

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012522.D
 Acq On : 07 Feb 2023 16:37
 Operator : KP/MD
 Sample : 01466-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-2

Quant Time: Feb 08 01:46:31 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)

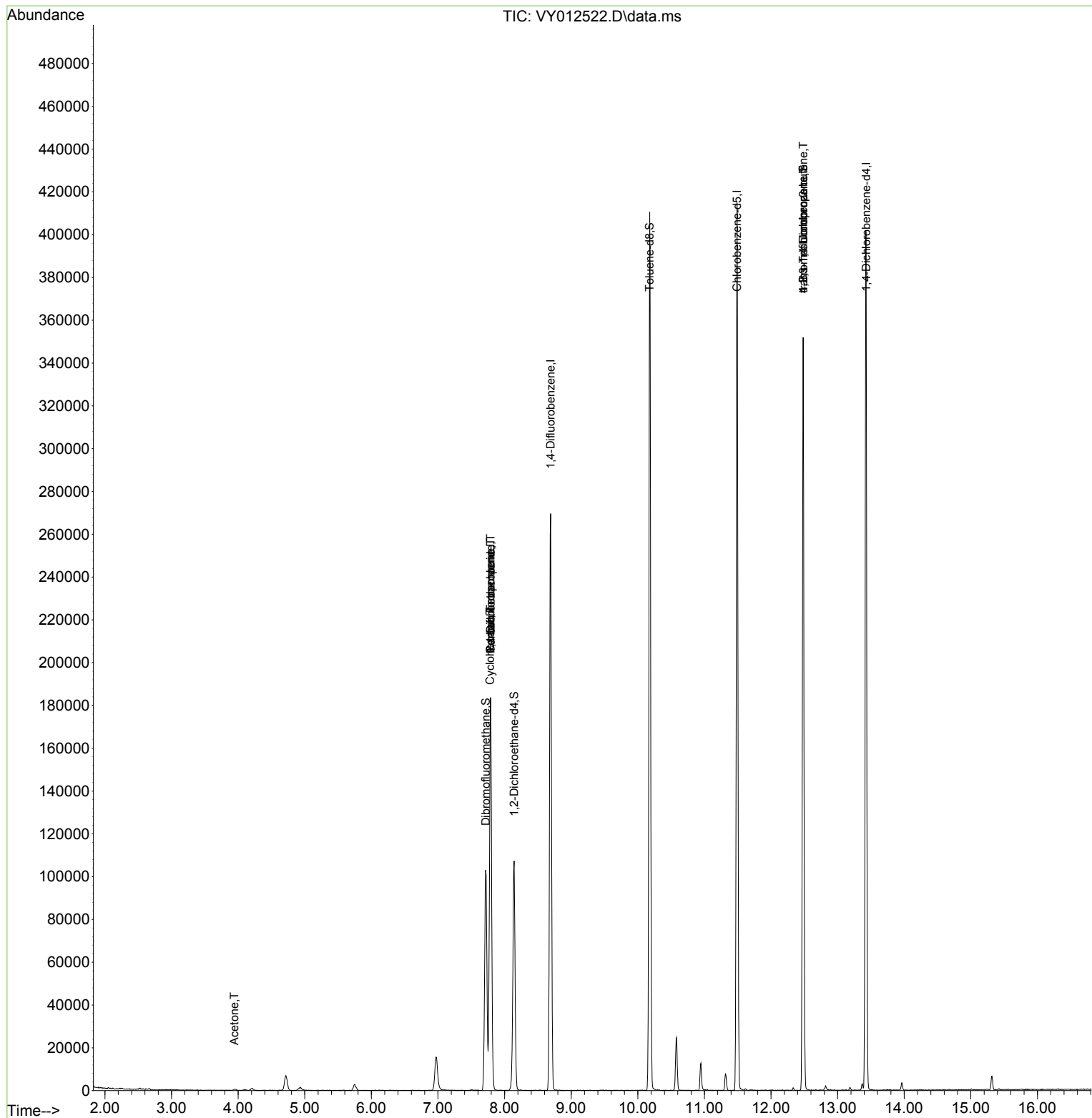
Internal Standards						
1) Pentafluorobenzene	7.789	168	146108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	235027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	87531	47.112	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.220%
35) Dibromofluoromethane	7.716	113	70596	40.549	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.100%
50) Toluene-d8	10.179	98	280236	38.672	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.340%
62) 4-Bromofluorobenzene	12.483	95	94947	37.564	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.120%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	252	Below Cal	#	80
11) Tert butyl alcohol	4.936	59	1585	Below Cal	#	75
16) Acetone	3.942	43	450	1.006	ug/l	96
20) Methylene Chloride	4.716	84	5964	Below Cal		92
31) Cyclohexane	7.783	56	2546	1.185	ug/l #	20
36) 1,1-Dichloropropene	7.789	75	10071	4.274	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13931	4.404	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	51727	41.258	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51727	93.039	ug/l #	12

