

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012523.D
 Acq On : 07 Feb 2023 17:00
 Operator : KP/MD
 Sample : 01466-03
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-3

Quant Time: Feb 08 01:46:55 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)

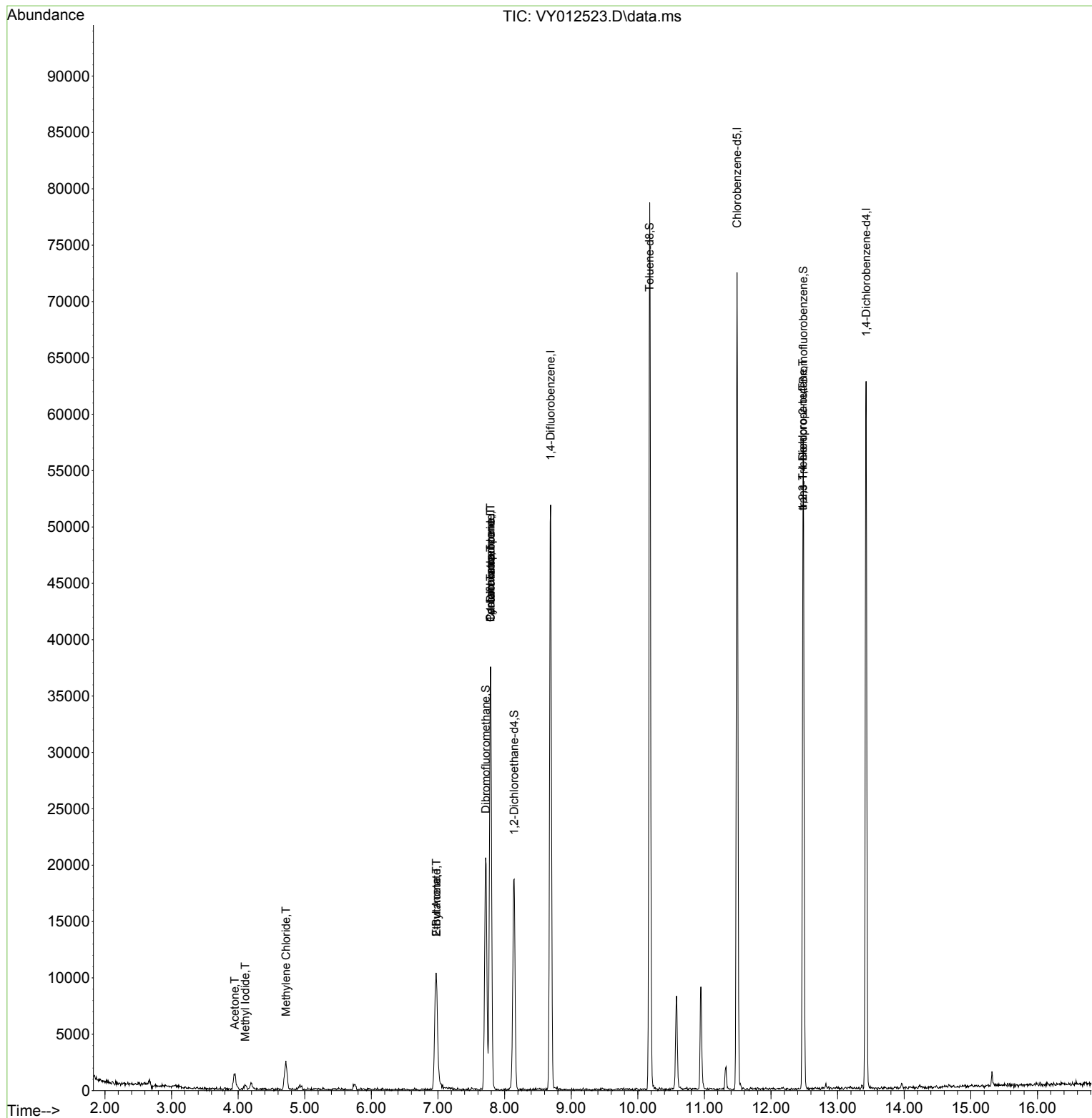
Internal Standards						
1) Pentafluorobenzene	7.789	168	30008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	47054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	42146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	16128	42.265	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.540%
35) Dibromofluoromethane	7.716	113	13972	40.773	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.540%
50) Toluene-d8	10.179	98	54322	38.086	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	76.180%
62) 4-Bromofluorobenzene	12.483	95	15756	31.670	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	63.340%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	251	Below Cal	#	48
10) Methyl Iodide	4.107	142	661	1.686	ug/l #	87
11) Tert butyl alcohol	4.954	59	102	Below Cal	#	75
16) Acetone	3.948	43	2507	27.297	ug/l	99
20) Methylene Chloride	4.716	84	2103	2.089	ug/l	91
25) 2-Butanone	6.978	43	210	2.061	ug/l #	40
31) Cyclohexane	7.789	56	495	1.122	ug/l #	46
36) 1,1-Dichloropropene	7.789	75	1846	3.980	ug/l #	48
37) Ethyl Acetate	6.978	43	210	1.003	ug/l #	64
38) Carbon Tetrachloride	7.789	117	2904	4.665	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	8135	39.570	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	8135	89.234	ug/l #	12

