

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014949.D
 Acq On : 03 Aug 2023 15:28
 Operator : SY/MD
 Sample : 03877-04
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Aug 04 04:32:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

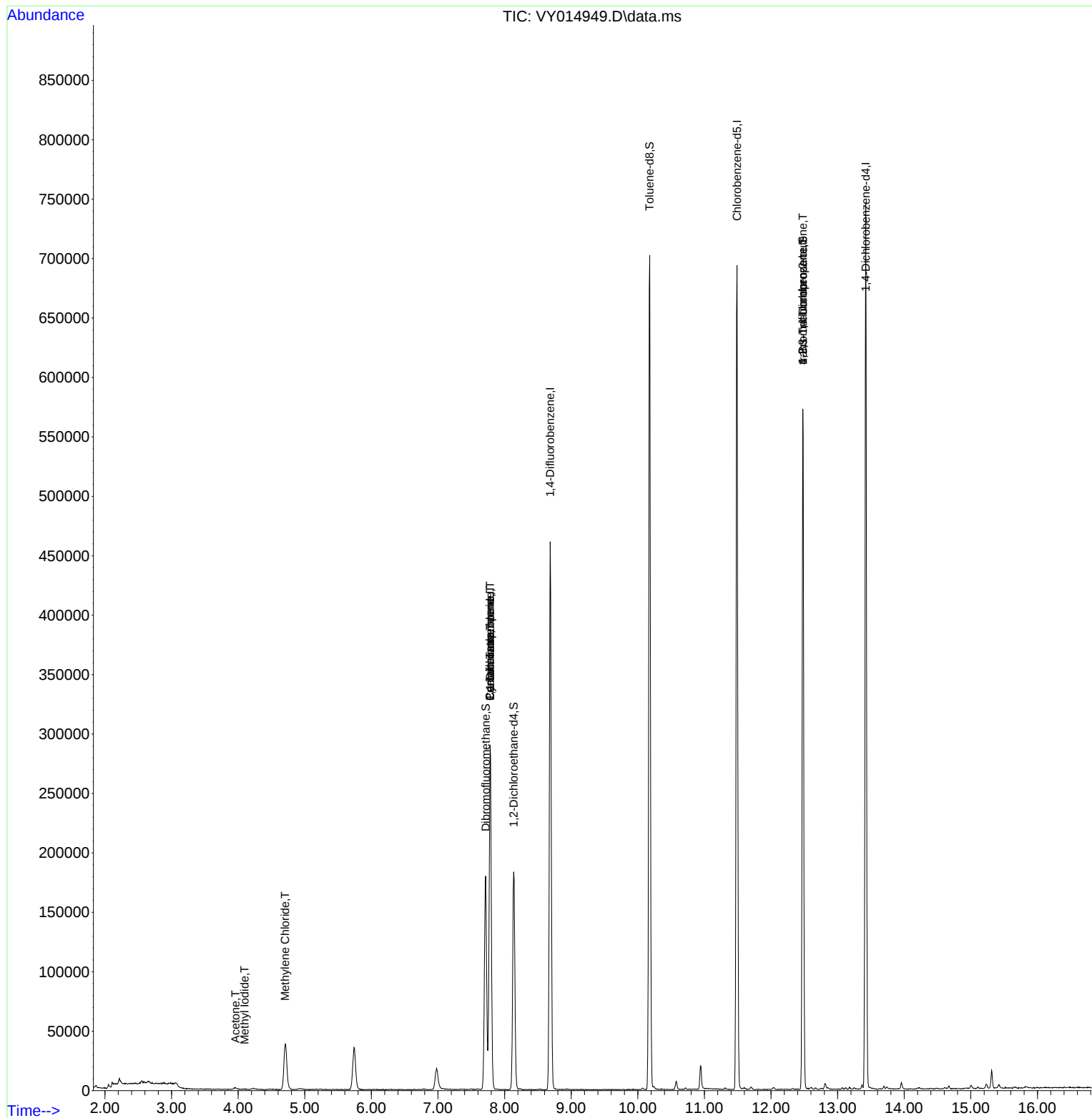
Internal Standards						
1) Pentafluorobenzene	7.783	168	221694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	392028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	375323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	184147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	147515	58.392	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	116.780%	
35) Dibromofluoromethane	7.716	113	124730	49.981	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	99.960%	
50) Toluene-d8	10.179	98	462655	50.285	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	100.580%	
62) 4-Bromofluorobenzene	12.477	95	175706	49.805	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	99.620%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	486	2.556	ug/l #	53
11) Tert butyl alcohol	4.917	59	544	Below Cal	#	89
16) Acetone	3.960	43	3037	3.794	ug/l	93
20) Methylene Chloride	4.704	84	30363	8.140	ug/l #	84
31) Cyclohexane	7.783	56	4812	1.147	ug/l #	21
36) 1,1-Dichloropropene	7.783	75	17556	4.704	ug/l #	50
38) Carbon Tetrachloride	7.783	117	22301	5.653	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	94264	40.531	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	94264	78.475	ug/l #	11

