

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013631.D
 Acq On : 05 May 2023 17:28
 Operator : KP/MD
 Sample : 02588-03
 Misc : 6.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-B-6-9-05012023

Quant Time: May 08 00:25:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

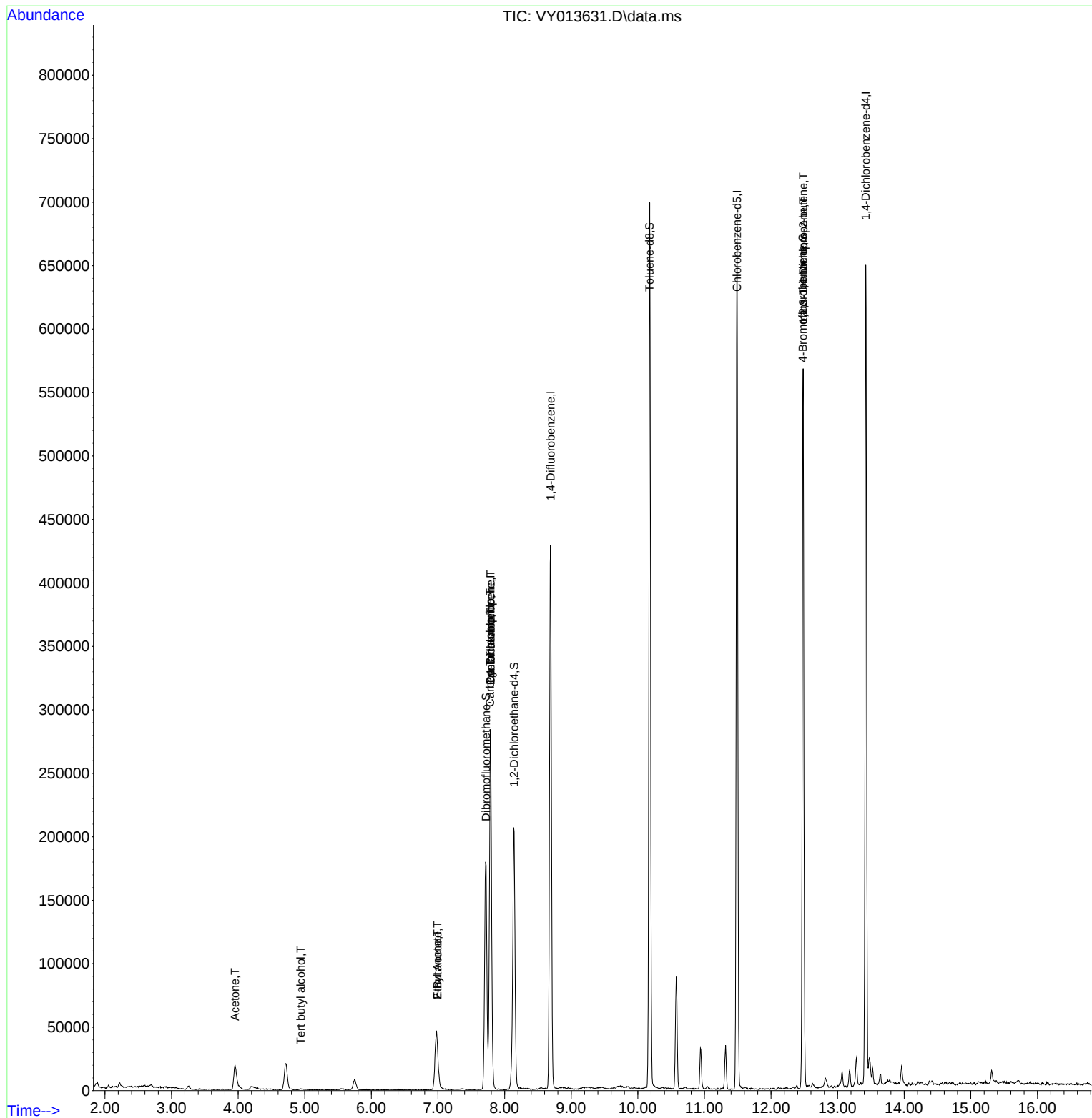
Internal Standards						
1) Pentafluorobenzene	7.789	168	214983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	362185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	359985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	169433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	160841	68.249	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.500%	
35) Dibromofluoromethane	7.722	113	126279	55.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.860%	
50) Toluene-d8	10.179	98	442469	54.601	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.200%	
62) 4-Bromofluorobenzene	12.477	95	151382	55.412	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	572	2.799	ug/l #	89
13) Acrolein	3.723	56	142	Below Cal	#	36
16) Acetone	3.954	43	39827	42.913	ug/l	97
20) Methylene Chloride	4.716	84	15777	Below Cal	#	94
25) 2-Butanone	6.990	43	9286	7.889	ug/l #	82
31) Cyclohexane	7.789	56	4931	1.169	ug/l #	48
36) 1,1-Dichloropropene	7.789	75	16235	4.294	ug/l #	50
37) Ethyl Acetate	6.990	43	9286	3.264	ug/l #	67
38) Carbon Tetrachloride	7.783	117	21211	5.353	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	81042	35.467	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	81042	72.549	ug/l #	13