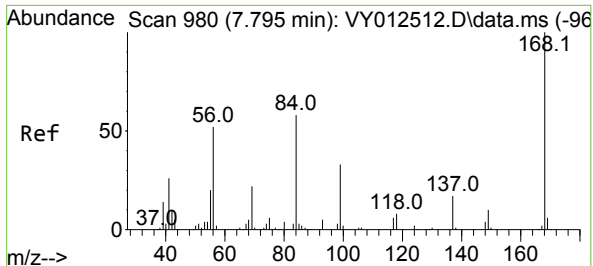
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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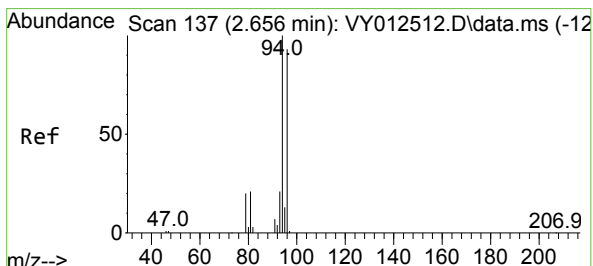
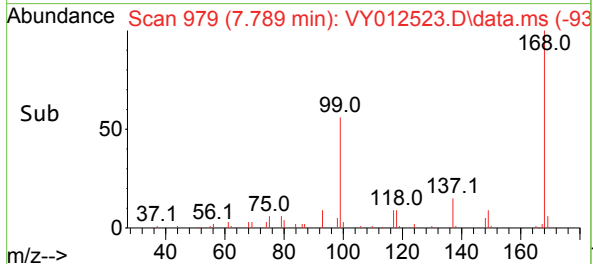
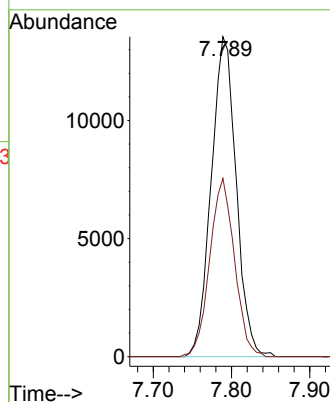
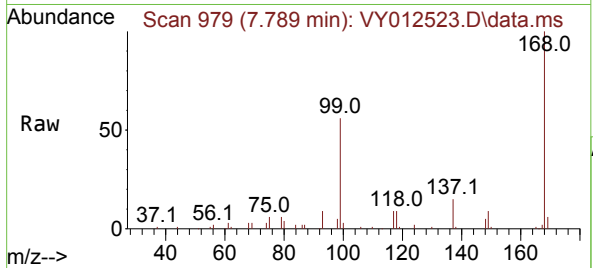




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012523.D
Acq: 07 Feb 2023 17:00

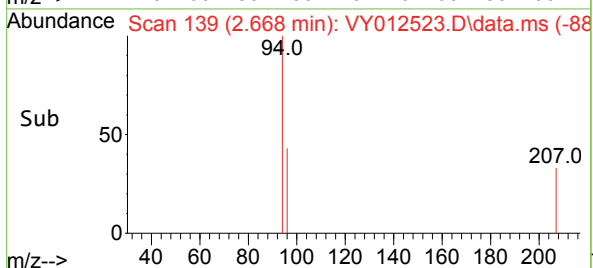
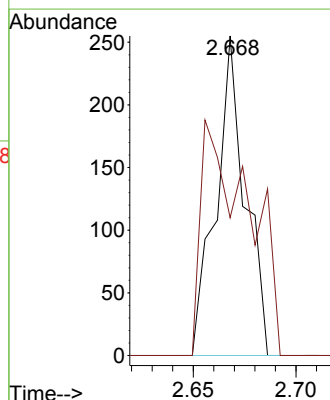
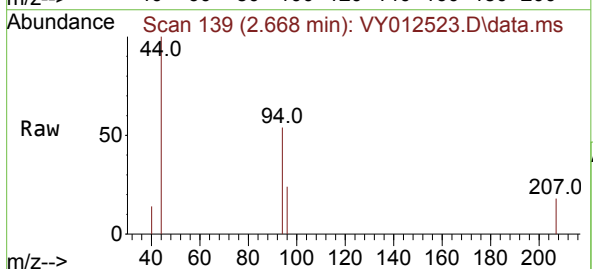
Instrument :
MSVOA_Y
ClientSampleId :
A-3

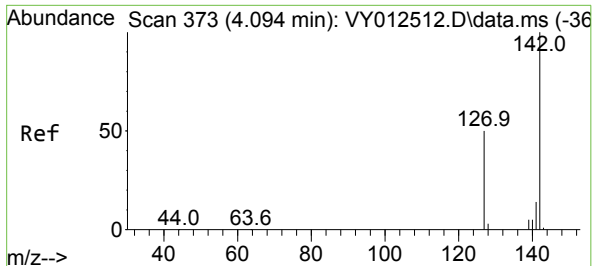
Tgt Ion:168 Resp: 30008
Ion Ratio Lower Upper
168 100
99 55.7 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY012523.D
Acq: 07 Feb 2023 17:00

Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 43.1 74.7 112.1#

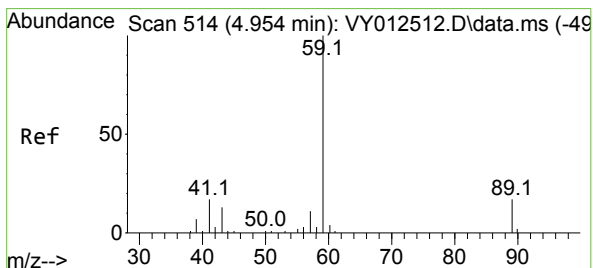
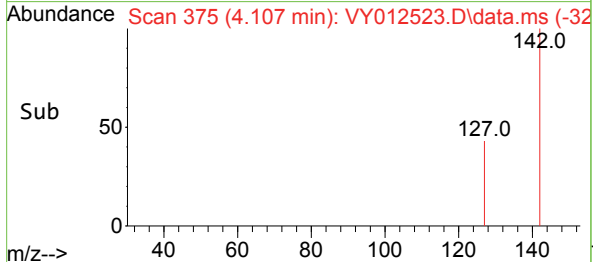
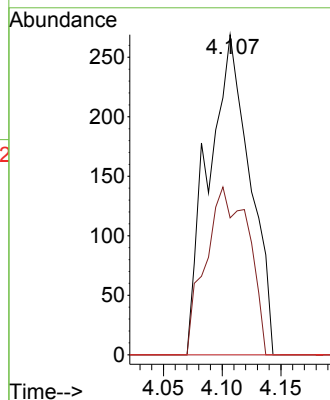
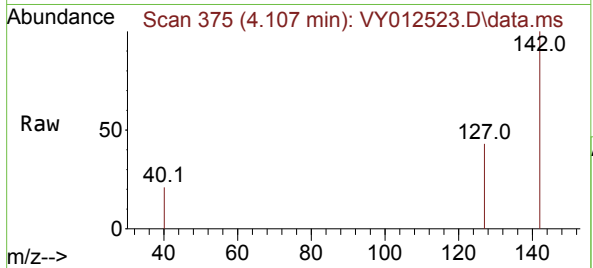




#10
Methyl Iodide
Concen: 1.686 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY012523.D
Acq: 07 Feb 2023 17:00

