

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013611.D
 Acq On : 04 May 2023 19:33
 Operator : KP/MD
 Sample : 02588-06
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: May 05 01:01:32 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)

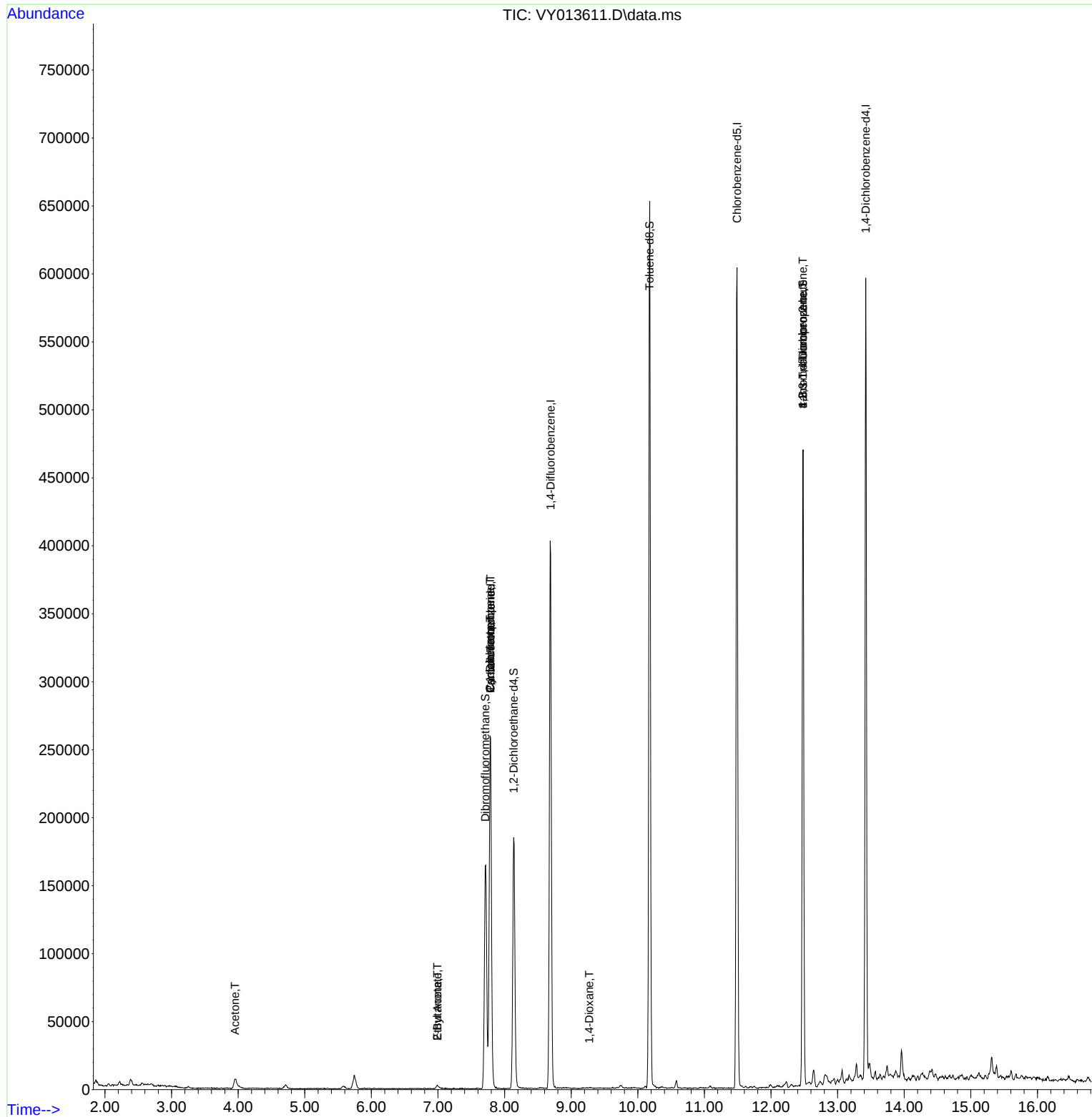
Internal Standards						
1) Pentafluorobenzene	7.789	168	204708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	338646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	326719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	145659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	150437	67.038	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.080%			
35) Dibromofluoromethane	7.710	113	117101	54.979	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.960%			
50) Toluene-d8	10.179	98	421167	55.585	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.160%			
62) 4-Bromofluorobenzene	12.477	95	131940	51.652	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.300%			
Target Compounds						Qvalue
13) Acrolein	3.747	56	415	Below Cal		87
16) Acetone	3.954	43	16150	18.275	ug/l	95
20) Methylene Chloride	4.716	84	1772	Below Cal	#	92
25) 2-Butanone	6.990	43	4130	3.685	ug/l	98
31) Cyclohexane	7.783	56	4480	1.115	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	15280	4.323	ug/l	# 49
37) Ethyl Acetate	6.990	43	4130	1.553	ug/l	# 69
38) Carbon Tetrachloride	7.789	117	19571	5.282	ug/l	# 14
49) 1,4-Dioxane	9.270	88	23	1.034	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	74608	37.980	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	74608	77.691	ug/l	# 13

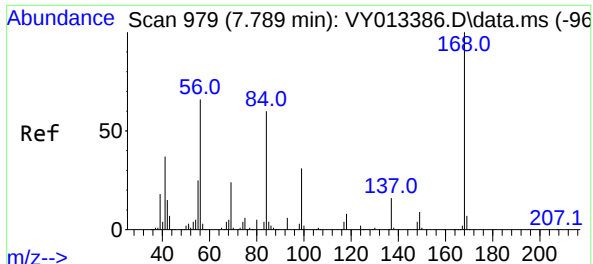
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ZONE-C-6-9-05012023