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

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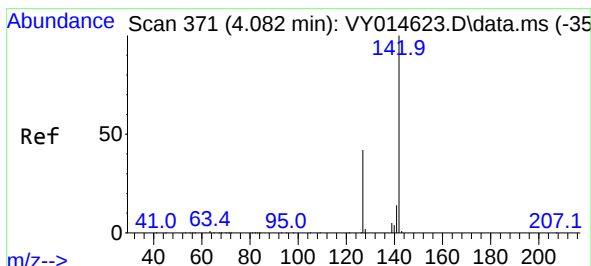
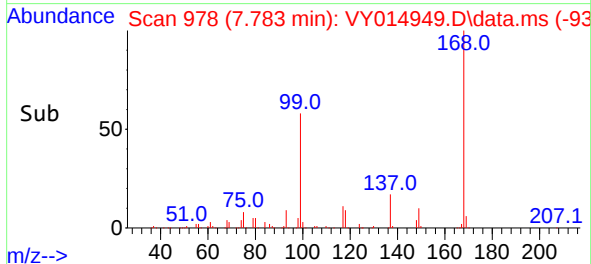
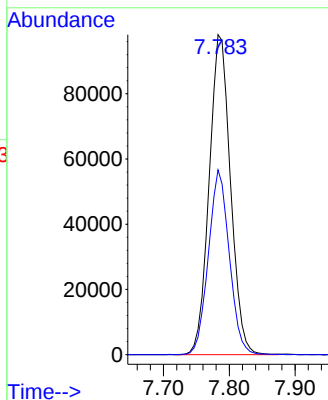
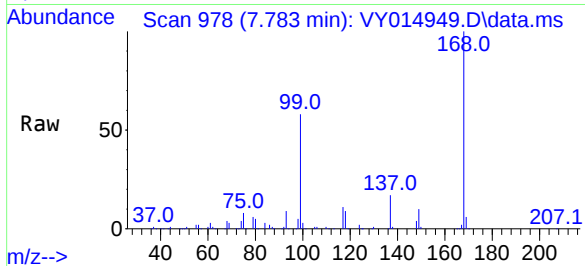




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

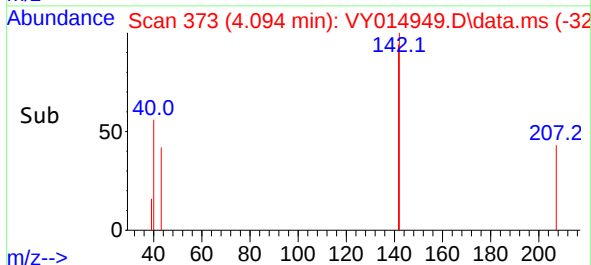
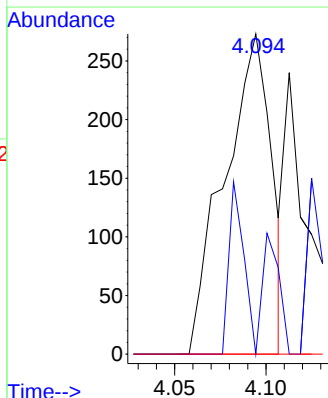
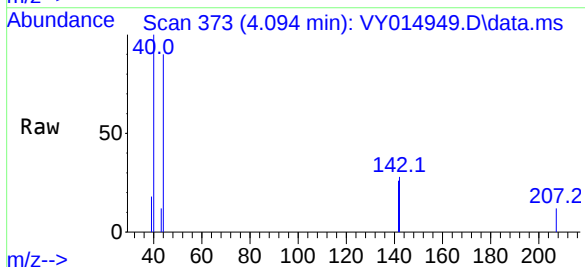
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

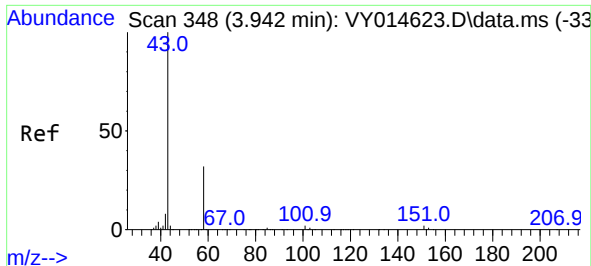
Tgt Ion:168 Resp: 221694
Ion Ratio Lower Upper
168 100
99 57.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.556 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

Tgt Ion:142 Resp: 486
Ion Ratio Lower Upper
142 100
127 13.4 37.6 56.4#
141 0.0 11.8 17.8#