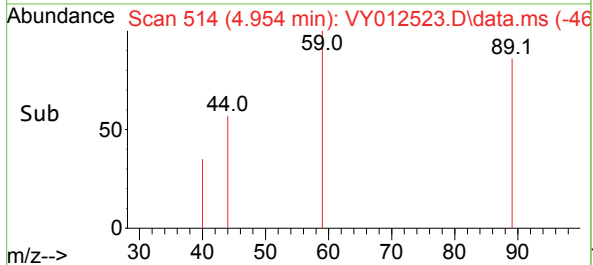
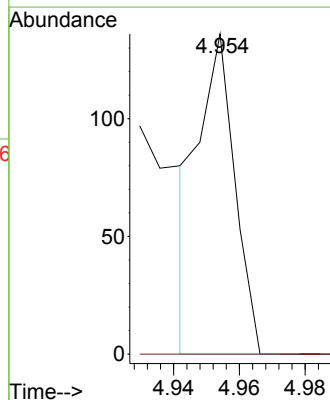
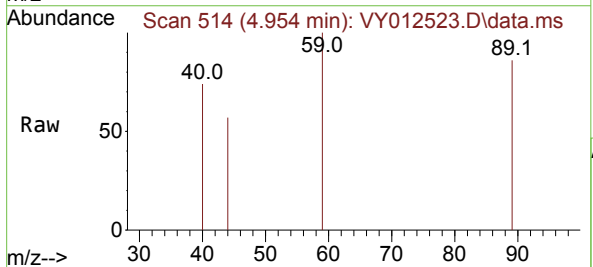
Instrument :
MSVOA_Y
ClientSampleId :
A-3

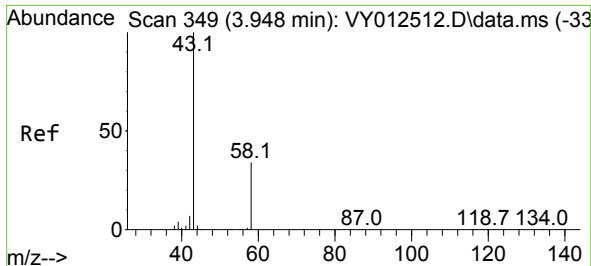
Tgt Ion:142 Resp: 661
Ion Ratio Lower Upper
142 100
127 54.0 39.8 59.6
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY012523.D
Acq: 07 Feb 2023 17:00

Tgt Ion: 59 Resp: 102
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 27.297 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012523.D

Acq: 07 Feb 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

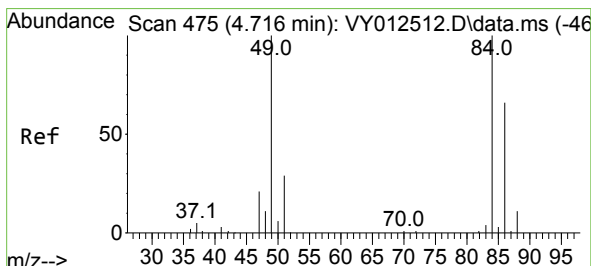
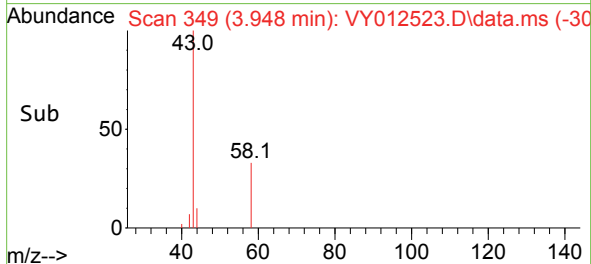
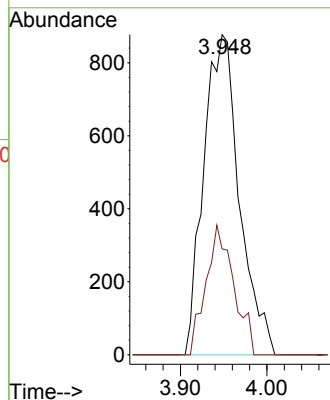
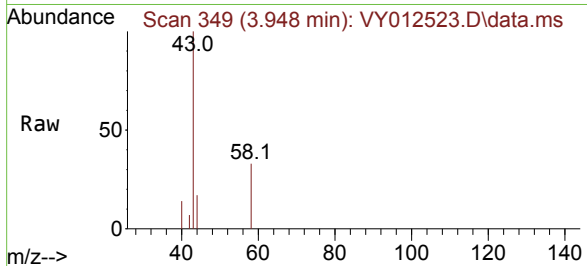
A-3

Tgt Ion: 43 Resp: 2507

Ion Ratio Lower Upper

43 100

58 33.1 27.1 40.7



#20

Methylene Chloride

Concen: 2.089 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012523.D

Acq: 07 Feb 2023 17:00

Tgt Ion: 84 Resp: 2103

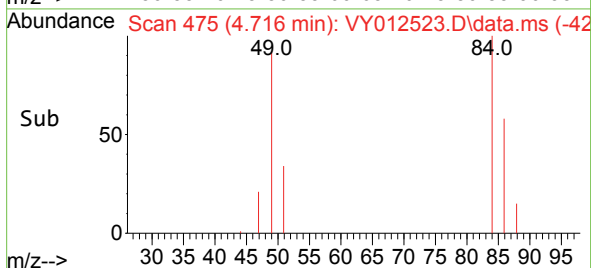
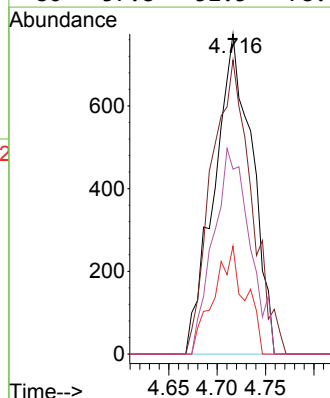
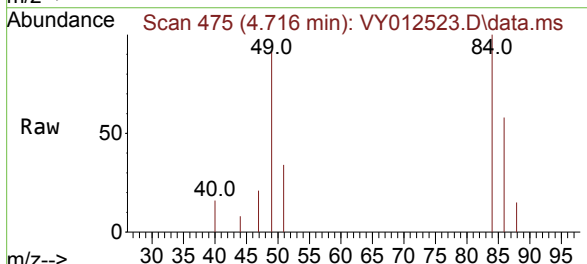
Ion Ratio Lower Upper