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

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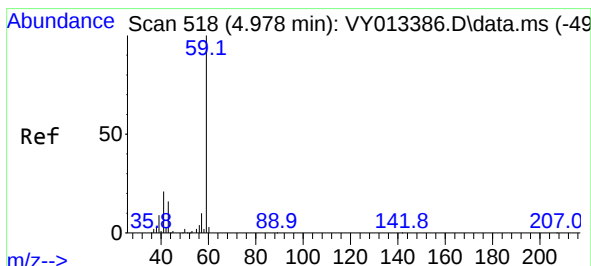
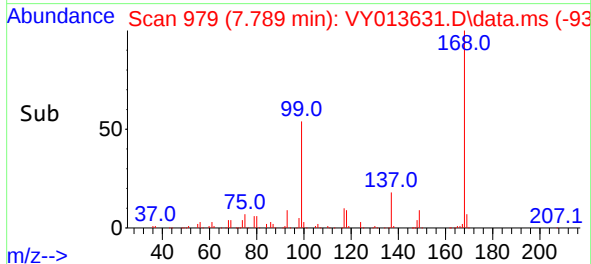
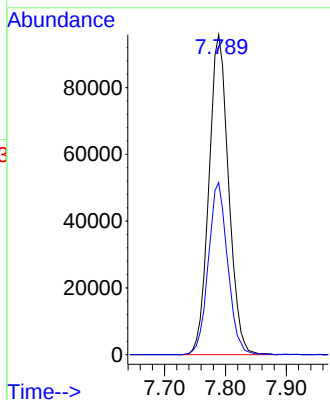
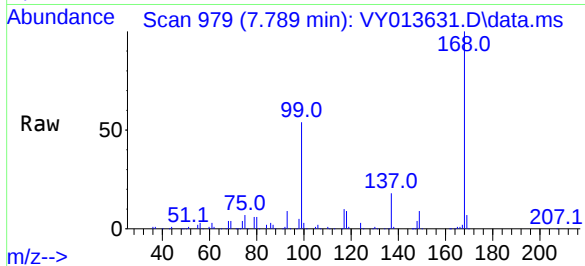




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

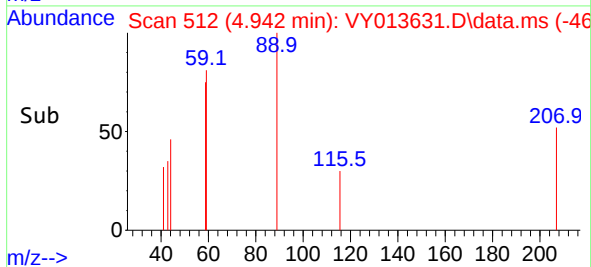
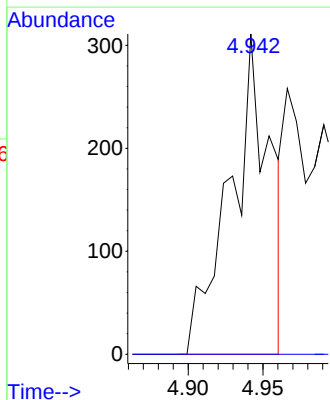
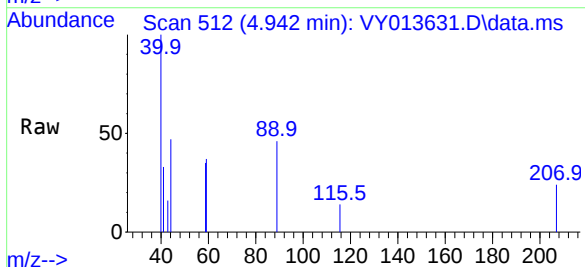
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-6-9-05012023

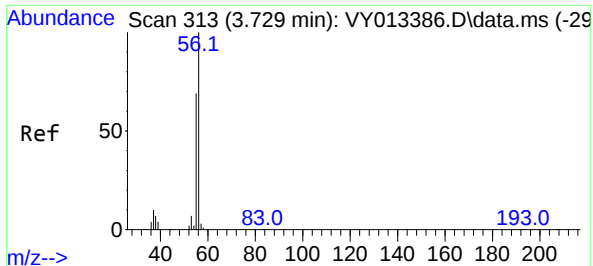
Tgt Ion:168 Resp: 214983
Ion Ratio Lower Upper
168 100
99 53.8 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.799 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.036 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

Tgt Ion: 59 Resp: 572
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

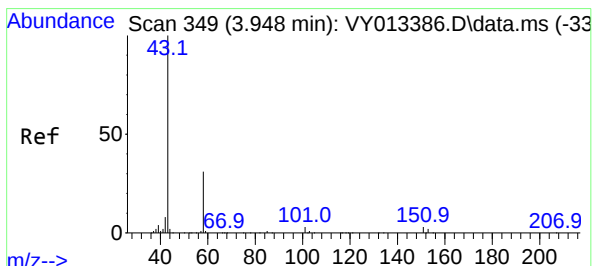
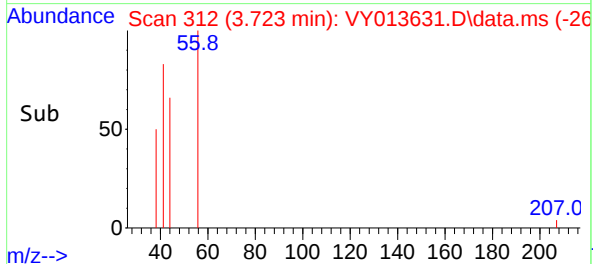
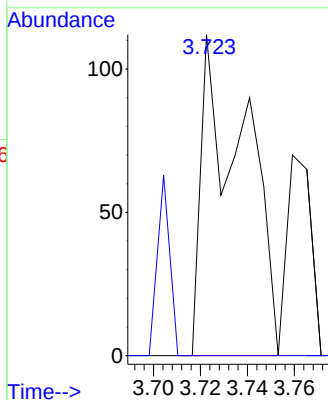
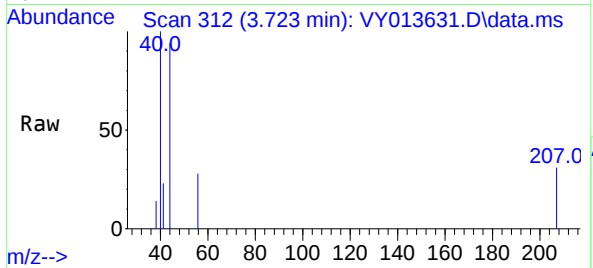




