

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021723\
 Data File : VY012657.D
 Acq On : 17 Feb 2023 17:39
 Operator : KP/MD
 Sample : 01586-07
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-4

Quant Time: Feb 17 22:48:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 18:08:19 2023
 Response via : Initial Calibration

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

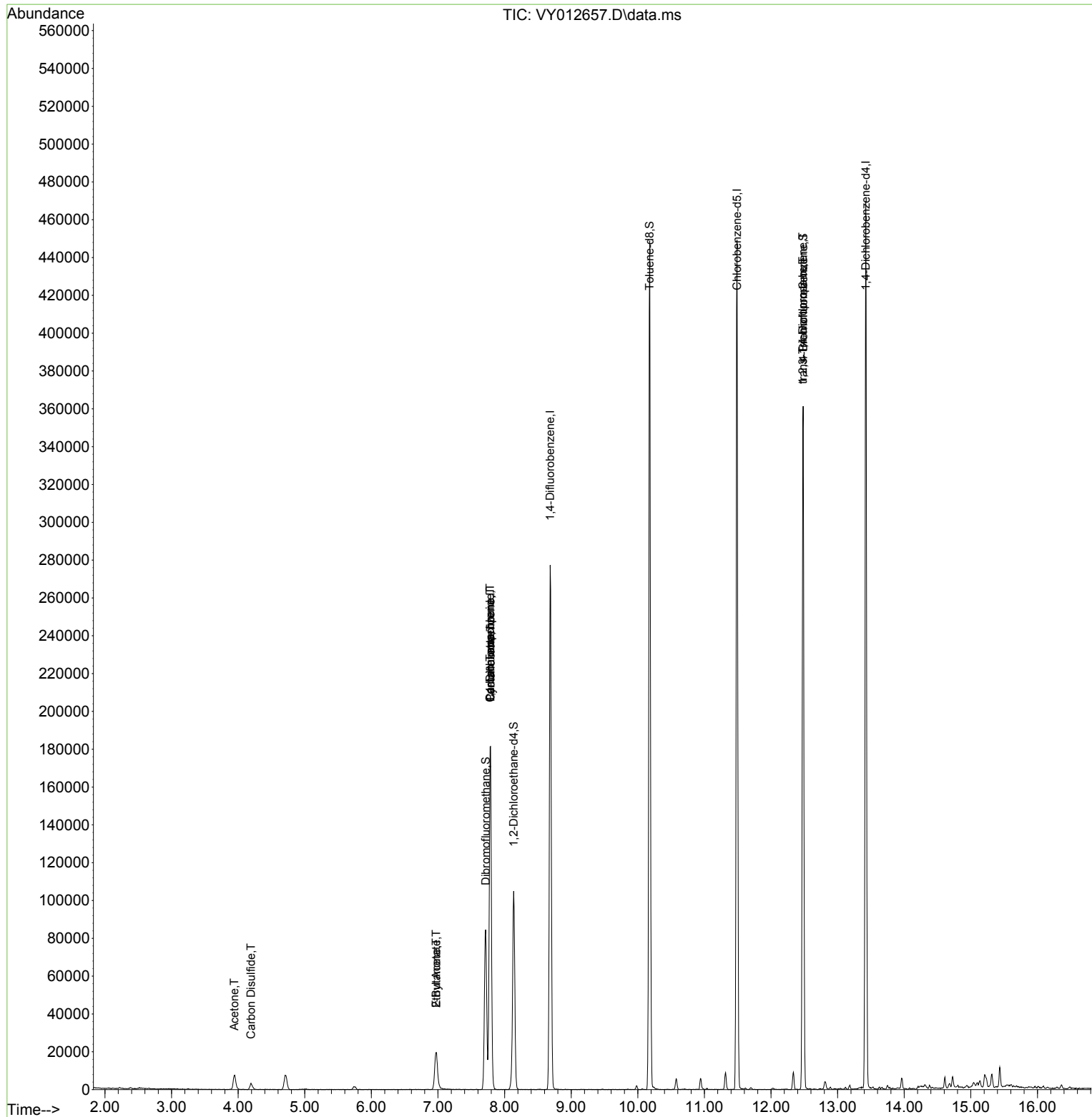
Internal Standards						
1) Pentafluorobenzene	7.789	168	148565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	248863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86053	45.550	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.100%
35) Dibromofluoromethane	7.716	113	58392	32.219	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	64.440%
50) Toluene-d8	10.179	98	297063	39.379	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.760%
62) 4-Bromofluorobenzene	12.483	95	103480	39.328	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.660%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	288	Below Cal	#	75
16) Acetone	3.942	43	13307	29.266	ug/l	100
17) Carbon Disulfide	4.192	76	4436	1.156	ug/l #	93
20) Methylene Chloride	4.704	84	6521	Below Cal		90
25) 2-Butanone	6.972	43	2001	3.966	ug/l #	74
31) Cyclohexane	7.789	56	2388	1.093	ug/l #	24
36) 1,1-Dichloropropene	7.783	75	9578	3.905	ug/l #	49
37) Ethyl Acetate	6.972	43	2001	1.808	ug/l #	77
38) Carbon Tetrachloride	7.783	117	14506	4.406	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	56147	39.905	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56147	89.988	ug/l #	12

