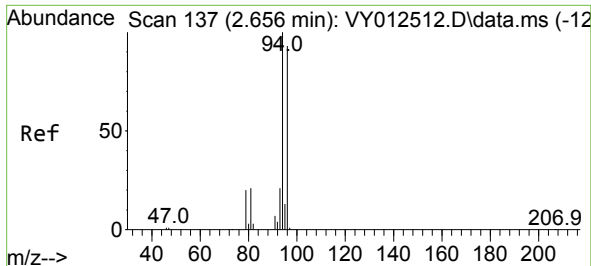
Tgt Ion:168 Resp: 161340
Ion Ratio Lower Upper
168 100
99 52.0 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

Tgt Ion: 85 Resp: 52
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

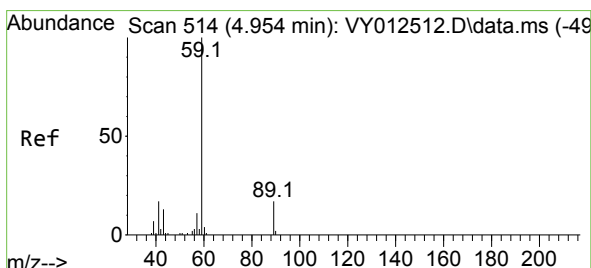
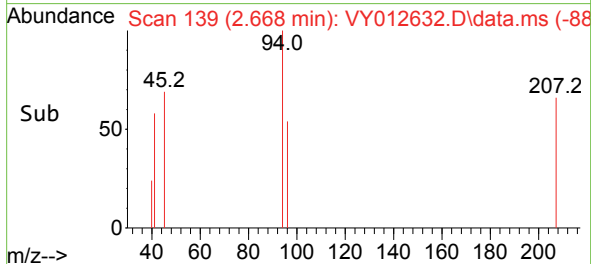
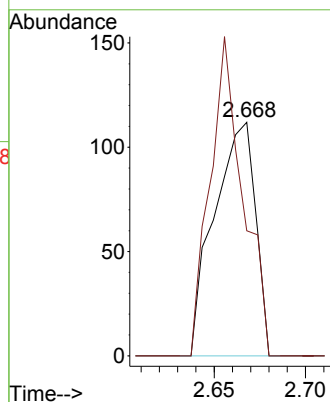
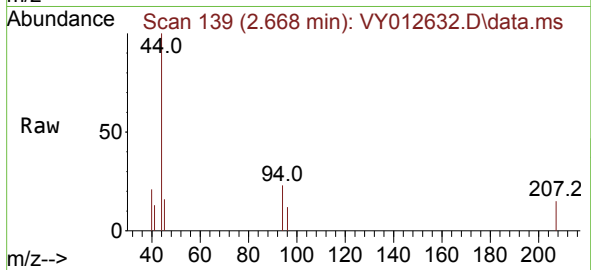




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

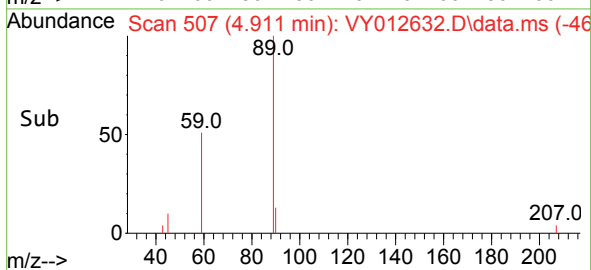
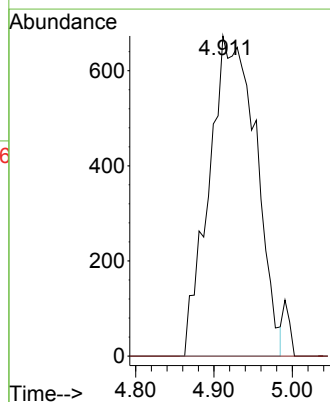
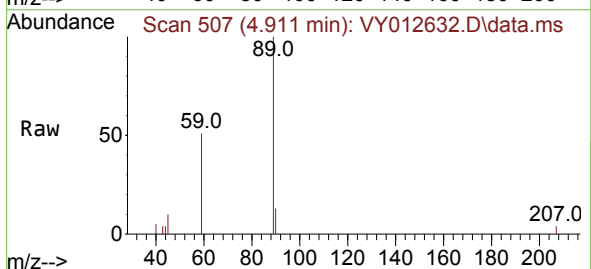
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-783-785

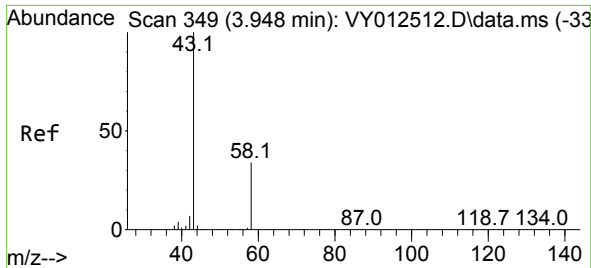
Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 53.6 74.7 112.1#



