

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050823\
 Data File : VY013643.D
 Acq On : 08 May 2023 12:52
 Operator : KP/MD
 Sample : 02588-01
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 08 14:44:07 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)

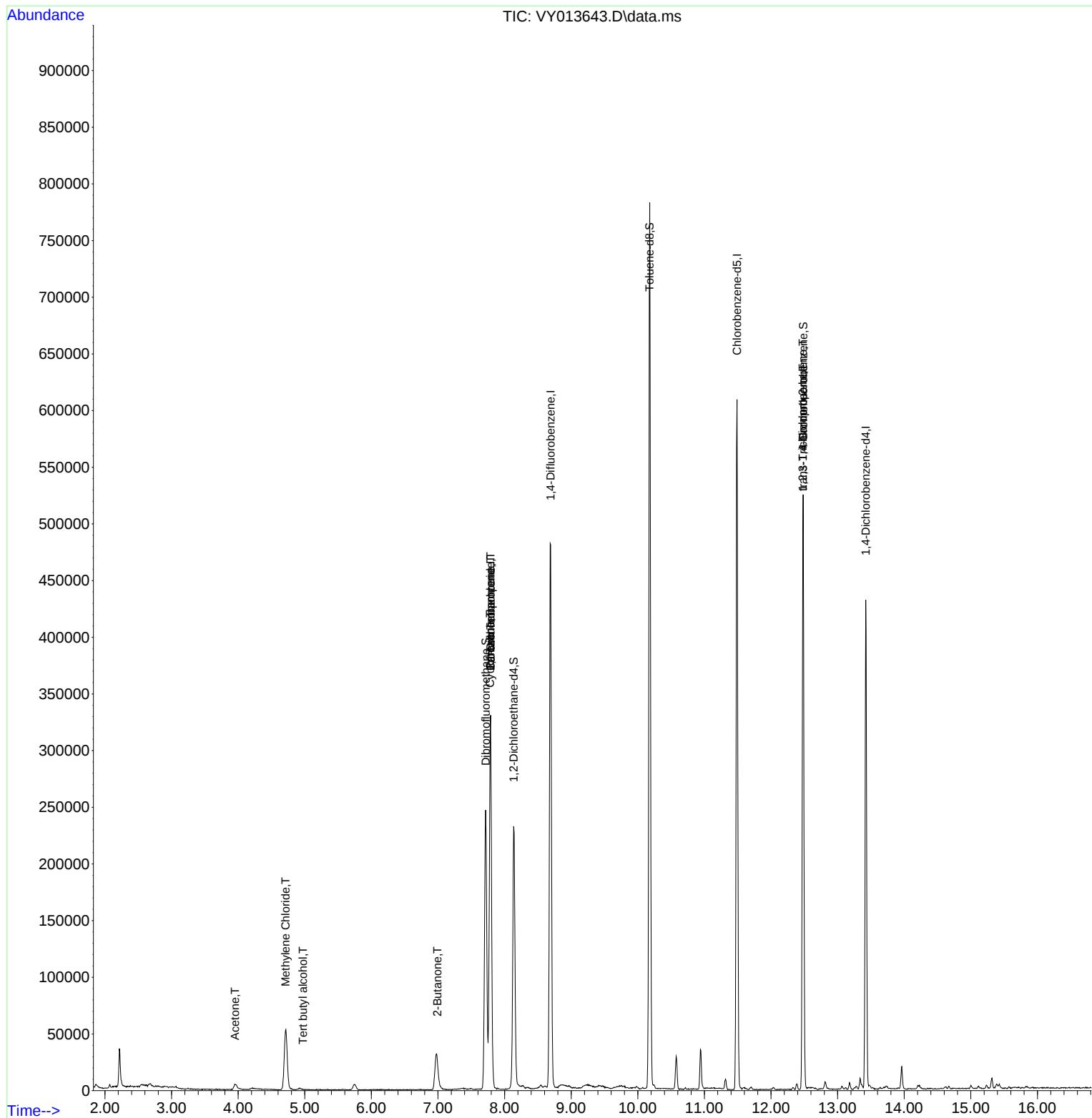
Internal Standards						
1) Pentafluorobenzene	7.789	168	259524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	412696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	329450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	187991	66.079	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.160%	
35) Dibromofluoromethane	7.716	113	168268	64.826	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.660%	
50) Toluene-d8	10.179	98	504278	54.612	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.220%	
62) 4-Bromofluorobenzene	12.483	95	140243	45.051	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	270	1.490	ug/l #	89
13) Acrolein	3.710	56	41	Below Cal	#	16
16) Acetone	3.954	43	11331	10.114	ug/l	96
20) Methylene Chloride	4.710	84	39072	3.630	ug/l #	88
25) 2-Butanone	6.990	43	4130	2.907	ug/l #	71
31) Cyclohexane	7.783	56	5552	1.090	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	19725	4.579	ug/l #	48
38) Carbon Tetrachloride	7.789	117	25112	5.562	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	75688	51.174	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	75688	104.678	ug/l #	13