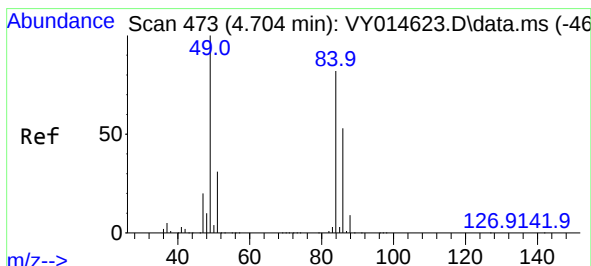
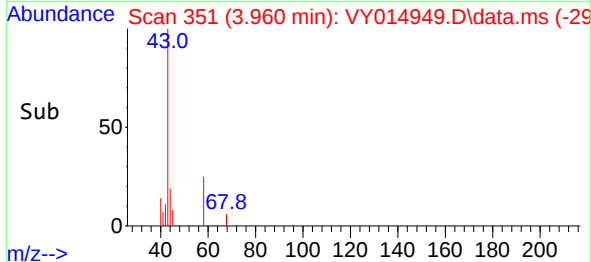
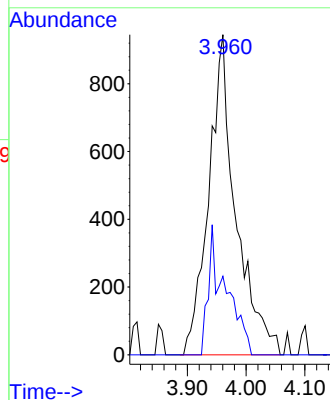
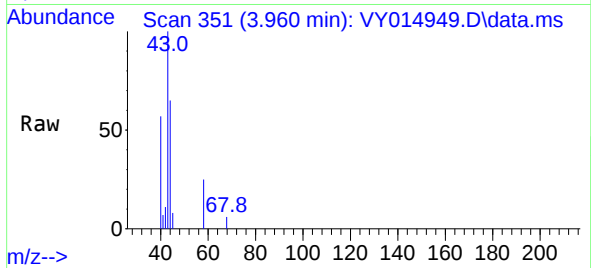




#16
Acetone
Concen: 3.794 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

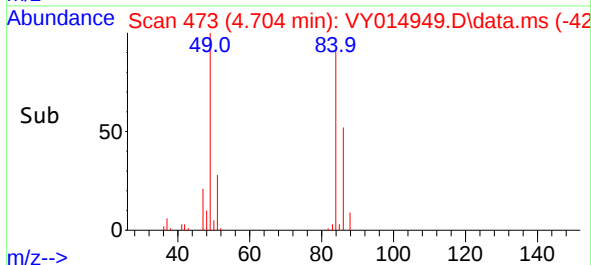
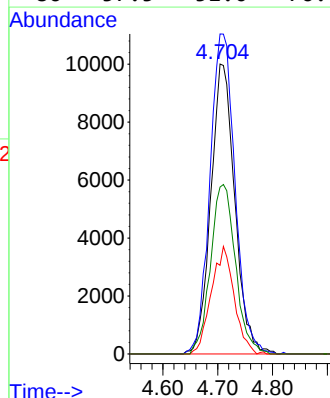
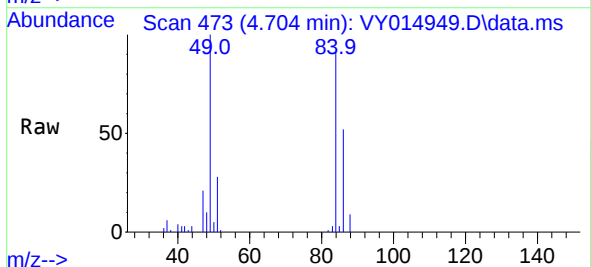
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

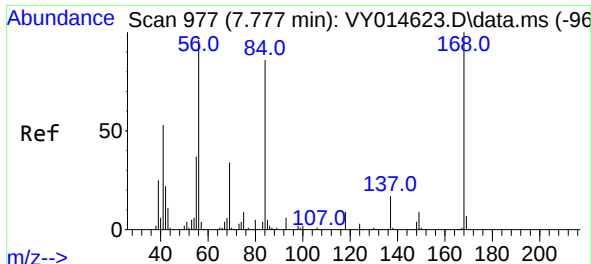
Tgt Ion: 43 Resp: 3037
Ion Ratio Lower Upper
43 100
58 24.6 22.7 34.1



#20
Methylene Chloride
Concen: 8.140 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

Tgt Ion: 84 Resp: 30363
Ion Ratio Lower Upper
84 100
49 110.4 106.9 160.3
51 30.6 33.2 49.8#
86 57.5 51.0 76.6