#11
Tert butyl alcohol
Concen: 5.254 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

Tgt Ion: 59 Resp: 2798
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 5.365 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

Instrument :

MSVOA_Y

ClientSampleId :

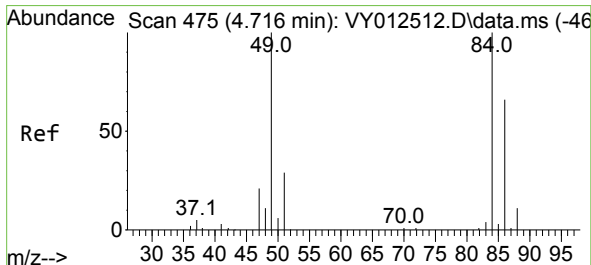
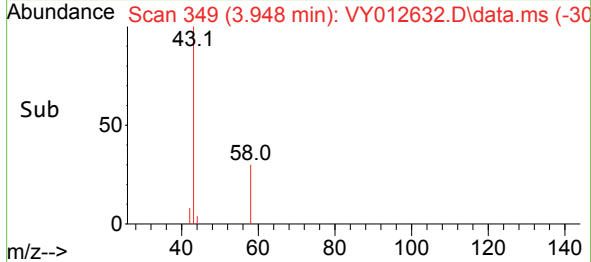
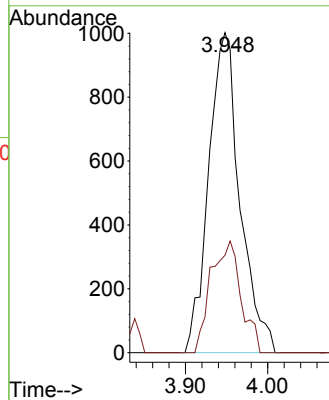
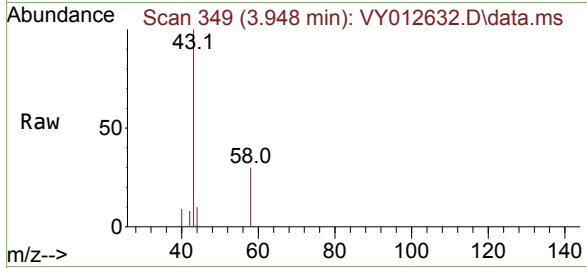
BP-VPB-RW10-GW-783-785

Tgt Ion: 43 Resp: 2649

Ion Ratio Lower Upper

43 100

58 30.4 27.1 40.7



#20

Methylene Chloride

Concen: 2.208 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

Tgt Ion: 84 Resp: 11508

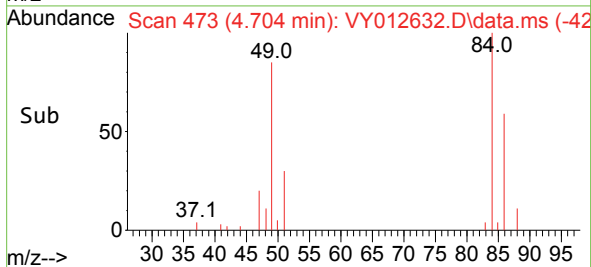
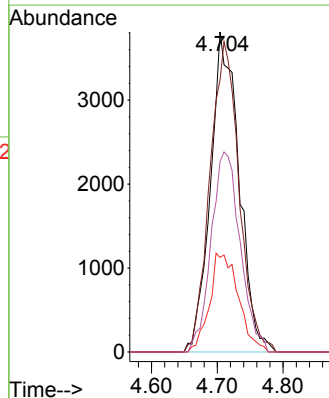
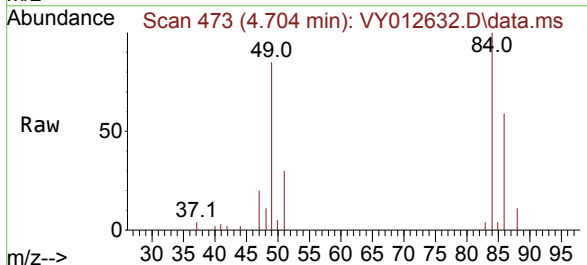
Ion Ratio Lower Upper