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

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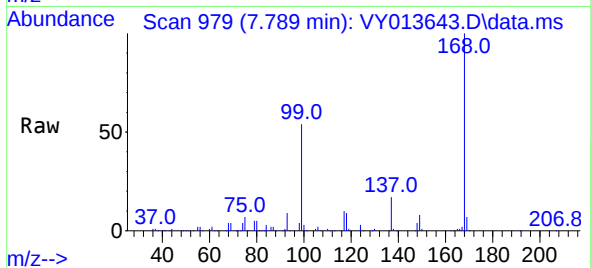
Quant Time: May 08 14:44:07 2023
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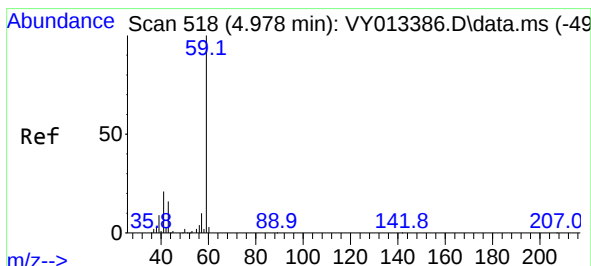
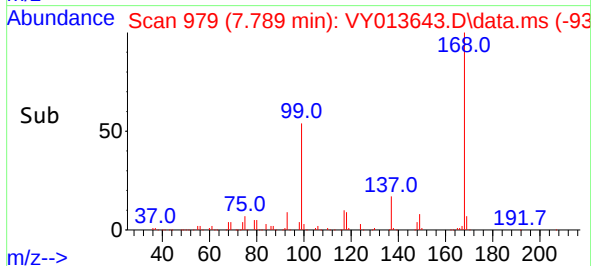
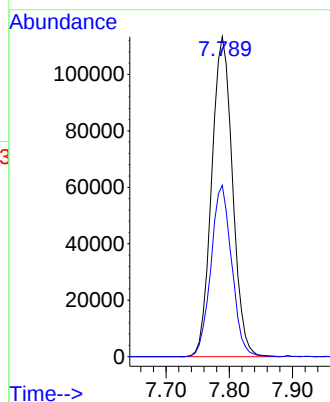


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

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

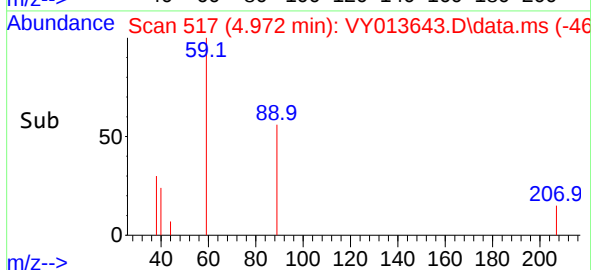
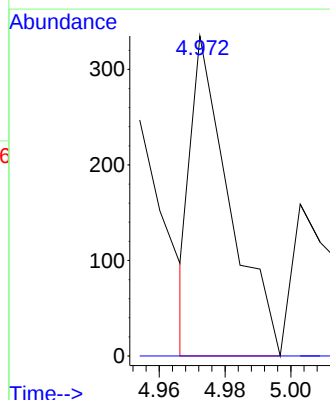
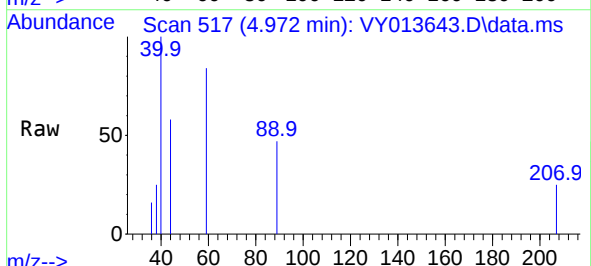


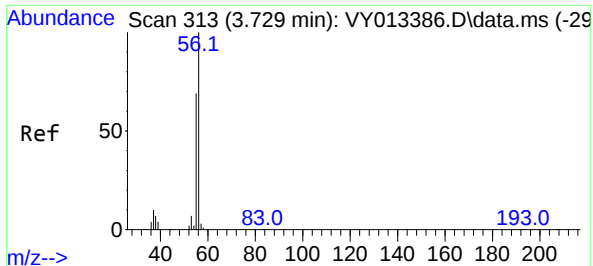
Tgt Ion:168 Resp: 259524
Ion Ratio Lower Upper
168 100
99 53.6 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.490 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

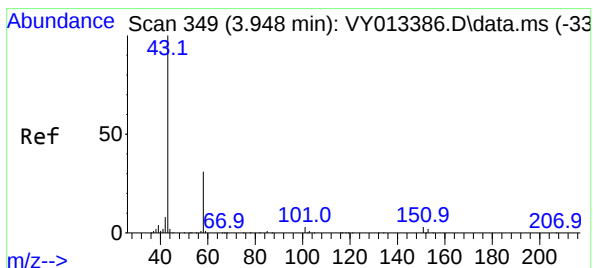
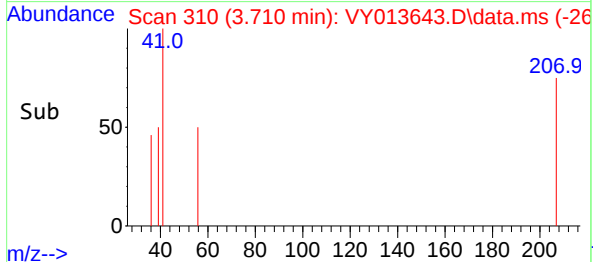
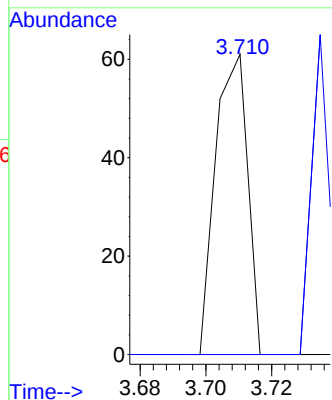
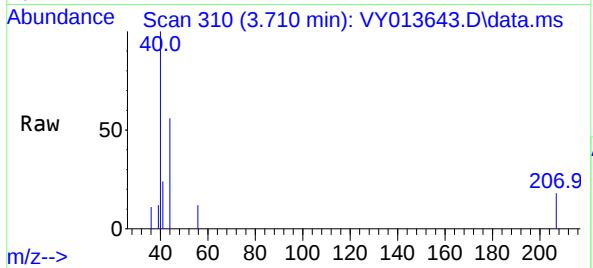




