

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013975.D
 Acq On : 01 Jun 2023 19:36
 Operator : KP/MD
 Sample : 02983-02RE
 Misc : 15.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PLYMOUTH-XRDS-001

Quant Time: Jun 02 07:30:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

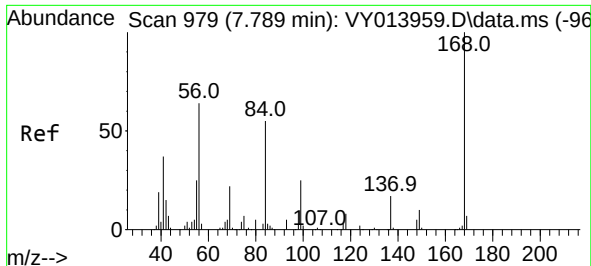
Internal Standards						
1) Pentafluorobenzene	7.783	168	158888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	276602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	278892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128988	61.326	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.660%	
35) Dibromofluoromethane	7.716	113	95403	54.273	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.540%	
50) Toluene-d8	10.173	98	342351	51.058	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.477	95	114969	50.295	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.580%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.716	84	4269	Below Cal		91
31) Cyclohexane	7.777	56	3792	1.497	ug/l #	23
36) 1,1-Dichloropropene	7.783	75	12610	5.035	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15903	5.667	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	63590	37.253	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63590	79.033	ug/l #	11
95) Naphthalene	15.239	128	546	3.966	ug/l #	74

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

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The chromatogram displays the Total Ion Chromatogram (TIC) for the sample VY013975.D\data.ms. The y-axis represents Abundance, ranging from 0 to 600,000. The x-axis represents Time in minutes, ranging from 2.00 to 16.00. The baseline is relatively flat with minor noise. Several sharp, well-resolved peaks are visible, each labeled with its corresponding compound name. The peaks are as follows:

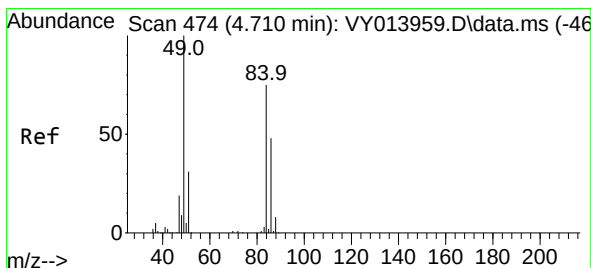
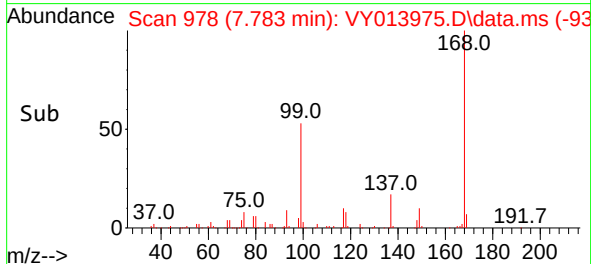
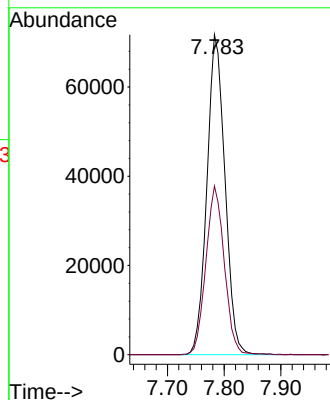
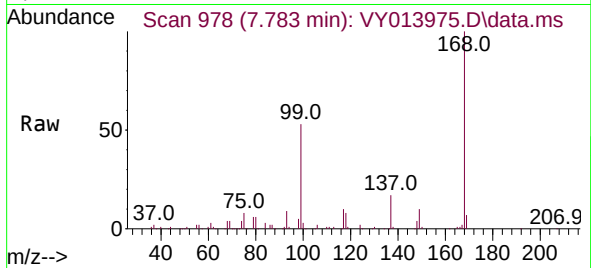
Compound	Approximate Retention Time (min)	Approximate Abundance
Naphthalene, T	7.8	140,000
1,2-Dichloroethane-d4, S	8.1	160,000
1,4-Difluorobenzene, I	8.8	330,000
Toluene-d8, S	10.2	530,000
Chlorobenzene-d5, I	11.6	480,000
1,2,3,4-Tetrachlorobenzene, T	12.4	420,000
1,4-Dichlorobenzene-d4, I	13.4	480,000
Naphthalene, T	15.2	30,000