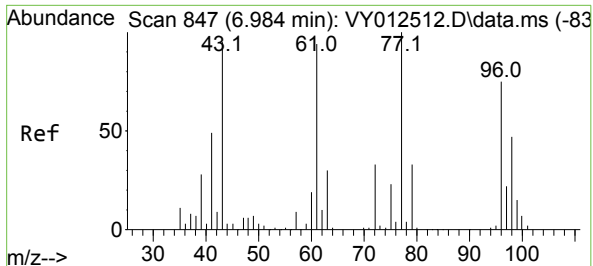
84 100

49 85.0 79.8 119.6

51 29.5 23.4 35.2

86 59.5 52.5 78.7





#25

2-Butanone

Concen: 2.154 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

Instrument :

MSVOA_Y

ClientSampleId :

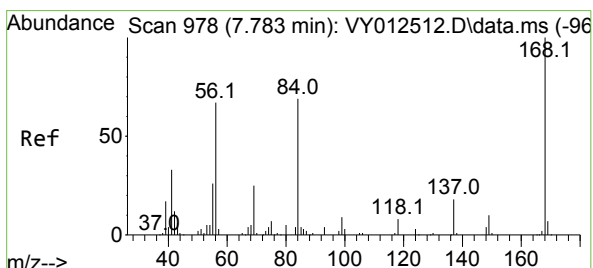
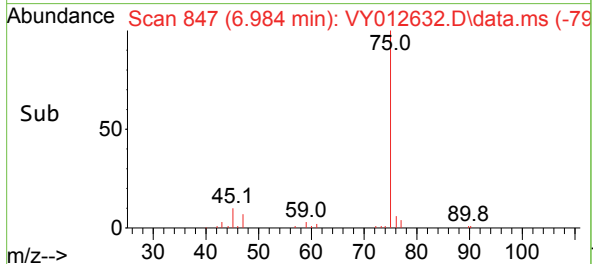
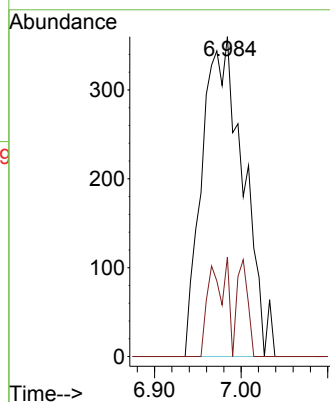
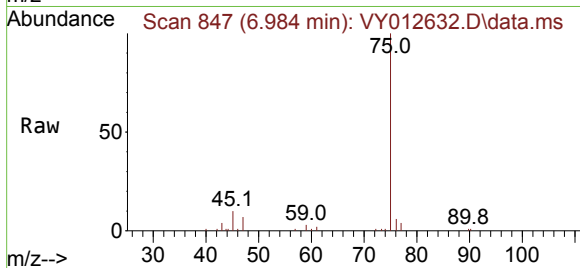
BP-VPB-RW10-GW-783-785

Tgt Ion: 43 Resp: 1180

Ion Ratio Lower Upper

43 100

72 31.1 27.4 41.2



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

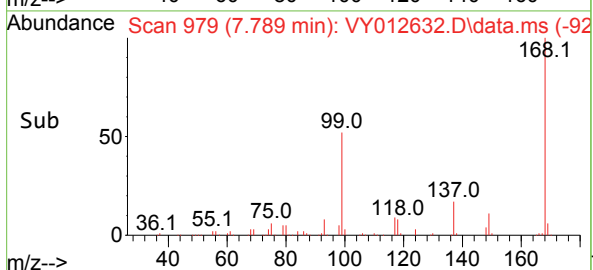
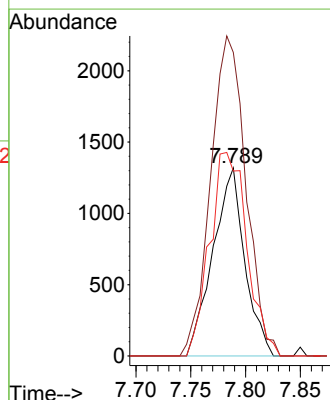
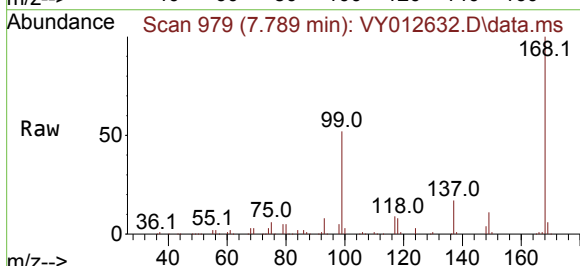
Tgt Ion: 56 Resp: 2665