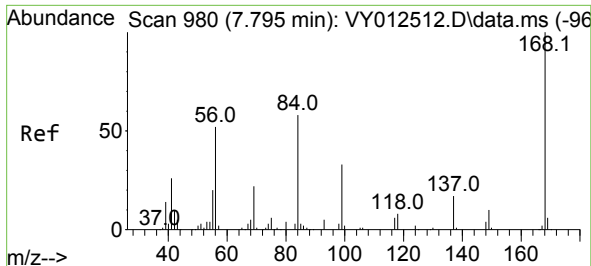
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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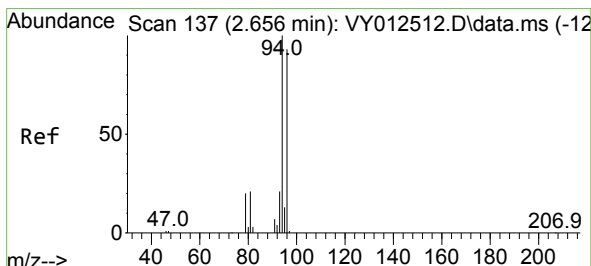
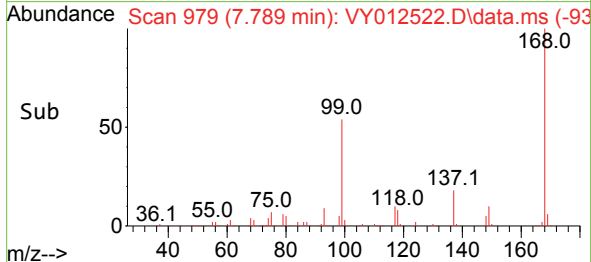
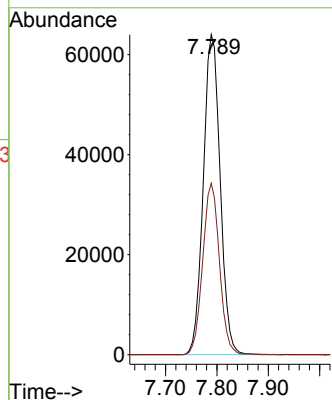
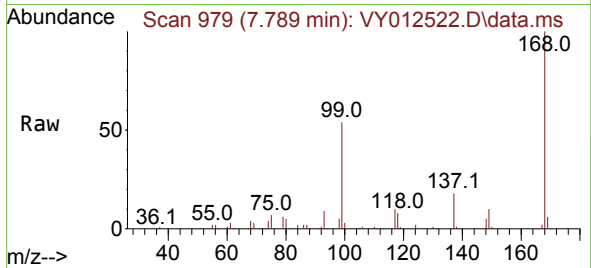




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012522.D
Acq: 07 Feb 2023 16:37

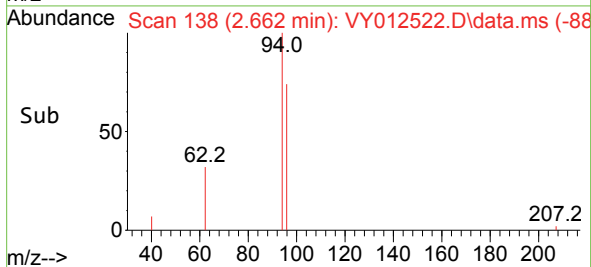
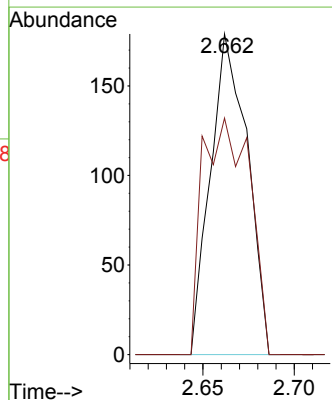
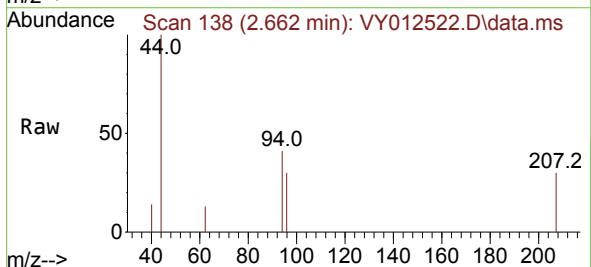
Instrument :
MSVOA_Y
ClientSampleId :
A-2

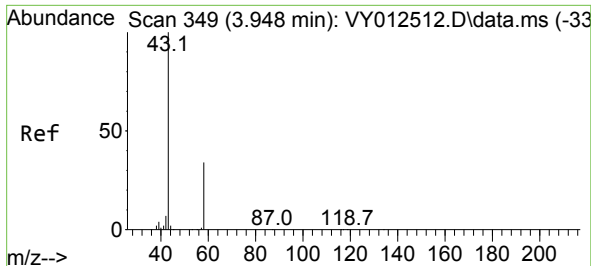
Tgt Ion:168 Resp: 146108
Ion Ratio Lower Upper
168 100
99 53.6 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012522.D
Acq: 07 Feb 2023 16:37

Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 73.7 74.7 112.1#





#16

Acetone

Concen: 1.006 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY012522.D

Acq: 07 Feb 2023 16:37

Instrument :

MSVOA_Y

ClientSampleId :

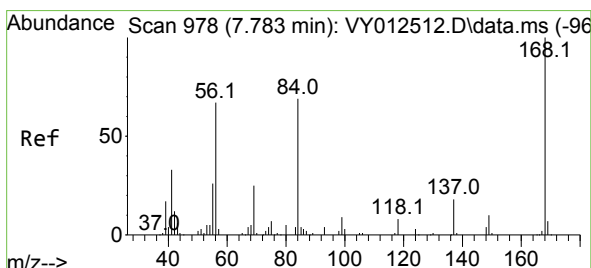
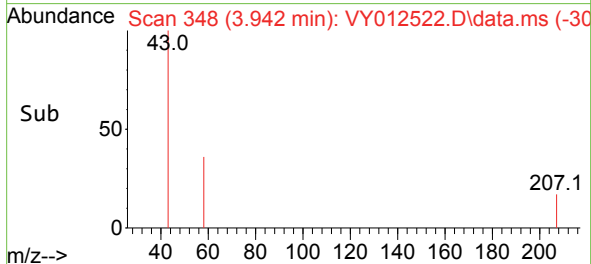
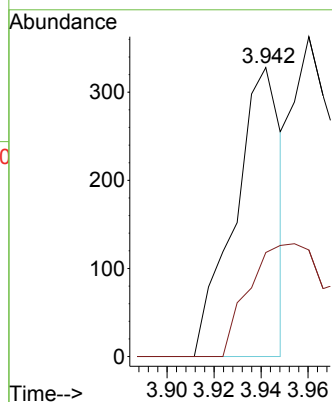
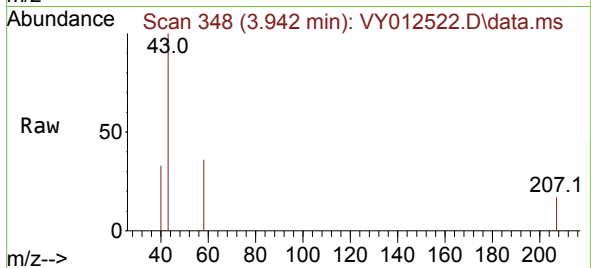
A-2

Tgt Ion: 43 Resp: 450

Ion Ratio Lower Upper

43 100

58 36.0 27.1 40.7



#31

Cyclohexane

Concen: 1.185 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY012522.D

Acq: 07 Feb 2023 16:37

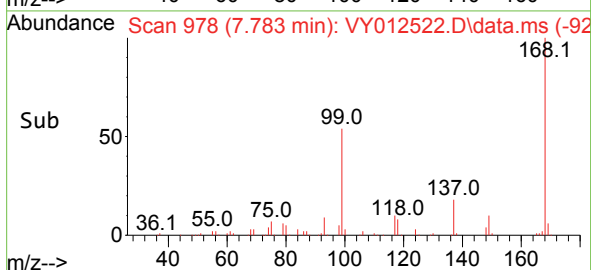
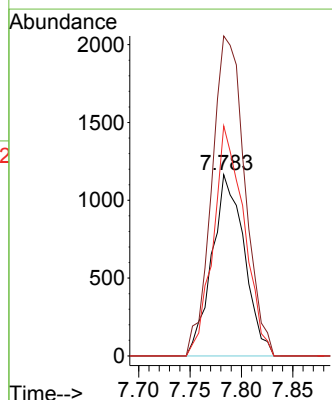
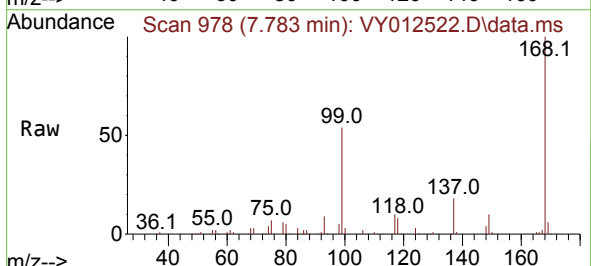
Tgt Ion: 56 Resp: 2546