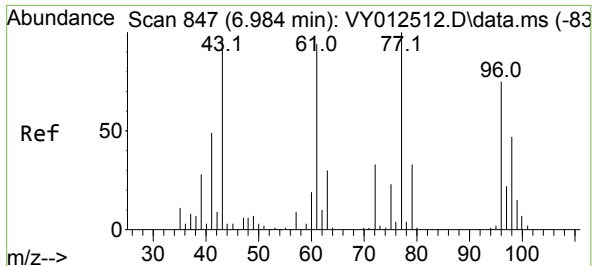
84 100

49 91.9 79.8 119.6

51 33.7 23.4 35.2

86 57.8 52.5 78.7





#25

2-Butanone

Concen: 2.061 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY012523.D

Acq: 07 Feb 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

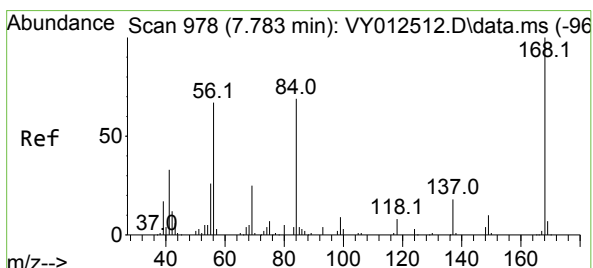
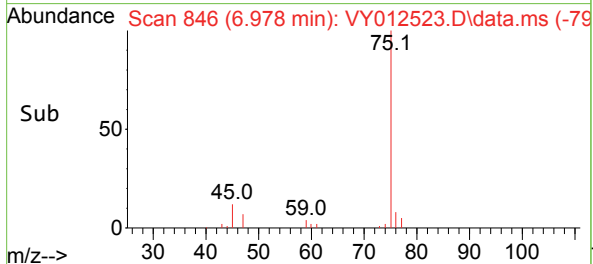
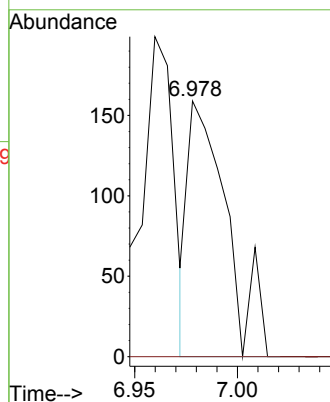
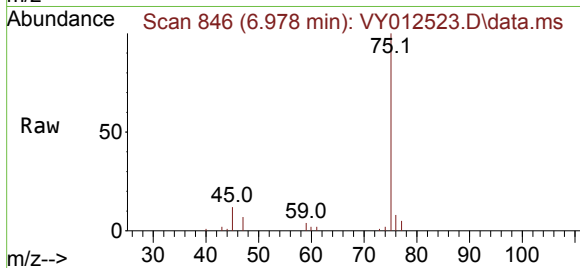
A-3

Tgt Ion: 43 Resp: 210

Ion Ratio Lower Upper

43 100

72 0.0 27.4 41.2#



#31

Cyclohexane

Concen: 1.122 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012523.D

Acq: 07 Feb 2023 17:00

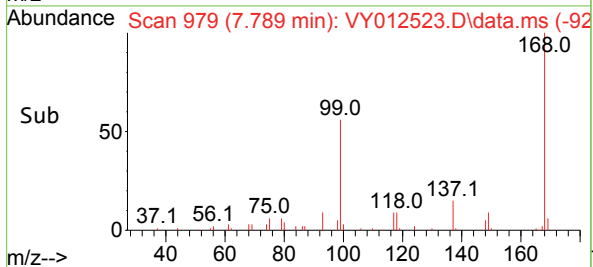
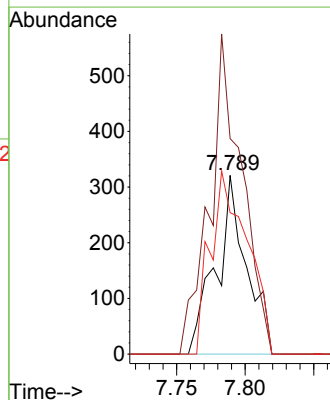
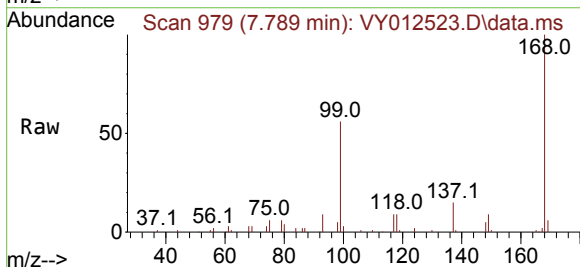
Tgt Ion: 56 Resp: 495