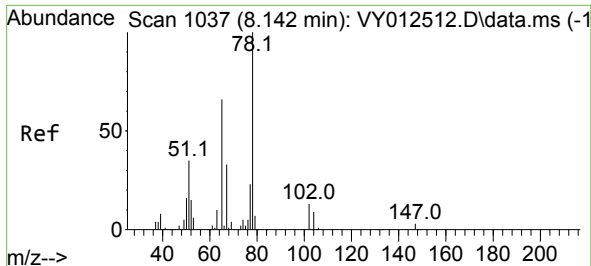
Ion Ratio Lower Upper

56 100

69 161.5 29.5 44.3#

84 98.4 81.9 122.9

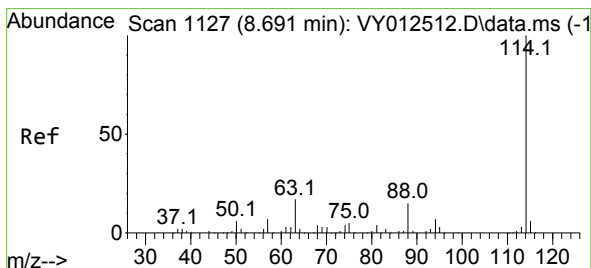
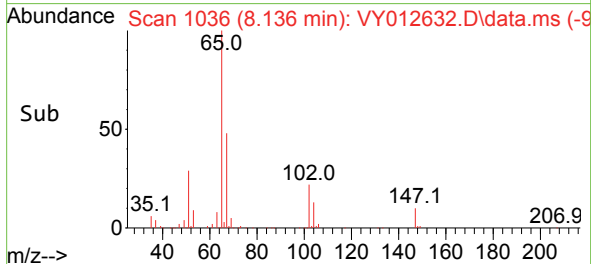
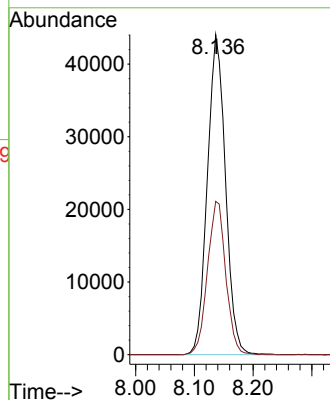
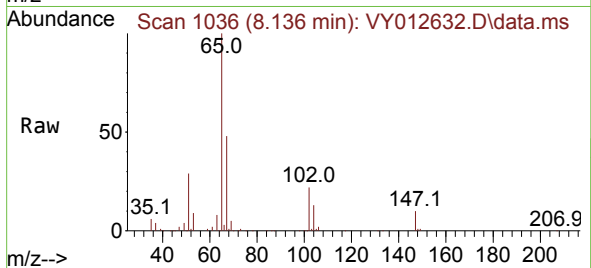




#33
 1,2-Dichloroethane-d4
 Concen: 45.984 ug/l
 RT: 8.136 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: VY012632.D
 Acq: 16 Feb 2023 12:52

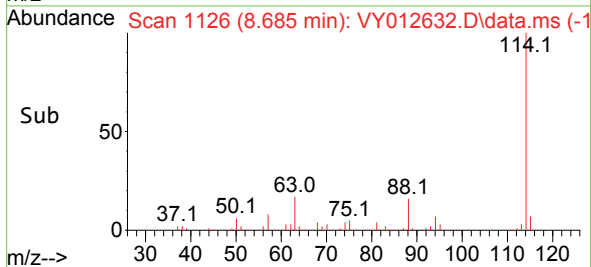
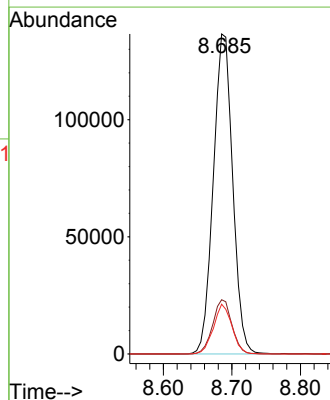
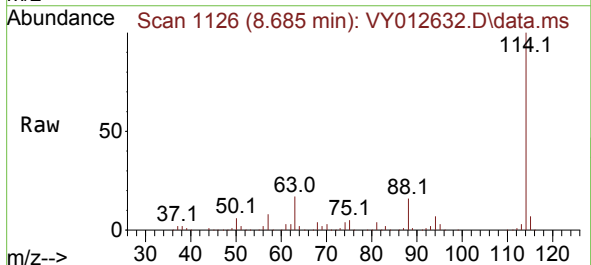
Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW10-GW-783-785

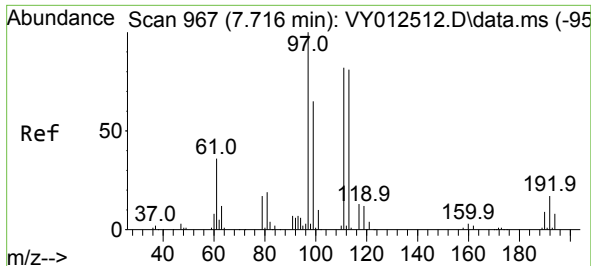
Tgt Ion: 65 Resp: 94343
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY012632.D
 Acq: 16 Feb 2023 12:52