#13
Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 31
Delta R.T. -0.019 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

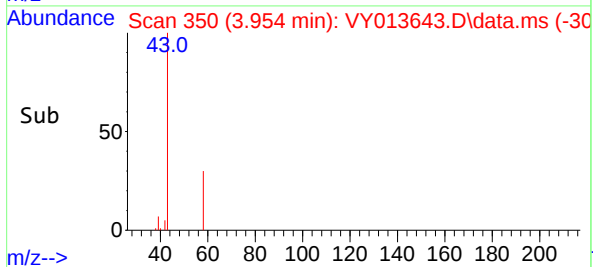
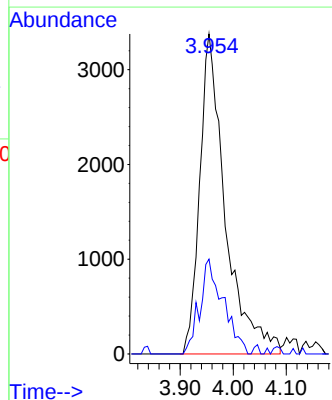
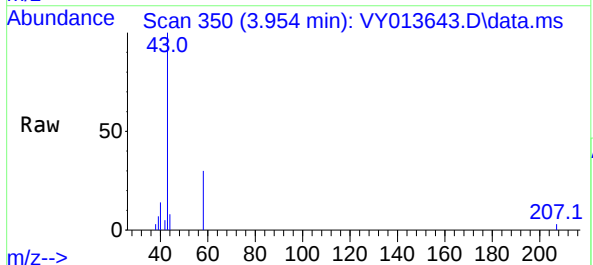
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

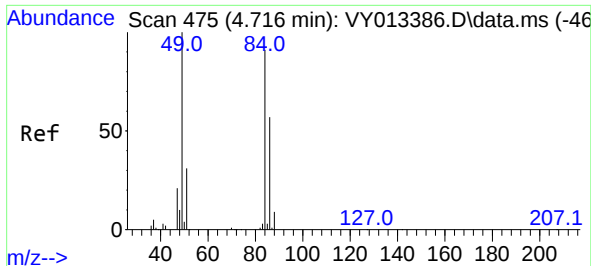
Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 10.114 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

Tgt Ion: 43 Resp: 11331
Ion Ratio Lower Upper
43 100
58 29.7 25.4 38.0



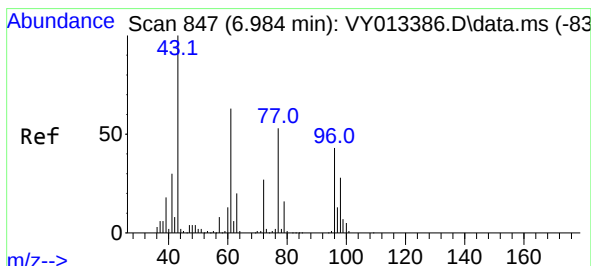
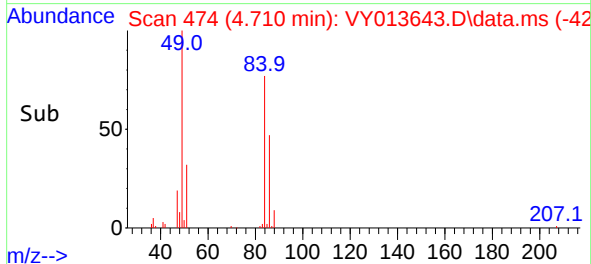
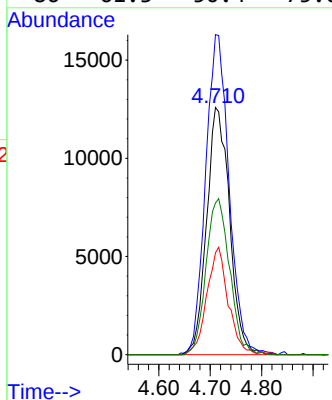
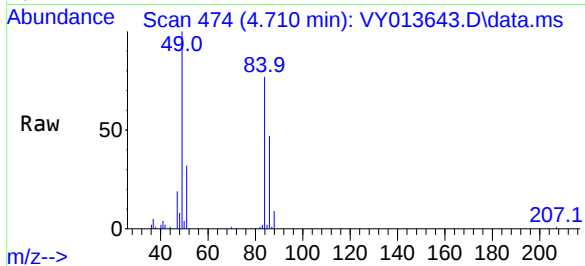


#20
Methylene Chloride
Concen: 3.630 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