#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

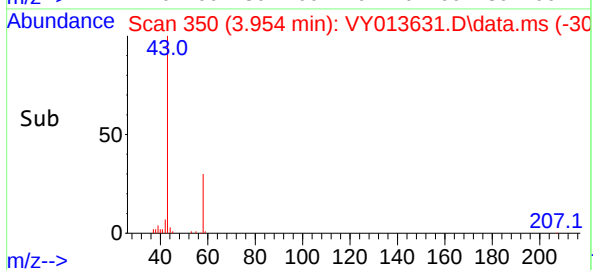
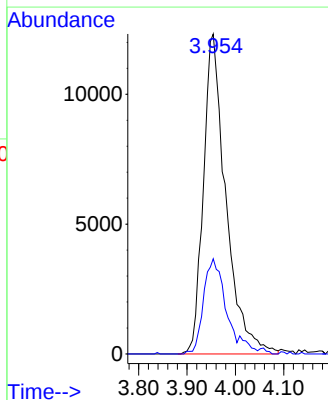
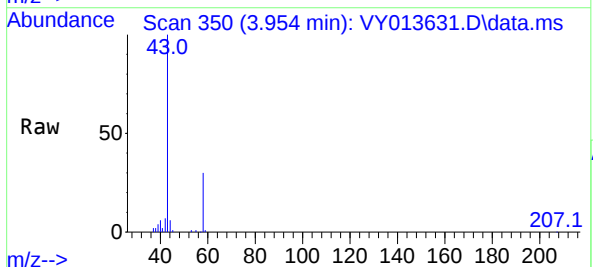
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-6-9-05012023

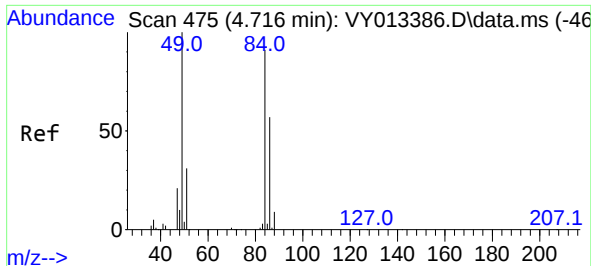
Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 16.2 54.1 81.1#



#16
Acetone
Concen: 42.913 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

Tgt Ion: 43 Resp: 39827
Ion Ratio Lower Upper
43 100
58 29.8 25.4 38.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY013631.D

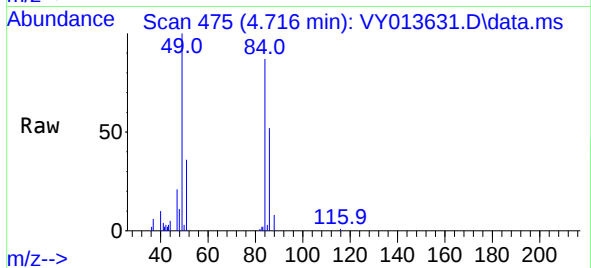
Acq: 05 May 2023 17:28

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-B-6-9-05012023



Tgt Ion: 84 Resp: 15777

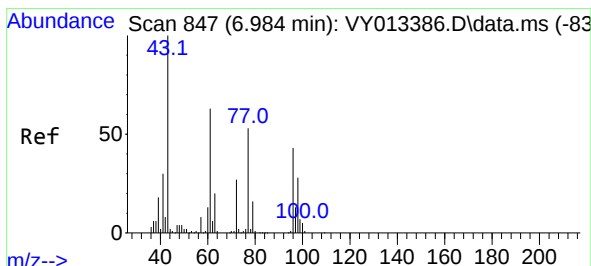
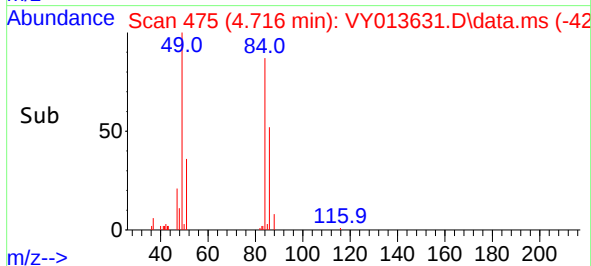
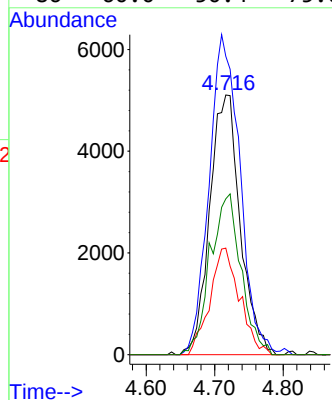
Ion Ratio Lower Upper