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Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
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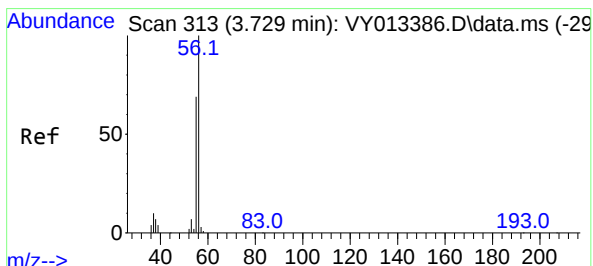
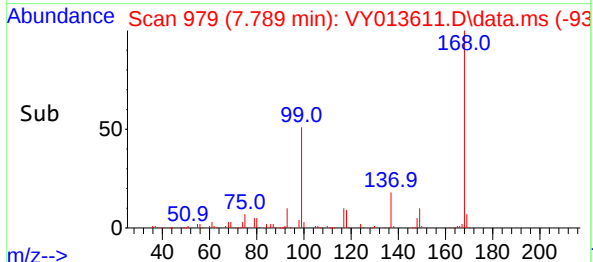
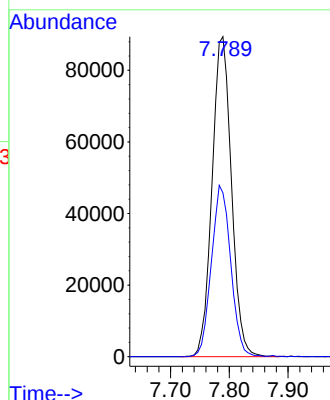
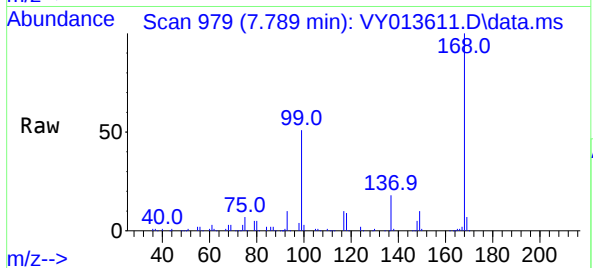




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013611.D
Acq: 04 May 2023 19:33

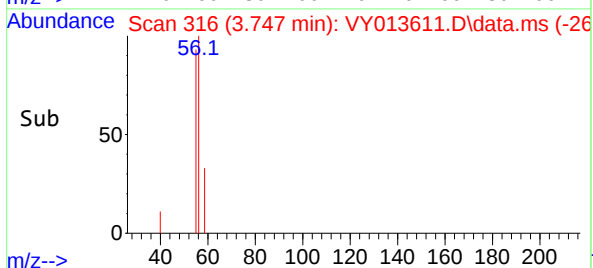
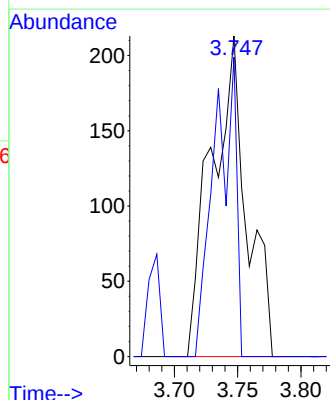
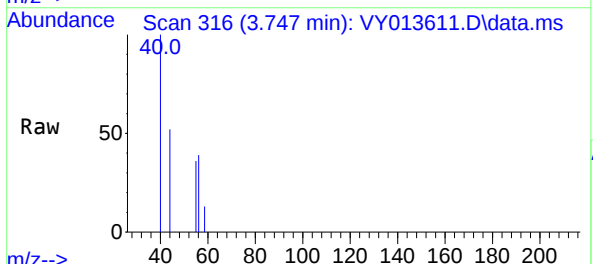
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-6-9-05012023

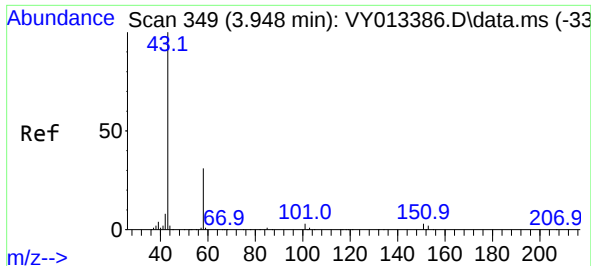
Tgt Ion:168 Resp: 204708
Ion Ratio Lower Upper
168 100
99 51.2 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.018 min
Lab File: VY013611.D
Acq: 04 May 2023 19:33

Tgt Ion: 56 Resp: 415
Ion Ratio Lower Upper
56 100
55 56.9 54.1 81.1

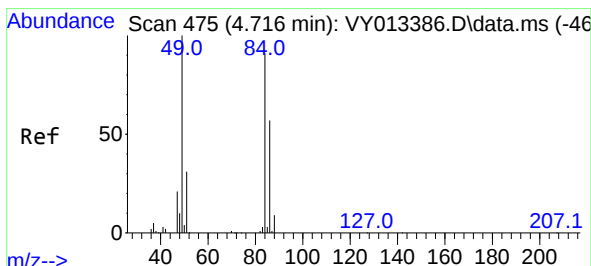
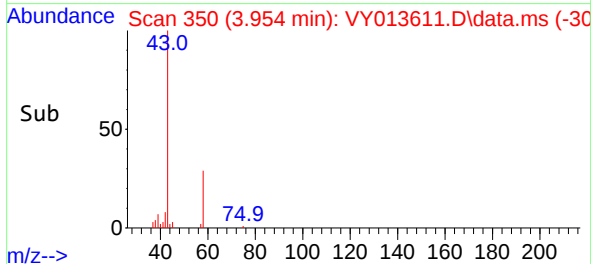
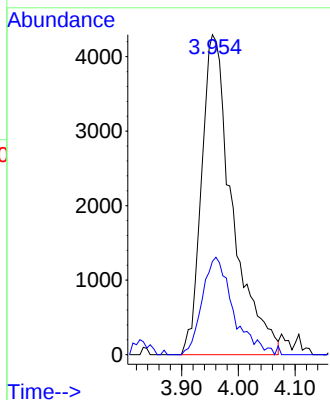
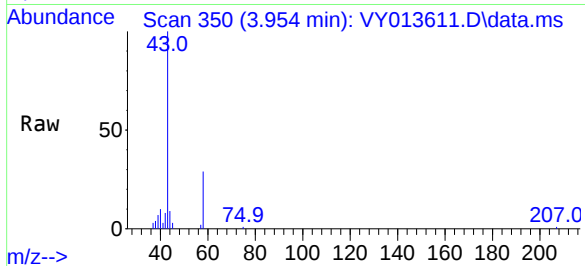