Tgt Ion:114 Resp: 267755
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 33.6
 88 15.6 0.0 29.8

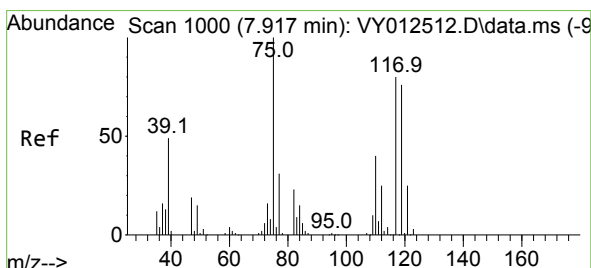
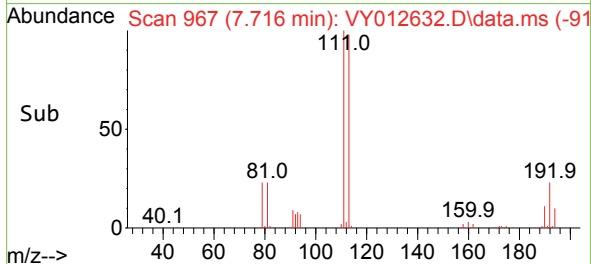
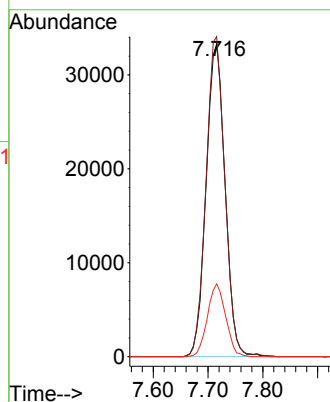
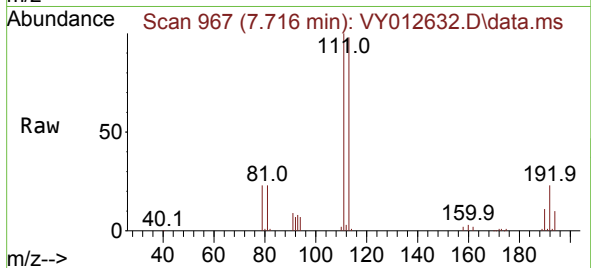




#35
Dibromofluoromethane
Concen: 40.907 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

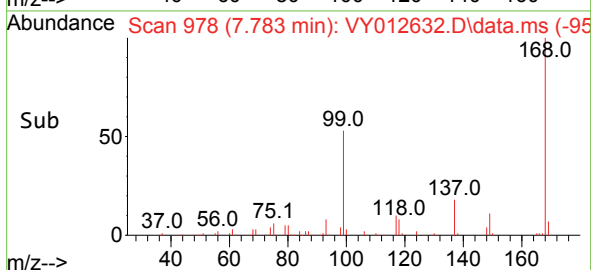
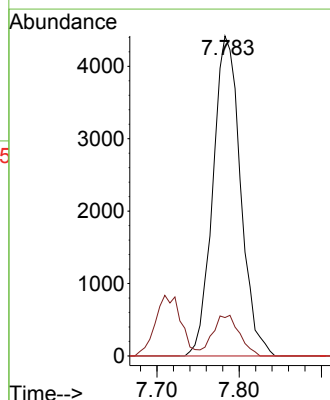
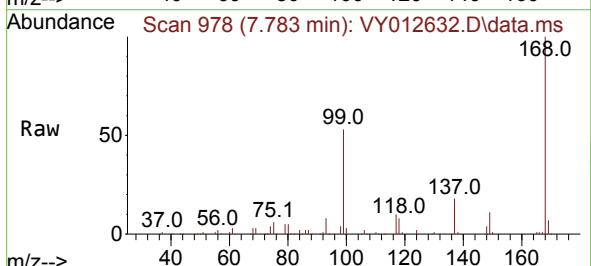
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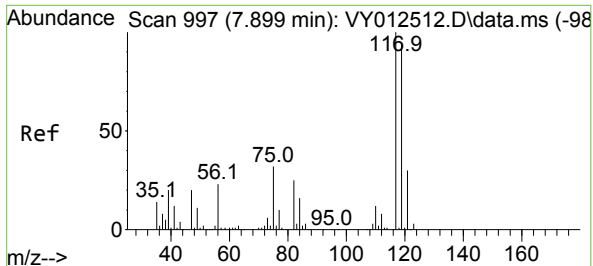
Tgt Ion:113 Resp: 79767
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 22.4 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.906 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

Tgt Ion: 75 Resp: 10307
Ion Ratio Lower Upper
75 100
110 12.2 19.5 58.5#
77 0.0 24.9 37.3#

