

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013632.D
 Acq On : 05 May 2023 17:52
 Operator : KP/MD
 Sample : 02588-04
 Misc : 4.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-C-0-3-05012023

Quant Time: May 08 00:25:32 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)

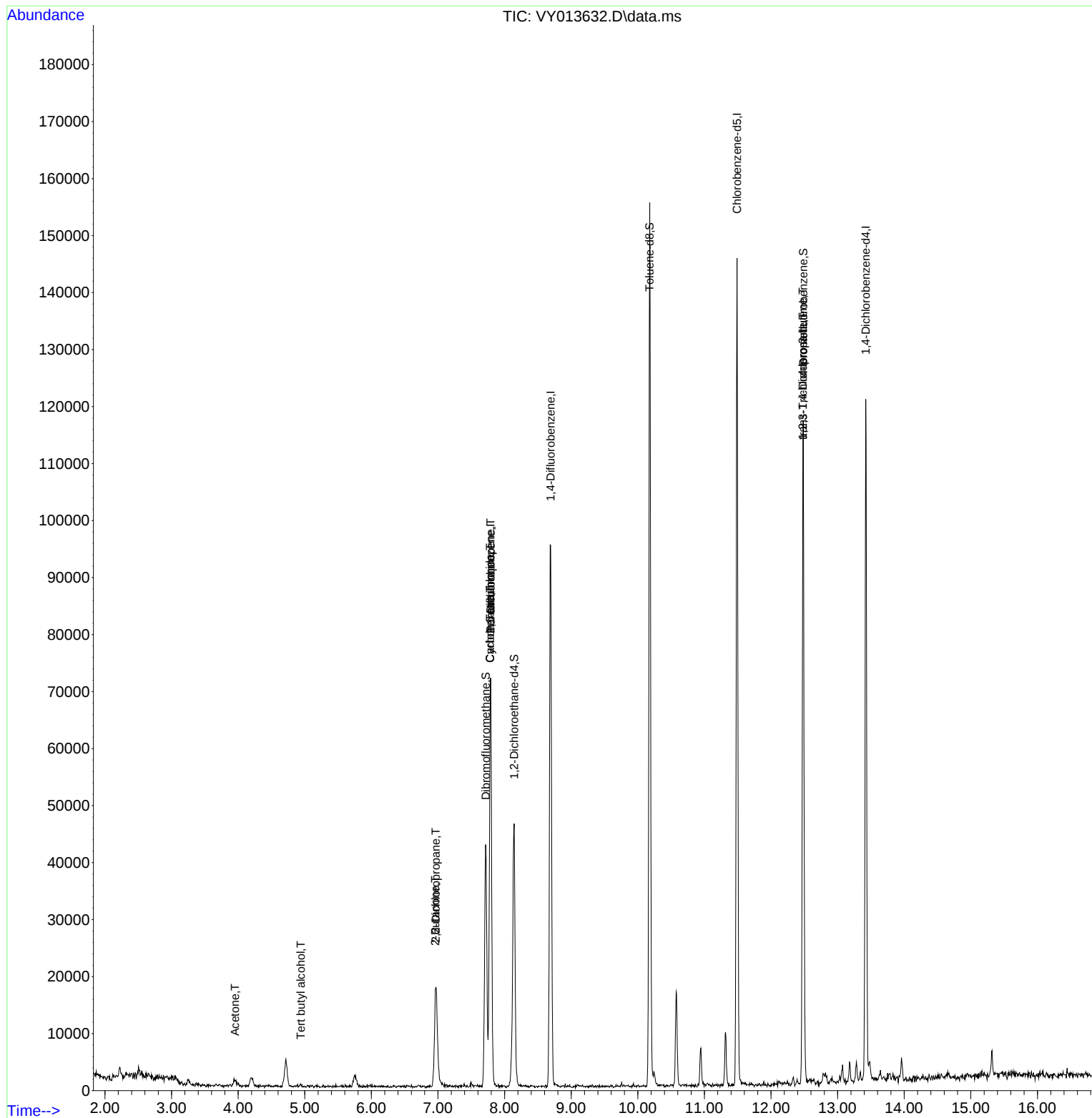
Internal Standards						
1) Pentafluorobenzene	7.789	168	55933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	83269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	77338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	31240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	36459	59.462	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.920%	
35) Dibromofluoromethane	7.716	113	28968	55.312	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.620%	
50) Toluene-d8	10.179	98	101524	54.492	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.980%	
62) 4-Bromofluorobenzene	12.483	95	28845	45.924	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	482	7.611	ug/l #	89
13) Acrolein	3.570	56	20	Below Cal	#	16
16) Acetone	3.954	43	2061	8.535	ug/l #	85
20) Methylene Chloride	4.710	84	3528	Below Cal		87
25) 2-Butanone	6.960	43	1155	3.772	ug/l #	47
26) 2,2-Dichloropropane	6.966	77	1329	1.313	ug/l #	52
31) Cyclohexane	7.783	56	1146	1.044	ug/l #	27
36) 1,1-Dichloropropene	7.789	75	4243	4.882	ug/l #	48
38) Carbon Tetrachloride	7.783	117	5593	6.139	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	15078	35.788	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	15078	73.207	ug/l #	13