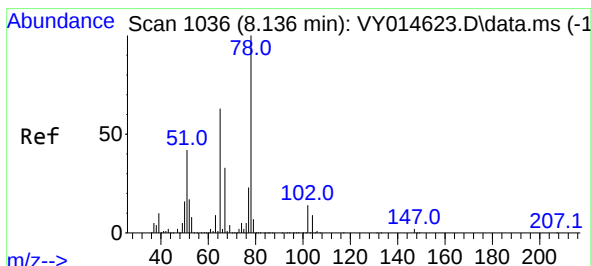
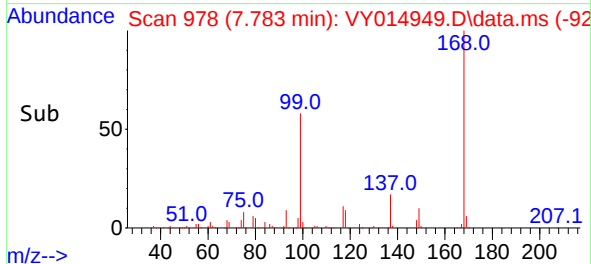
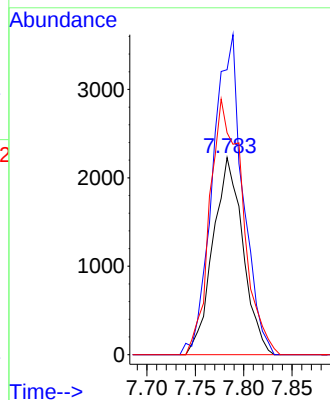
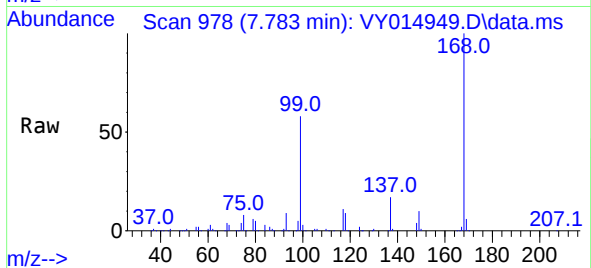




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

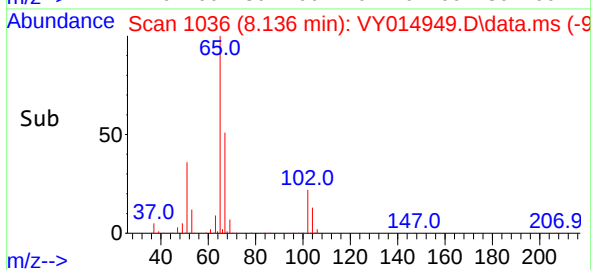
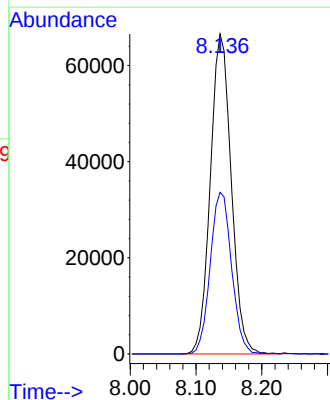
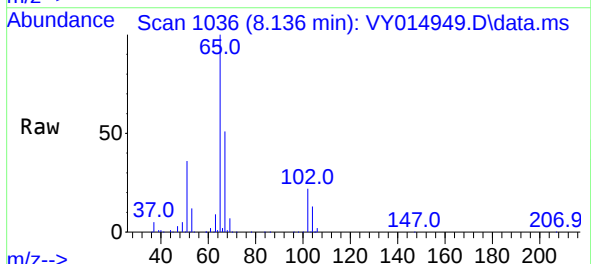
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

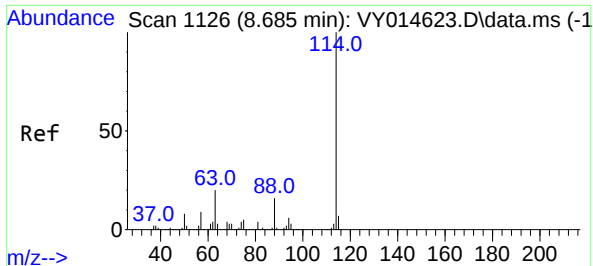
Tgt Ion: 56 Resp: 4812
Ion Ratio Lower Upper
56 100
69 144.6 27.8 41.6#
84 112.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.392 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

Tgt Ion: 65 Resp: 147515
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014949.D

