

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012631.D
 Acq On : 16 Feb 2023 12:29
 Operator : KP/MD
 Sample : 01559-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW10-GW-743-745

Quant Time: Feb 16 21:58:14 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

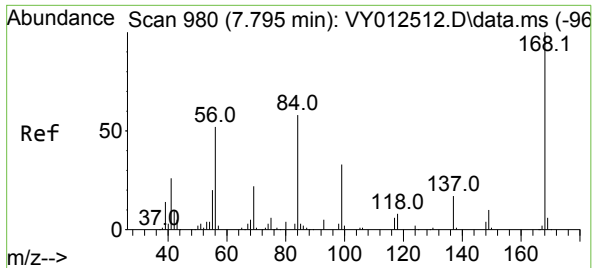
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	153315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	256908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	256594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	90939	46.645	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.300%
35) Dibromofluoromethane	7.716	113	76854	41.077	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.160%
50) Toluene-d8	10.179	98	303336	38.952	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.900%
62) 4-Bromofluorobenzene	12.477	95	106964	39.379	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.760%
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	199	Below Cal	#	68
11) Tert butyl alcohol	4.923	59	1475	Below Cal	#	75
16) Acetone	3.948	43	3504	7.467	ug/l	90
25) 2-Butanone	6.978	43	873	1.677	ug/l	93
31) Cyclohexane	7.789	56	2598	1.153	ug/l #	30
36) 1,1-Dichloropropene	7.783	75	10213	4.033	ug/l #	48
38) Carbon Tetrachloride	7.789	117	14959	4.401	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	58516	41.555	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58516	93.710	ug/l #	13

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

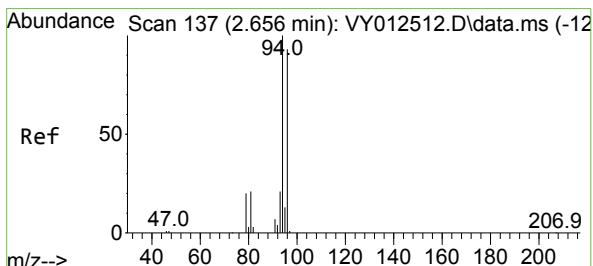
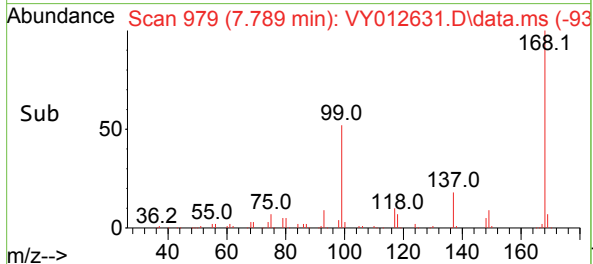
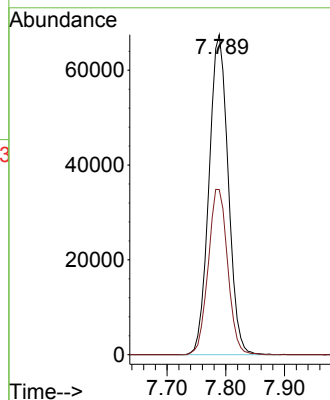
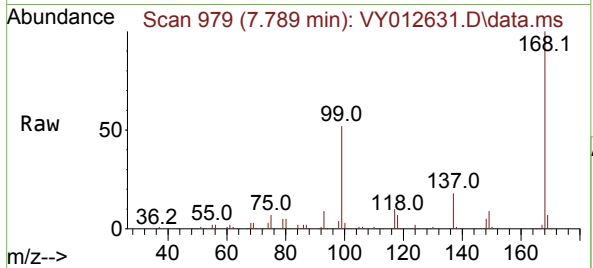




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012631.D
Acq: 16 Feb 2023 12:29

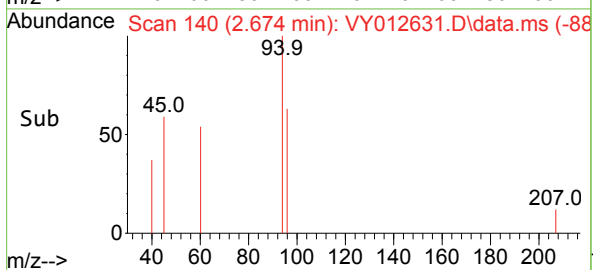
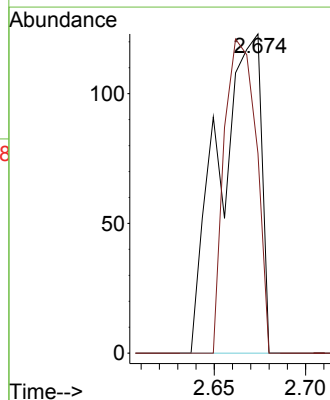
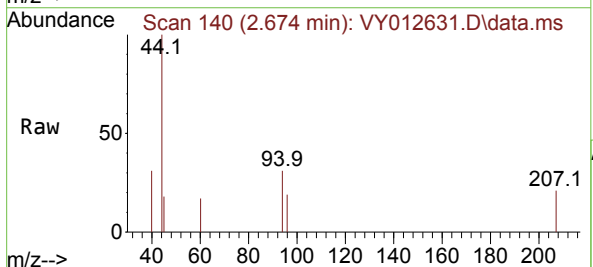
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-743-745