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

Tgt Ion: 84 Resp: 39072

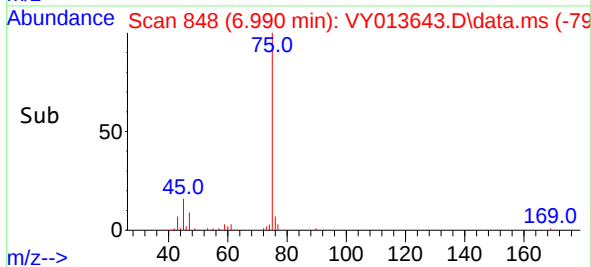
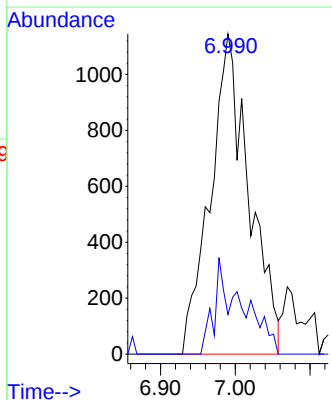
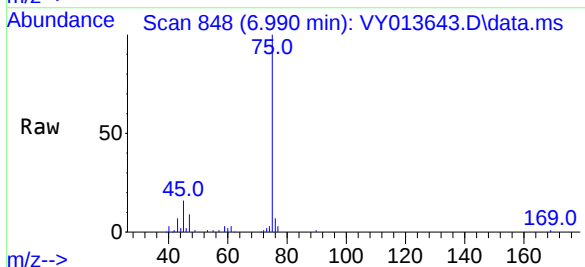
Ion	Ratio	Lower	Upper
84	100		
49	129.5	88.0	132.0
51	41.3	27.4	41.0#
86	61.3	50.4	75.6

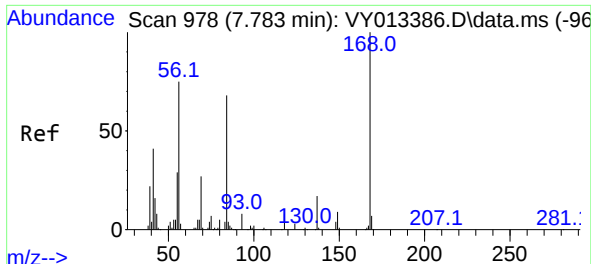


#25
2-Butanone
Concen: 2.907 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

Tgt Ion: 43 Resp: 4130

Ion	Ratio	Lower	Upper
43	100		
72	12.4	21.9	32.9#

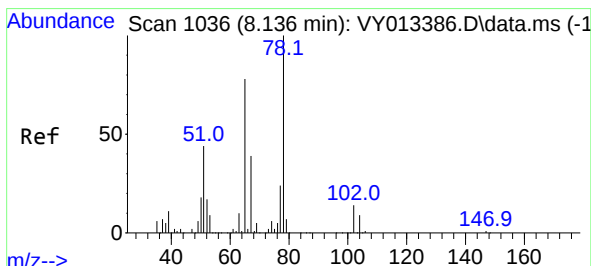
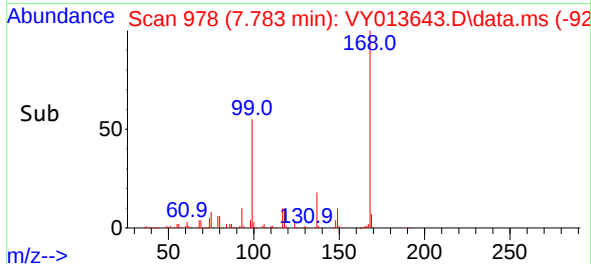
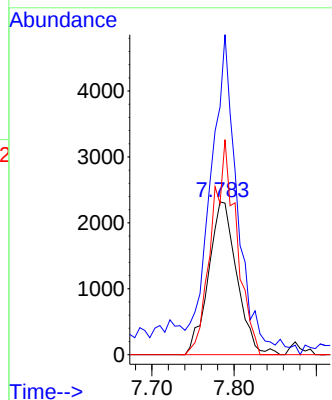
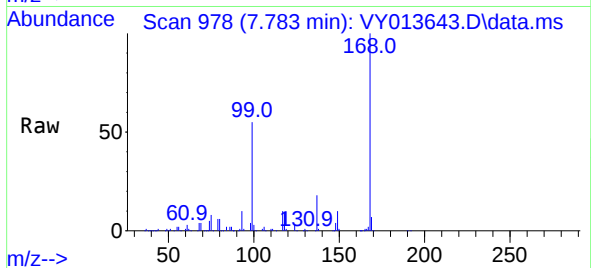




#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

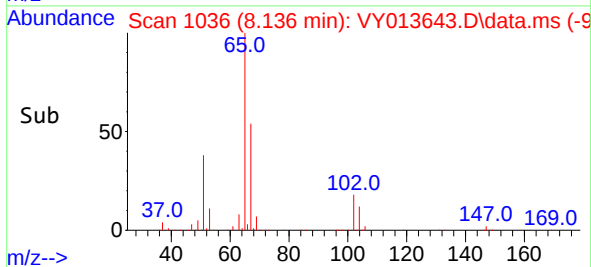
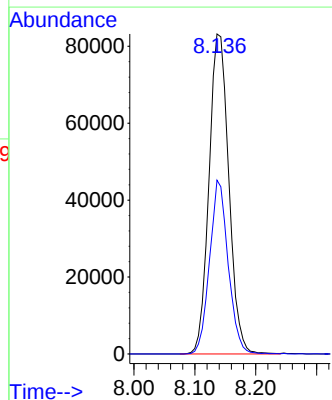
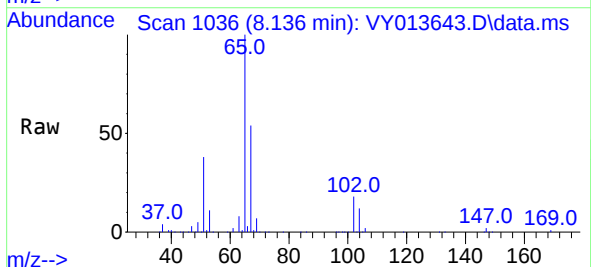
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