Acq: 03 Aug 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

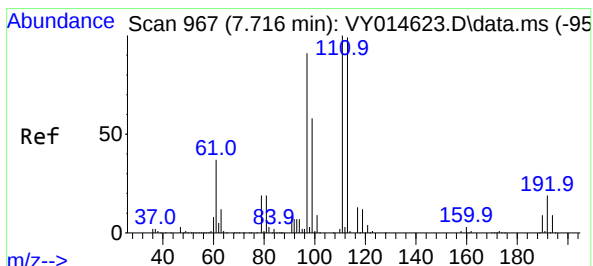
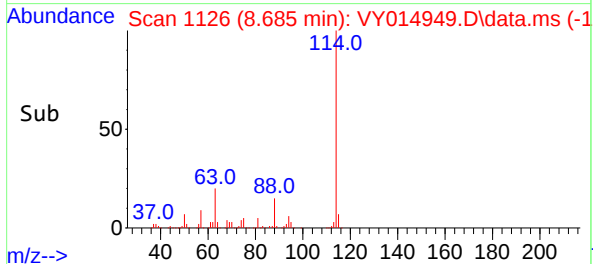
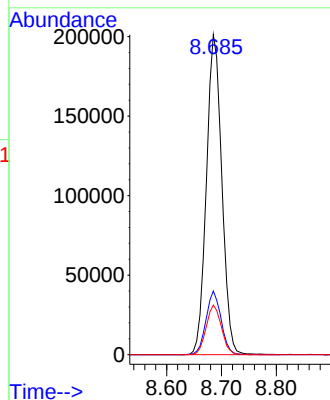
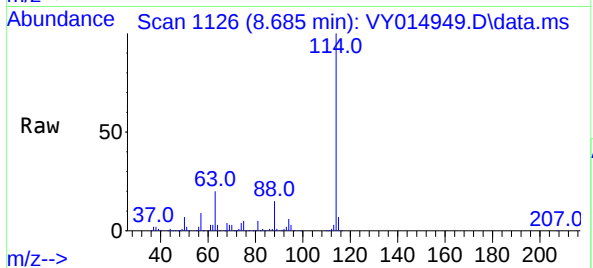
Tgt Ion:114 Resp: 392028

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.981 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014949.D

Acq: 03 Aug 2023 15:28

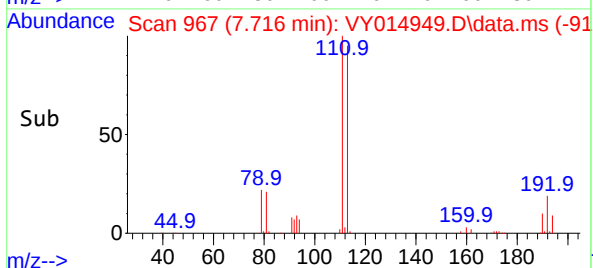
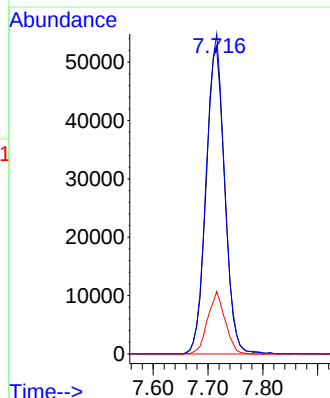
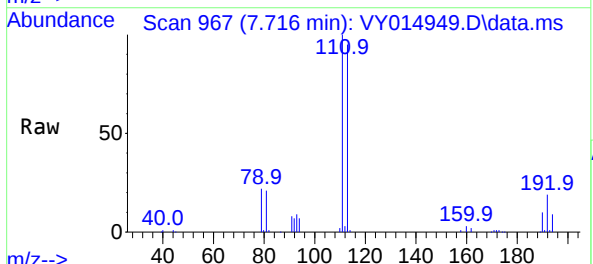
Tgt Ion:113 Resp: 124730

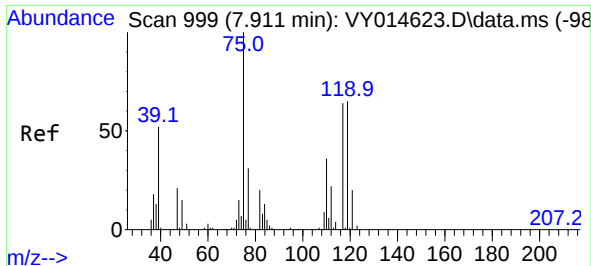
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

192 18.9 16.9 25.3

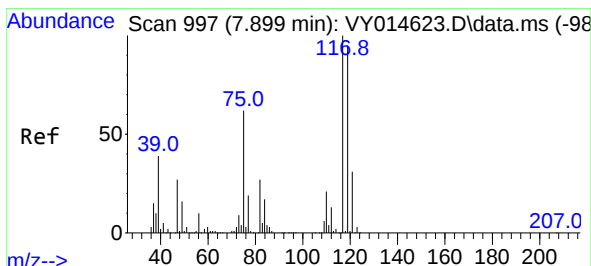
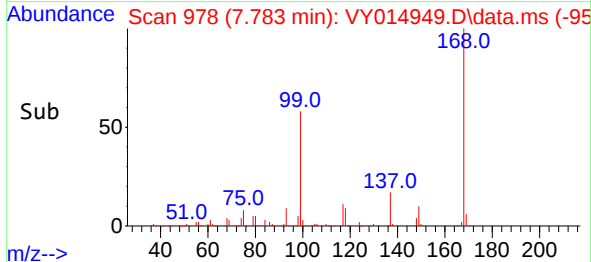
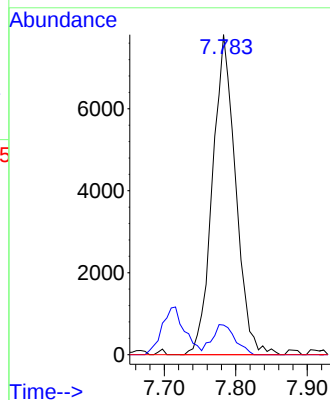
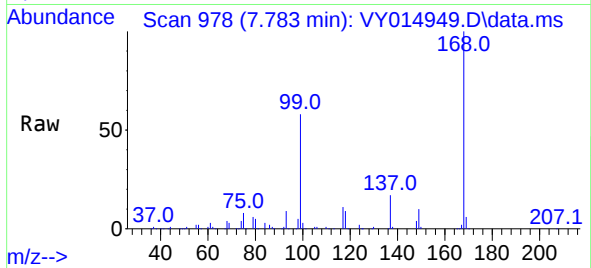