84 100

49 114.9 88.0 132.0

51 41.0 27.4 41.0#

86 60.0 50.4 75.6



#25

2-Butanone

Concen: 7.889 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY013631.D

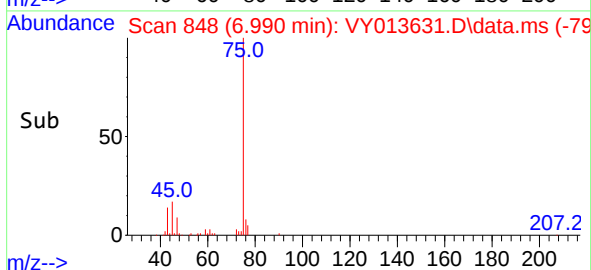
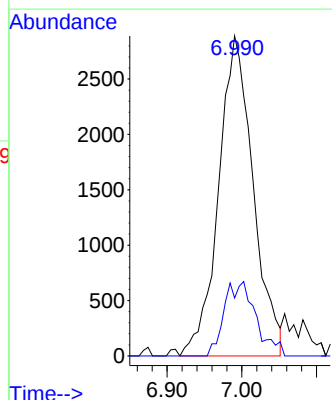
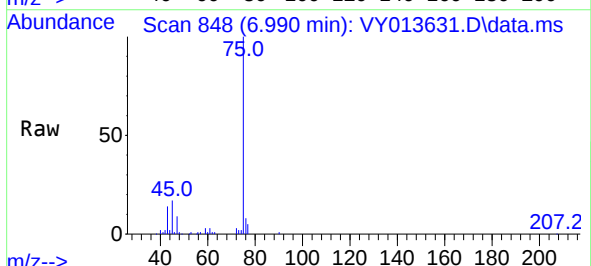
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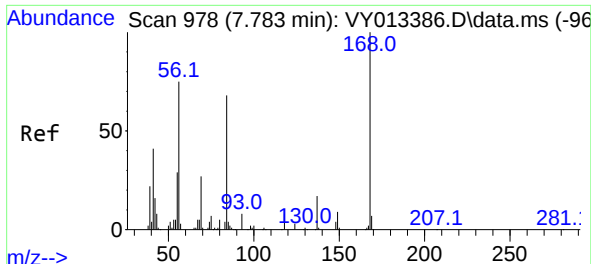
Tgt Ion: 43 Resp: 9286

Ion Ratio Lower Upper

43 100

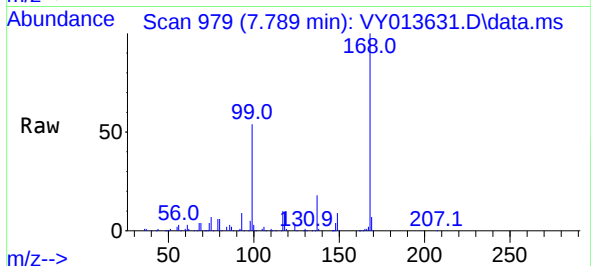
72 18.1 21.9 32.9#



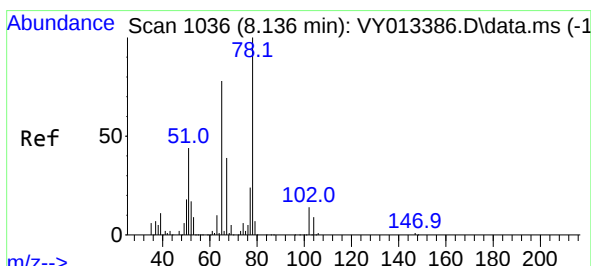
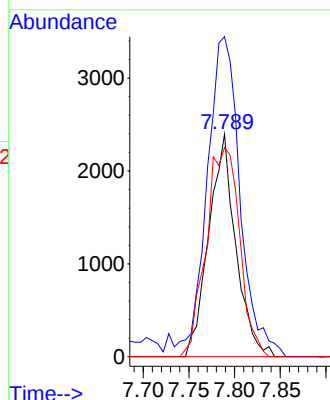
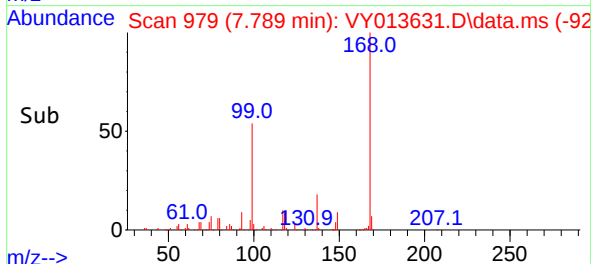


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-6-9-05012023

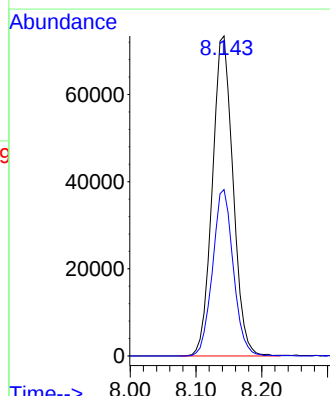
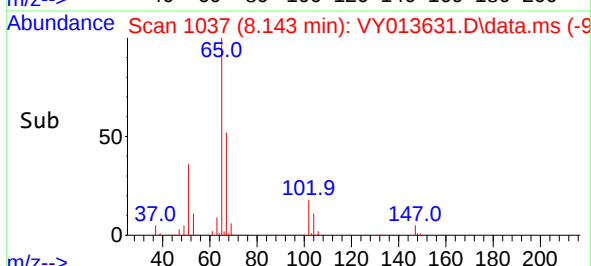
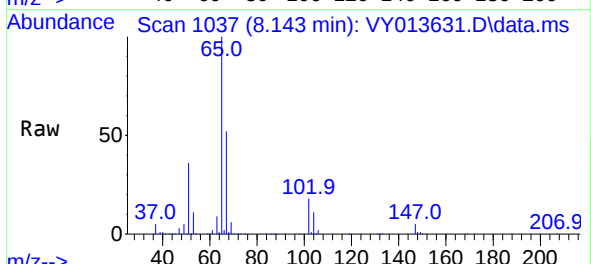


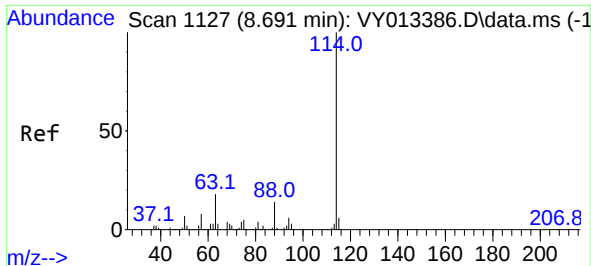
Tgt Ion: 56 Resp: 4931
Ion Ratio Lower Upper
56 100
69 140.2 29.2 43.8#
84 94.0 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 68.249 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

Tgt Ion: 65 Resp: 160841
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013631.D