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

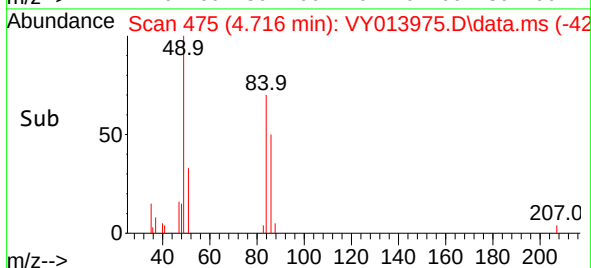
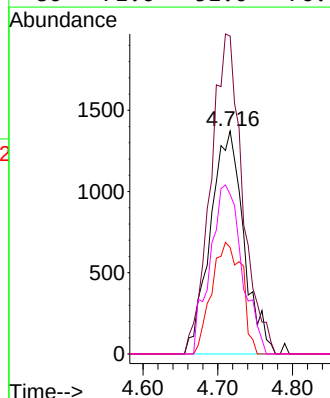
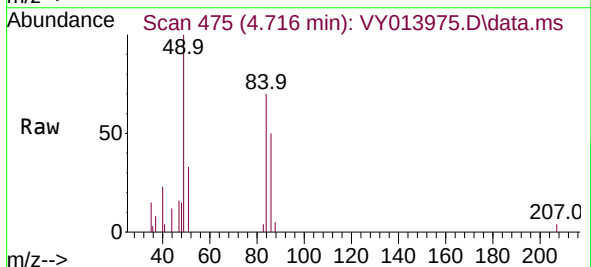
Instrument :
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ClientSampleId :
PLYMOUTH-XRDS-001

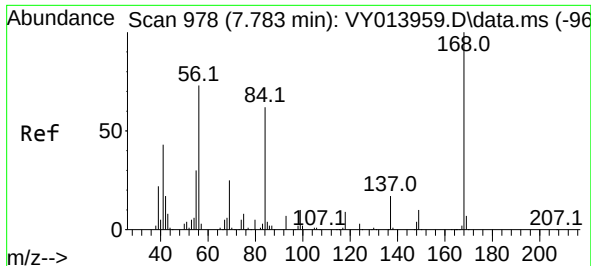
Tgt Ion:168 Resp: 158888
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

Tgt Ion: 84 Resp: 4269
Ion Ratio Lower Upper
84 100
49 142.6 106.9 160.3
51 47.7 33.2 49.8
86 71.6 51.0 76.6

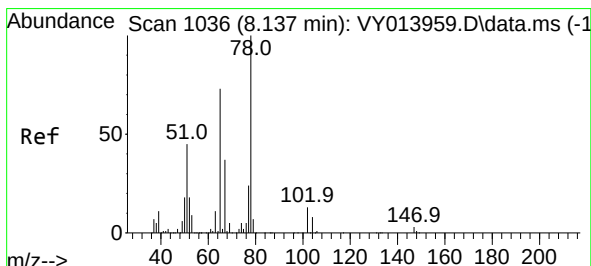
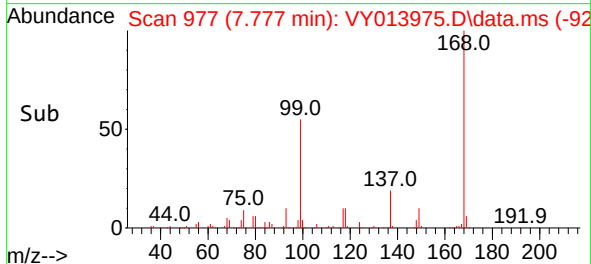
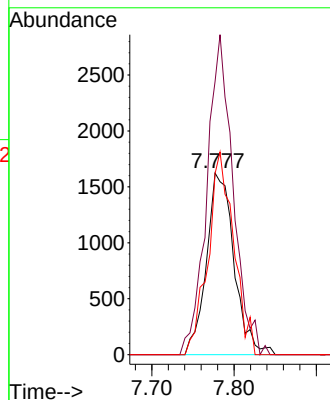
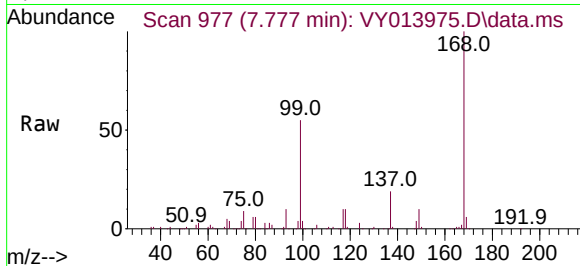




#31
Cyclohexane
Concen: 1.497 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