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

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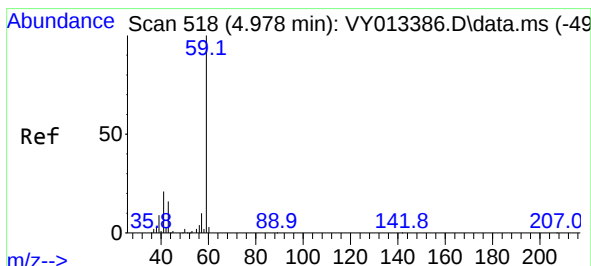
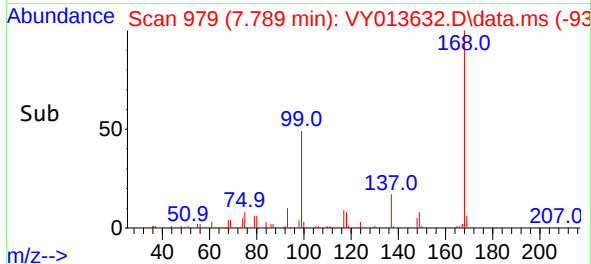
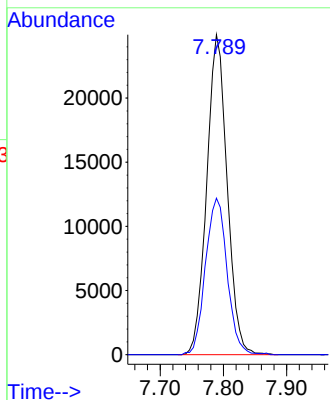
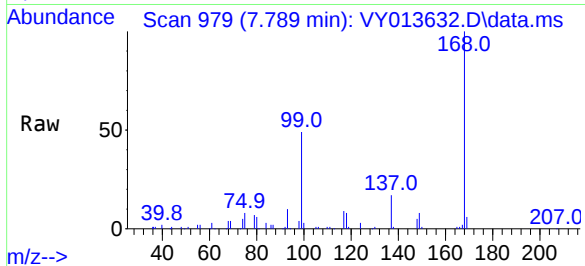




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

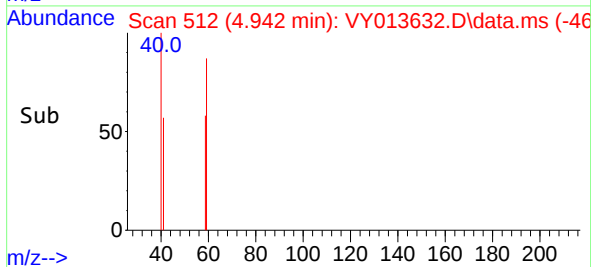
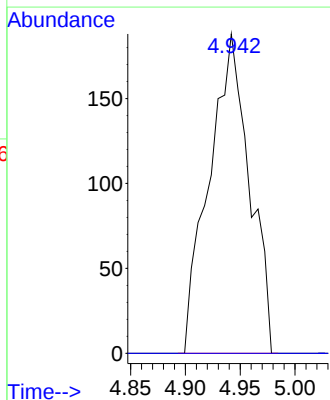
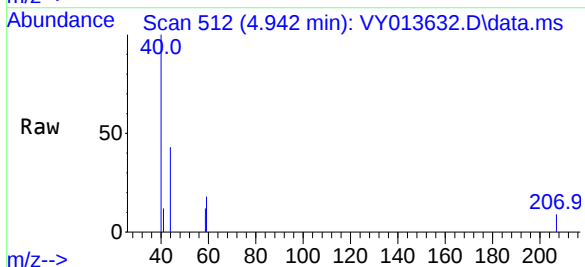
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-0-3-05012023

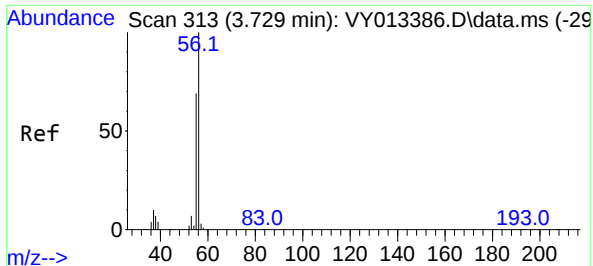
Tgt Ion:168 Resp: 55933
Ion Ratio Lower Upper
168 100
99 48.9 41.8 62.6



#11
Tert butyl alcohol
Concen: 7.611 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.036 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

Tgt Ion: 59 Resp: 482
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

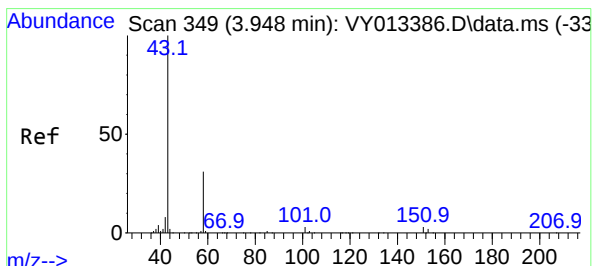
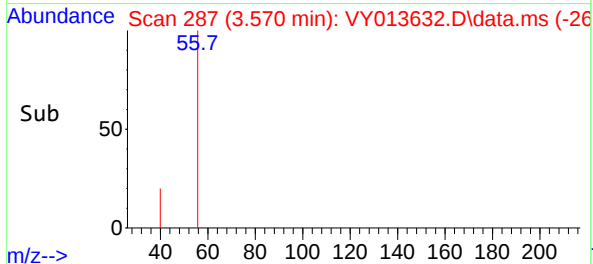
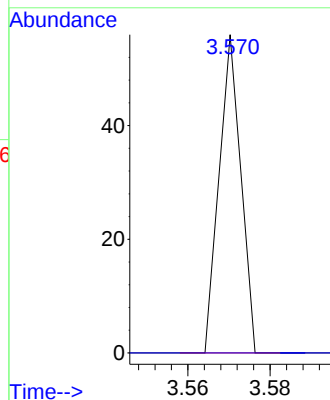
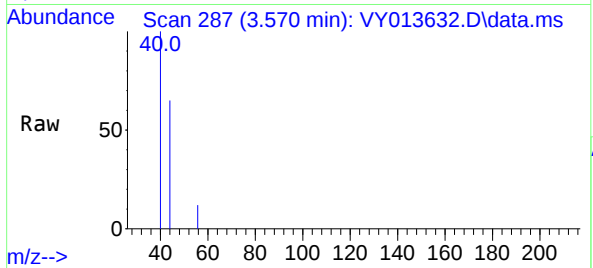