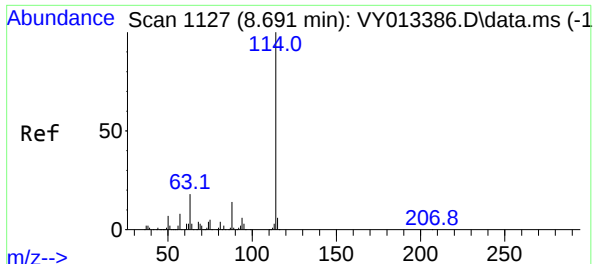
Tgt Ion: 56 Resp: 5552
Ion Ratio Lower Upper
56 100
69 152.1 29.2 43.8#
84 99.0 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 66.079 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

Tgt Ion: 65 Resp: 187991
Ion Ratio Lower Upper
65 100
67 51.0 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: VY013643.D

Acq: 08 May 2023 12:52

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-B-0-3-05012023

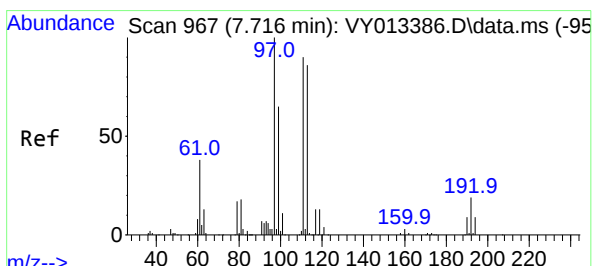
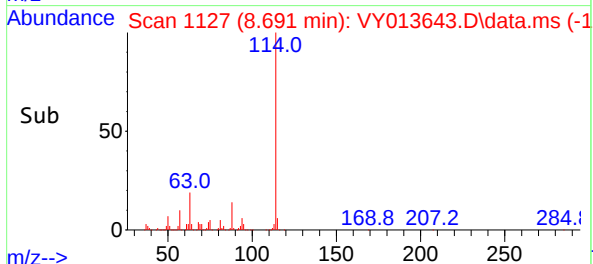
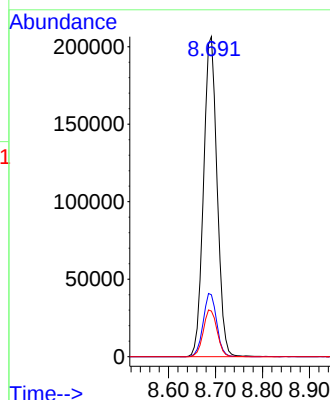
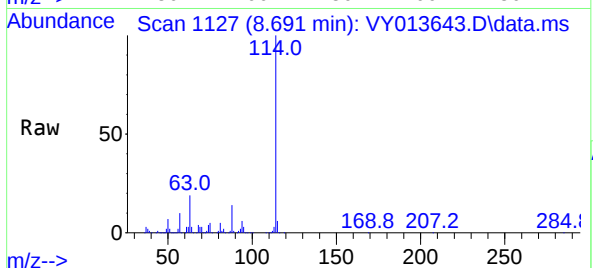
Tgt Ion:114 Resp: 412696

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.6

88 14.3 0.0 28.8



#35

Dibromofluoromethane

Concen: 64.826 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013643.D

Acq: 08 May 2023 12:52

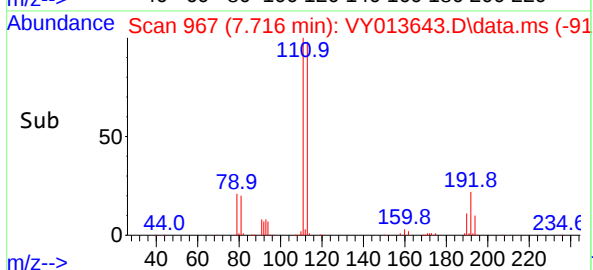
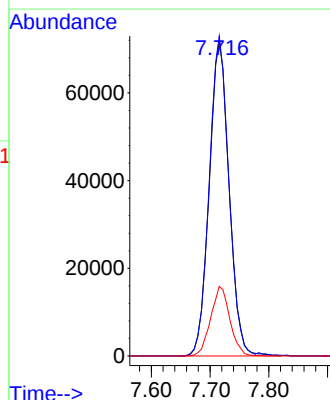
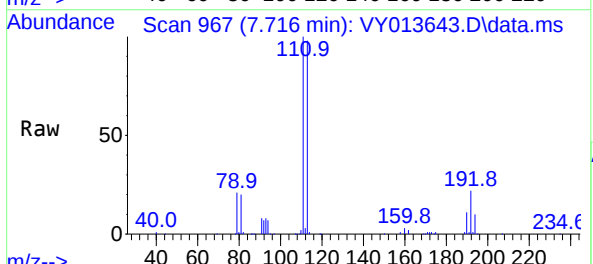
Tgt Ion:113 Resp: 168268