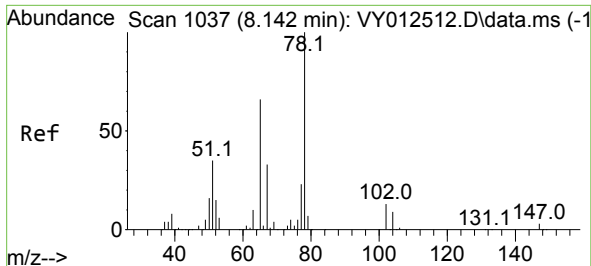
Ion Ratio Lower Upper

56 100

69 120.6 29.5 44.3#

84 79.1 81.9 122.9#

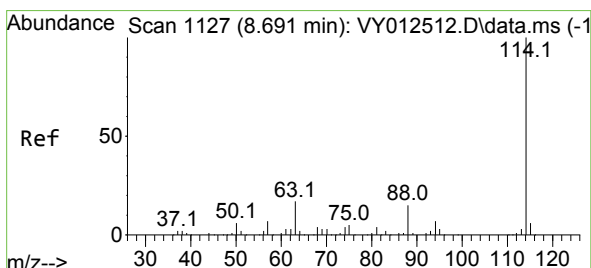
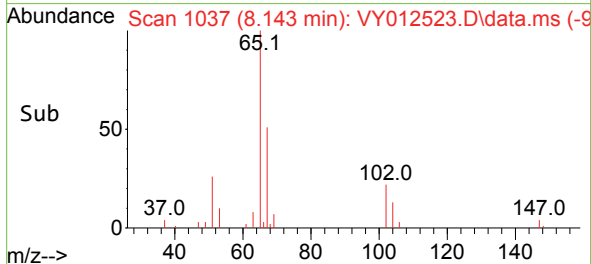
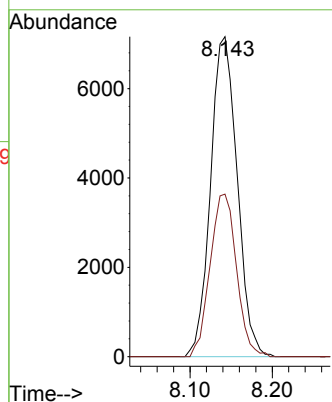
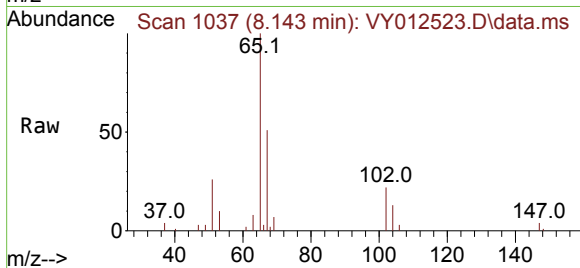




#33
 1,2-Dichloroethane-d4
 Concen: 42.265 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY012523.D
 Acq: 07 Feb 2023 17:00

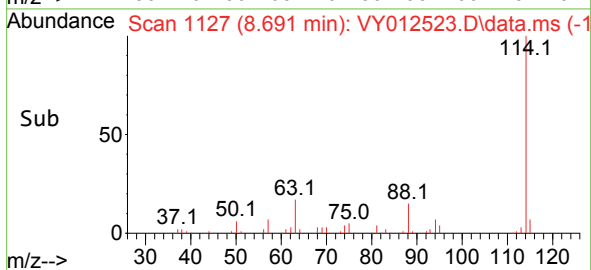
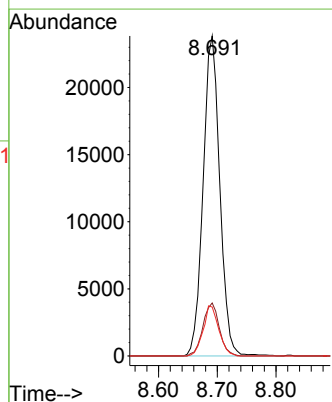
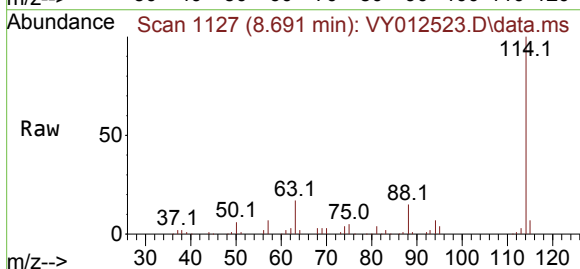
Instrument :
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 A-3

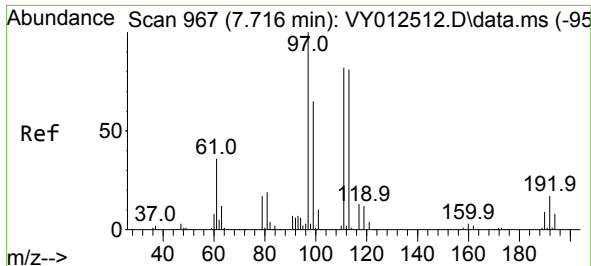
Tgt Ion: 65 Resp: 16128
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012523.D
 Acq: 07 Feb 2023 17:00

Tgt Ion: 114 Resp: 47054
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 33.6
 88 15.3 0.0 29.8

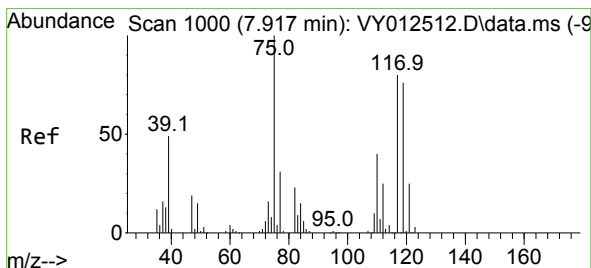
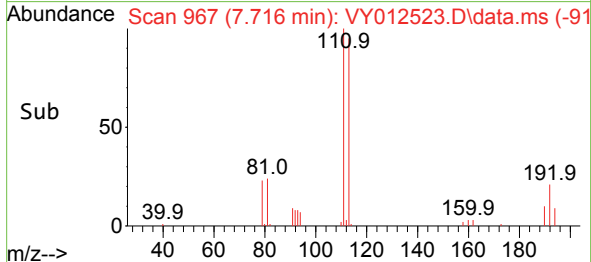
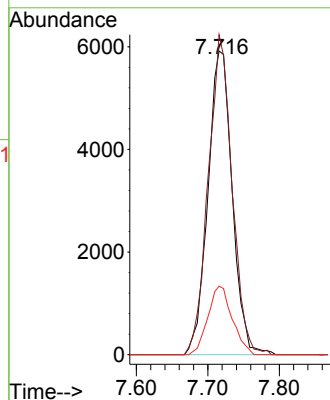
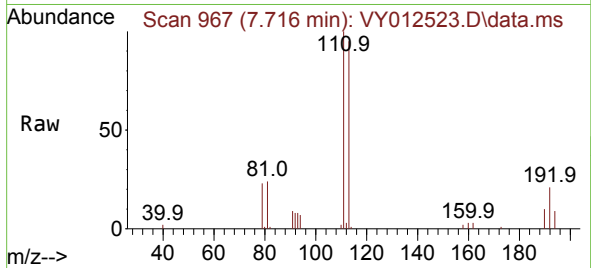




#35
 Dibromofluoromethane
 Concen: 40.773 ug/l
 RT: 7.716 min Scan# 910
 Delta R.T. 0.000 min
 Lab File: VY012523.D
 Acq: 07 Feb 2023 17:00