#13
Acrolein
Concen: Below Cal
RT: 3.570 min Scan# 21
Delta R.T. -0.159 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

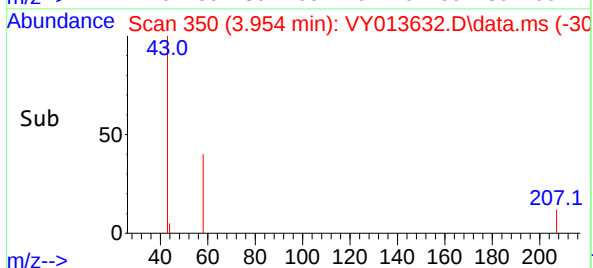
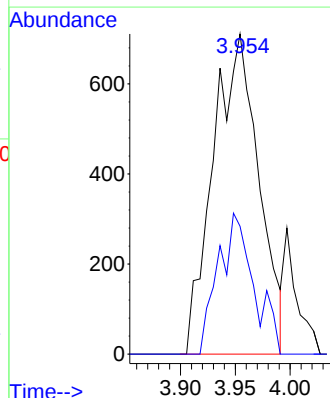
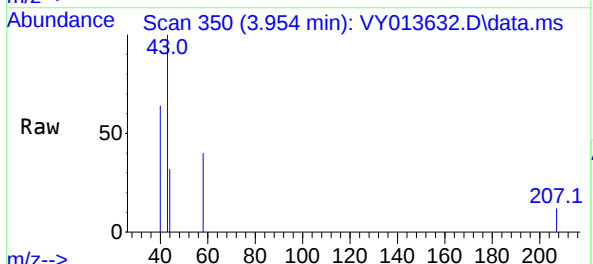
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-0-3-05012023

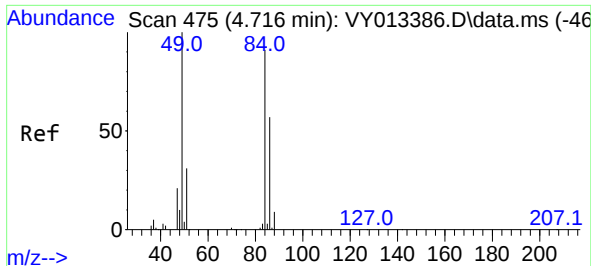
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 8.535 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

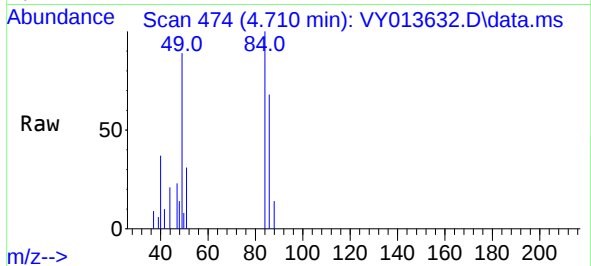
Tgt Ion: 43 Resp: 2061
Ion Ratio Lower Upper
43 100
58 39.9 25.4 38.0#





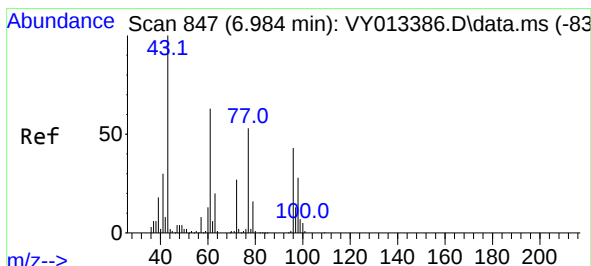
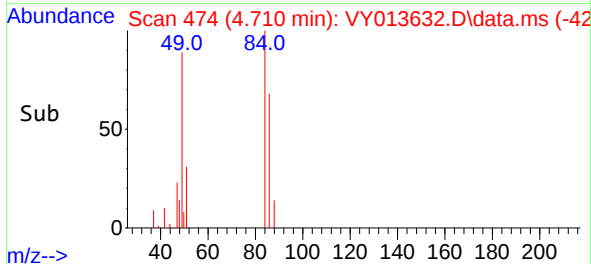
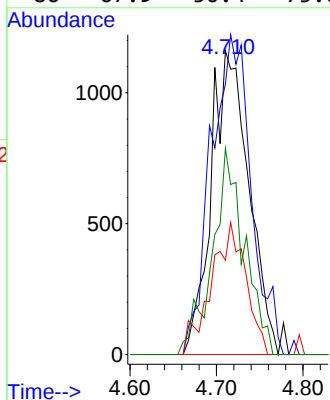
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion: 84 Resp: 3528

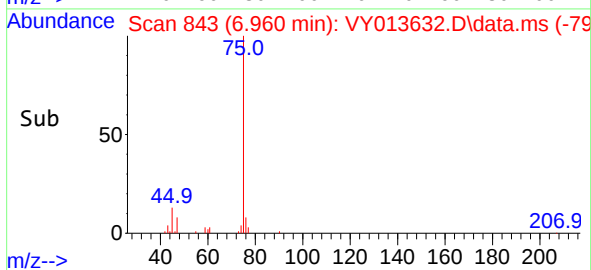
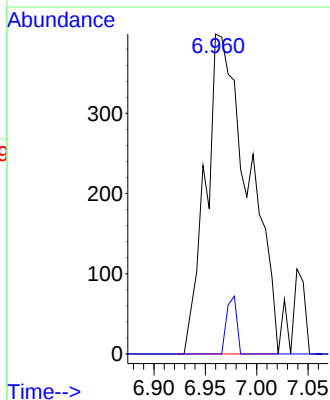
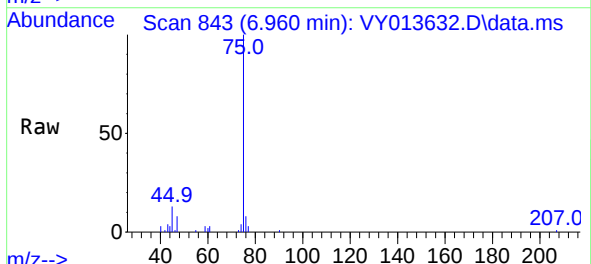
Ion	Ratio	Lower	Upper
84	100		
49	89.1	88.0	132.0
51	31.0	27.4	41.0
86	67.9	50.4	75.6