#16
Acetone
Concen: 18.275 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013611.D
Acq: 04 May 2023 19:33

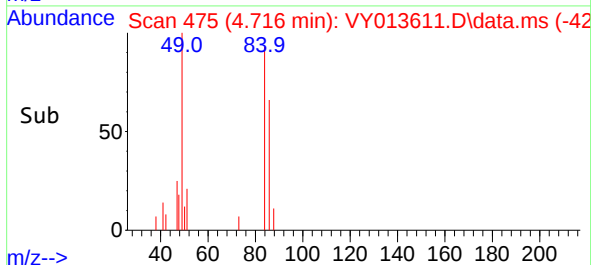
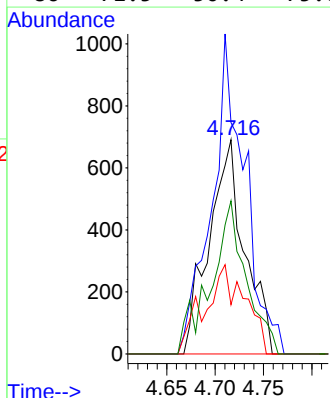
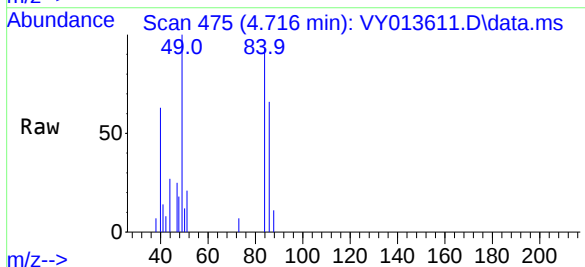
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-6-9-05012023

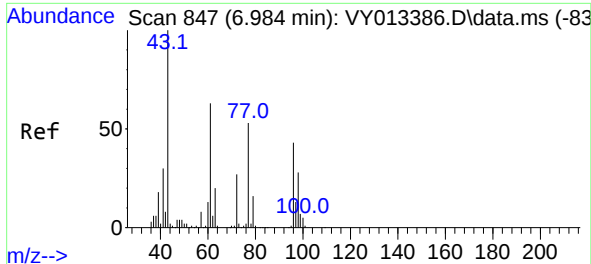
Tgt Ion: 43 Resp: 16150
Ion Ratio Lower Upper
43 100
58 29.1 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013611.D
Acq: 04 May 2023 19:33

Tgt Ion: 84 Resp: 1772
Ion Ratio Lower Upper
84 100
49 108.0 88.0 132.0
51 23.0 27.4 41.0#
86 71.5 50.4 75.6





#25

2-Butanone

Concen: 3.685 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY013611.D

Acq: 04 May 2023 19:33

Instrument :

MSVOA_Y

ClientSampleId :

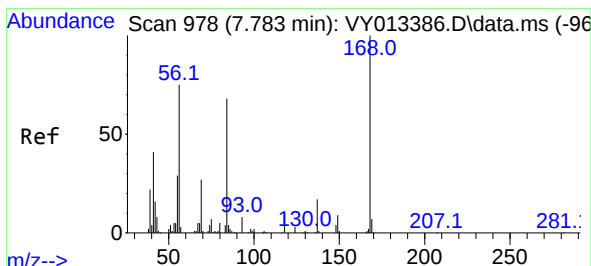
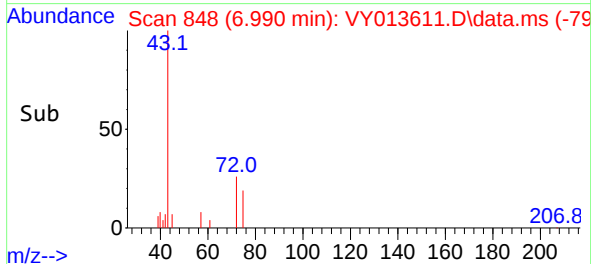
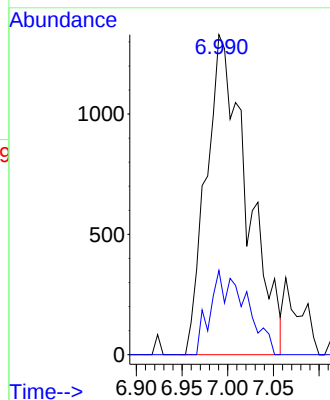
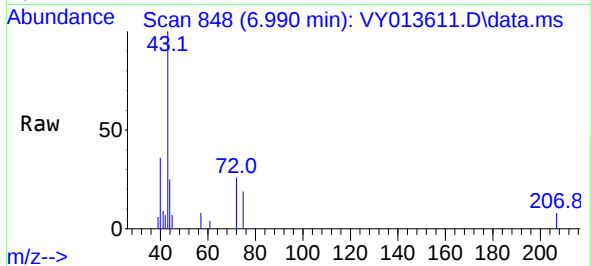
ZONE-C-6-9-05012023