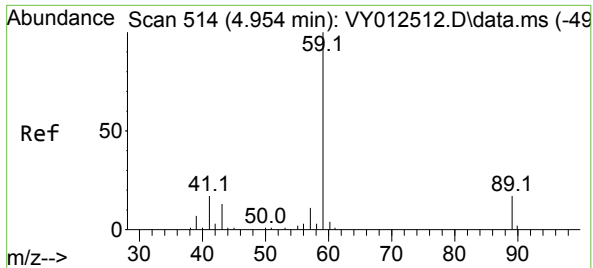
Tgt Ion:168 Resp: 153315
Ion Ratio Lower Upper
168 100
99 51.6 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY012631.D
Acq: 16 Feb 2023 12:29

Tgt Ion: 94 Resp: 199
Ion Ratio Lower Upper
94 100
96 62.6 74.7 112.1#

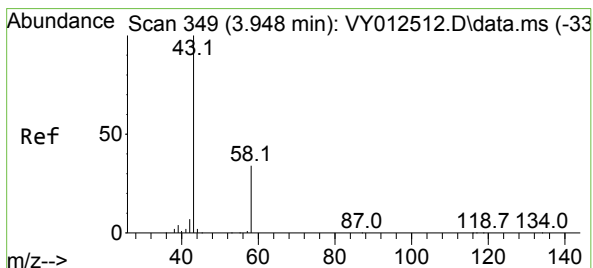
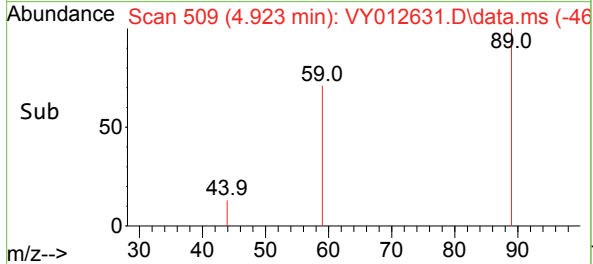
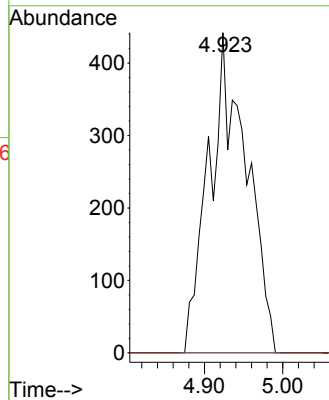
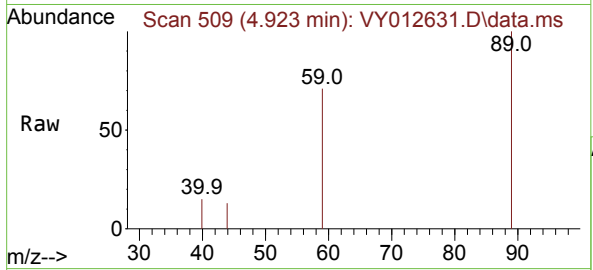




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.031 min
Lab File: VY012631.D
Acq: 16 Feb 2023 12:29

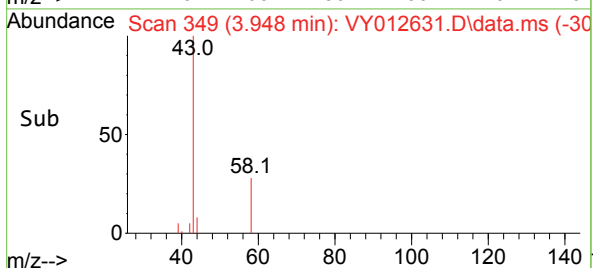
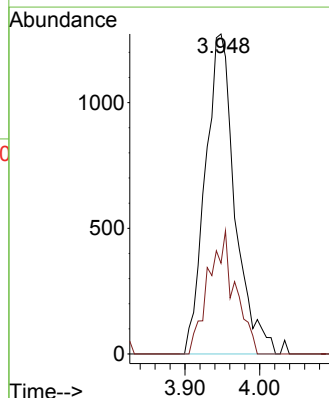
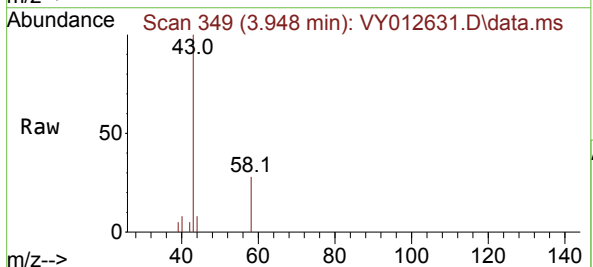
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-743-745