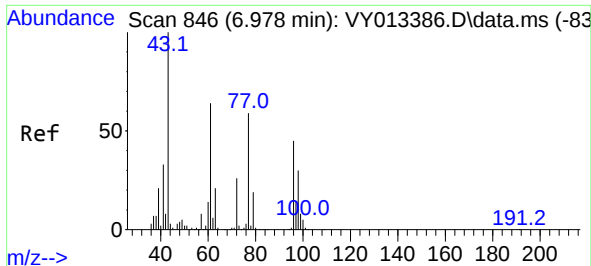


#25
2-Butanone
Concen: 3.772 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.024 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

Tgt Ion: 43 Resp: 1155

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.9	32.9#

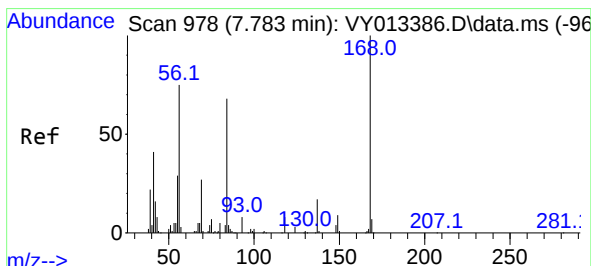
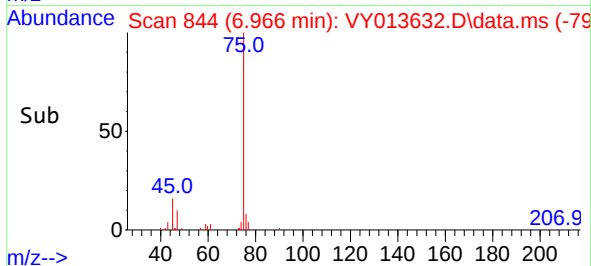
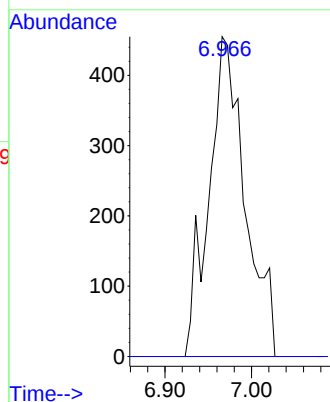
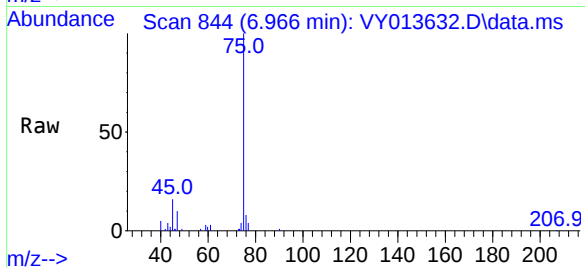




#26
2,2-Dichloropropane
Concen: 1.313 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

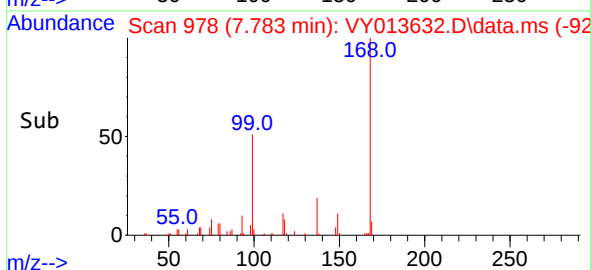
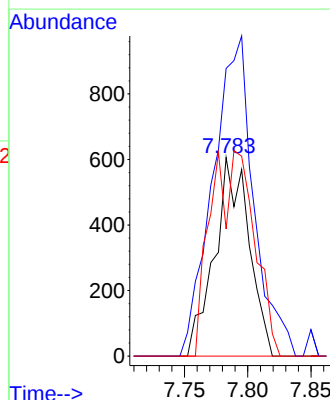
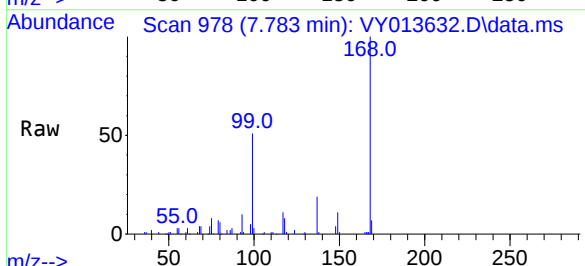
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-0-3-05012023

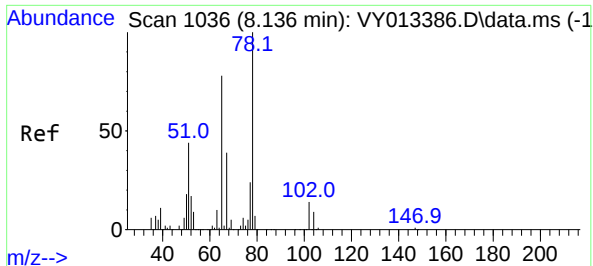
Tgt Ion: 77 Resp: 1329
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#