Acq: 05 May 2023 17:28

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-B-6-9-05012023

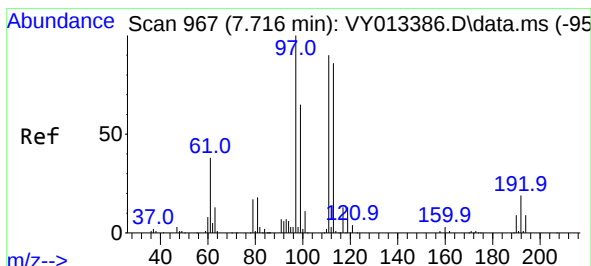
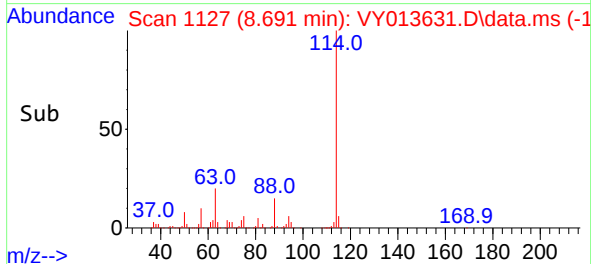
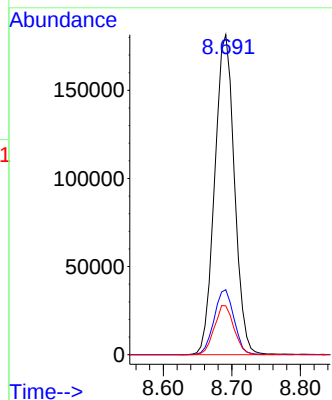
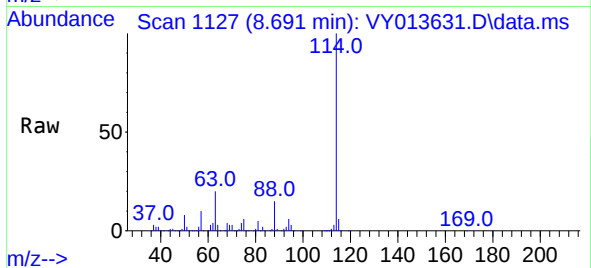
Tgt Ion:114 Resp: 362185

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.6

88 15.2 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.435 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013631.D

Acq: 05 May 2023 17:28

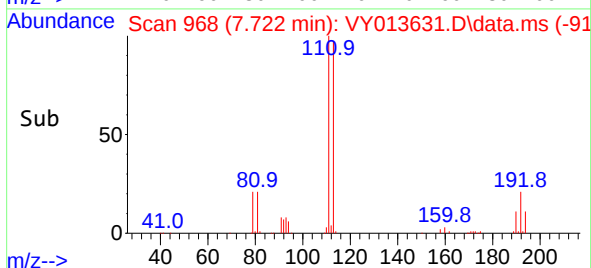
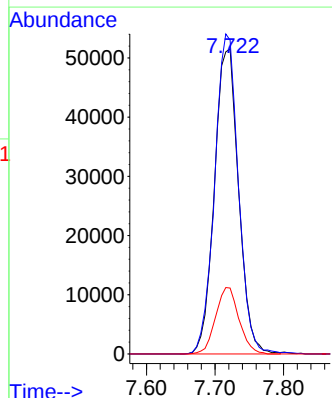
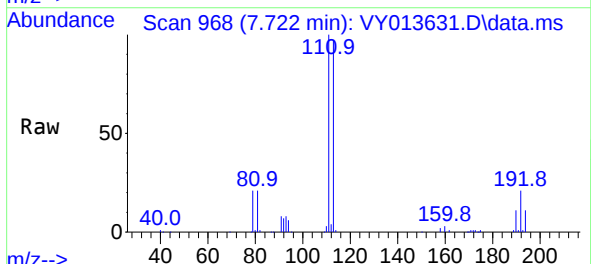
Tgt Ion:113 Resp: 126279

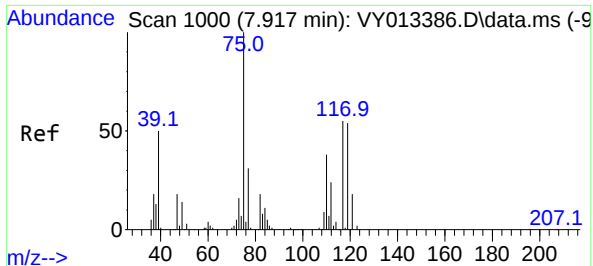
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 21.0 16.7 25.1

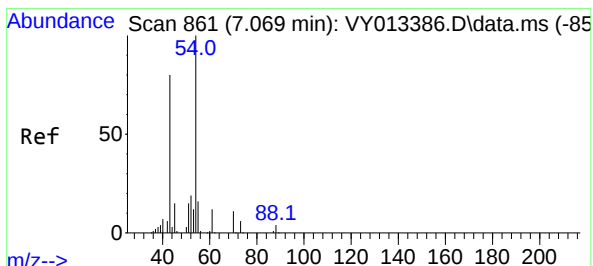
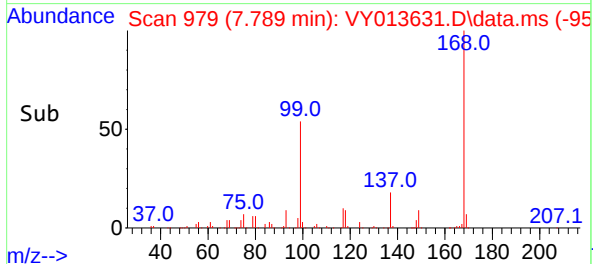
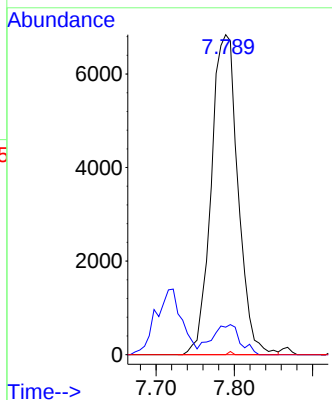
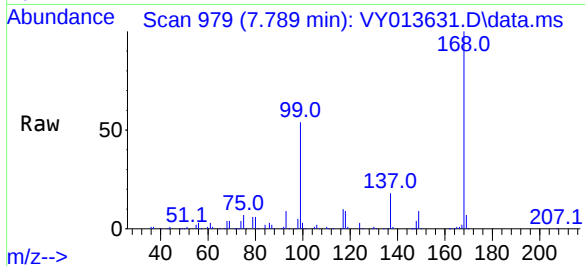