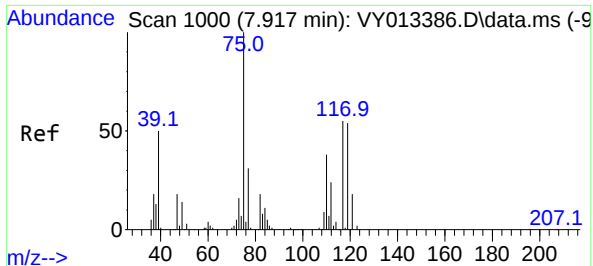
Ion Ratio Lower Upper

113 100

111 100.4 82.2 123.2

192 21.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013643.D

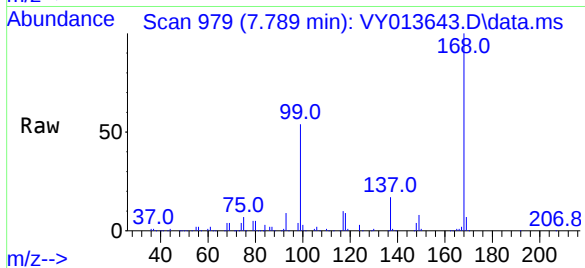
Acq: 08 May 2023 12:52

Instrument :

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ClientSampleId :

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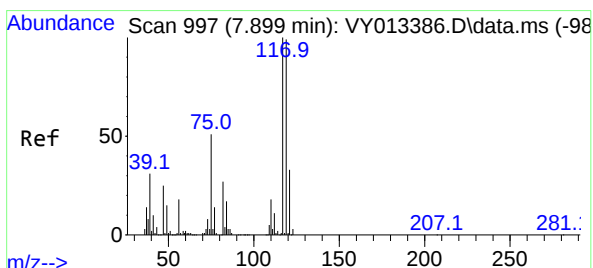
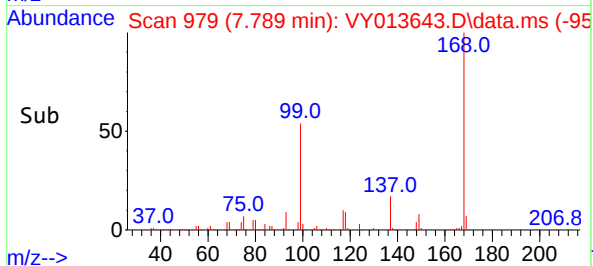
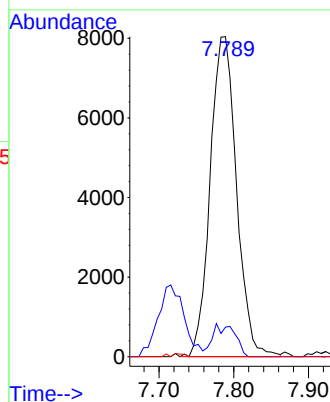
Tgt Ion: 75 Resp: 19725

Ion Ratio Lower Upper

75 100

110 8.7 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.562 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013643.D

Acq: 08 May 2023 12:52

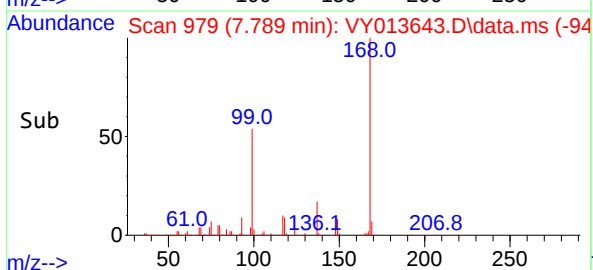
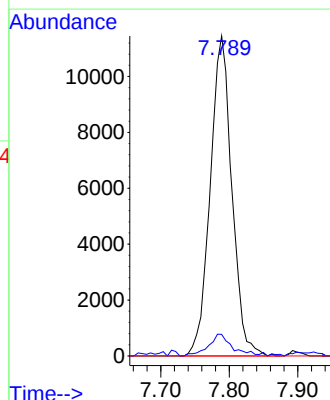
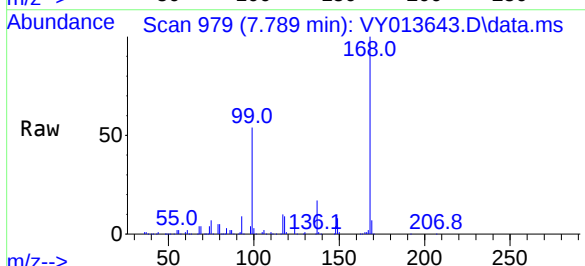
Tgt Ion: 117 Resp: 25112