#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

Tgt Ion: 56 Resp: 1146
Ion Ratio Lower Upper
56 100
69 144.9 29.2 43.8#
84 64.0 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 59.462 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.007 min

Lab File: VY013632.D

Acq: 05 May 2023 17:52

Instrument :

MSVOA_Y

ClientSampleId :

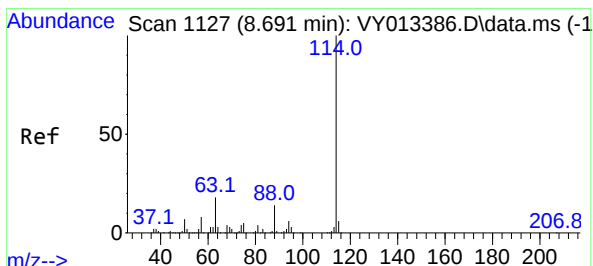
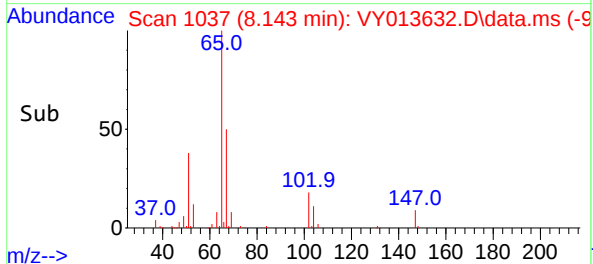
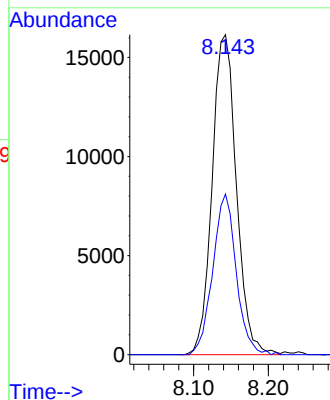
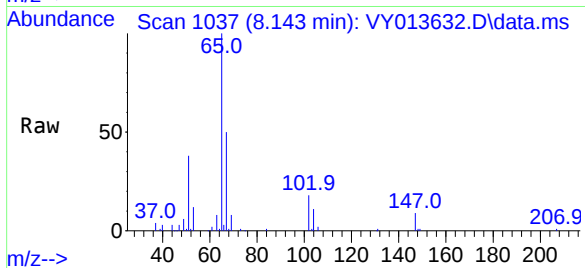
ZONE-C-0-3-05012023

Tgt Ion: 65 Resp: 36459

Ion Ratio Lower Upper

65 100

67 48.6 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: VY013632.D

Acq: 05 May 2023 17:52

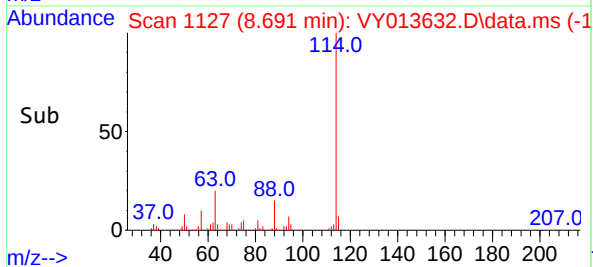
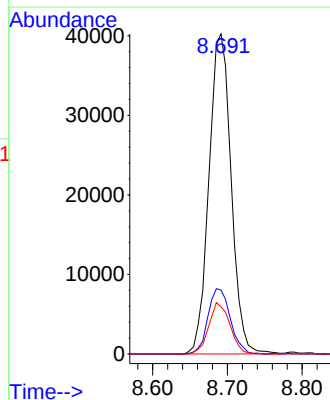
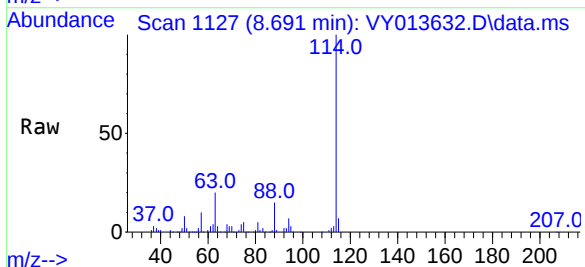
Tgt Ion: 114 Resp: 83269

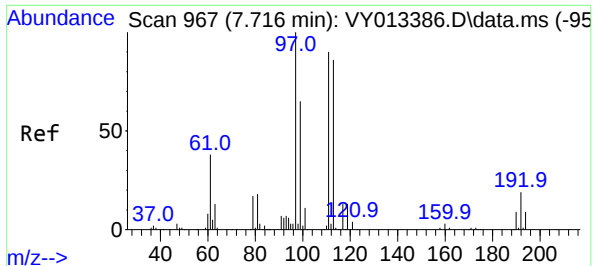
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.6

88 14.7 0.0 28.8

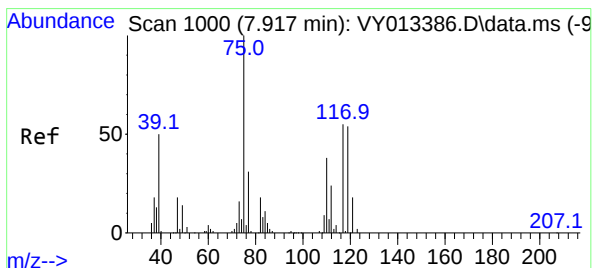
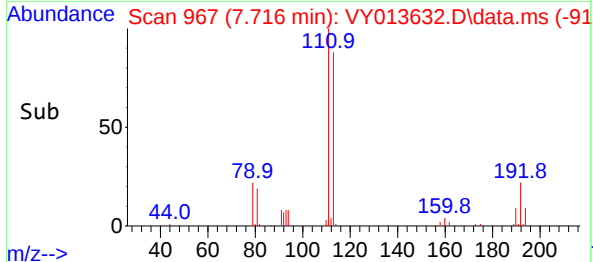
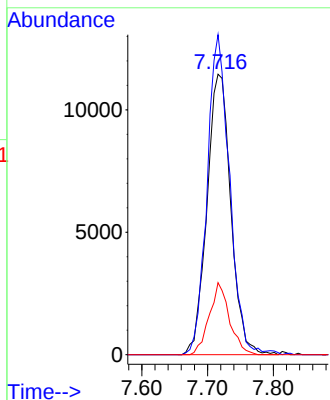
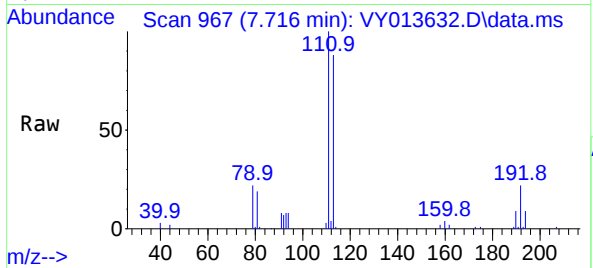