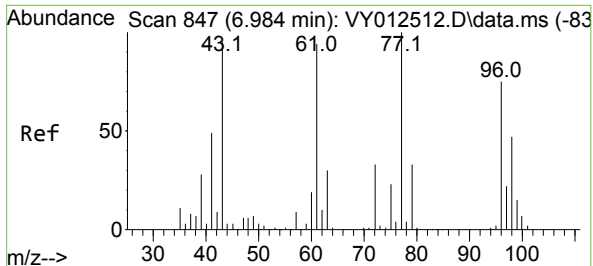
Tgt Ion: 59 Resp: 1475
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 7.467 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY012631.D
Acq: 16 Feb 2023 12:29

Tgt Ion: 43 Resp: 3504
Ion Ratio Lower Upper
43 100
58 28.4 27.1 40.7





#25

2-Butanone

Concen: 1.677 ug/l

RT: 6.978 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY012631.D

Acq: 16 Feb 2023 12:29

Instrument :

MSVOA_Y

ClientSampleId :

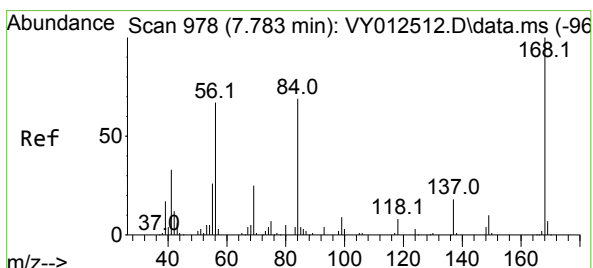
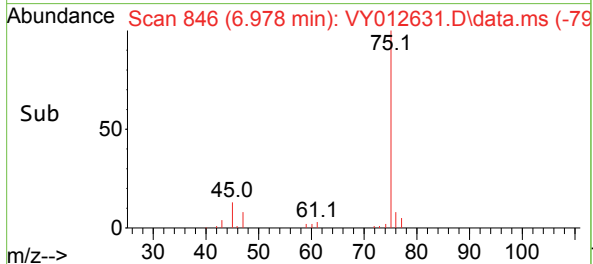
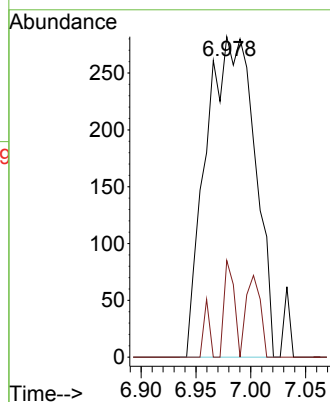
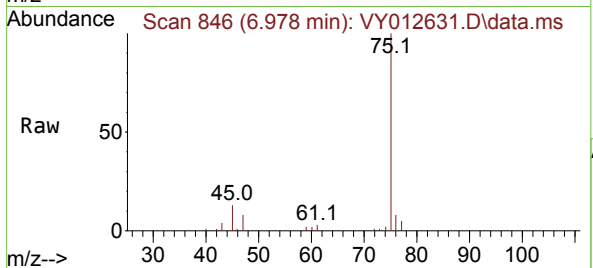
BP-VPB-RW10-GW-743-745

Tgt Ion: 43 Resp: 873

Ion Ratio Lower Upper

43 100

72 30.1 27.4 41.2



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012631.D

Acq: 16 Feb 2023 12:29

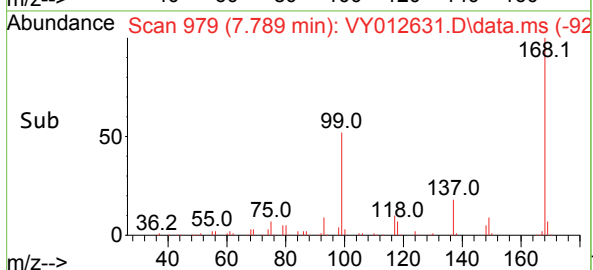
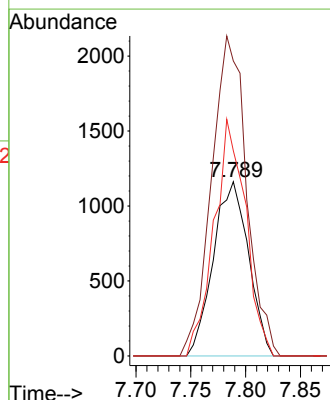
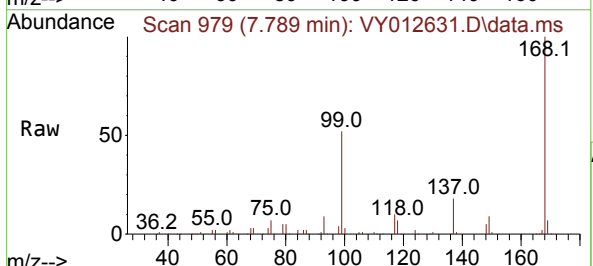
Tgt Ion: 56 Resp: 2598