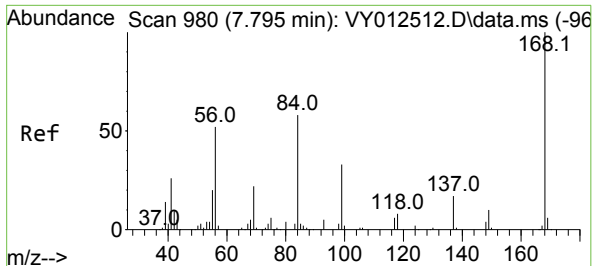
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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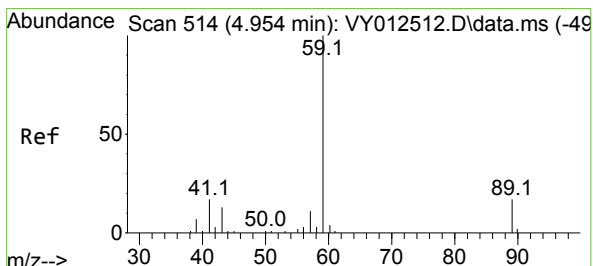
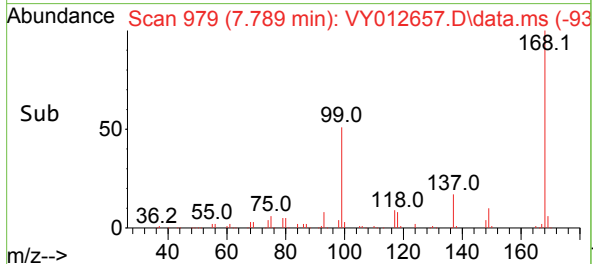
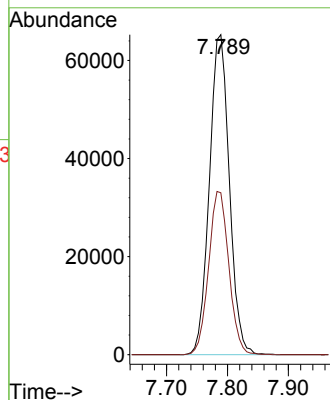
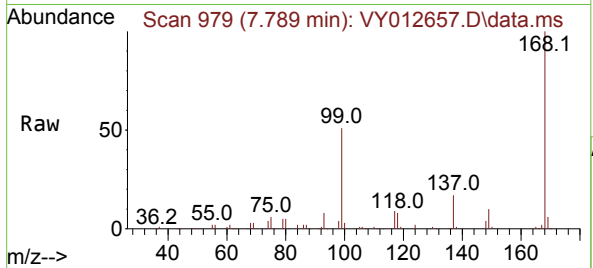




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012657.D
Acq: 17 Feb 2023 17:39

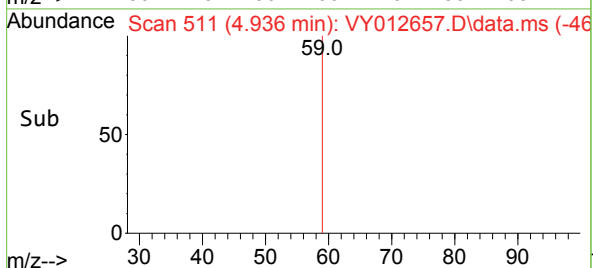
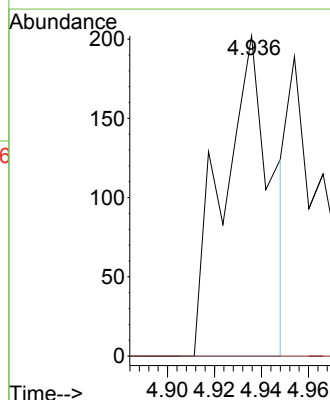
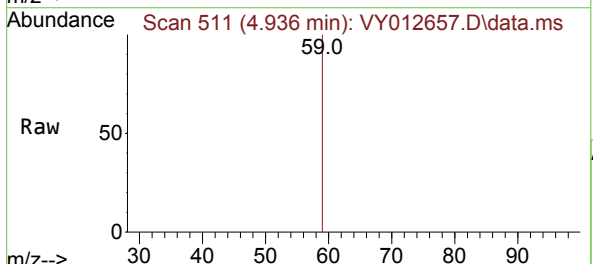
Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

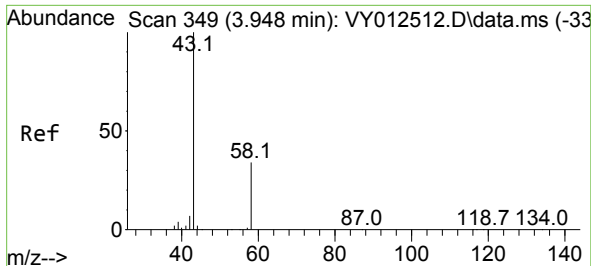
Tgt Ion:168 Resp: 148565
Ion Ratio Lower Upper
168 100
99 50.6 40.8 61.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY012657.D
Acq: 17 Feb 2023 17:39

Tgt Ion: 59 Resp: 288
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 29.266 ug/l