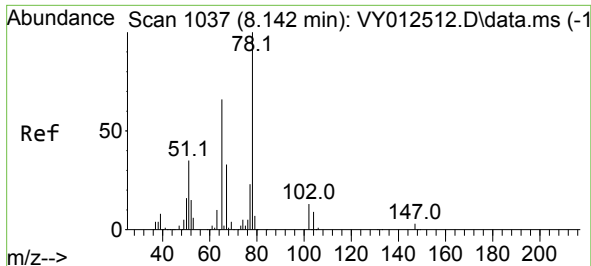
Ion Ratio Lower Upper

56 100

69 176.5 29.5 44.3#

84 126.9 81.9 122.9#

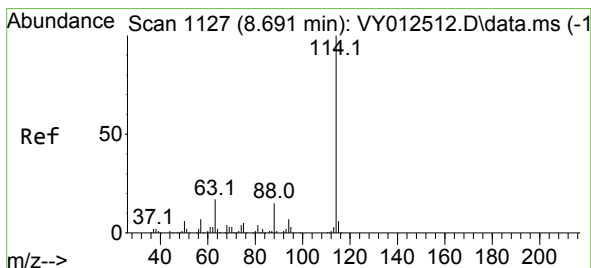
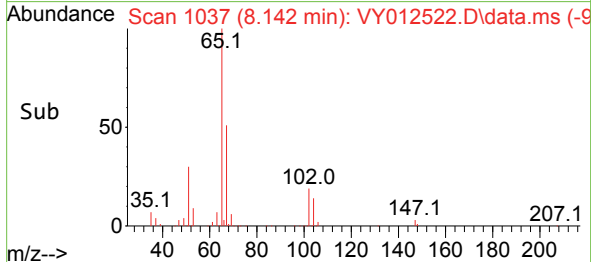
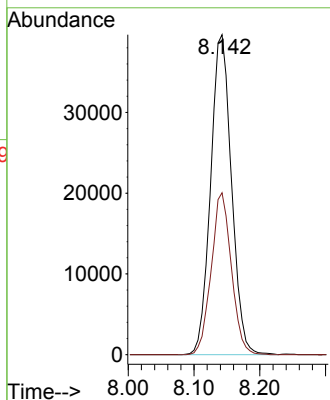
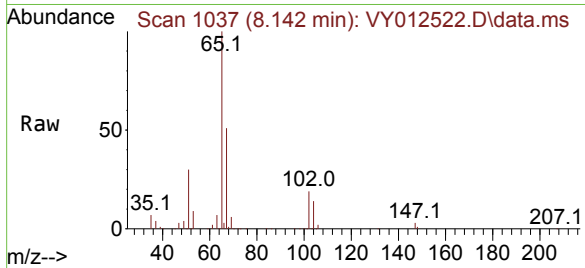




#33
 1,2-Dichloroethane-d4
 Concen: 47.112 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY012522.D
 Acq: 07 Feb 2023 16:37

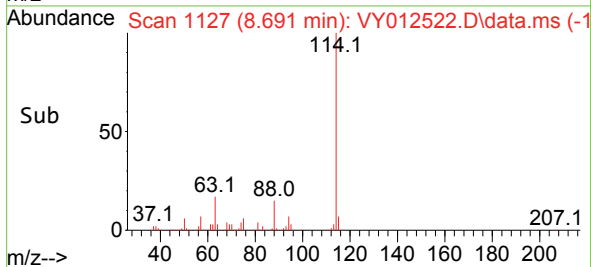
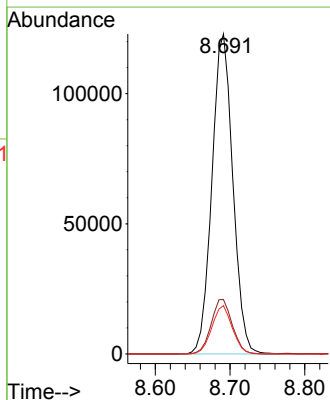
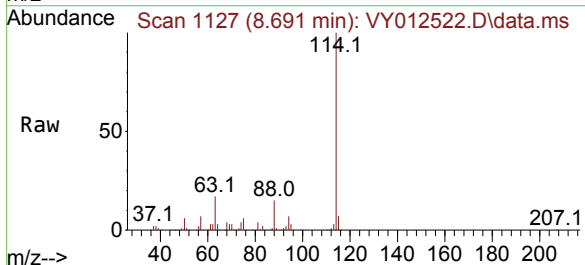
Instrument :
 MSVOA_Y
 ClientSampleId :
 A-2

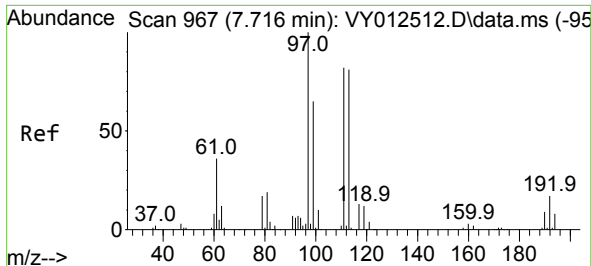
Tgt Ion: 65 Resp: 87531
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012522.D
 Acq: 07 Feb 2023 16:37