#36
1,1-Dichloropropene
Concen: 4.294 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

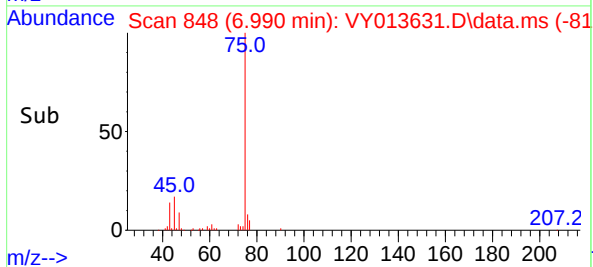
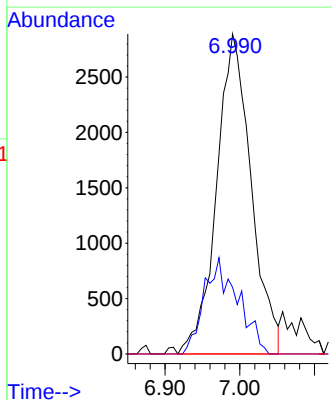
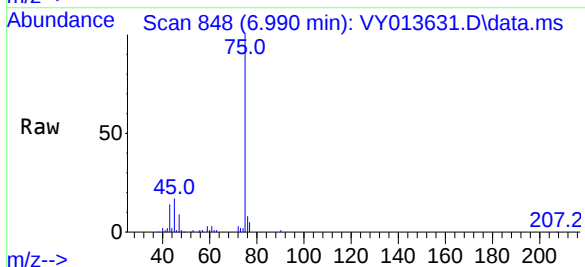
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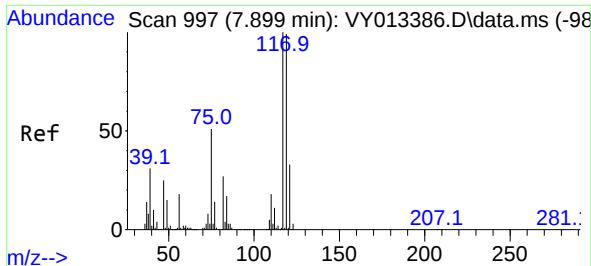
Tgt Ion: 75 Resp: 16235
Ion Ratio Lower Upper
75 100
110 10.0 18.7 56.1#
77 0.2 24.6 37.0#



#37
Ethyl Acetate
Concen: 3.264 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.079 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

Tgt Ion: 43 Resp: 9286
Ion Ratio Lower Upper
43 100
61 29.4 11.4 17.0#
70 0.0 7.9 11.9#

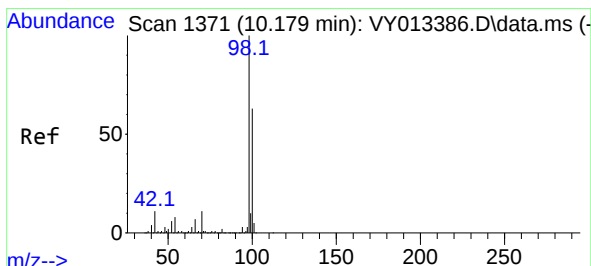
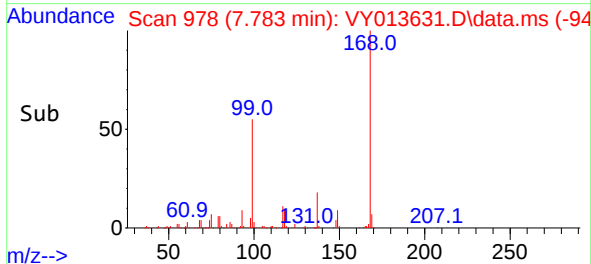
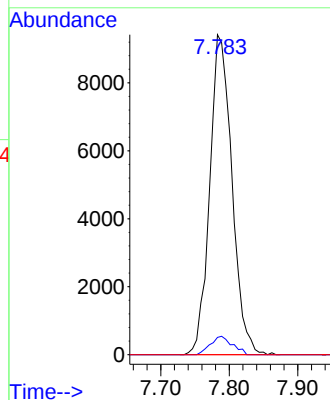
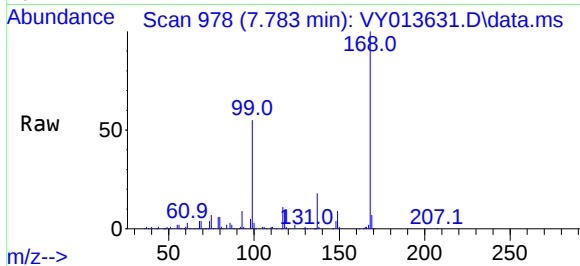




#38
Carbon Tetrachloride
Concen: 5.353 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