RT: 3.942 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY012657.D

Acq: 17 Feb 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

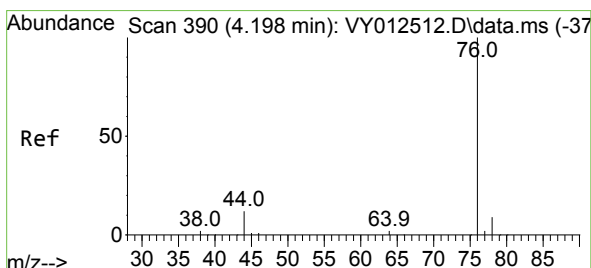
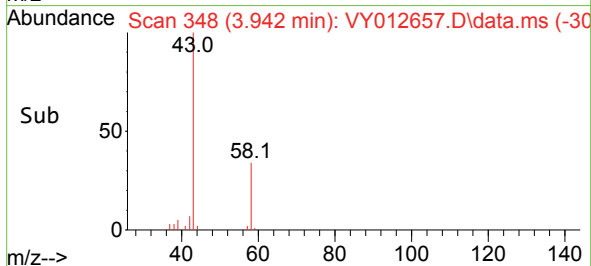
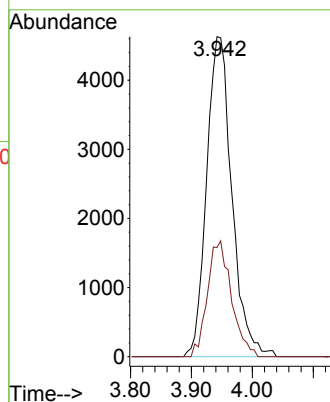
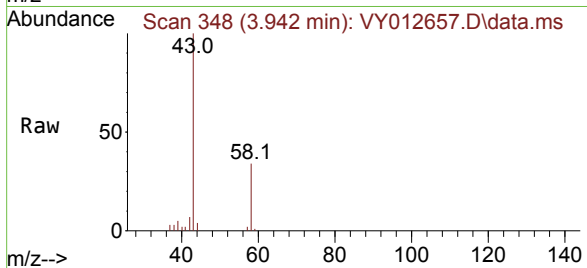
COMP-4

Tgt Ion: 43 Resp: 13307

Ion Ratio Lower Upper

43 100

58 34.1 27.1 40.7



#17

Carbon Disulfide

Concen: 1.156 ug/l

RT: 4.192 min Scan# 389

Delta R.T. -0.006 min

Lab File: VY012657.D

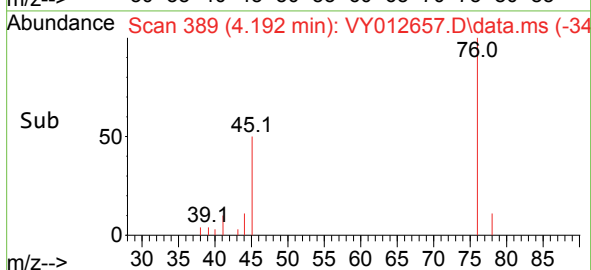
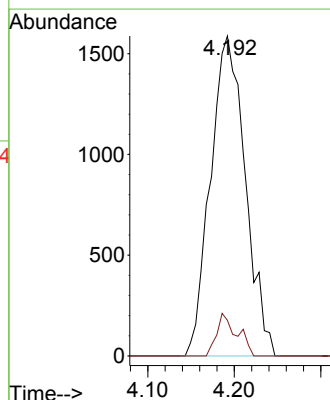
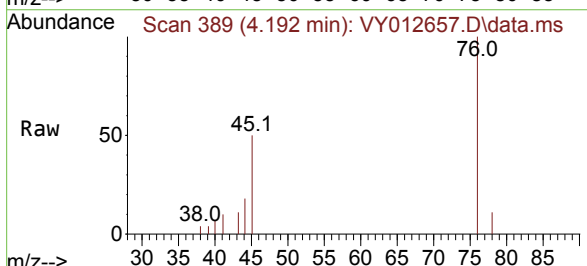
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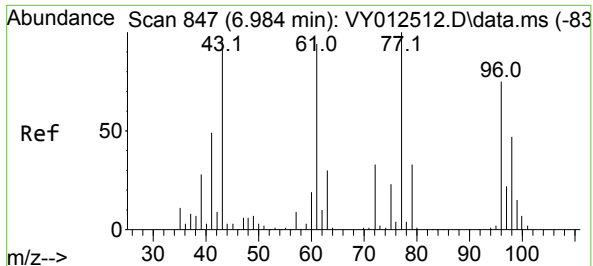
Tgt Ion: 76 Resp: 4436

Ion Ratio Lower Upper

76 100

78 11.1 6.9 10.3#





#25

2-Butanone

Concen: 3.966 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012657.D

Acq: 17 Feb 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

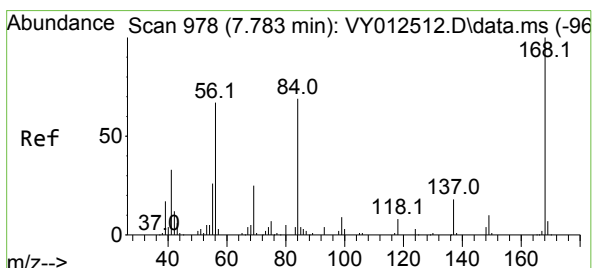
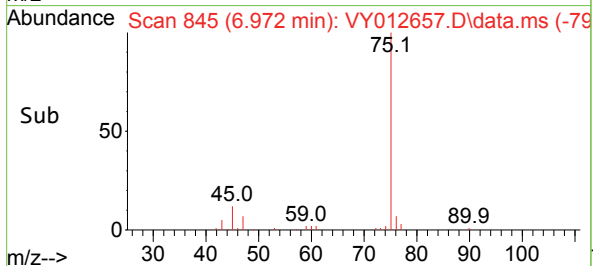
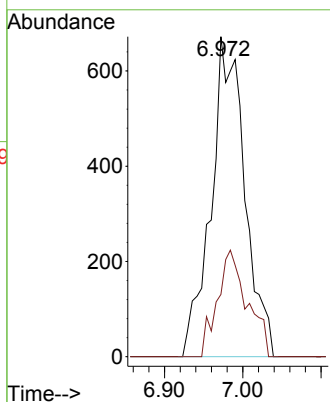
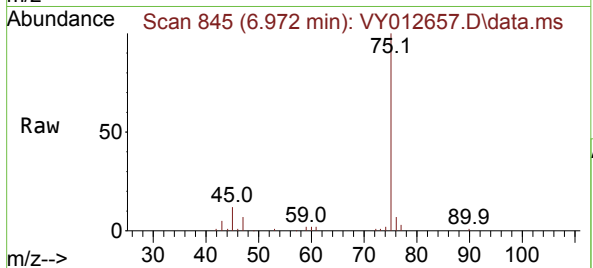
COMP-4