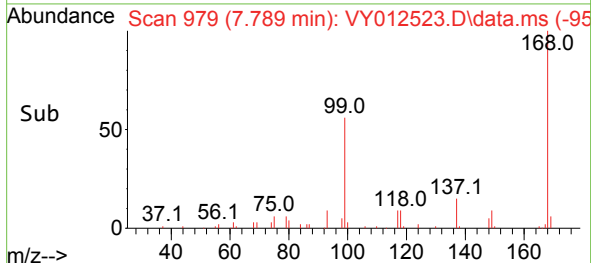
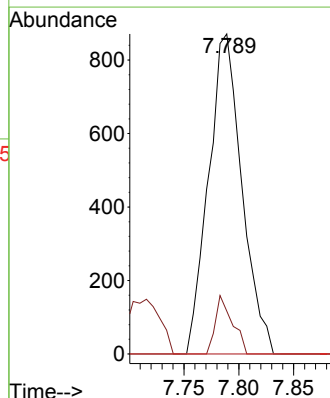
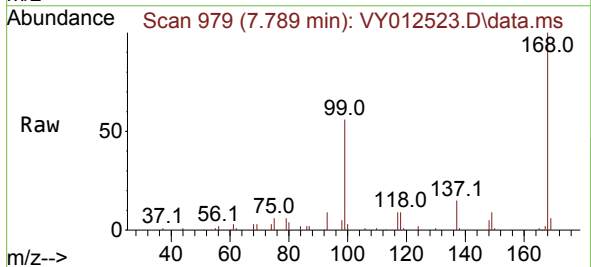
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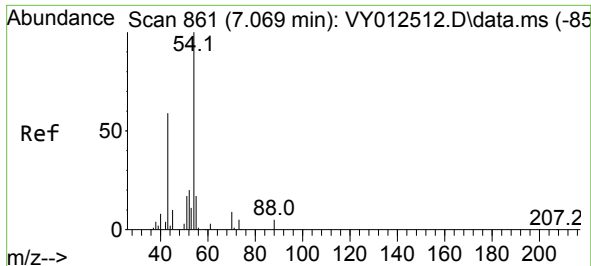
Tgt Ion:113 Resp: 13972
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.9 122.9
 192 22.6 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 3.980 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY012523.D
 Acq: 07 Feb 2023 17:00

Tgt Ion: 75 Resp: 1846
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.5 58.5#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.003 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY012523.D

Acq: 07 Feb 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

A-3

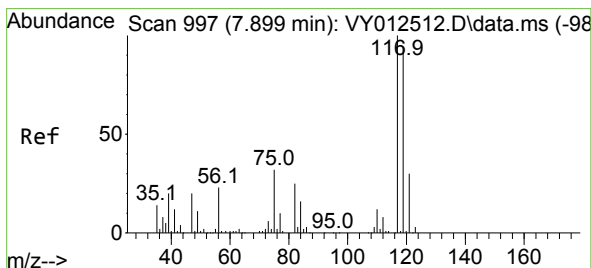
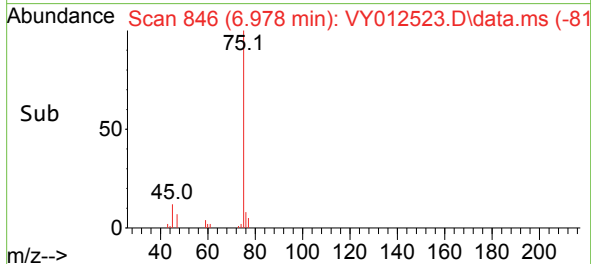
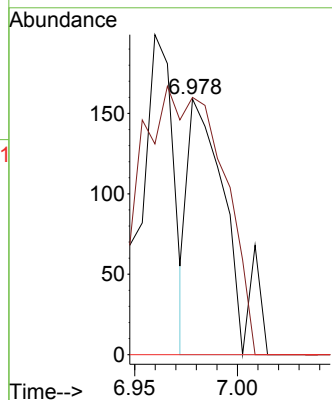
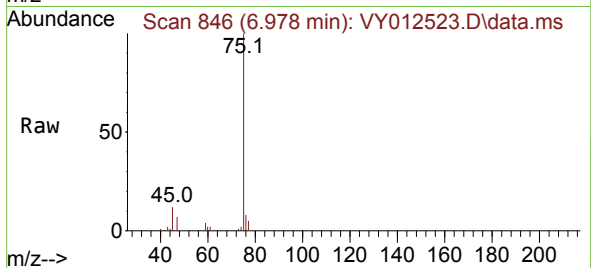
Tgt Ion: 43 Resp: 210

Ion Ratio Lower Upper

43 100

61 0.0 12.5 18.7#

70 0.0 11.0 16.4#



#38

Carbon Tetrachloride

Concen: 4.665 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012523.D

Acq: 07 Feb 2023 17:00

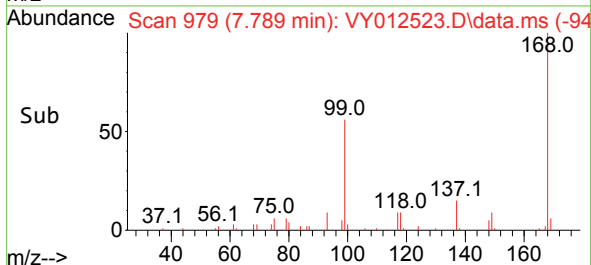
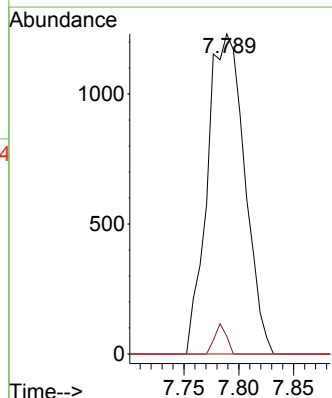
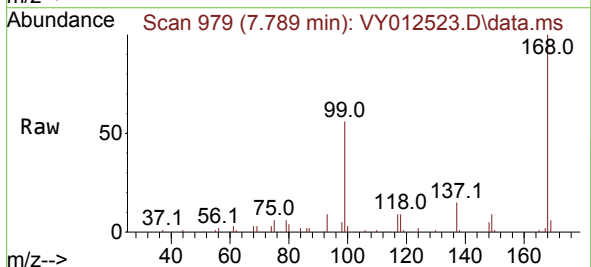
Tgt Ion: 117 Resp: 2904