Tgt Ion: 43 Resp: 4130

Ion Ratio Lower Upper

43 100

72 26.3 21.9 32.9



#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013611.D

Acq: 04 May 2023 19:33

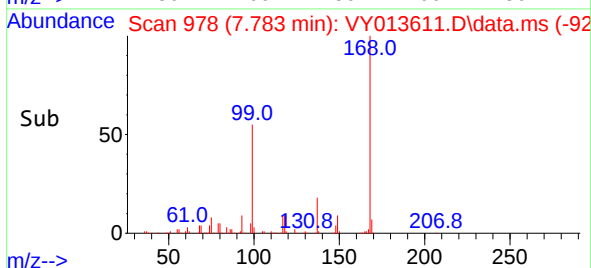
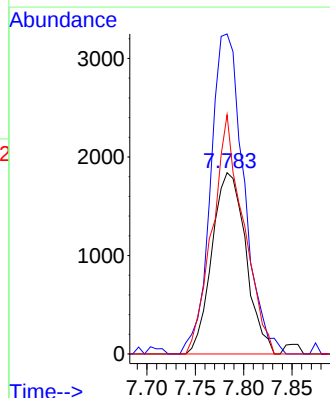
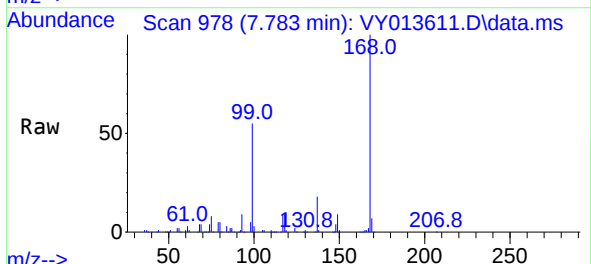
Tgt Ion: 56 Resp: 4480

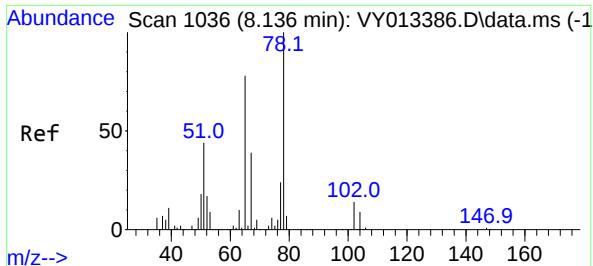
Ion Ratio Lower Upper

56 100

69 176.5 29.2 43.8#

84 139.4 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 67.038 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013611.D

Acq: 04 May 2023 19:33

Instrument :

MSVOA_Y

ClientSampleId :

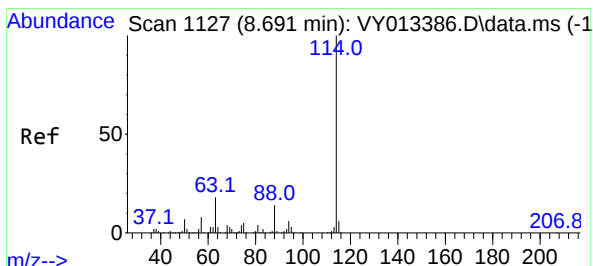
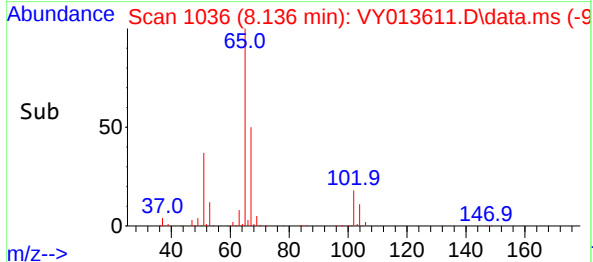
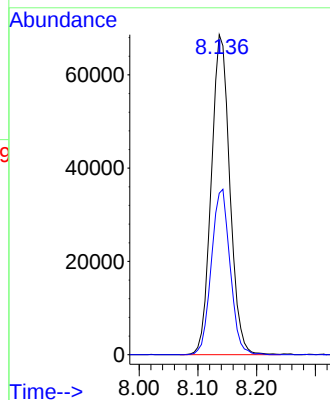
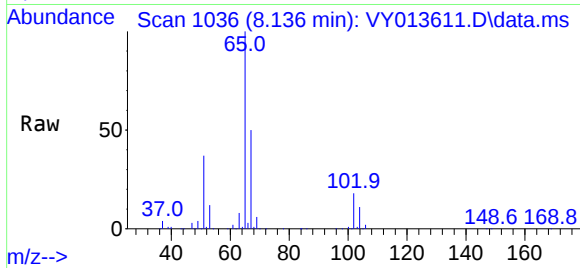
ZONE-C-6-9-05012023

Tgt Ion: 65 Resp: 150437

Ion Ratio Lower Upper

65 100

67 52.1 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: VY013611.D

Acq: 04 May 2023 19:33

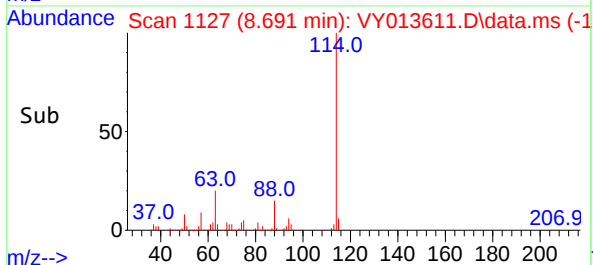
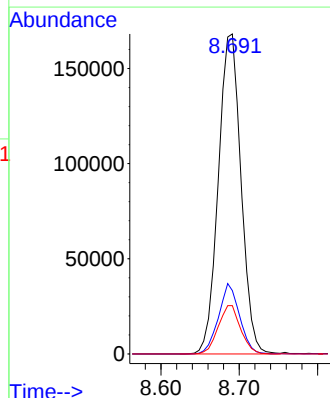
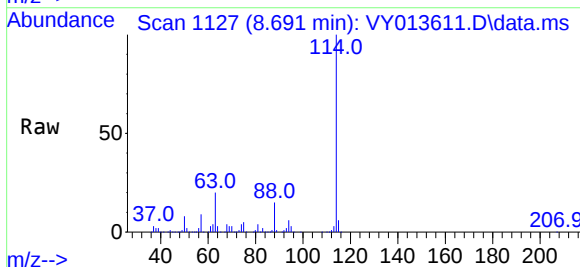
Tgt Ion: 114 Resp: 338646

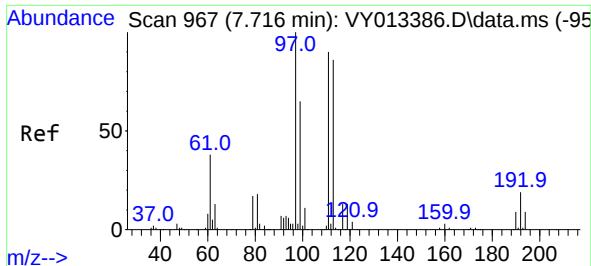
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.6