Tgt Ion: 43 Resp: 2001

Ion Ratio Lower Upper

43 100

72 19.5 27.4 41.2#



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012657.D

Acq: 17 Feb 2023 17:39

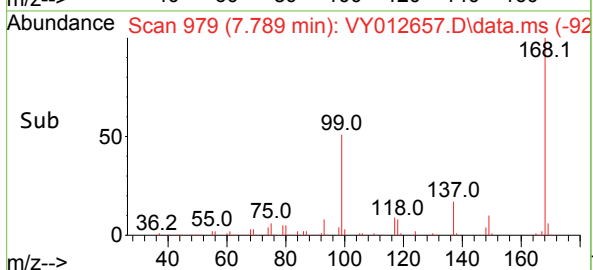
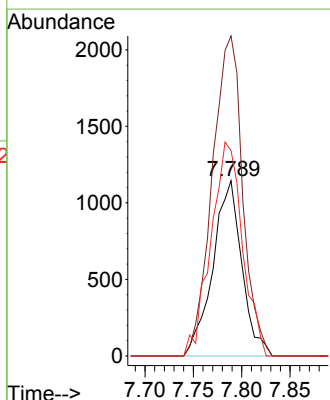
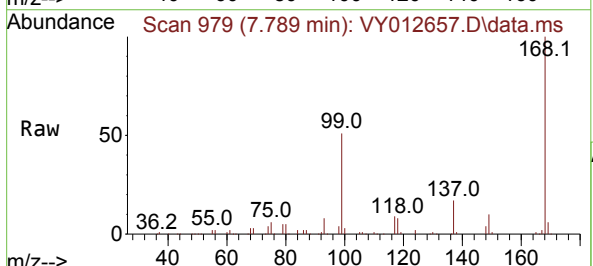
Tgt Ion: 56 Resp: 2388

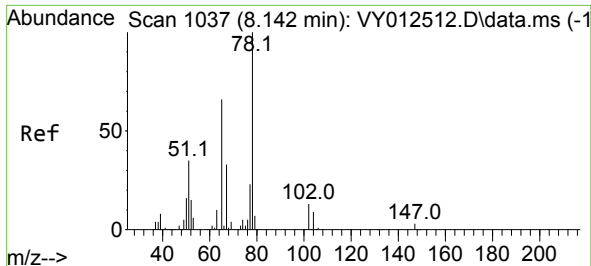
Ion Ratio Lower Upper

56 100

69 182.6 29.5 44.3#

84 117.2 81.9 122.9

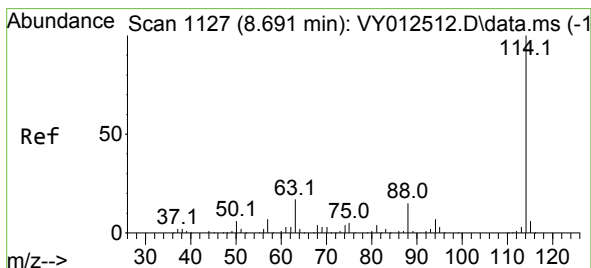
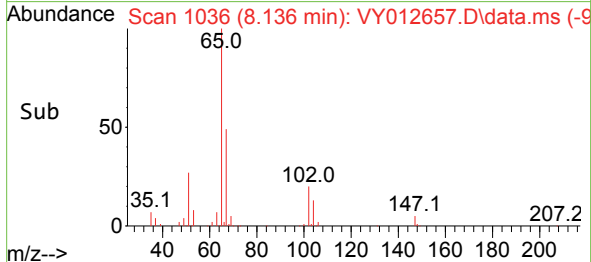
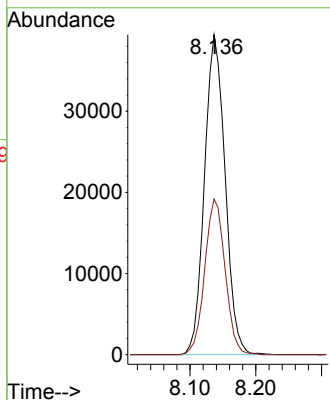
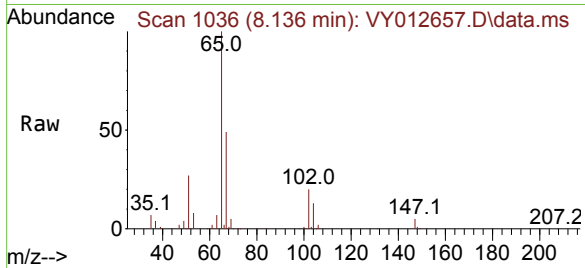




#33
 1,2-Dichloroethane-d4
 Concen: 45.550 ug/l
 RT: 8.136 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: VY012657.D
 Acq: 17 Feb 2023 17:39

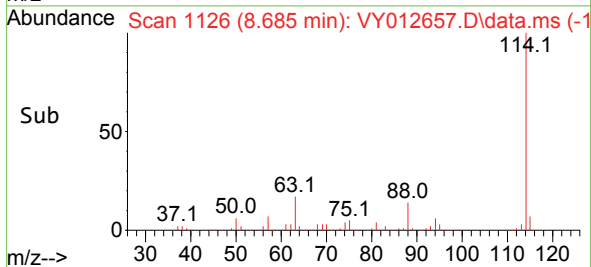
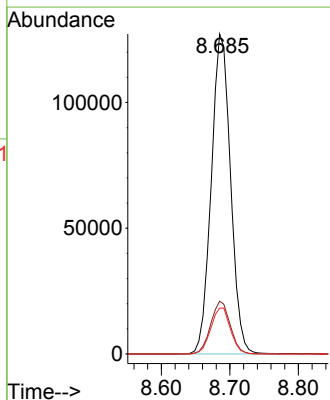
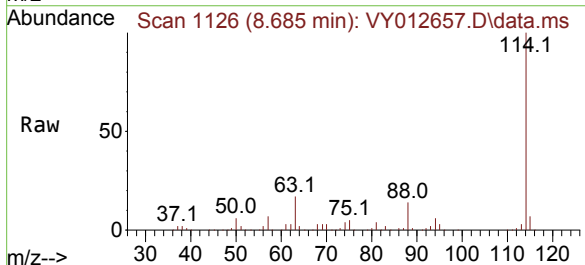
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-4