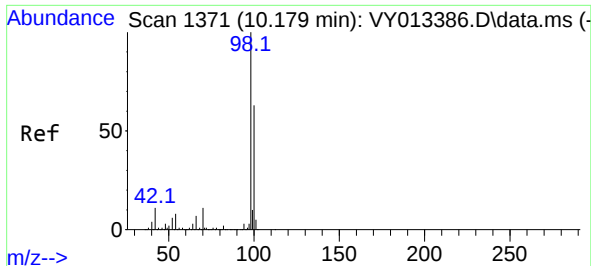
Ion Ratio Lower Upper

117 100

119 6.8 79.0 118.6#

121 0.0 26.6 40.0#

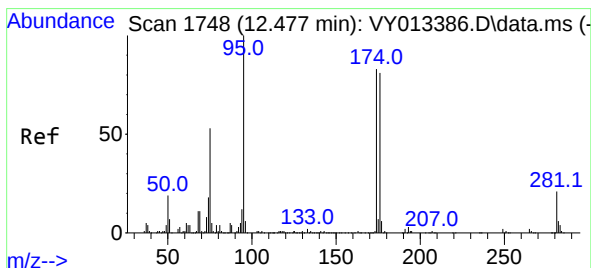
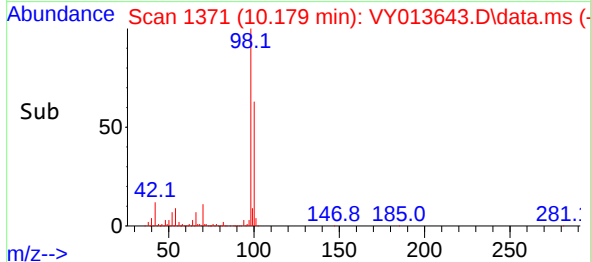
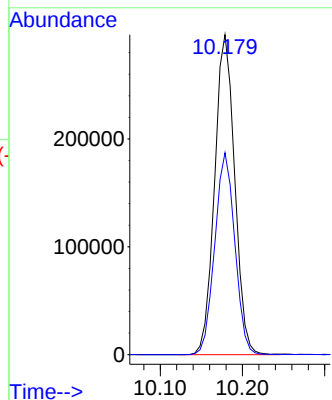
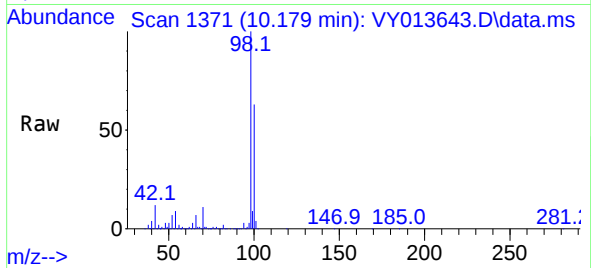




#50
Toluene-d8
Concen: 54.612 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

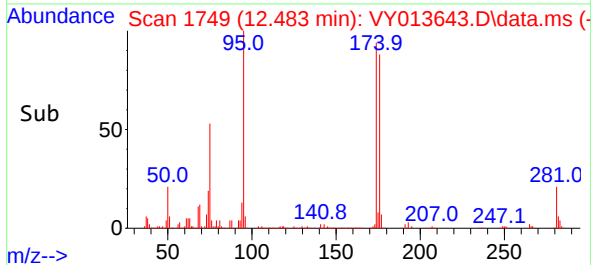
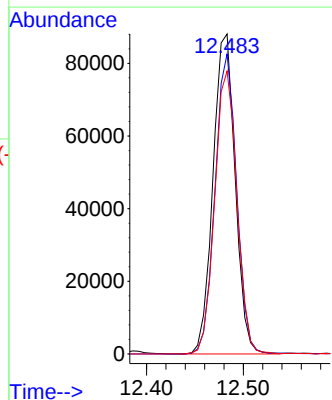
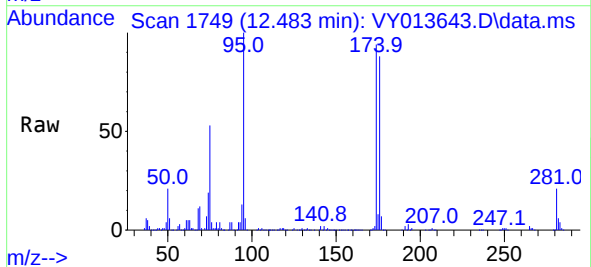
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

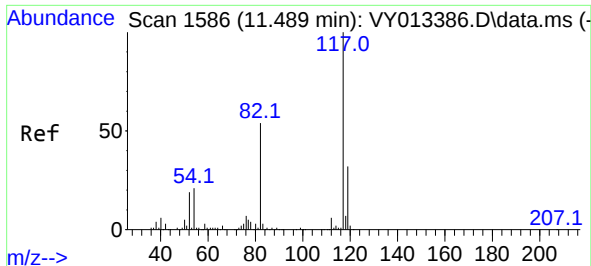
Tgt Ion: 98 Resp: 504278
Ion Ratio Lower Upper
98 100
100 63.0 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 45.051 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

Tgt Ion: 95 Resp: 140243
Ion Ratio Lower Upper
95 100
174 91.5 0.0 182.0
176 88.4 0.0 175.4

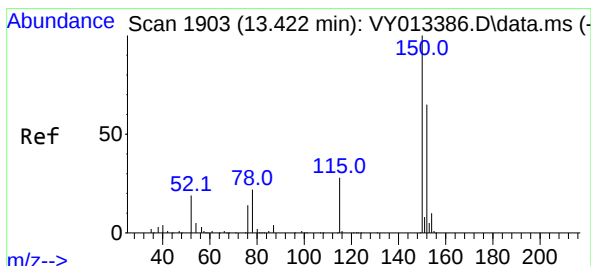
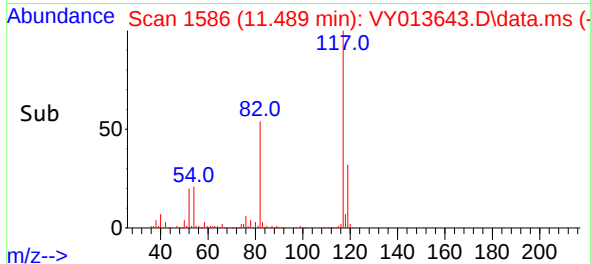
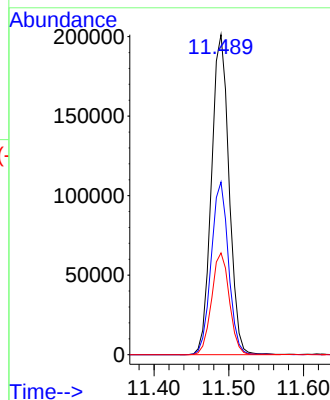
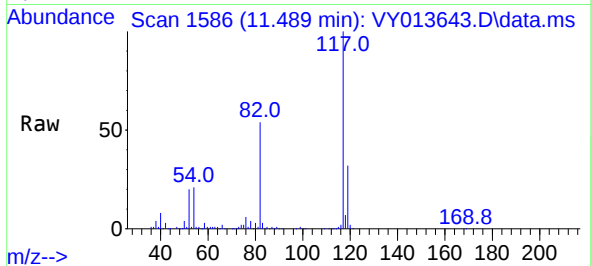