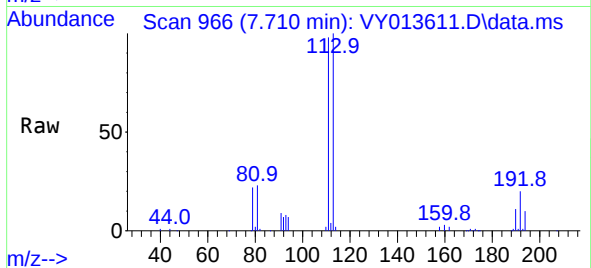
88 15.1 0.0 28.8



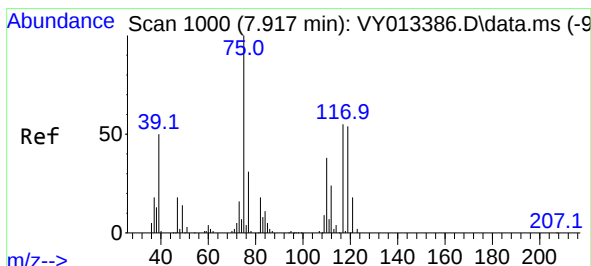
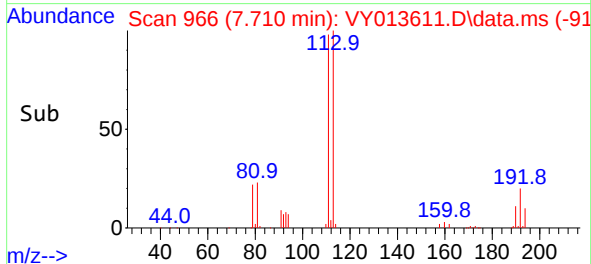
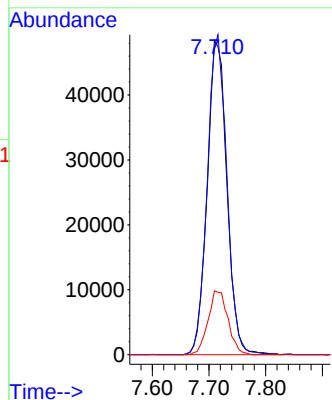


#35
Dibromofluoromethane
Concen: 54.979 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013611.D
Acq: 04 May 2023 19:33

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

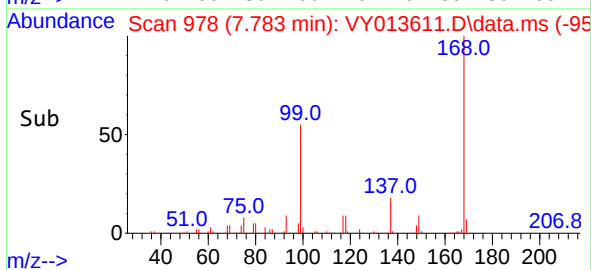
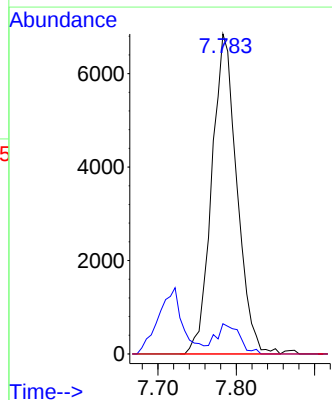
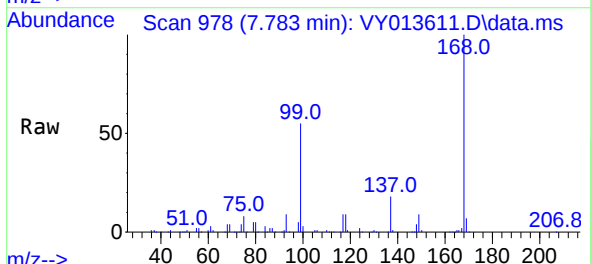


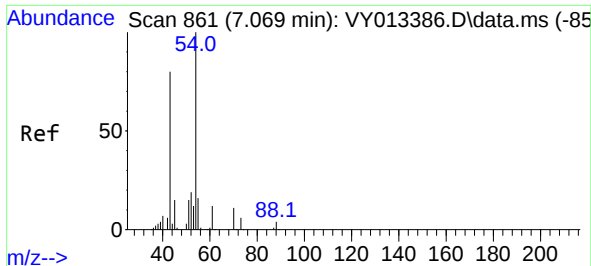
Tgt Ion:113 Resp: 117101
Ion Ratio Lower Upper
113 100
111 100.9 82.2 123.2
192 20.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.323 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013611.D
Acq: 04 May 2023 19:33

Tgt Ion: 75 Resp: 15280
Ion Ratio Lower Upper
75 100
110 9.0 18.7 56.1#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.553 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY013611.D