Tgt Ion: 114 Resp: 239063
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 33.6
 88 15.1 0.0 29.8

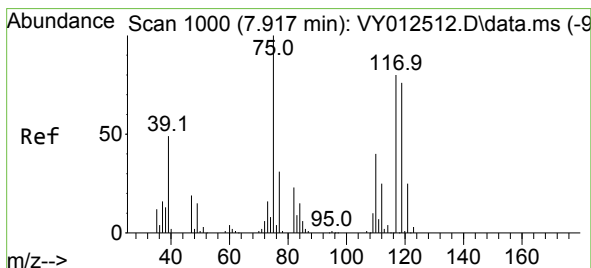
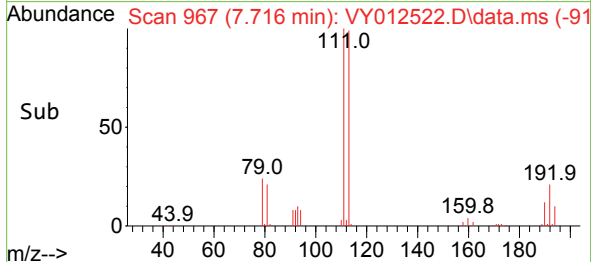
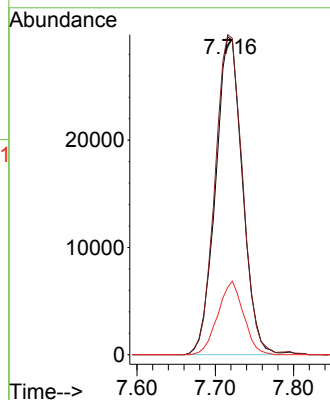
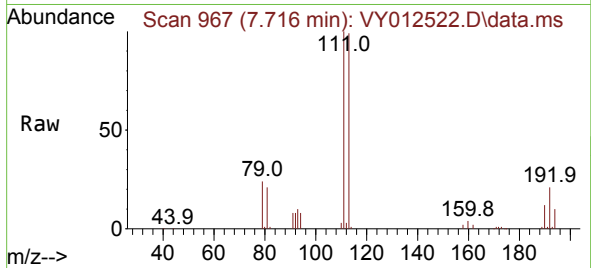




#35
Dibromofluoromethane
Concen: 40.549 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY012522.D
Acq: 07 Feb 2023 16:37

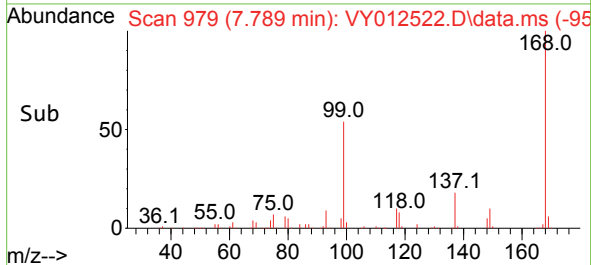
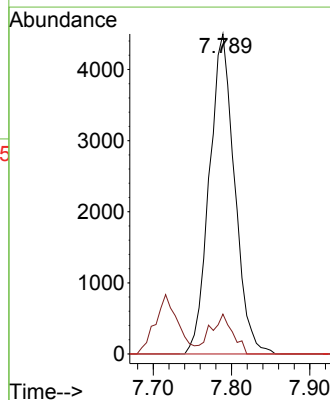
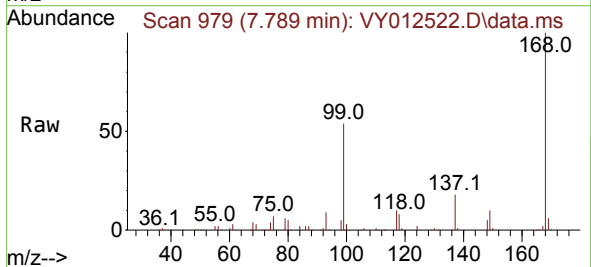
Instrument :
MSVOA_Y
ClientSampleId :
A-2

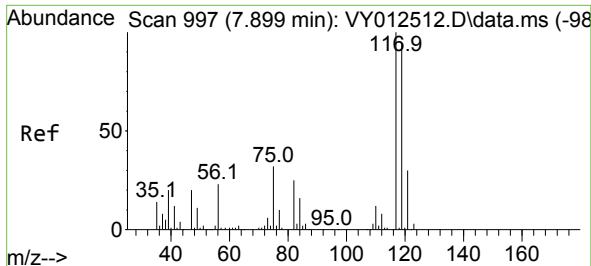
Tgt Ion:113 Resp: 70596
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 22.0 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.274 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012522.D
Acq: 07 Feb 2023 16:37

Tgt Ion: 75 Resp: 10071
Ion Ratio Lower Upper
75 100
110 11.1 19.5 58.5#
77 0.0 24.9 37.3#