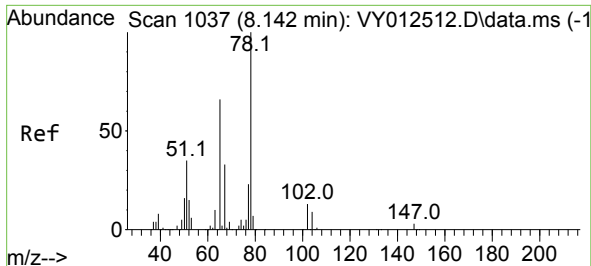
Ion Ratio Lower Upper

56 100

69 169.4 29.5 44.3#

84 117.8 81.9 122.9





#33

1,2-Dichloroethane-d4

Concen: 46.645 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY012631.D

Acq: 16 Feb 2023 12:29

Instrument :

MSVOA_Y

ClientSampleId :

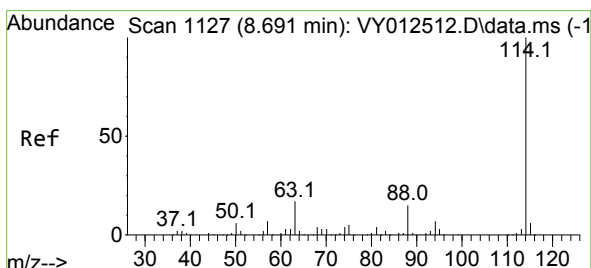
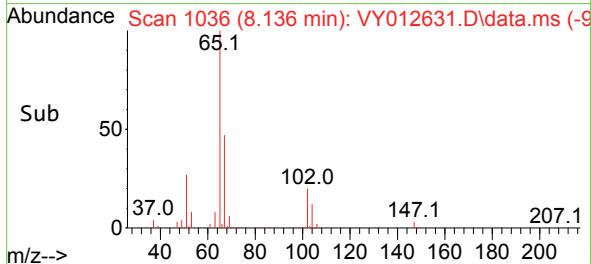
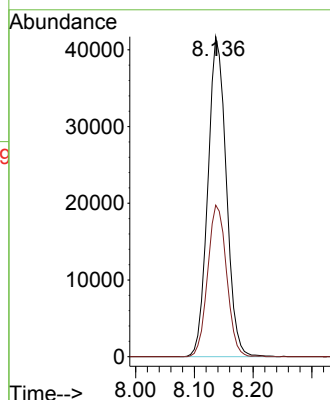
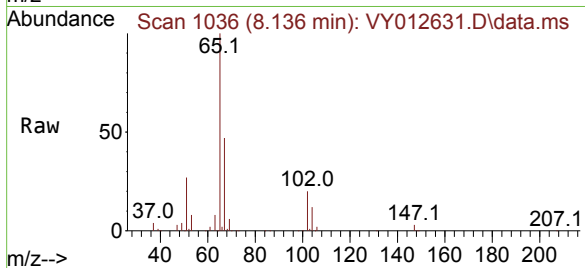
BP-VPB-RW10-GW-743-745

Tgt Ion: 65 Resp: 90939

Ion Ratio Lower Upper

65 100

67 48.6 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: VY012631.D

Acq: 16 Feb 2023 12:29

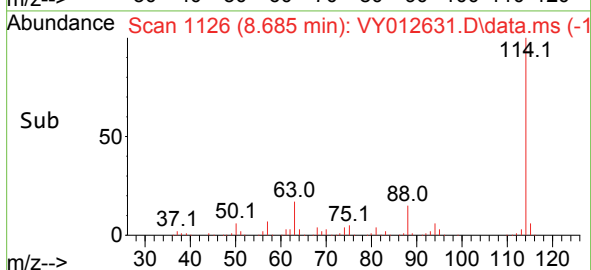
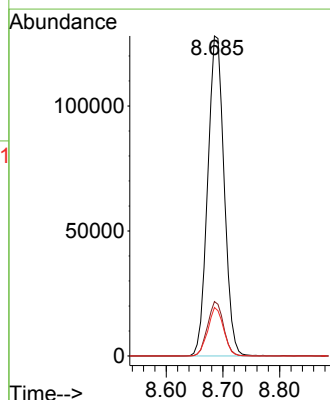
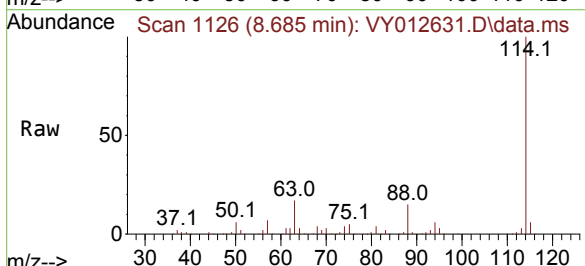
Tgt Ion: 114 Resp: 256908