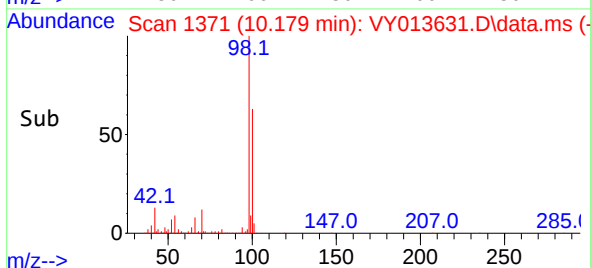
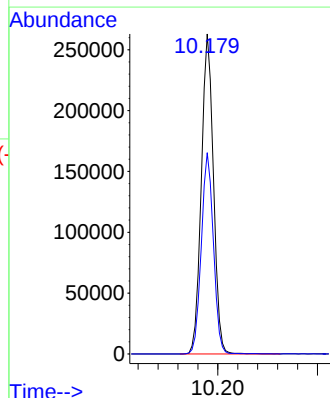
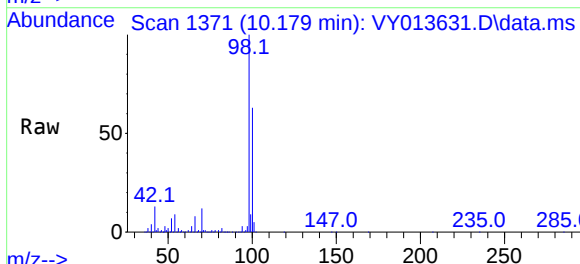
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-6-9-05012023

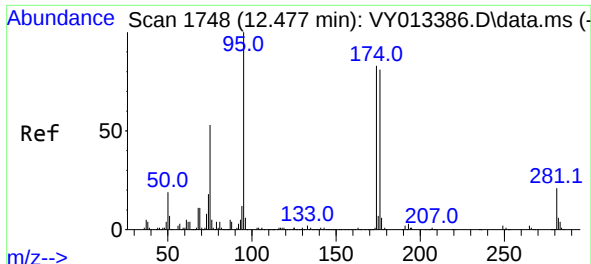
Tgt Ion:117 Resp: 21211
Ion Ratio Lower Upper
117 100
119 5.4 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.601 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

Tgt Ion: 98 Resp: 442469
Ion Ratio Lower Upper
98 100
100 62.8 50.5 75.7

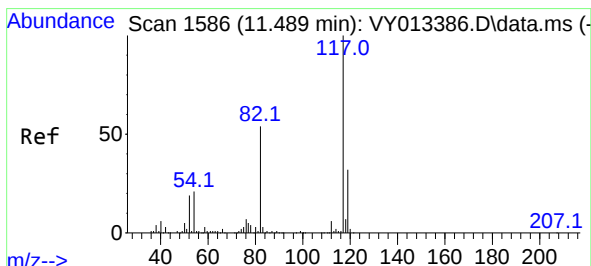
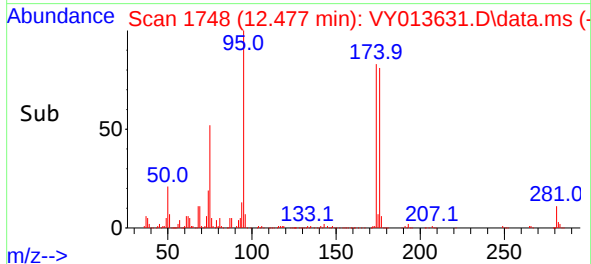
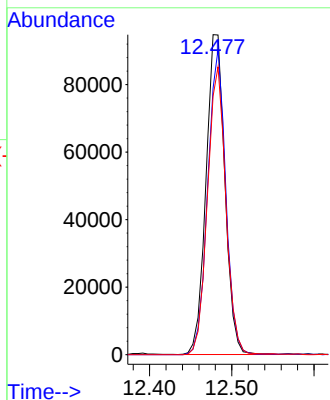
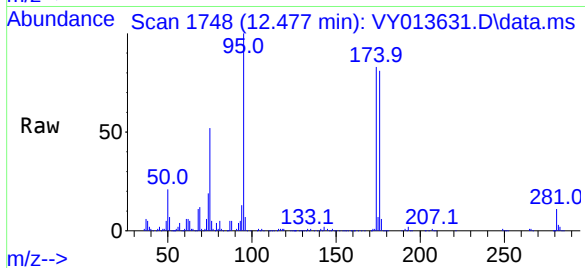




#62
4-Bromofluorobenzene
Concen: 55.412 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

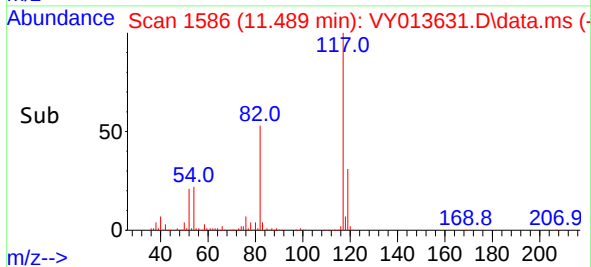
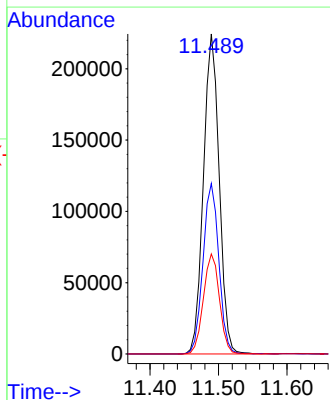
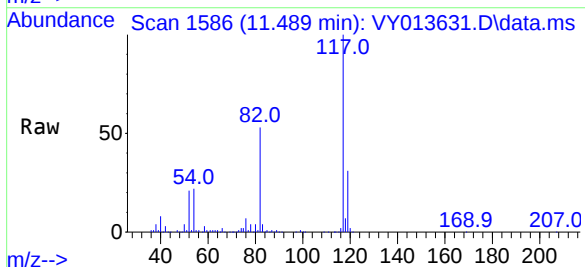
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-6-9-05012023