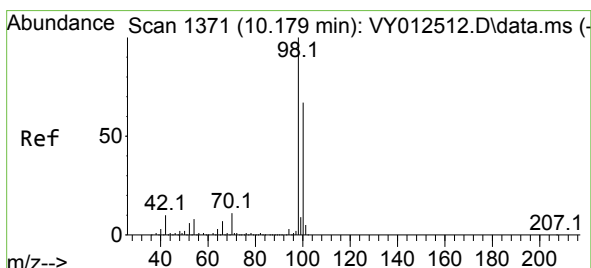
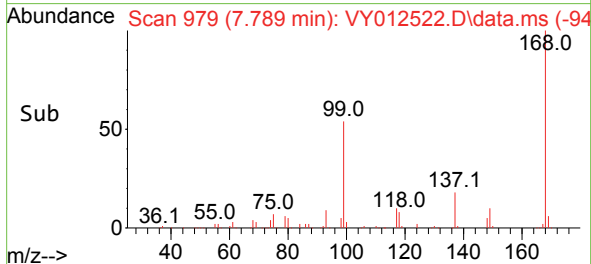
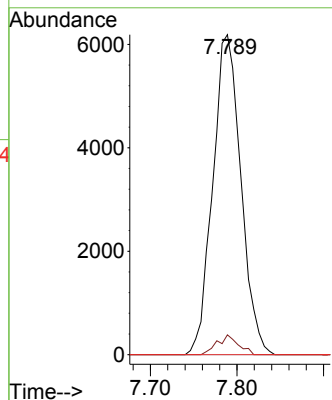
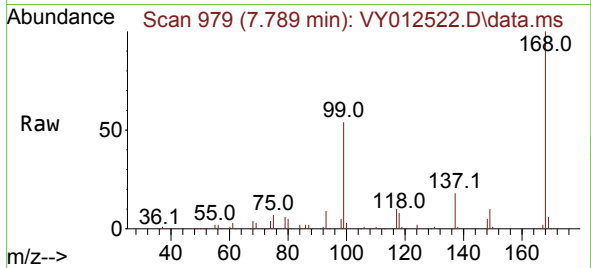




#38
Carbon Tetrachloride
Concen: 4.404 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012522.D
Acq: 07 Feb 2023 16:37

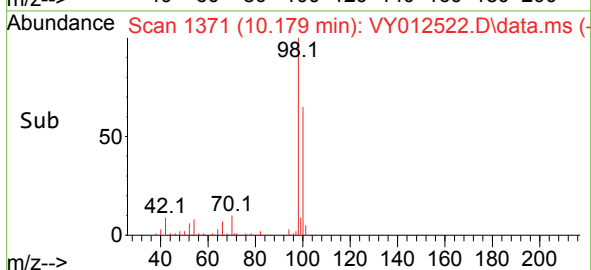
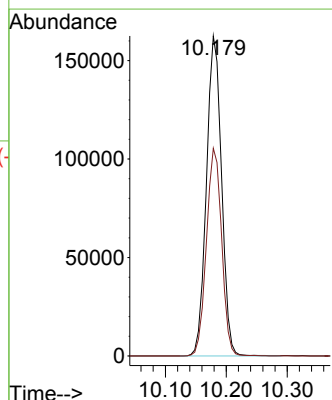
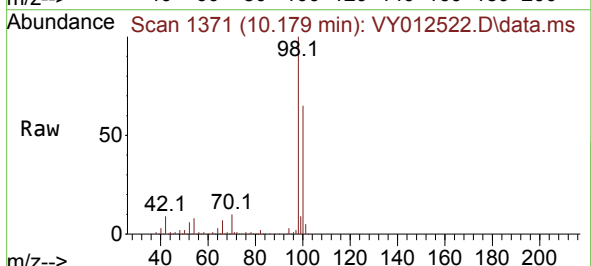
Instrument :
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A-2

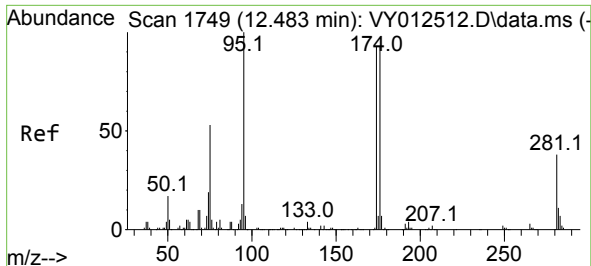
Tgt Ion:117 Resp: 13931
Ion Ratio Lower Upper
117 100
119 6.2 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 38.672 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012522.D
Acq: 07 Feb 2023 16:37