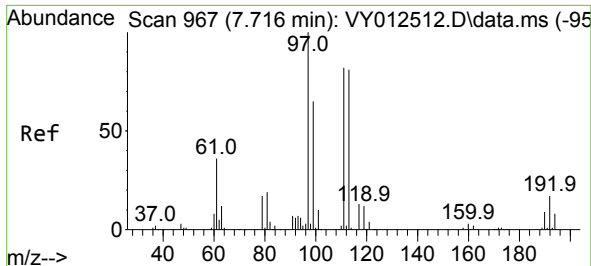
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.6

88 15.2 0.0 29.8

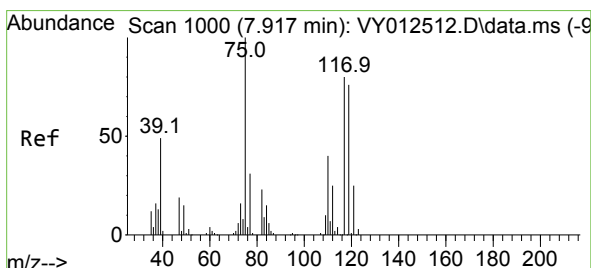
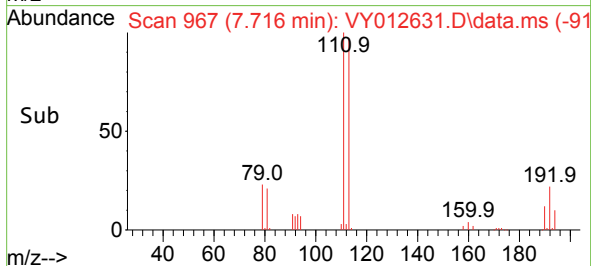
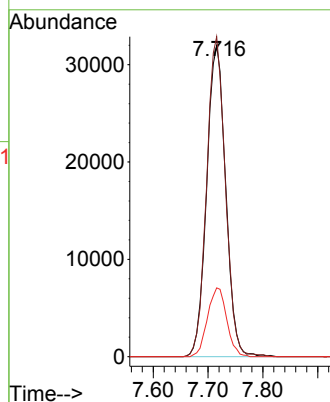
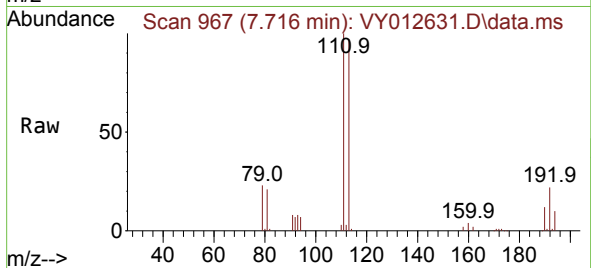




#35
Dibromofluoromethane
Concen: 41.077 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012631.D
Acq: 16 Feb 2023 12:29

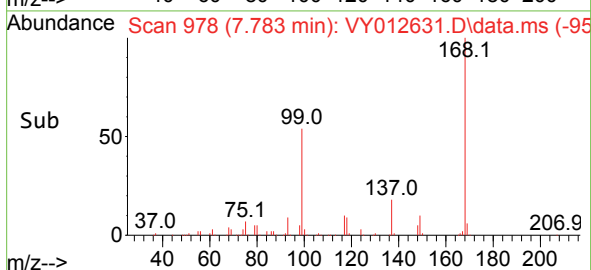
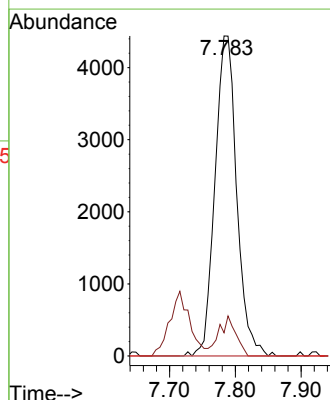
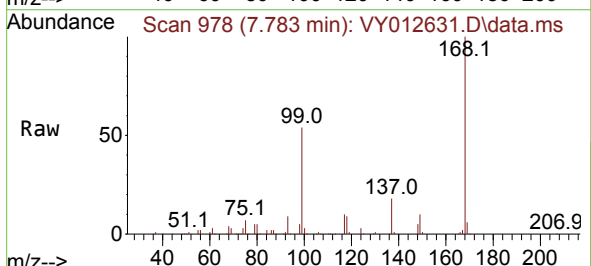
Instrument :
MSVOA_Y
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BP-VPB-RW10-GW-743-745

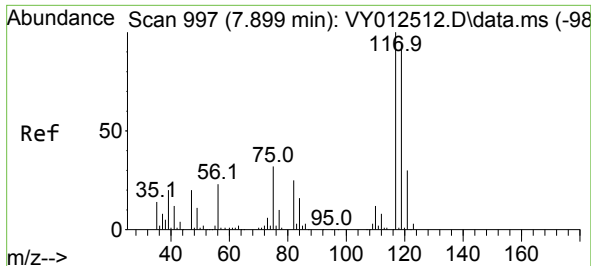
Tgt Ion:113 Resp: 76854
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 22.4 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.033 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012631.D
Acq: 16 Feb 2023 12:29