#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

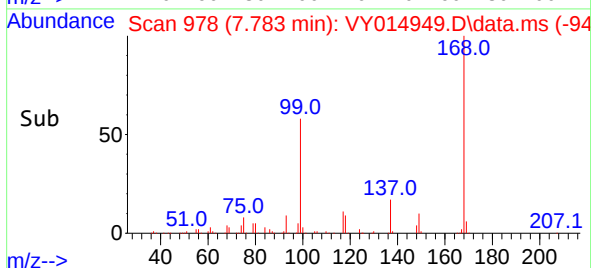
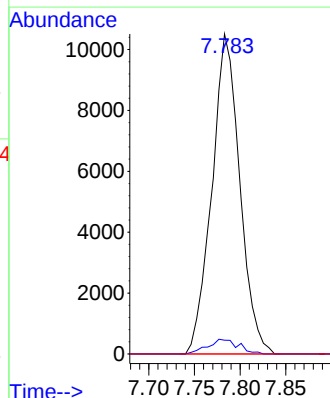
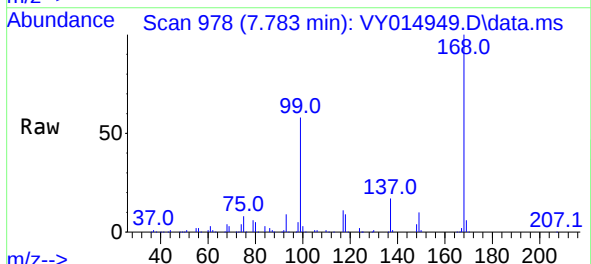
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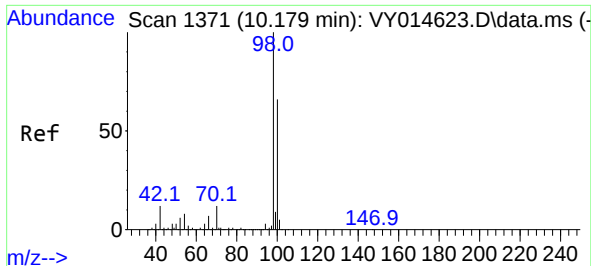
Tgt Ion: 75 Resp: 17556
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

Tgt Ion: 117 Resp: 22301
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#

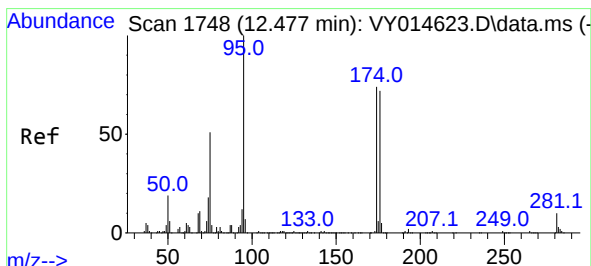
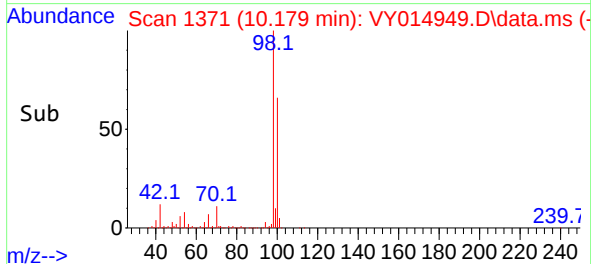
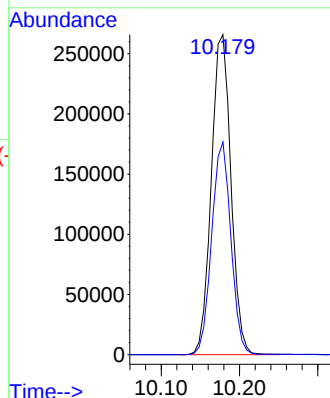
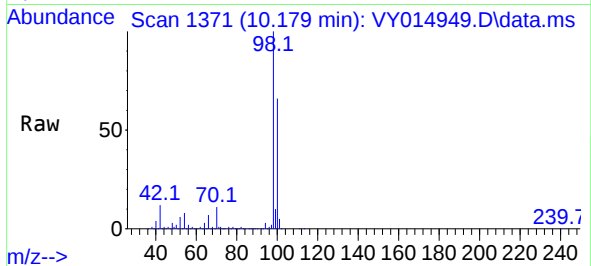