#35
Dibromofluoromethane
Concen: 55.312 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

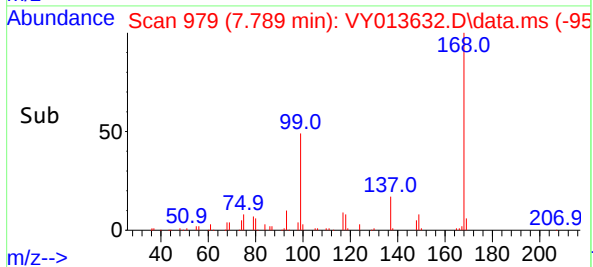
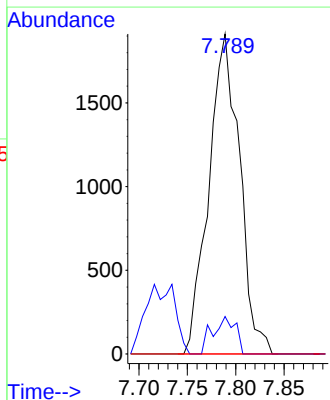
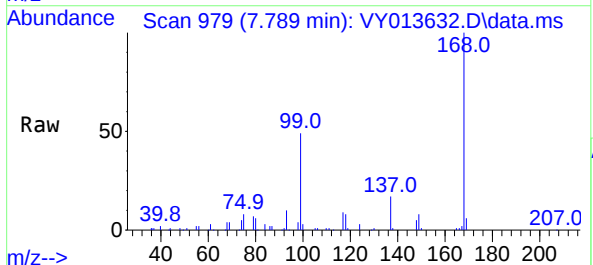
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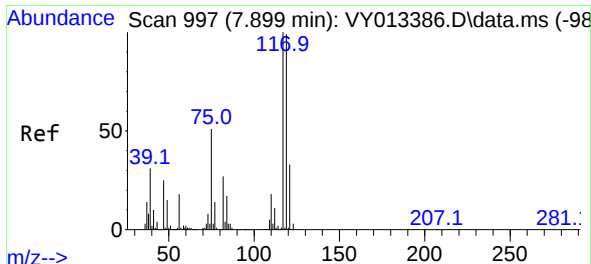
Tgt Ion:	113	Resp:	28968
Ion	Ratio	Lower	Upper
113	100		
111	106.8	82.2	123.2
192	21.8	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.882 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

Tgt Ion:	75	Resp:	4243
Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.7	56.1#
77	0.0	24.6	37.0#

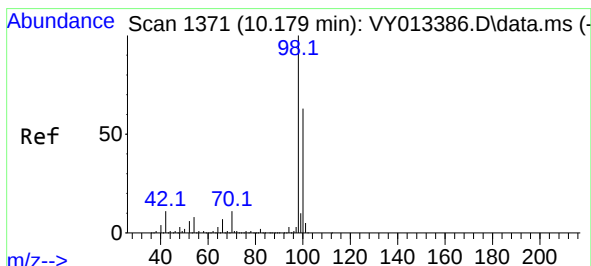
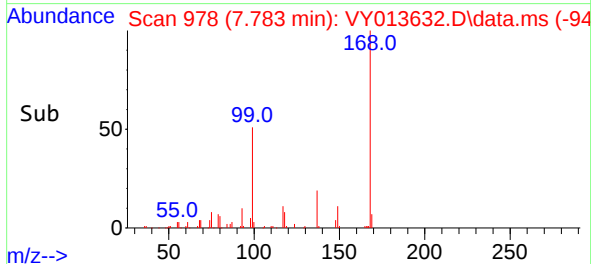
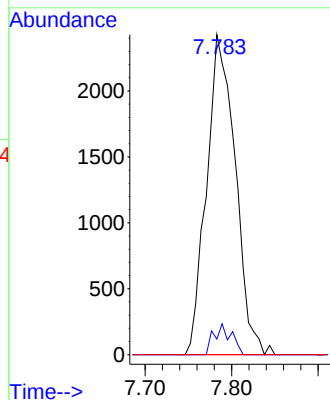
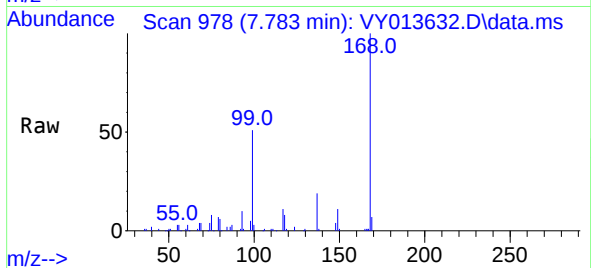




#38
Carbon Tetrachloride
Concen: 6.139 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