Acq: 04 May 2023 19:33

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-C-6-9-05012023

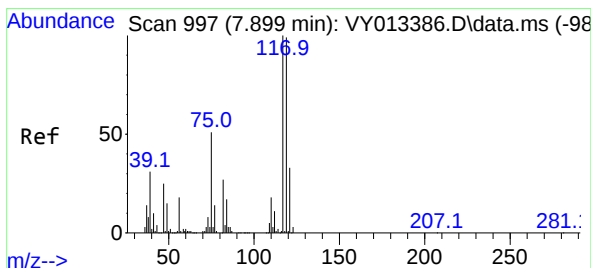
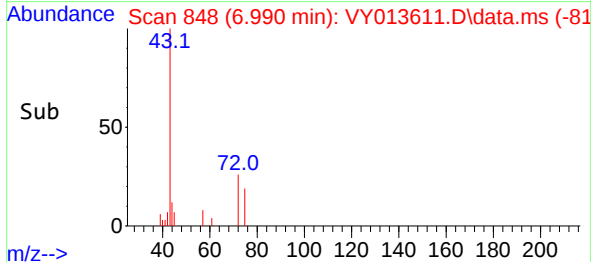
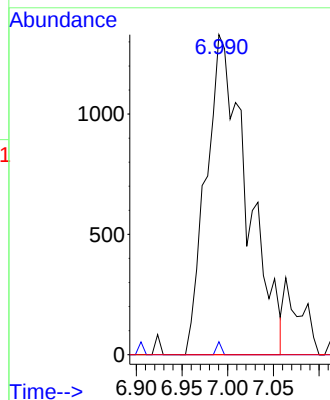
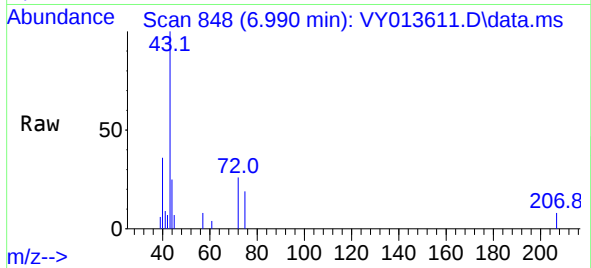
Tgt Ion: 43 Resp: 4130

Ion Ratio Lower Upper

43 100

61 0.5 11.4 17.0#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.282 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013611.D

Acq: 04 May 2023 19:33

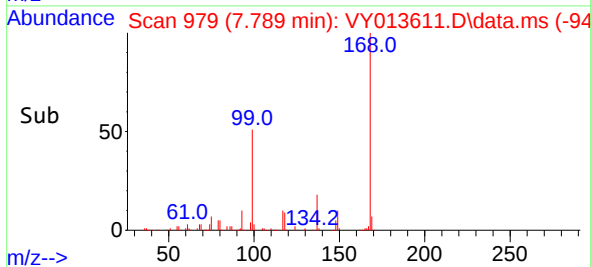
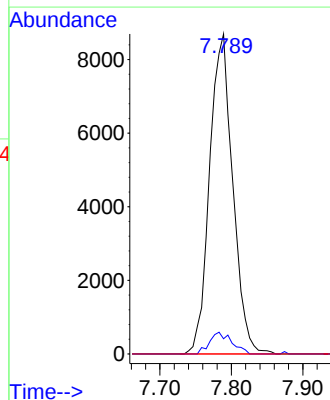
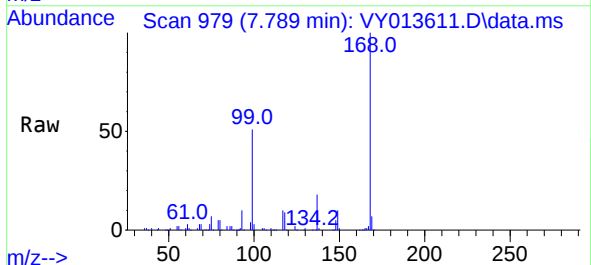
Tgt Ion: 117 Resp: 19571

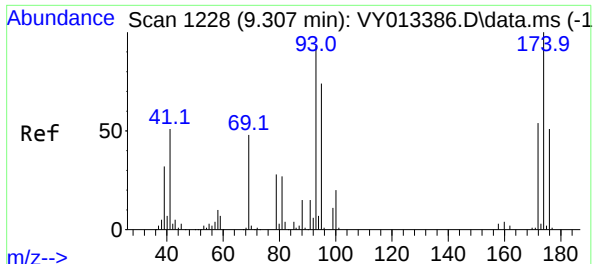
Ion Ratio Lower Upper

117 100

119 4.8 79.0 118.6#

121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 1.034 ug/l

RT: 9.270 min Scan# 11

Delta R.T. -0.037 min

Lab File: VY013611.D

Acq: 04 May 2023 19:33

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-C-6-9-05012023

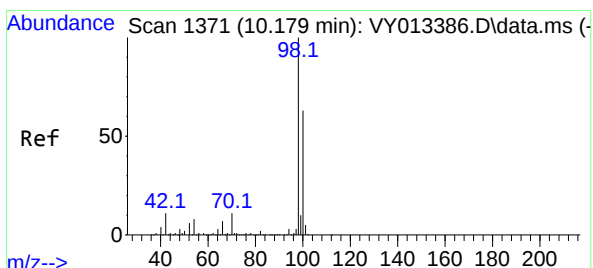
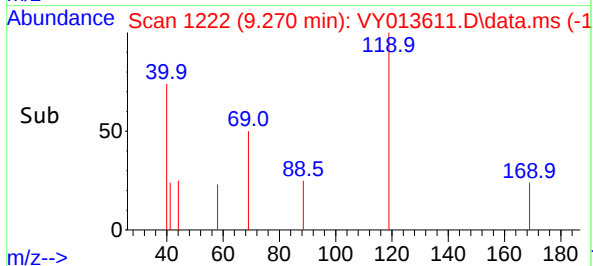
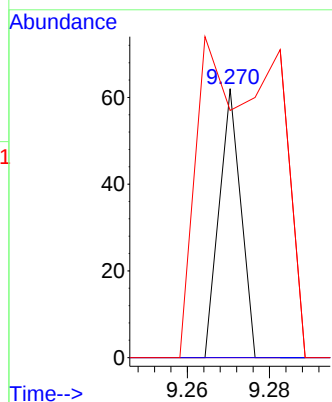
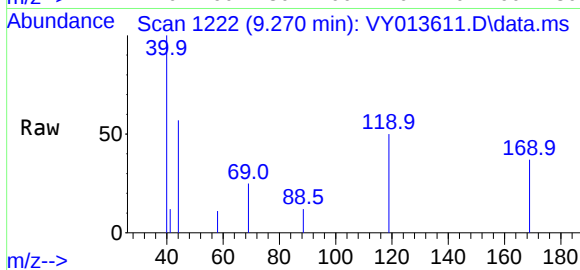
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 16.8 25.2#