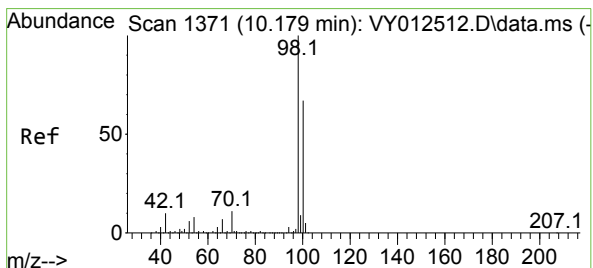
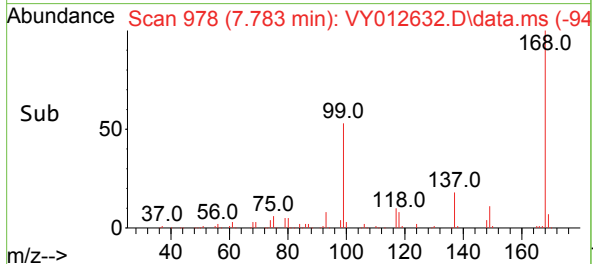
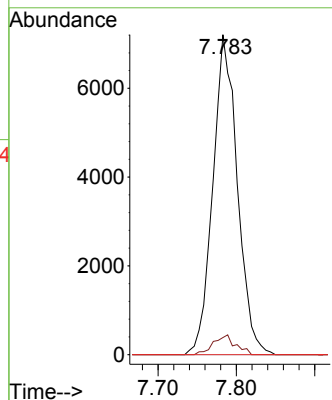
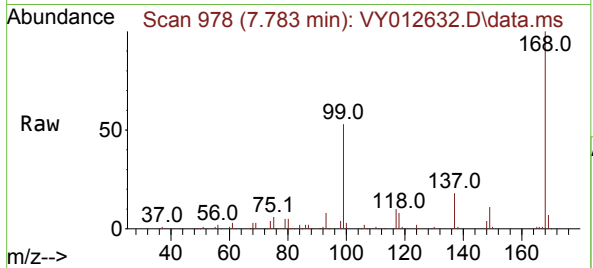




#38
Carbon Tetrachloride
Concen: 4.421 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

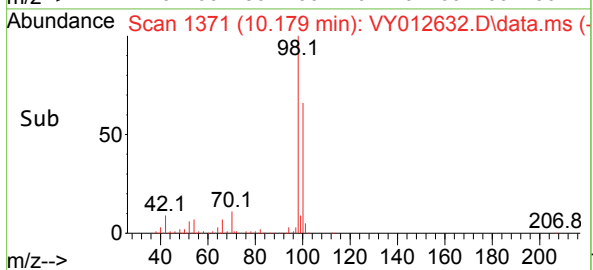
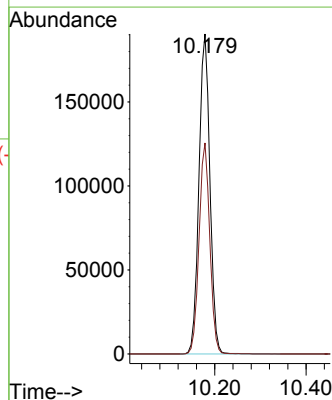
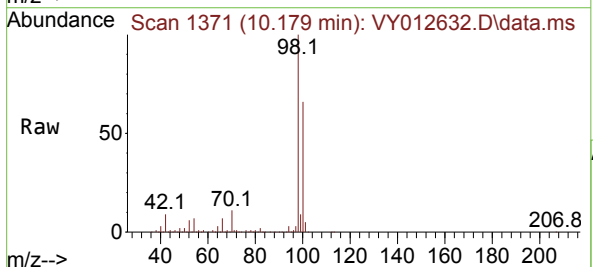
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-783-785

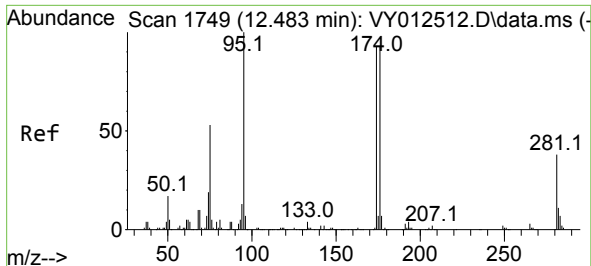
Tgt Ion:117 Resp: 15663
Ion Ratio Lower Upper
117 100
119 5.3 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 39.070 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