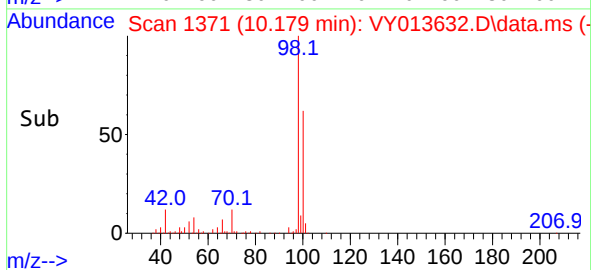
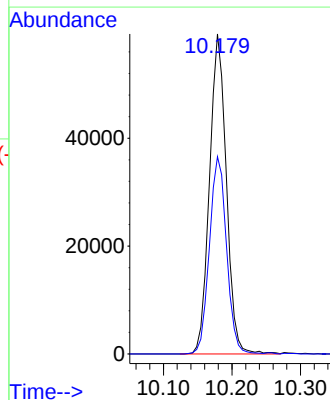
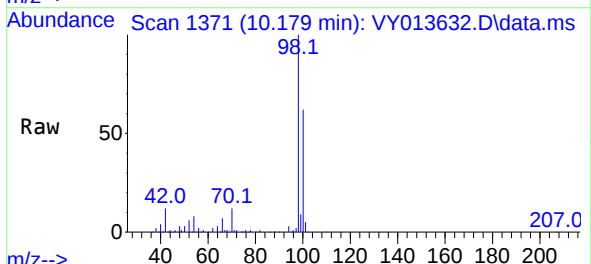
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-0-3-05012023

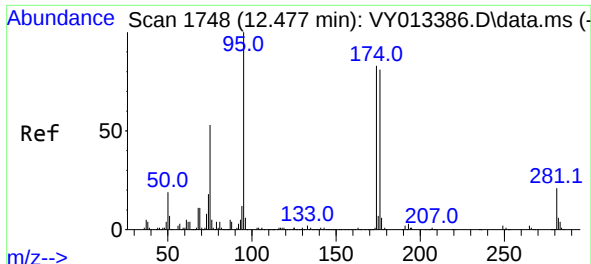
Tgt Ion:117 Resp: 5593
Ion Ratio Lower Upper
117 100
119 4.8 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.492 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

Tgt Ion: 98 Resp: 101524
Ion Ratio Lower Upper
98 100
100 62.7 50.5 75.7

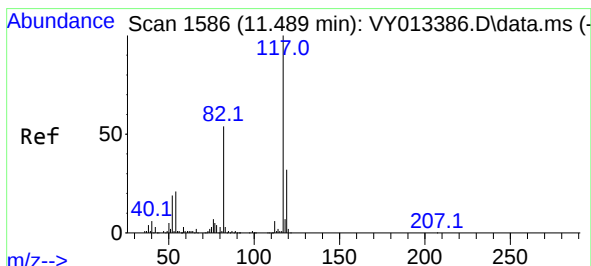
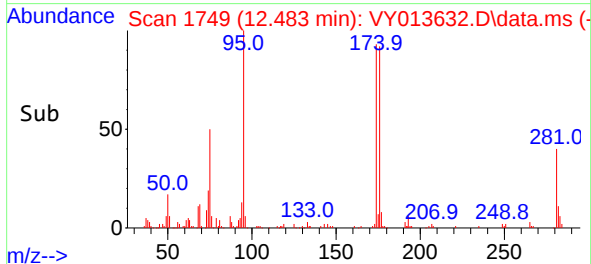
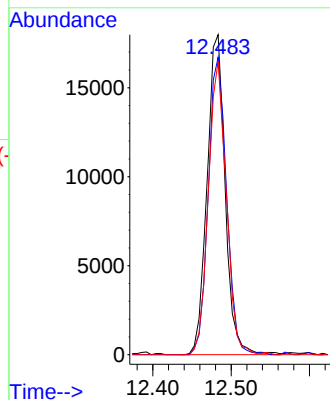
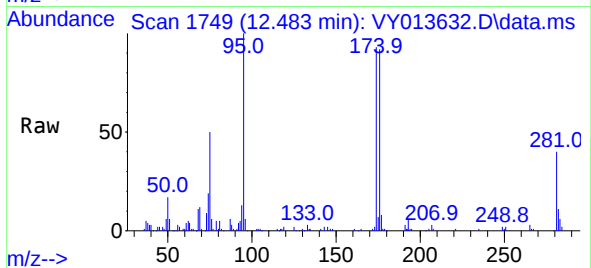




#62
4-Bromofluorobenzene
Concen: 45.924 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

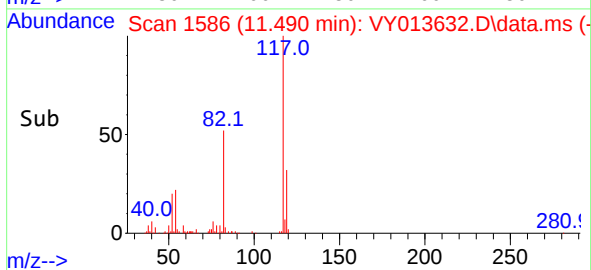
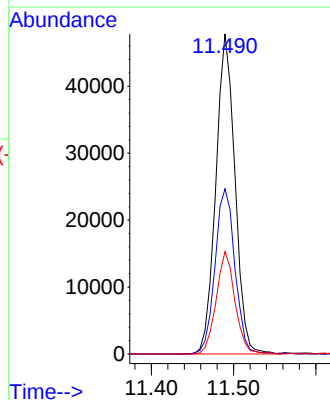
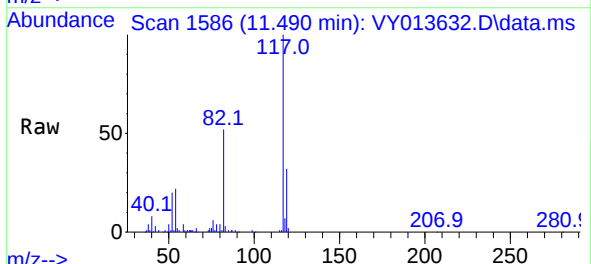
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-0-3-05012023