58 417.4 54.3 81.5#



#50

Toluene-d8

Concen: 55.585 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013611.D

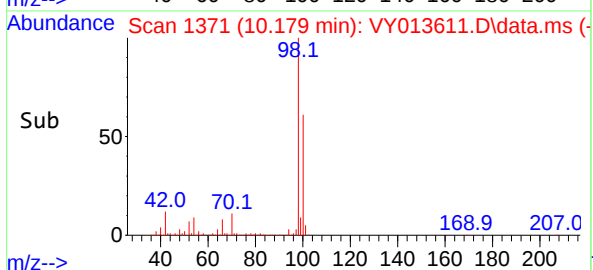
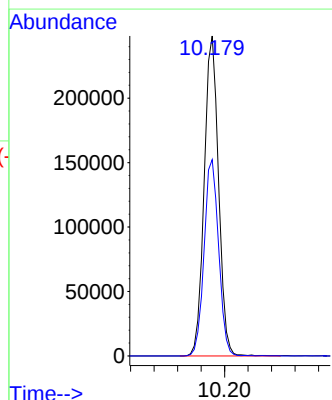
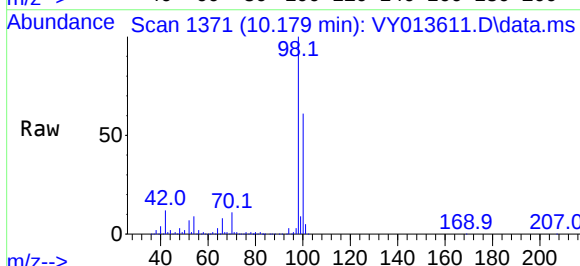
Acq: 04 May 2023 19:33

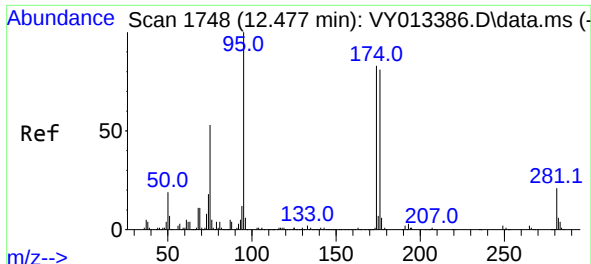
Tgt Ion: 98 Resp: 421167

Ion Ratio Lower Upper

98 100

100 62.2 50.5 75.7

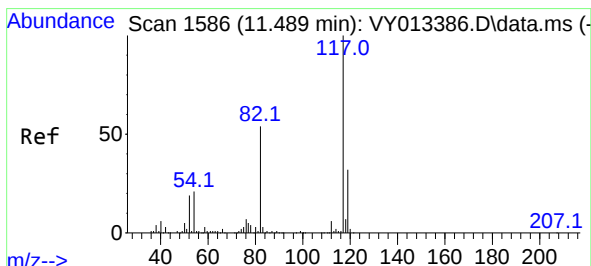
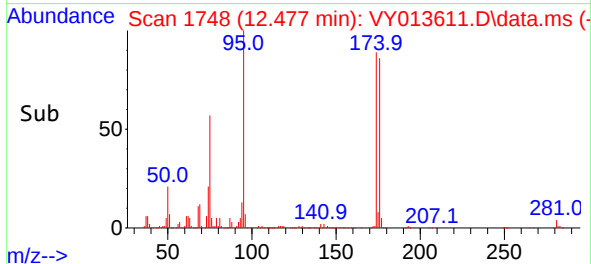
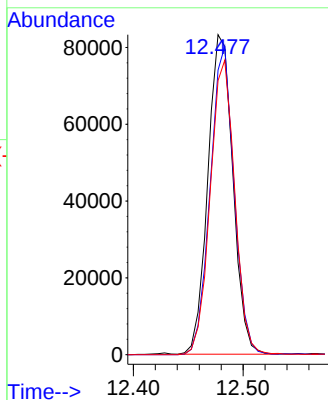
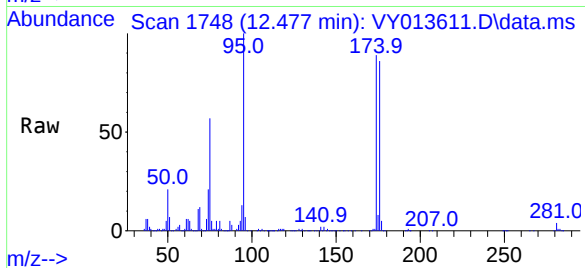




#62
4-Bromofluorobenzene
Concen: 51.652 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013611.D
Acq: 04 May 2023 19:33

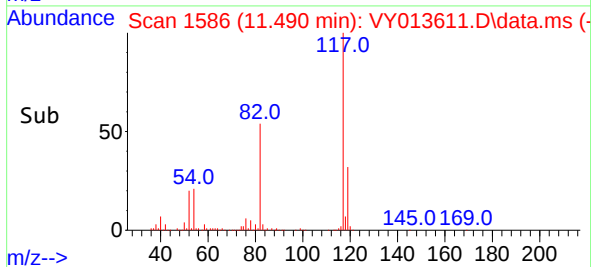
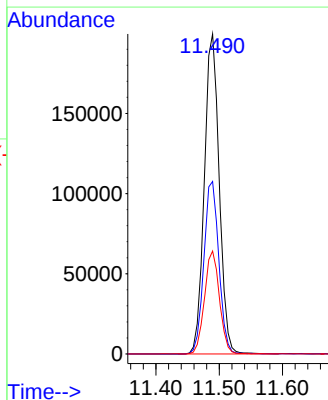
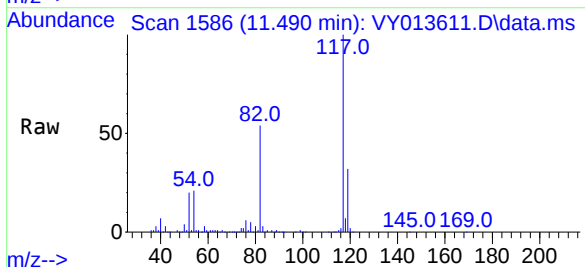
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-6-9-05012023