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

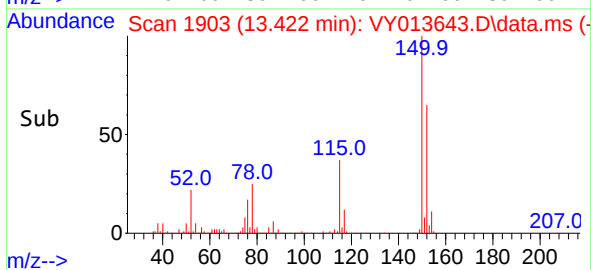
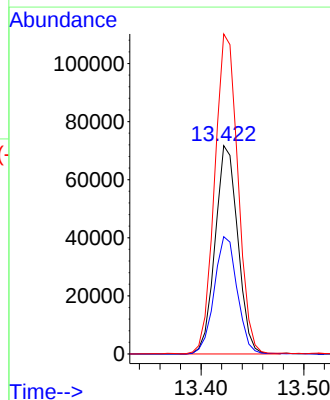
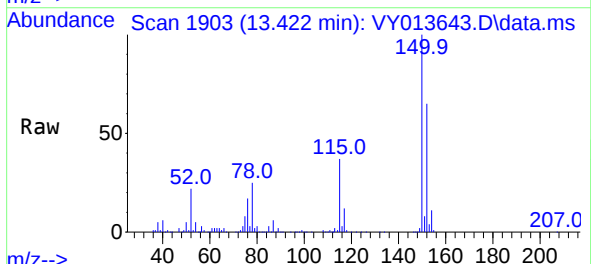
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

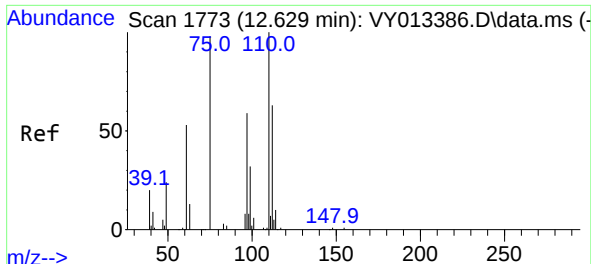
Tgt Ion:117 Resp: 329450
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.6
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

Tgt Ion:152 Resp: 109671
Ion Ratio Lower Upper
152 100
115 57.4 28.1 84.2
150 157.7 0.0 352.0

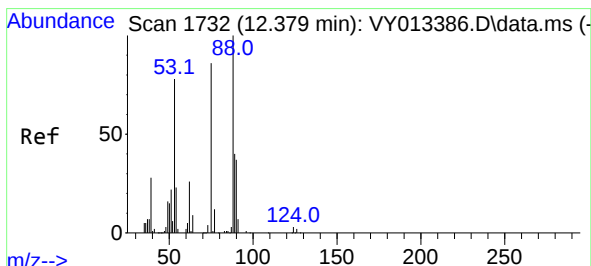
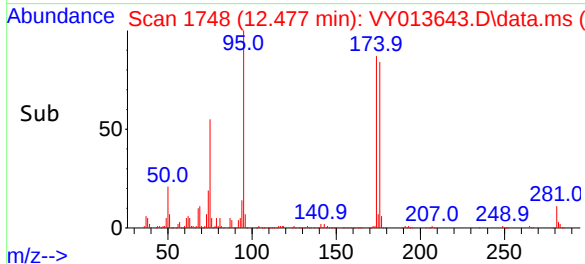
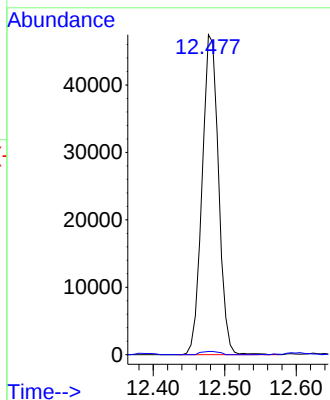
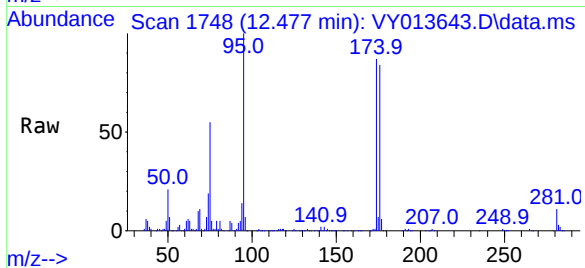




#76
1,2,3-Trichloropropane
Concen: 51.174 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

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

Tgt Ion: 75 Resp: 75688
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.678 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013643.D
Acq: 08 May 2023 12:52

Tgt Ion: 75 Resp: 75688
Ion Ratio Lower Upper
75 100
53 0.3 73.2 109.8#
89 0.2 38.0 57.0#