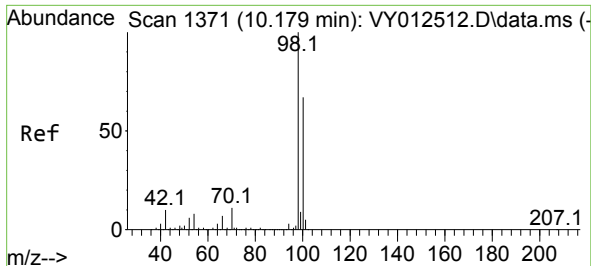
Ion Ratio Lower Upper

117 100

119 5.5 75.1 112.7#

121 0.0 24.3 36.5#

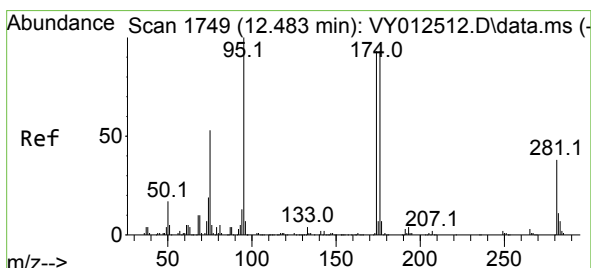
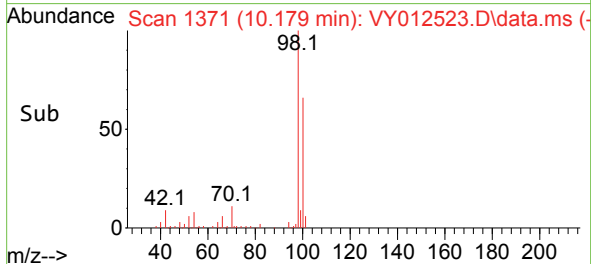
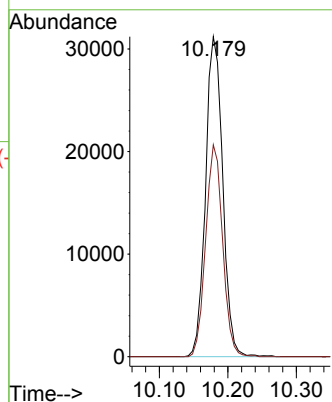
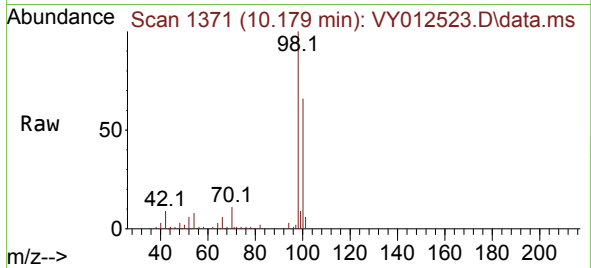




#50
Toluene-d8
Concen: 38.086 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012523.D
Acq: 07 Feb 2023 17:00

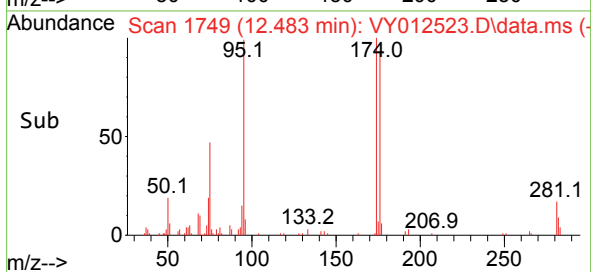
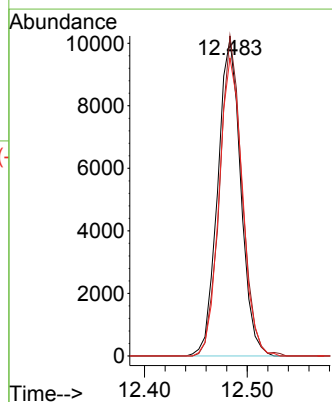
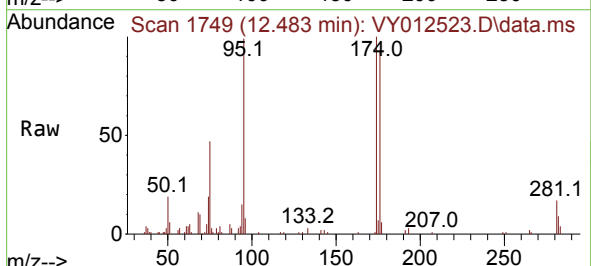
Instrument :
MSVOA_Y
ClientSampleId :
A-3

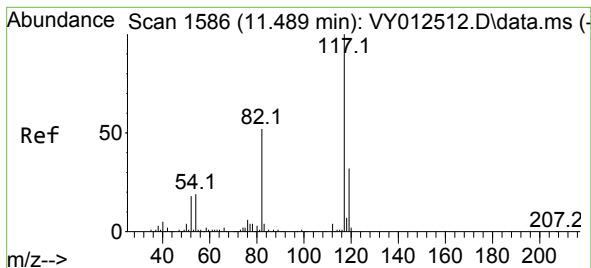
Tgt Ion: 98 Resp: 54322
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 31.670 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012523.D
Acq: 07 Feb 2023 17:00

Tgt Ion: 95 Resp: 15756
Ion Ratio Lower Upper
95 100
174 97.6 0.0 188.0
176 95.0 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012523.D