Tgt Ion: 98 Resp: 317101
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

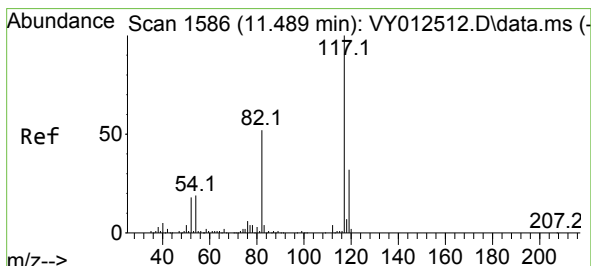
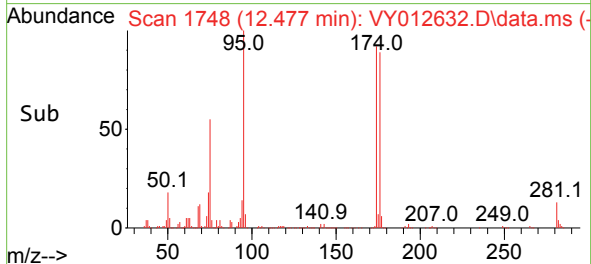
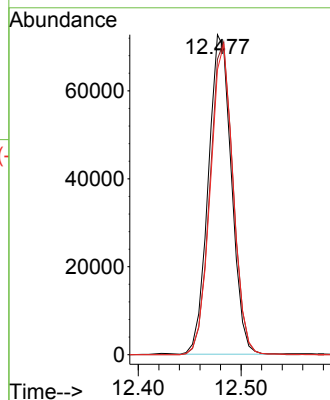
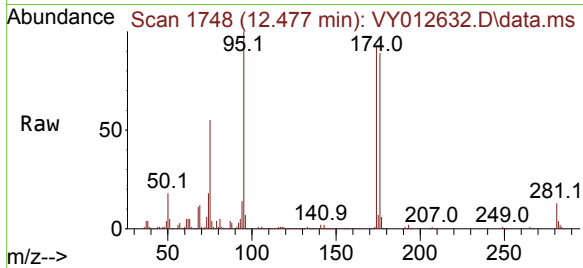




#62
4-Bromofluorobenzene
Concen: 40.067 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

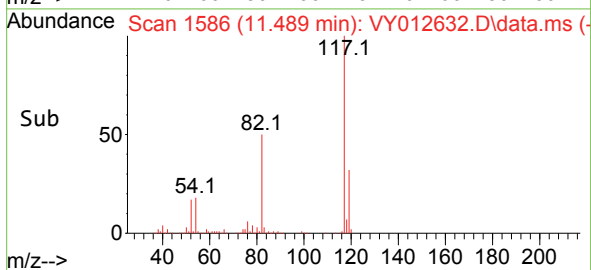
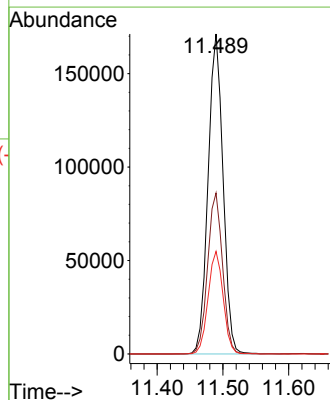
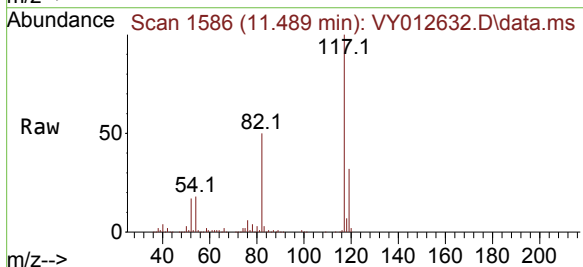
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-783-785

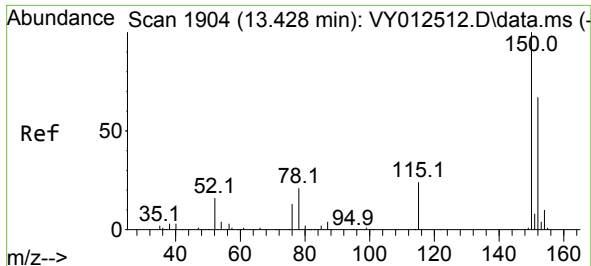
Tgt Ion:	95	Resp:	113430
Ion	Ratio	Lower	Upper
95	100		
174	97.3	0.0	188.0
176	95.5	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

Tgt Ion:	117	Resp:	271153
Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.7	62.5
119	32.1	25.8	38.8