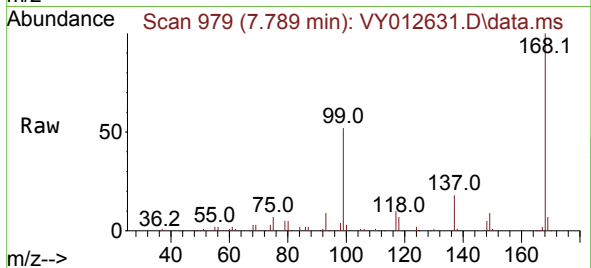
Tgt Ion: 75 Resp: 10213
Ion Ratio Lower Upper
75 100
110 9.6 19.5 58.5#
77 0.0 24.9 37.3#



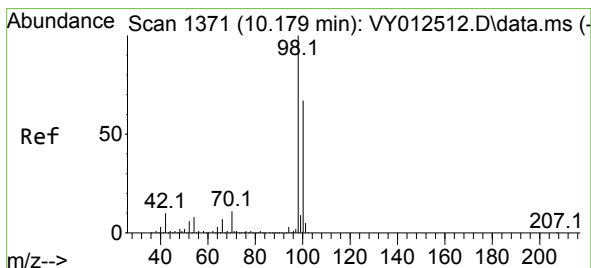
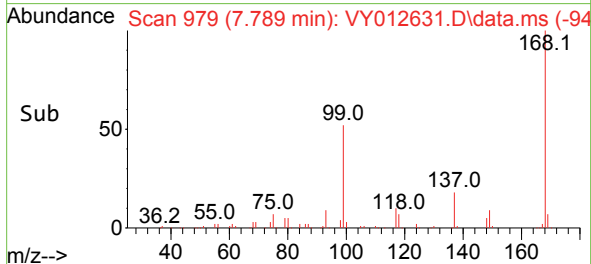
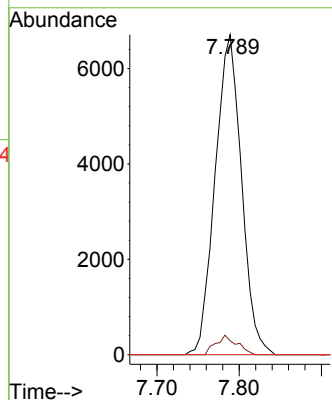


#38
Carbon Tetrachloride
Concen: 4.401 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012631.D
Acq: 16 Feb 2023 12:29

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-743-745

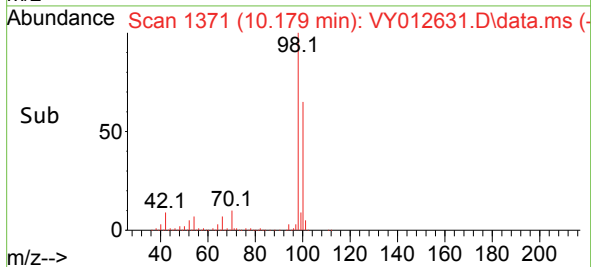
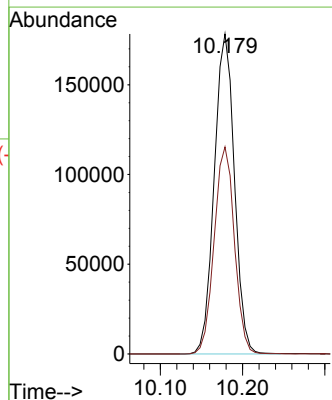
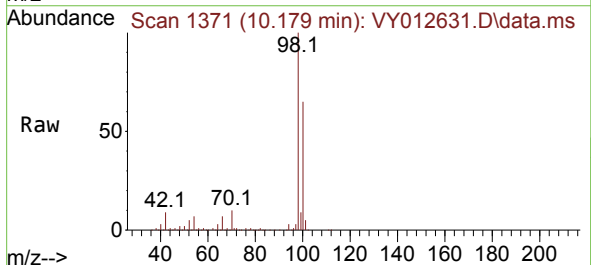


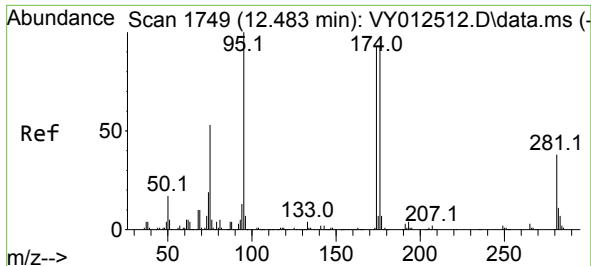
Tgt Ion:117 Resp: 14959
Ion Ratio Lower Upper
117 100
119 4.4 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 38.952 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012631.D
Acq: 16 Feb 2023 12:29