Tgt Ion: 98 Resp: 280236
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

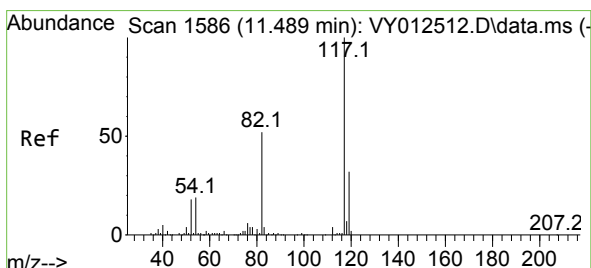
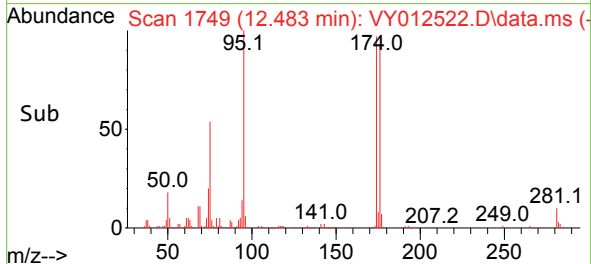
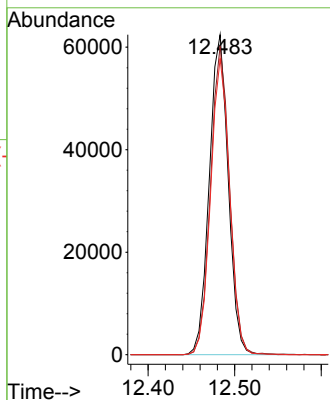
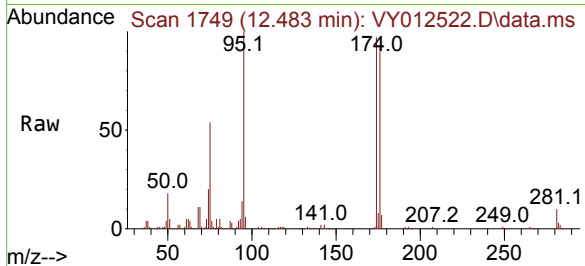




#62
4-Bromofluorobenzene
Concen: 37.564 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012522.D
Acq: 07 Feb 2023 16:37

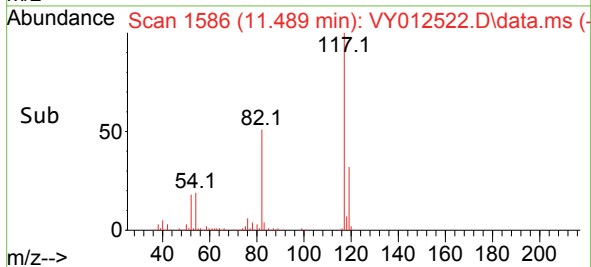
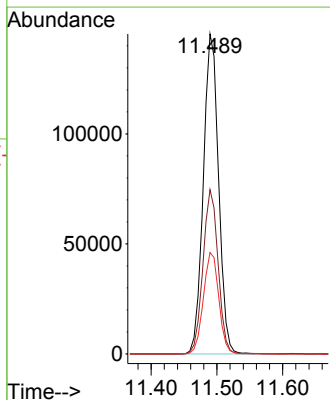
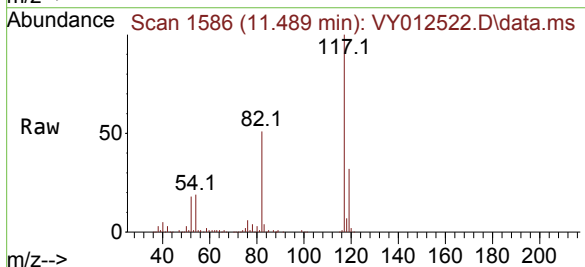
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A-2

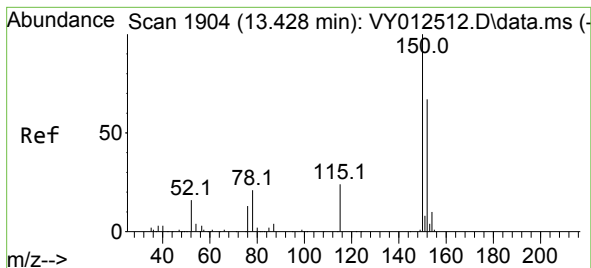
Tgt Ion:	95	Resp:	94947
Ion Ratio	Lower	Upper	
95	100		
174	96.8	0.0	188.0
176	92.9	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012522.D
Acq: 07 Feb 2023 16:37

Tgt Ion:	117	Resp:	235027
Ion Ratio	Lower	Upper	
117	100		
82	51.4	41.7	62.5
119	31.7	25.8	38.8