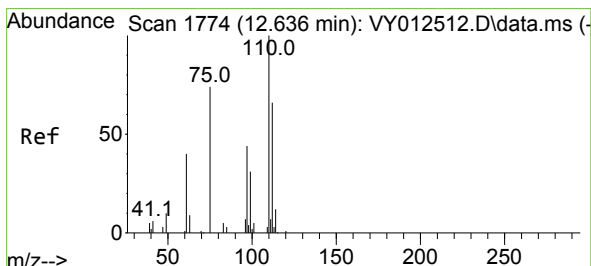
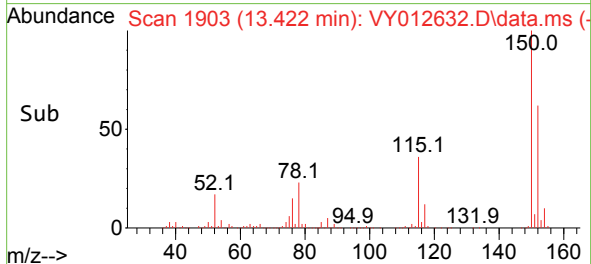
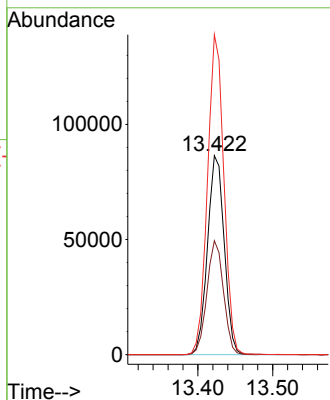
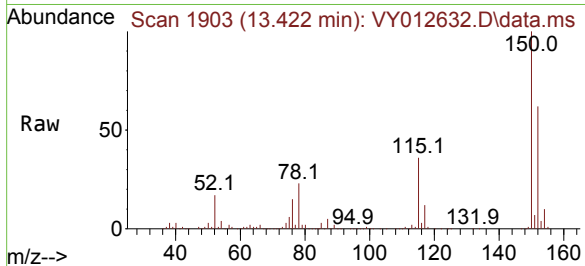




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY012632.D
 Acq: 16 Feb 2023 12:52

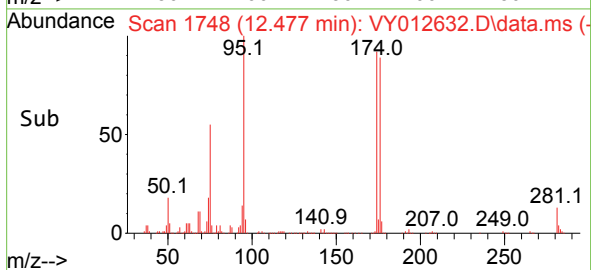
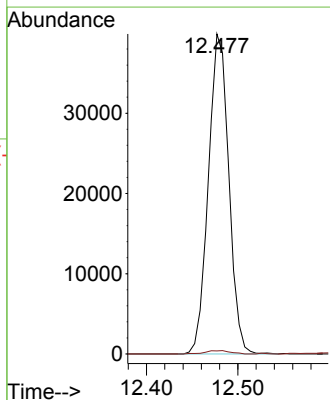
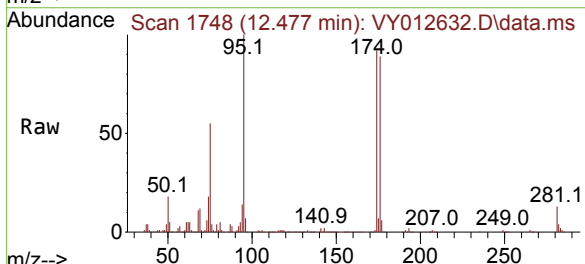
Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW10-GW-783-785

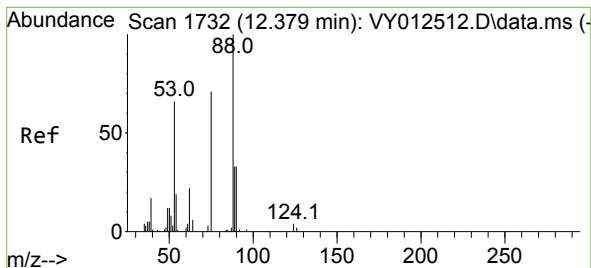
Tgt Ion:152 Resp: 134437
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.1 84.3
 150 157.5 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 41.171 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY012632.D
 Acq: 16 Feb 2023 12:52

Tgt Ion: 75 Resp: 61838
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 92.843 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY012632.D

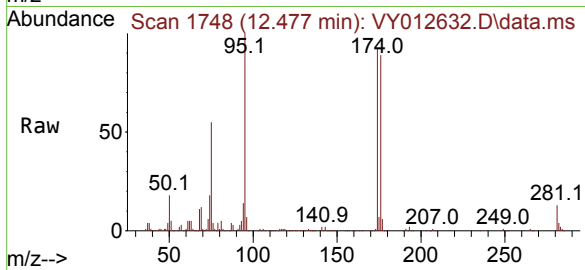
Acq: 16 Feb 2023 12:52

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW10-GW-783-785



Tgt Ion: 75 Resp: 61838

Ion Ratio Lower Upper

75 100

53 0.3 73.1 109.7#

89 0.2 39.9 59.9#