Acq: 07 Feb 2023 17:00

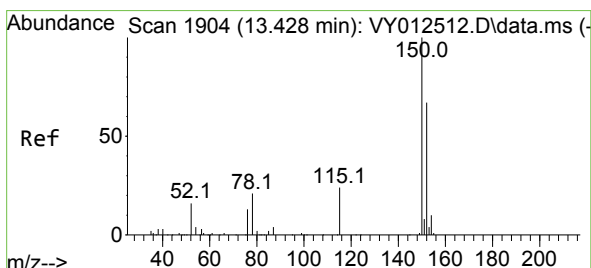
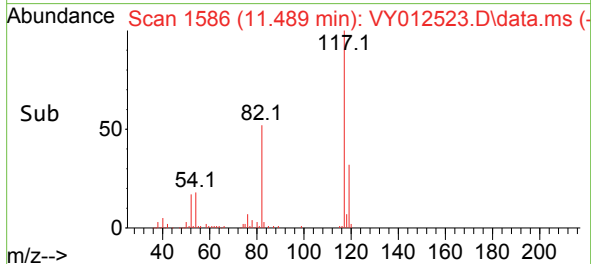
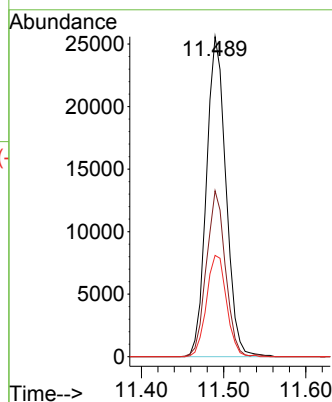
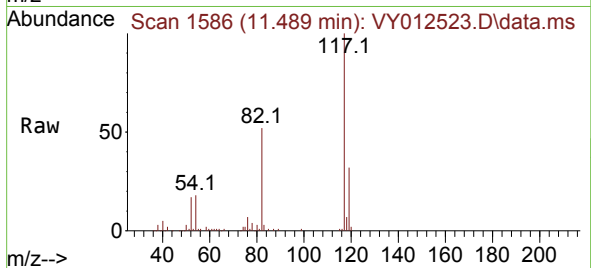
Instrument :

MSVOA_Y

ClientSampleId :

A-3

Tgt Ion:117	Resp:	42146
Ion	Ratio	Lower Upper
117	100	
82	51.8	41.7 62.5
119	31.6	25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

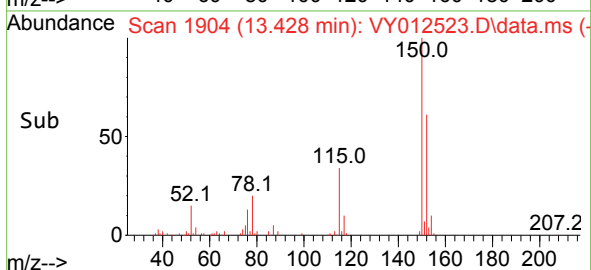
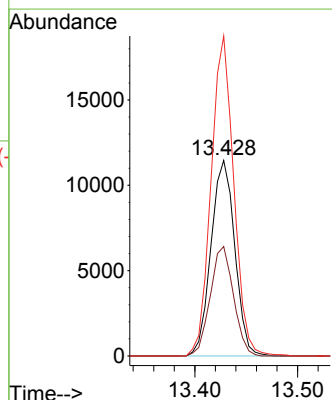
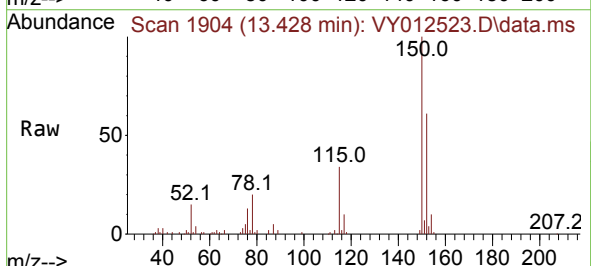
RT: 13.428 min Scan# 1904

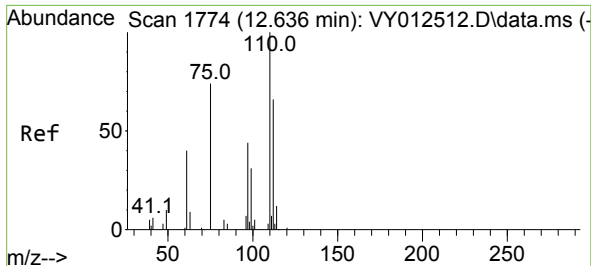
Delta R.T. 0.000 min

Lab File: VY012523.D

Acq: 07 Feb 2023 17:00

Tgt Ion:152	Resp:	18401
Ion	Ratio	Lower Upper
152	100	
115	54.8	28.1 84.3
150	156.0	0.0 351.0

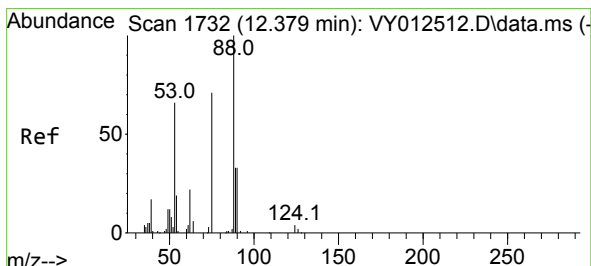
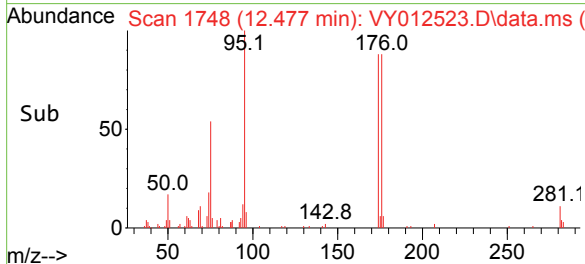
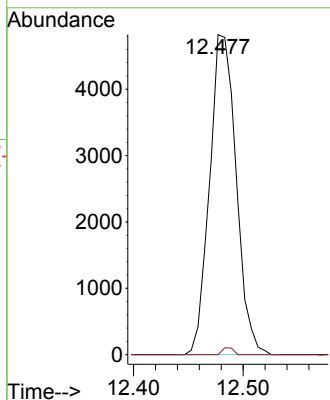
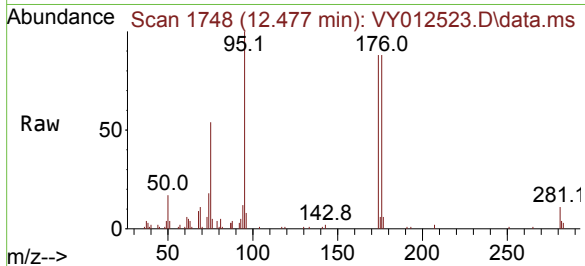




#76
1,2,3-Trichloropropane
Concen: 39.570 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012523.D
Acq: 07 Feb 2023 17:00

Instrument :
MSVOA_Y
ClientSampleId :
A-3

Tgt Ion: 75 Resp: 8135
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.234 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012523.D
Acq: 07 Feb 2023 17:00

Tgt Ion: 75 Resp: 8135
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