Tgt Ion: 98 Resp: 303336
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2

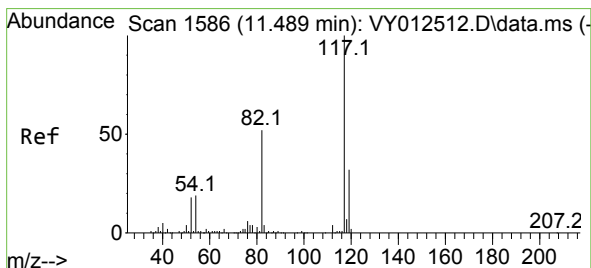
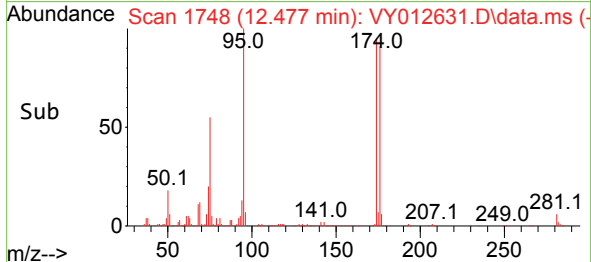
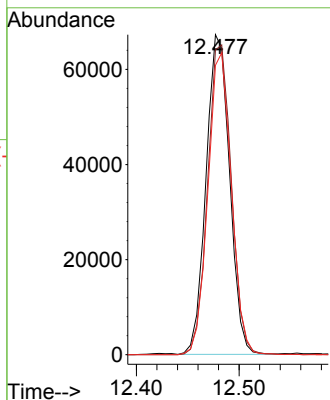
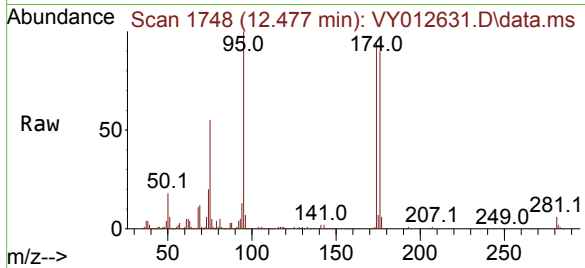




#62
4-Bromofluorobenzene
Concen: 39.379 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012631.D
Acq: 16 Feb 2023 12:29

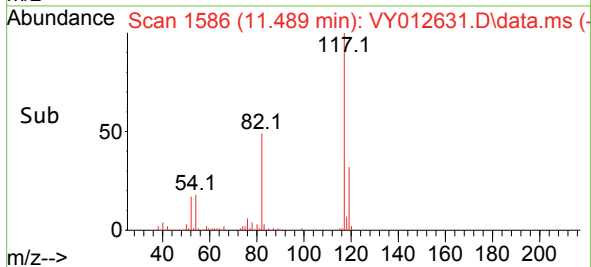
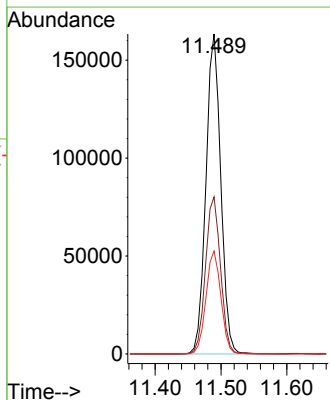
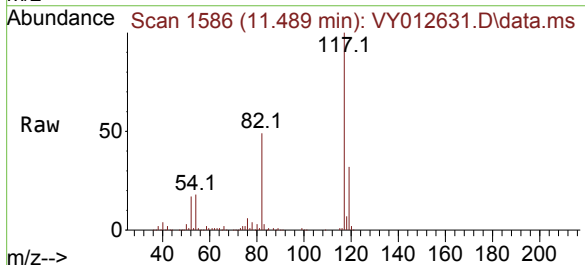
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW10-GW-743-745

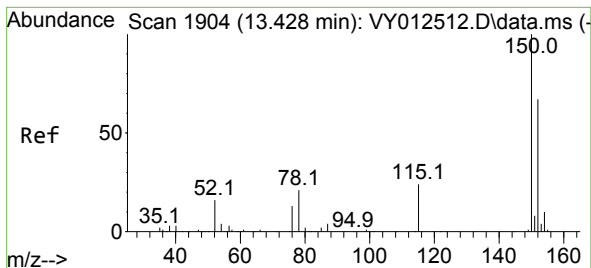
Tgt Ion: 95 Resp: 106964
Ion Ratio Lower Upper
95 100
174 97.8 0.0 188.0
176 94.1 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012631.D
Acq: 16 Feb 2023 12:29

Tgt Ion: 117 Resp: 256594
Ion Ratio Lower Upper
117 100
82 49.1 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: VY012631.D