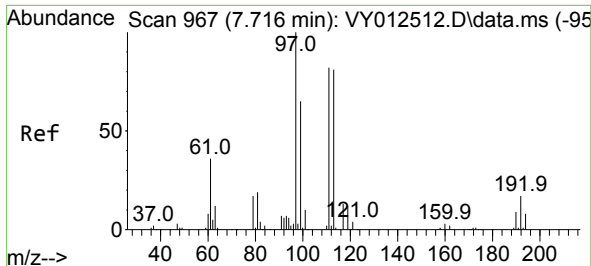
Tgt Ion: 65 Resp: 86053
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY012657.D
 Acq: 17 Feb 2023 17:39

Tgt Ion:114 Resp: 248863
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 33.6
 88 14.3 0.0 29.8

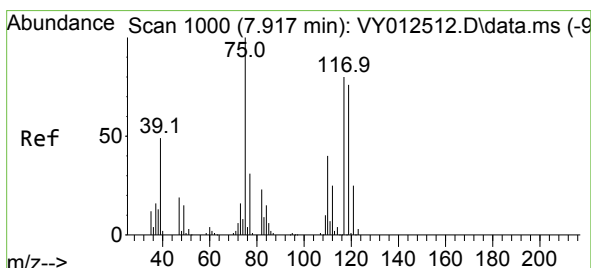
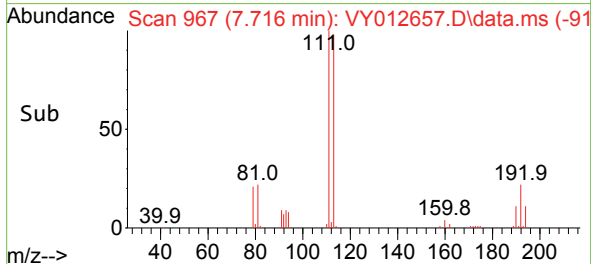
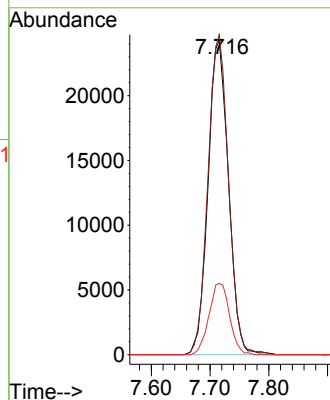
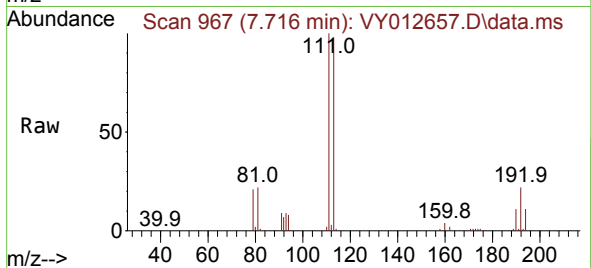




#35
Dibromofluoromethane
Concen: 32.219 ug/l
RT: 7.716 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY012657.D
Acq: 17 Feb 2023 17:39

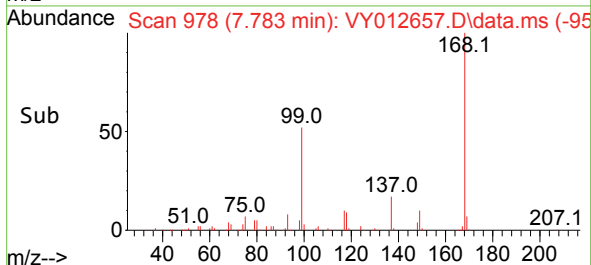
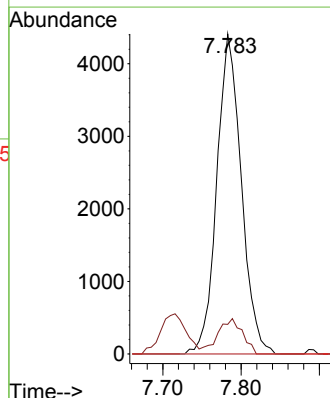
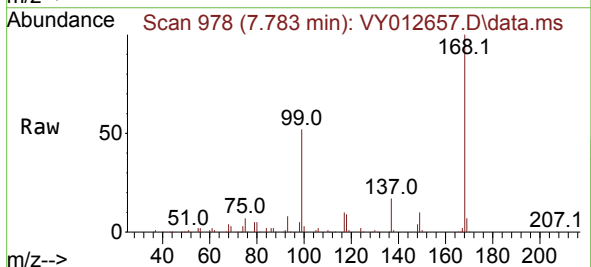
Instrument :
MSVOA_Y
ClientSampleId :
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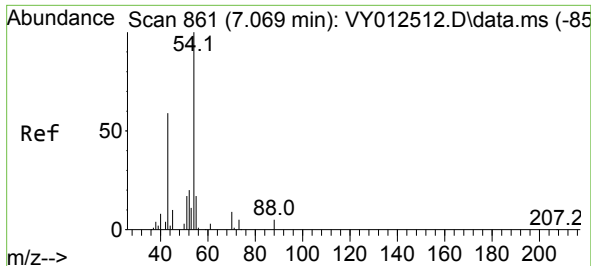
Tgt Ion:113 Resp: 58392
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 23.0 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.905 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012657.D
Acq: 17 Feb 2023 17:39