#50
Toluene-d8
Concen: 50.285 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

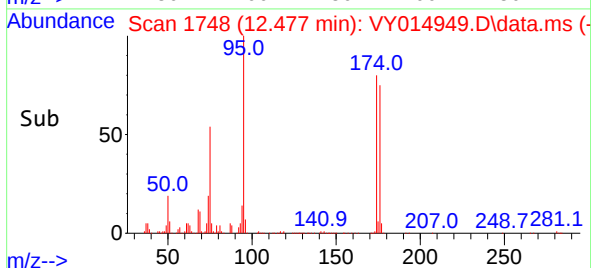
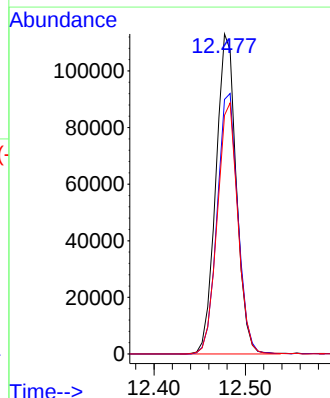
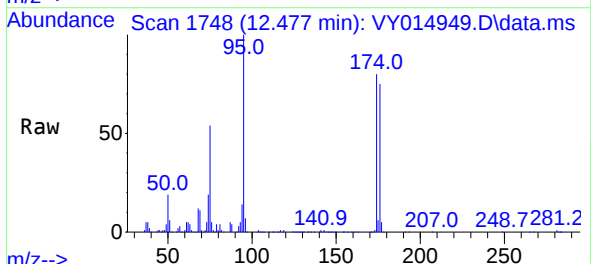
Instrument :
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ClientSampleId :
COMP-2

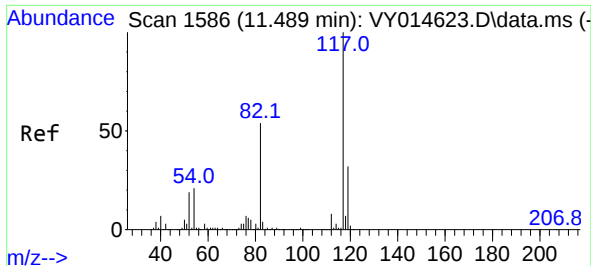
Tgt Ion: 98 Resp: 462655
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.805 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

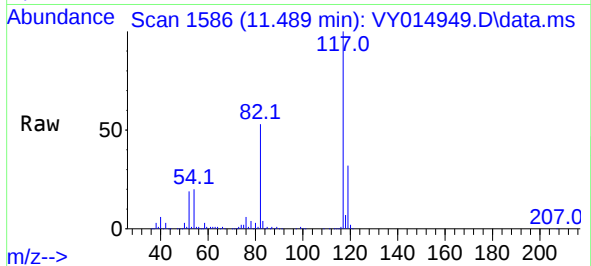
Tgt Ion: 95 Resp: 175706
Ion Ratio Lower Upper
95 100
174 82.4 0.0 178.2
176 78.9 0.0 173.8



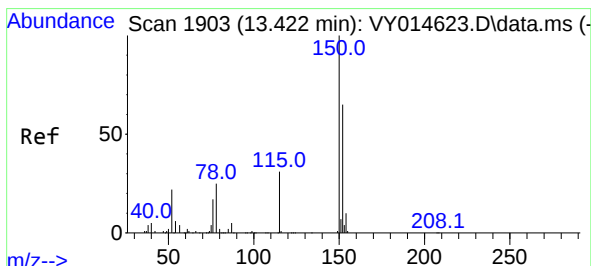
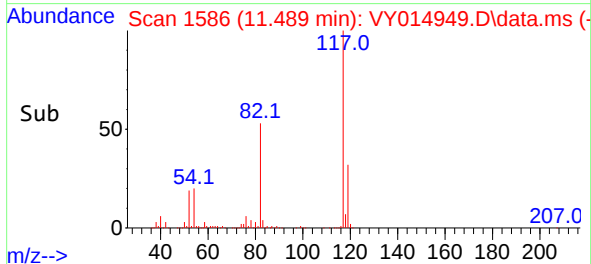
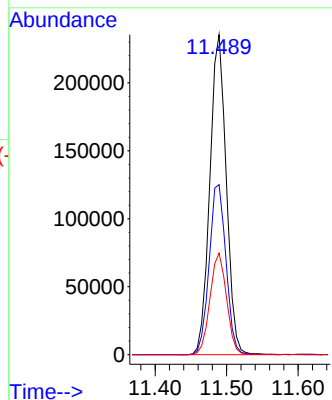