Acq: 16 Feb 2023 12:29

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW10-GW-743-745

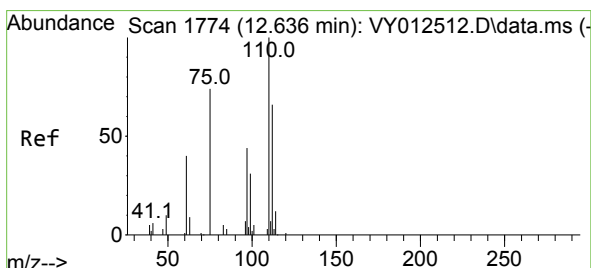
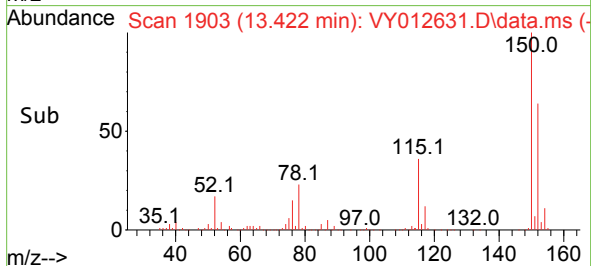
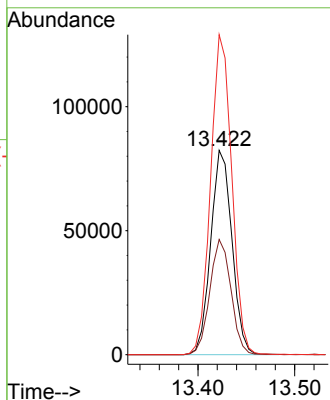
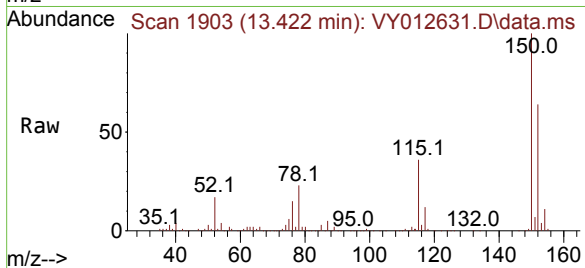
Tgt Ion:152 Resp: 126038

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.3

150 155.7 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 41.555 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY012631.D

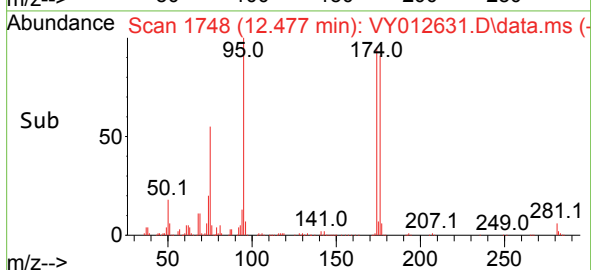
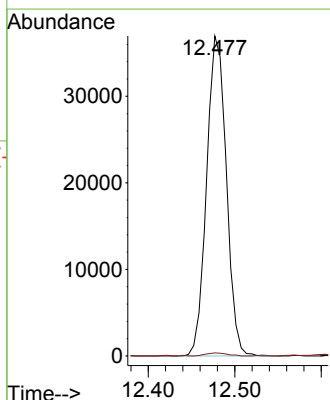
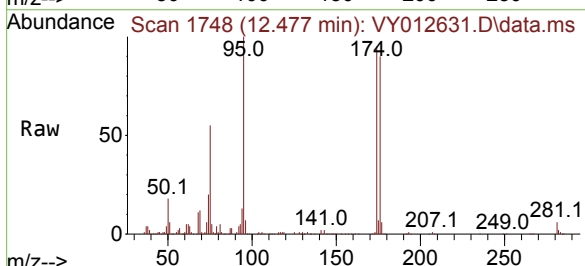
Acq: 16 Feb 2023 12:29

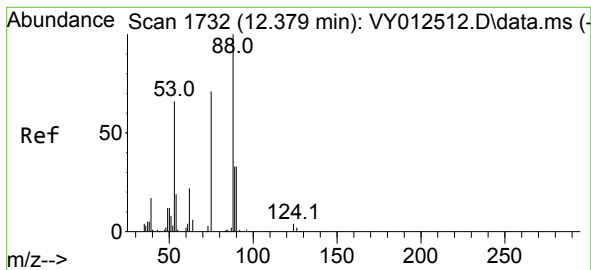
Tgt Ion: 75 Resp: 58516

Ion Ratio Lower Upper

75 100

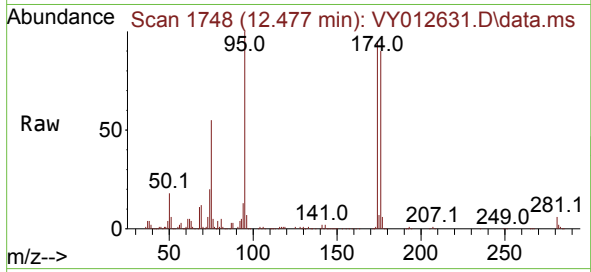
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.710 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY012631.D
 Acq: 16 Feb 2023 12:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW10-GW-743-745



Tgt Ion: 75 Resp: 58516
 Ion Ratio Lower Upper
 75 100
 53 0.4 73.1 109.7#
 89 0.1 39.9 59.9#