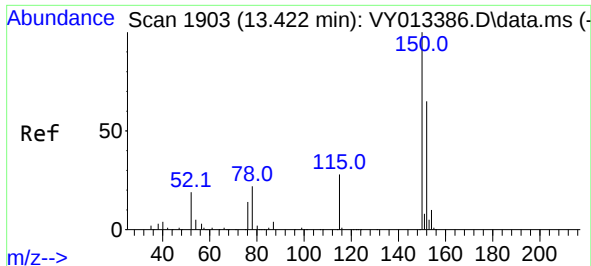
Tgt Ion: 95 Resp: 131940
Ion Ratio Lower Upper
95 100
174 92.6 0.0 182.0
176 90.3 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013611.D
Acq: 04 May 2023 19:33

Tgt Ion: 117 Resp: 326719
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.6
119 32.1 25.5 38.3

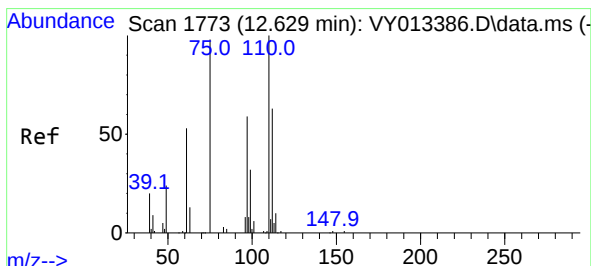
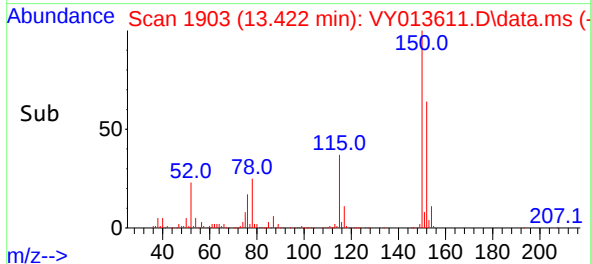
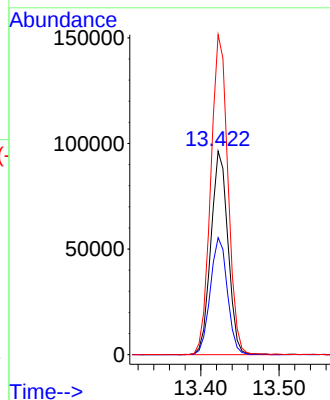
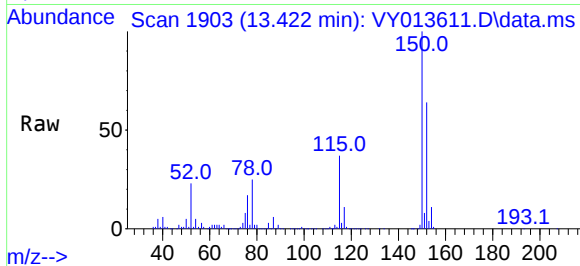




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013611.D
Acq: 04 May 2023 19:33

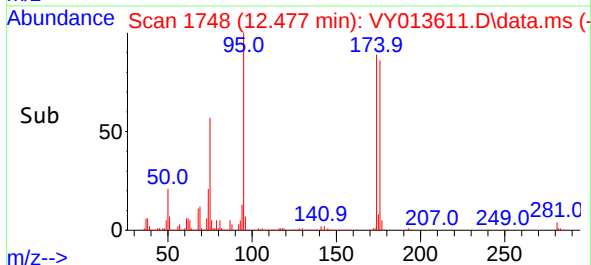
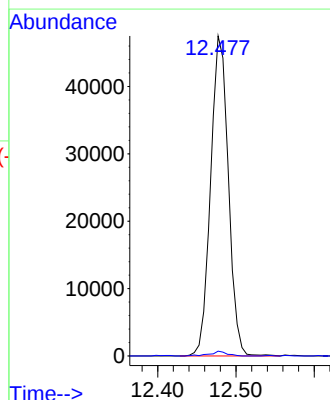
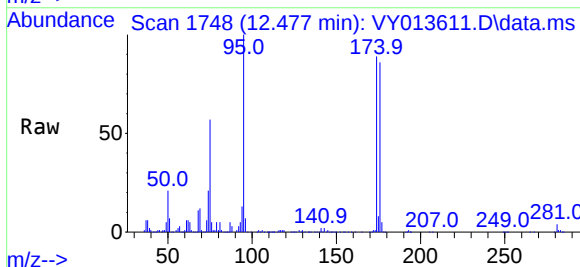
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-C-6-9-05012023

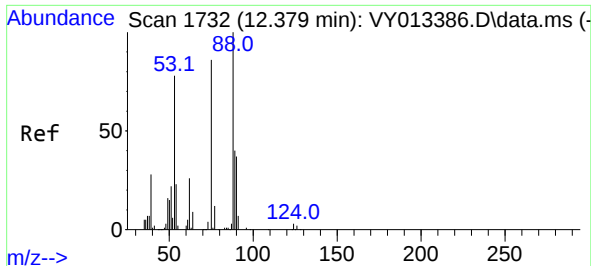
Tgt Ion:152 Resp: 145659
Ion Ratio Lower Upper
152 100
115 57.5 28.1 84.2
150 158.4 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 37.980 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013611.D
Acq: 04 May 2023 19:33

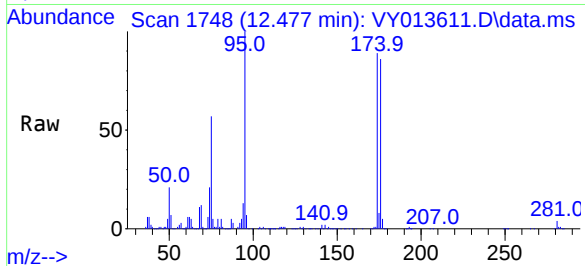
Tgt Ion: 75 Resp: 74608
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.691 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013611.D
 Acq: 04 May 2023 19:33

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



Tgt Ion: 75 Resp: 74608
 Ion Ratio Lower Upper
 75 100
 53 0.6 73.2 109.8#
 89 0.0 38.0 57.0#