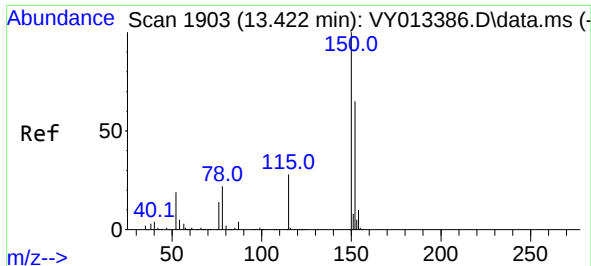
Tgt Ion: 95 Resp: 151382
Ion Ratio Lower Upper
95 100
174 91.1 0.0 182.0
176 87.5 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

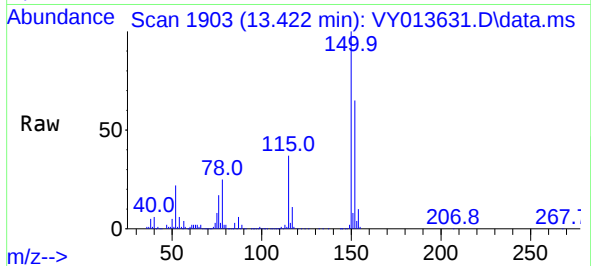
Tgt Ion: 117 Resp: 359985
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.6
119 31.2 25.5 38.3



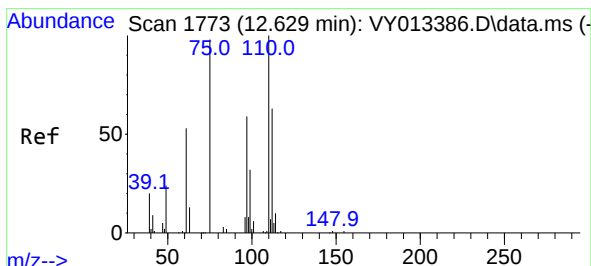
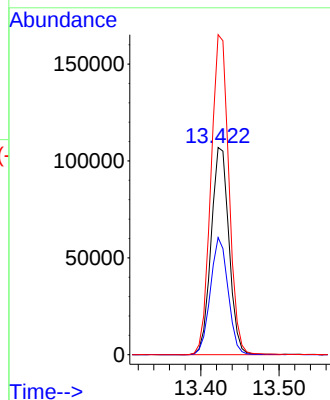
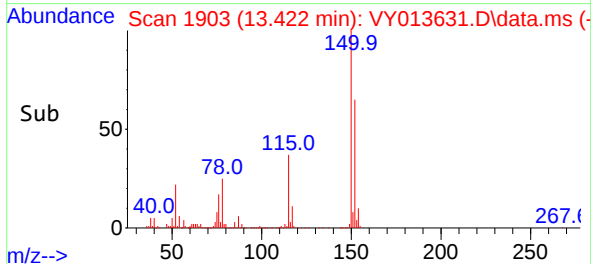


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28

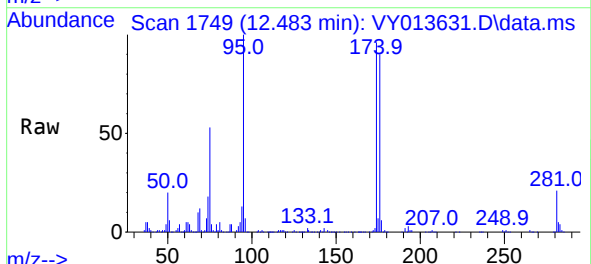
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-6-9-05012023



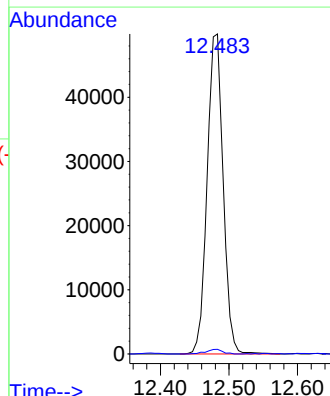
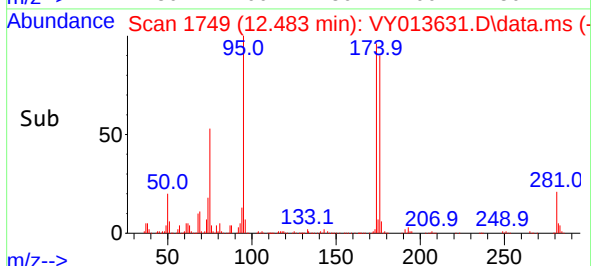
Tgt Ion:152 Resp: 169433
Ion Ratio Lower Upper
152 100
115 55.8 28.1 84.2
150 155.1 0.0 352.0

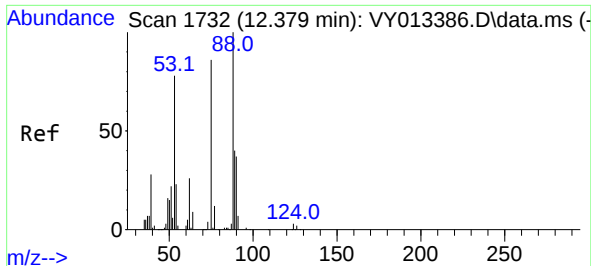


#76
1,2,3-Trichloropropane
Concen: 35.467 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013631.D
Acq: 05 May 2023 17:28



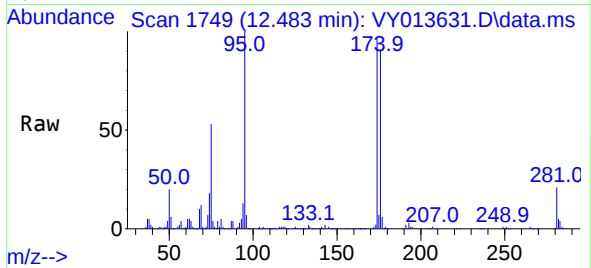
Tgt Ion: 75 Resp: 81042
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.549 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013631.D
 Acq: 05 May 2023 17:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-B-6-9-05012023



Tgt Ion: 75 Resp: 81042
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.2 38.0 57.0#