Tgt Ion: 75 Resp: 9578
Ion Ratio Lower Upper
75 100
110 10.8 19.5 58.5#
77 0.0 24.9 37.3#

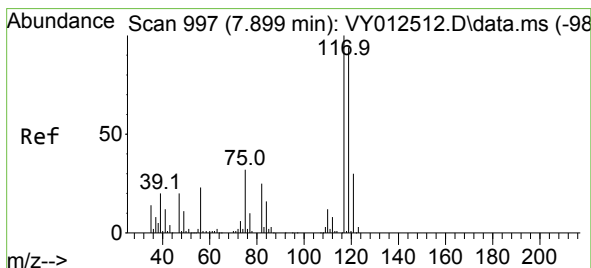
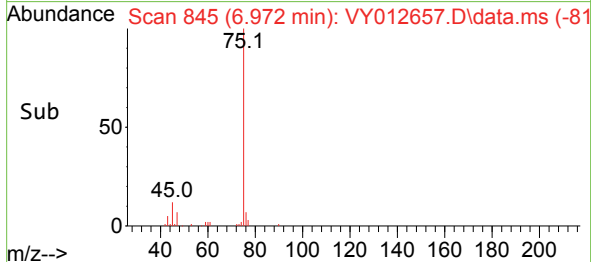
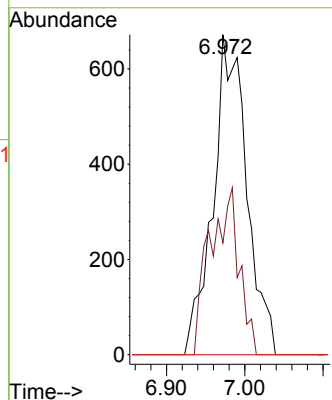
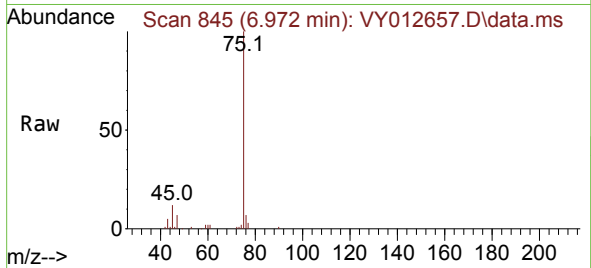




#37
Ethyl Acetate
Concen: 1.808 ug/l
RT: 6.972 min Scan# 841
Delta R.T. -0.097 min
Lab File: VY012657.D
Acq: 17 Feb 2023 17:39

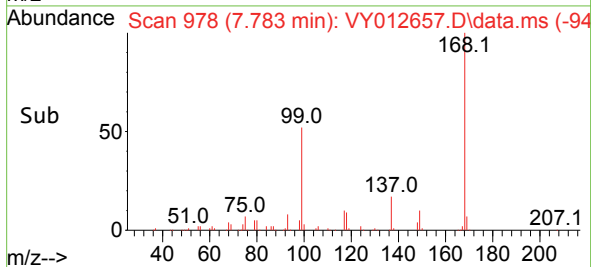
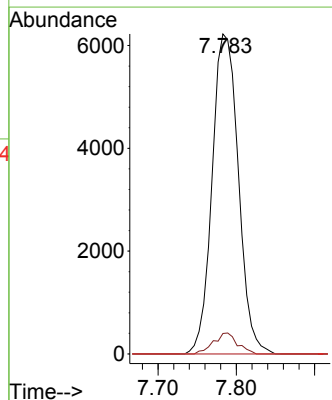
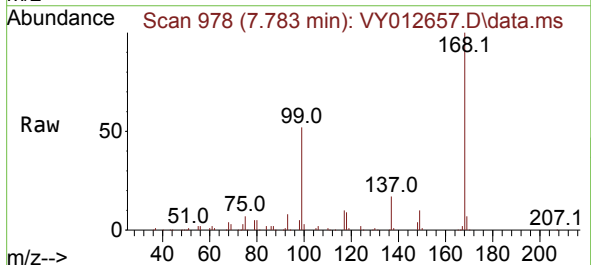
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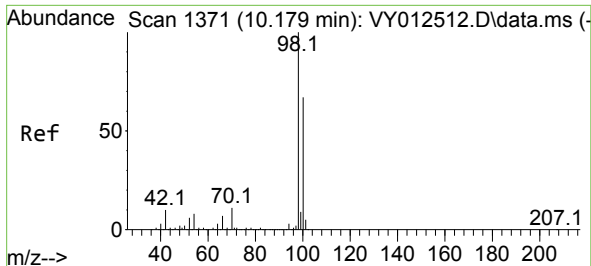
Tgt Ion: 43 Resp: 2001
Ion Ratio Lower Upper
43 100
61 21.0 12.5 18.7#
70 0.0 11.0 16.4#



#38
Carbon Tetrachloride
Concen: 4.406 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012657.D
Acq: 17 Feb 2023 17:39

Tgt Ion: 117 Resp: 14506
Ion Ratio Lower Upper
117 100
119 6.4 75.1 112.7#
121 0.0 24.3 36.5#