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

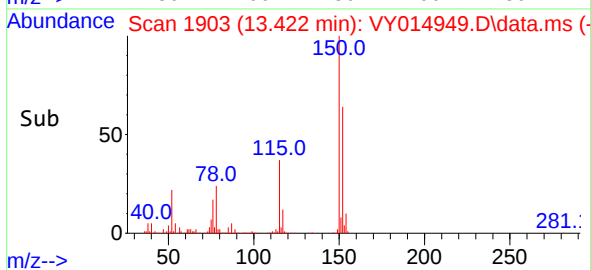
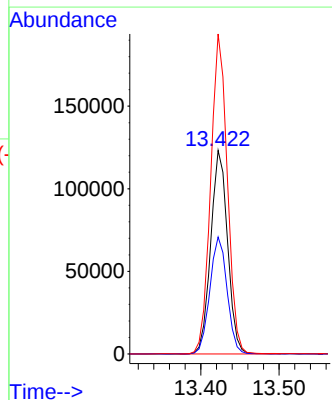
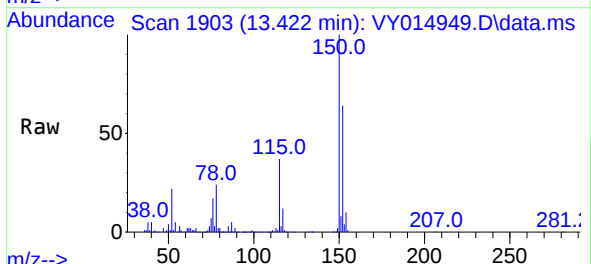


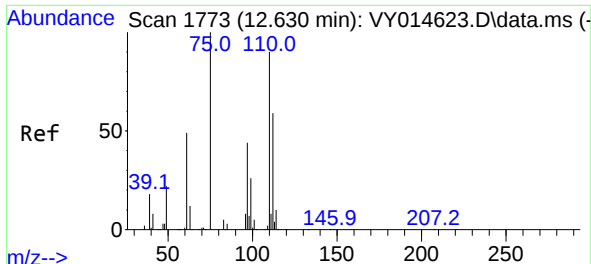
Tgt Ion:117 Resp: 375323
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

Tgt Ion:152 Resp: 184147
Ion Ratio Lower Upper
152 100
115 58.8 28.8 86.5
150 155.3 0.0 348.8

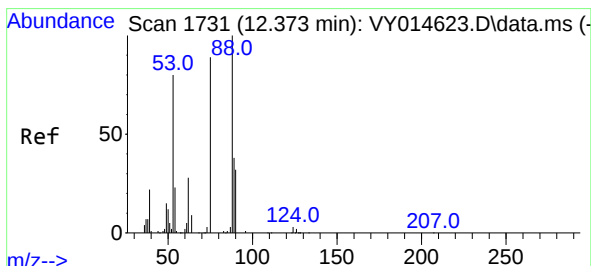
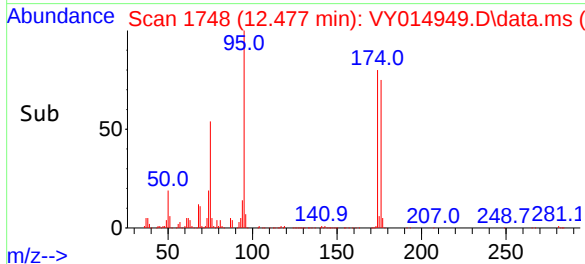
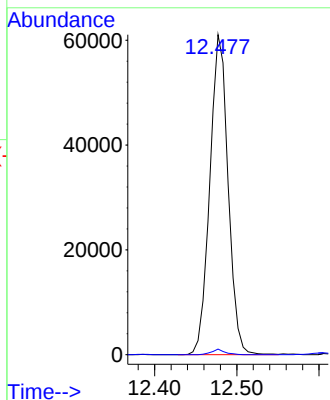
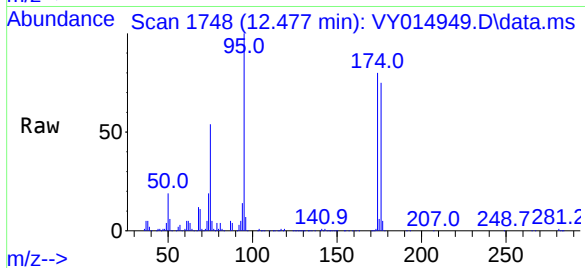




#76
1,2,3-Trichloropropane
Concen: 40.531 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion: 75 Resp: 94264
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.475 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014949.D
Acq: 03 Aug 2023 15:28

Tgt Ion: 75 Resp: 94264
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