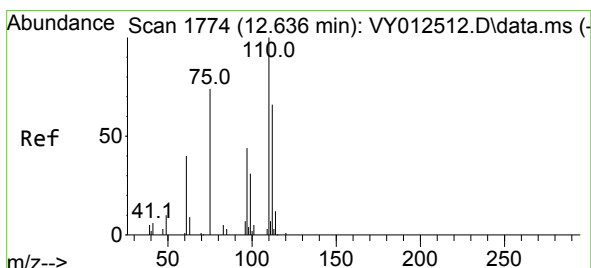
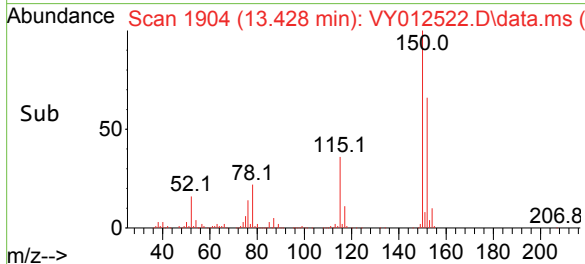
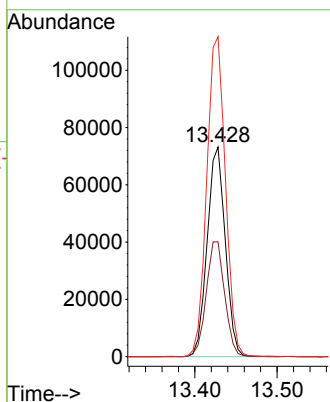
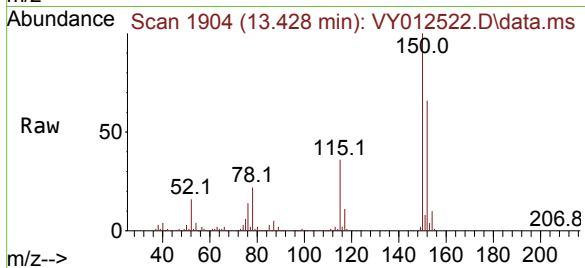




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012522.D
 Acq: 07 Feb 2023 16:37

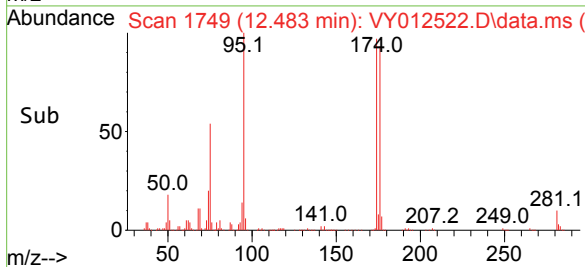
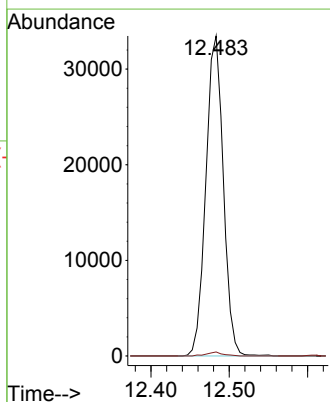
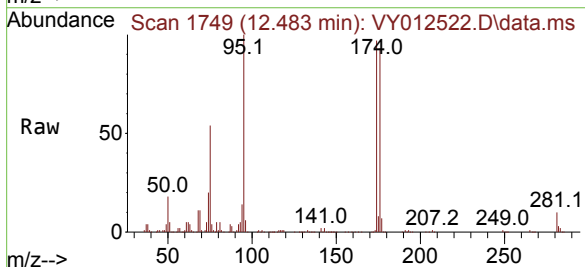
Instrument :
 MSVOA_Y
 ClientSampleId :
 A-2

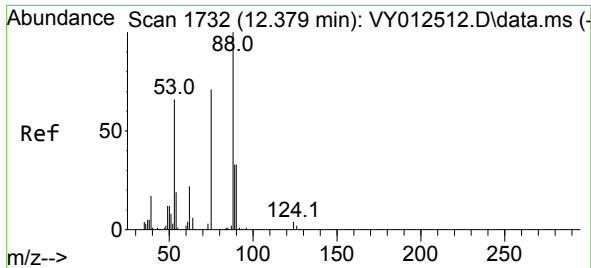
Tgt Ion:152 Resp: 112219
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.1 84.3
 150 157.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 41.258 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012522.D
 Acq: 07 Feb 2023 16:37

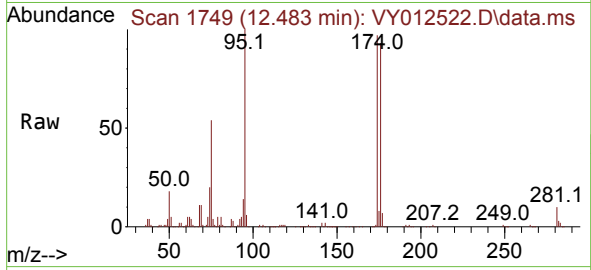
Tgt Ion: 75 Resp: 51727
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.039 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012522.D
 Acq: 07 Feb 2023 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-2



Tgt Ion:	75	Resp:	51727
Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.1	109.7#
89	0.0	39.9	59.9#