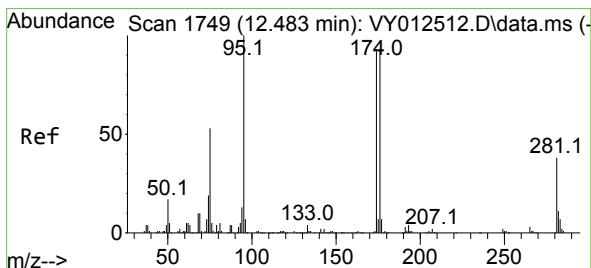
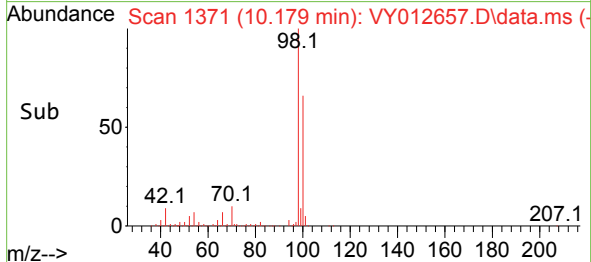
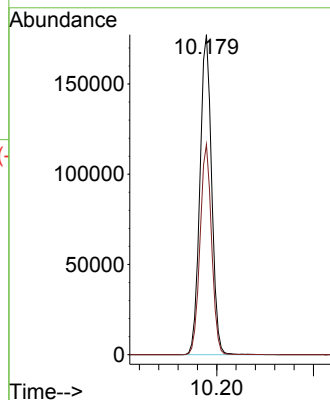
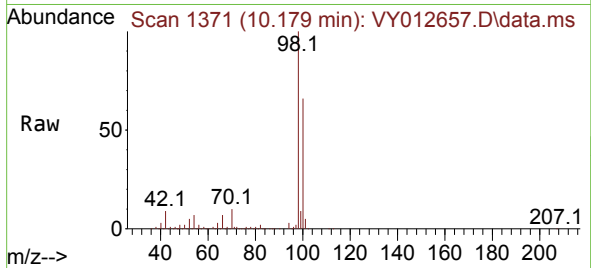




#50
Toluene-d8
Concen: 39.379 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012657.D
Acq: 17 Feb 2023 17:39

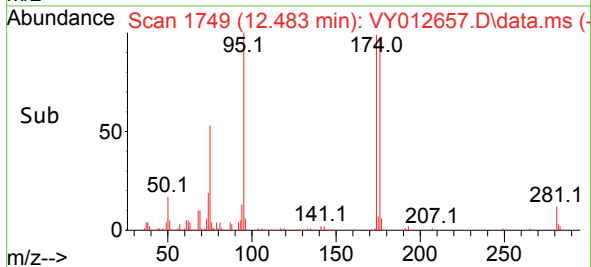
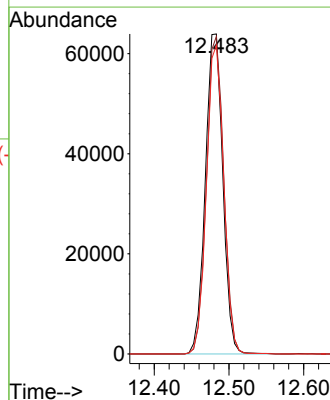
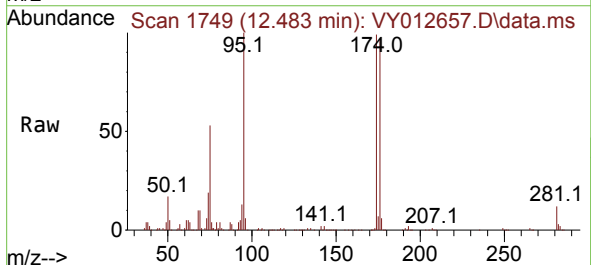
Instrument :
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COMP-4

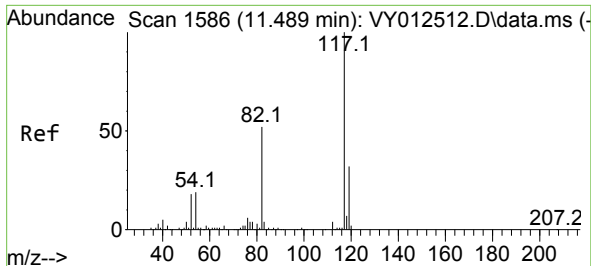
Tgt Ion: 98 Resp: 297063
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 39.328 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012657.D
Acq: 17 Feb 2023 17:39

Tgt Ion: 95 Resp: 103480
Ion Ratio Lower Upper
95 100
174 98.4 0.0 188.0
176 95.7 0.0 183.6

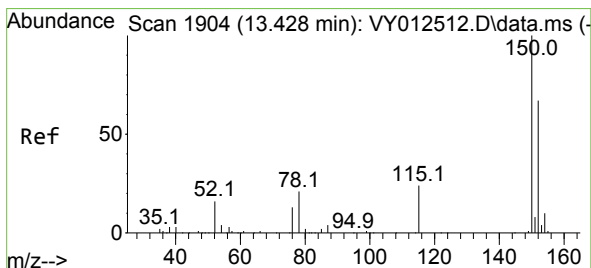
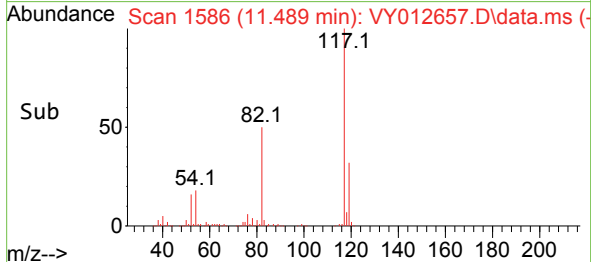
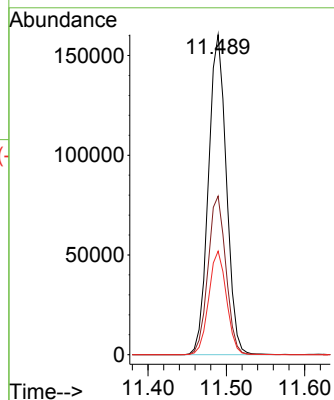
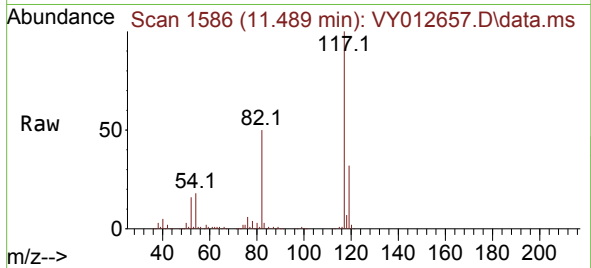