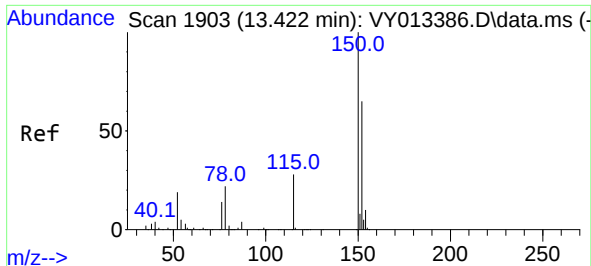
Tgt Ion: 95 Resp: 28845
Ion Ratio Lower Upper
95 100
174 93.8 0.0 182.0
176 90.5 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

Tgt Ion: 117 Resp: 77338
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.6
119 32.0 25.5 38.3

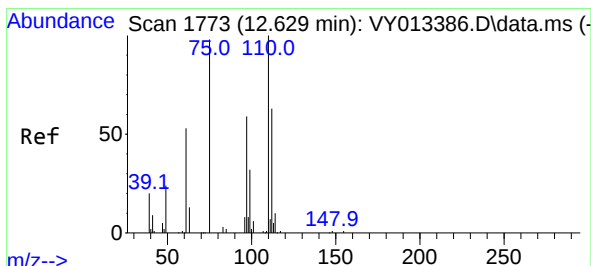
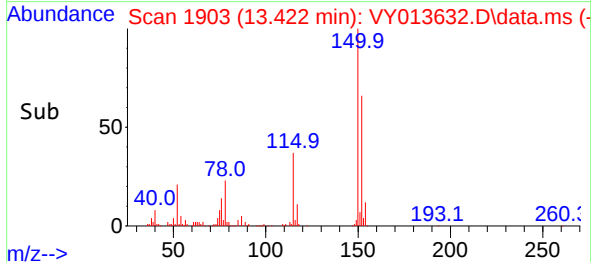
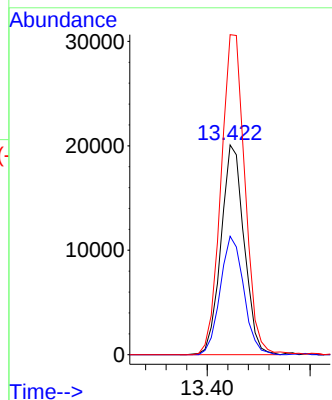
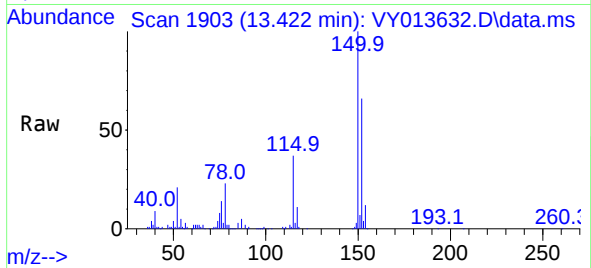




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

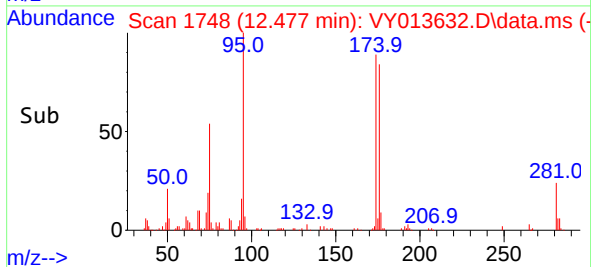
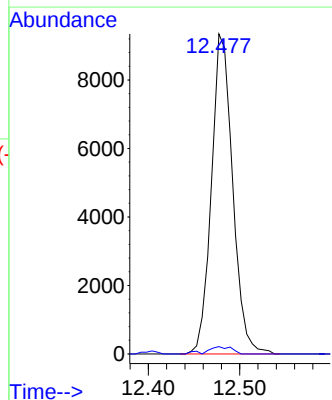
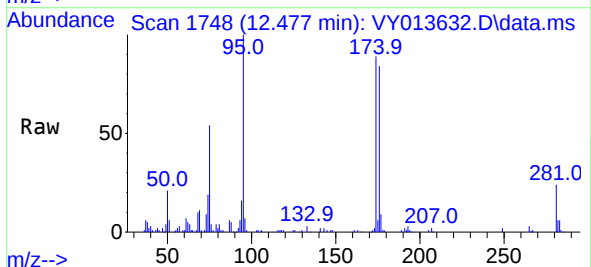
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-0-3-05012023

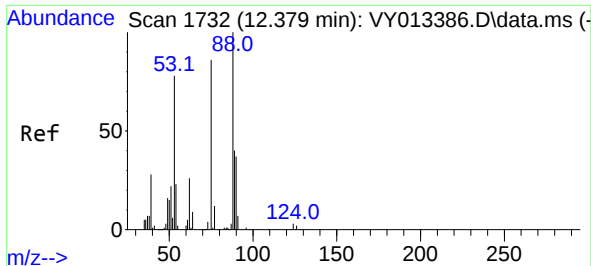
Tgt Ion:152 Resp: 31240
Ion Ratio Lower Upper
152 100
115 57.5 28.1 84.2
150 158.7 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 35.788 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

Tgt Ion: 75 Resp: 15078
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.207 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013632.D
Acq: 05 May 2023 17:52

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-0-3-05012023

Tgt Ion: 75 Resp: 15078
Ion Ratio Lower Upper
75 100
53 0.3 73.2 109.8#
89 0.4 38.0 57.0#