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012657.D
Acq: 17 Feb 2023 17:39

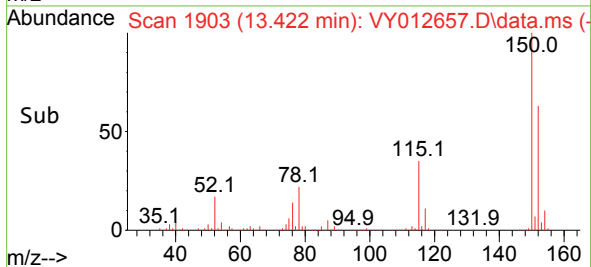
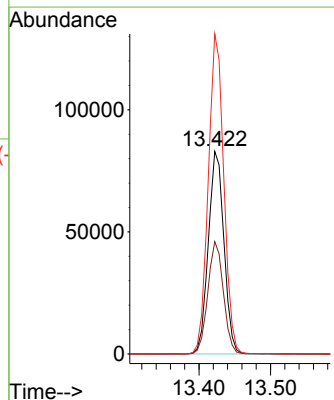
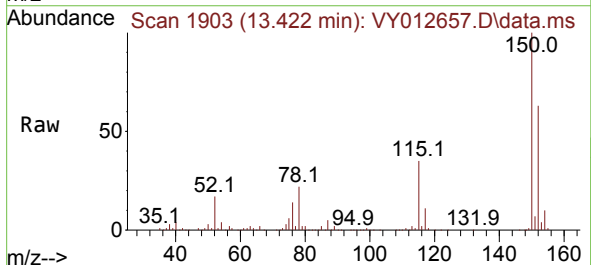
Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

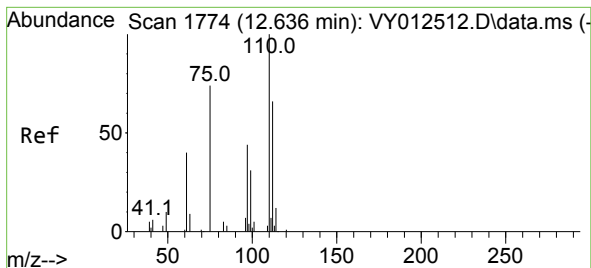
Tgt Ion:117 Resp: 254800
Ion Ratio Lower Upper
117 100
82 49.5 41.7 62.5
119 32.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012657.D
Acq: 17 Feb 2023 17:39

Tgt Ion:152 Resp: 125937
Ion Ratio Lower Upper
152 100
115 55.3 28.1 84.3
150 156.9 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 39.905 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY012657.D

Acq: 17 Feb 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

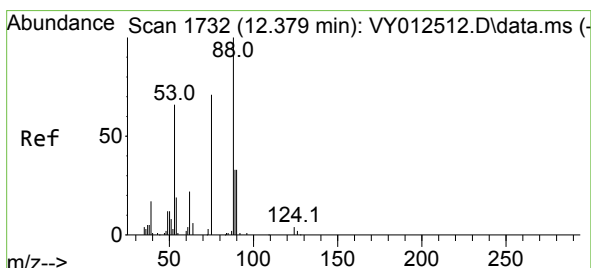
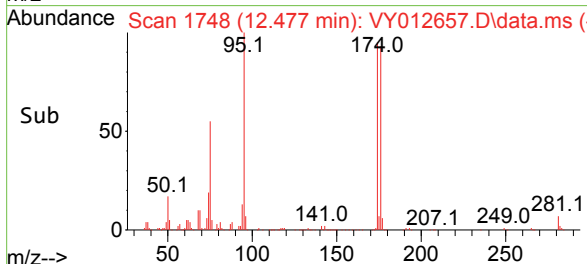
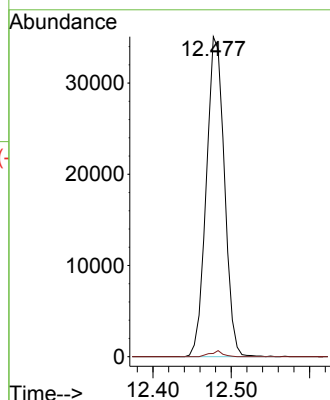
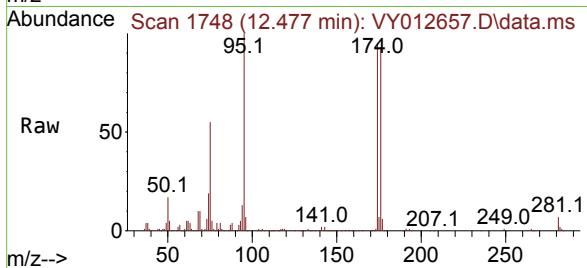
COMP-4

Tgt Ion: 75 Resp: 56147

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.988 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY012657.D

Acq: 17 Feb 2023 17:39

Tgt Ion: 75 Resp: 56147

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.2 39.9 59.9#