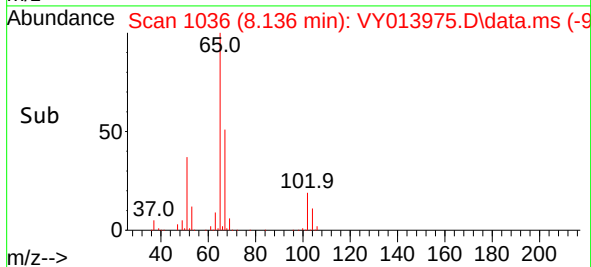
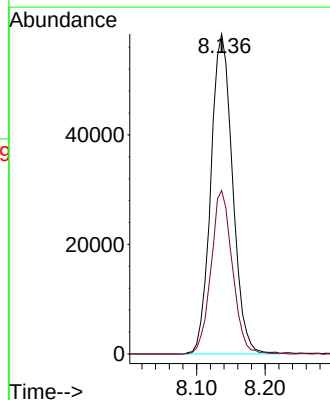
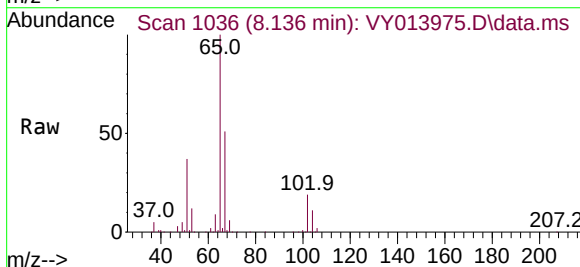
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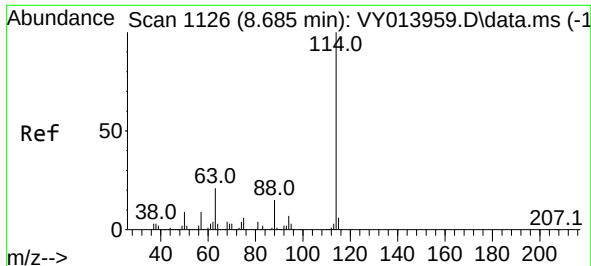
Tgt Ion: 56 Resp: 3792
Ion Ratio Lower Upper
56 100
69 150.4 27.8 41.6#
84 106.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 61.326 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

Tgt Ion: 65 Resp: 128988
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8

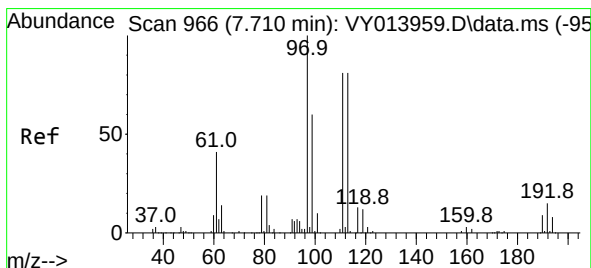
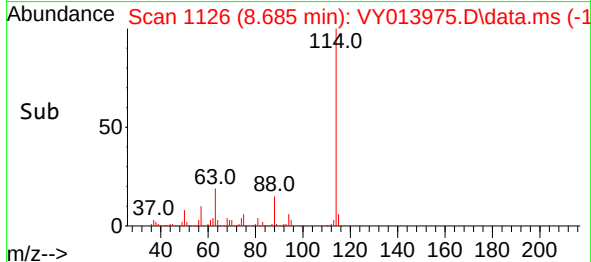
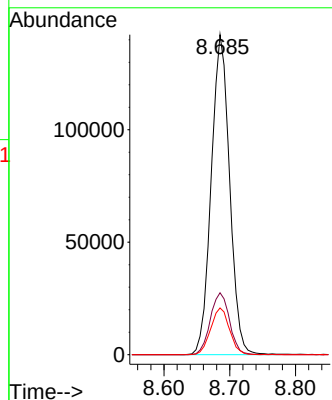
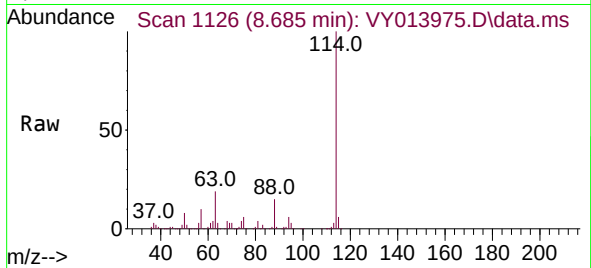




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

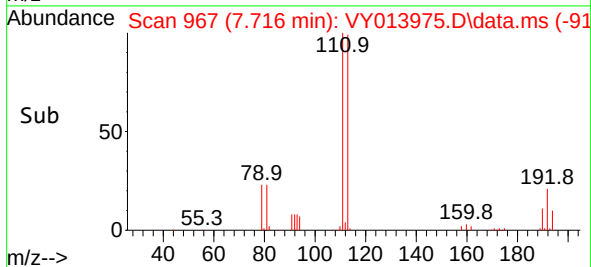
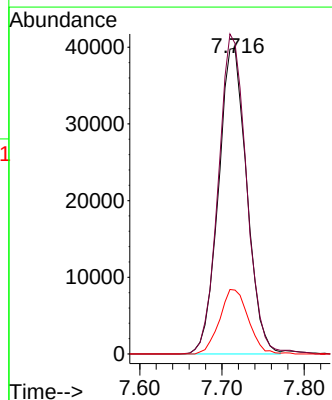
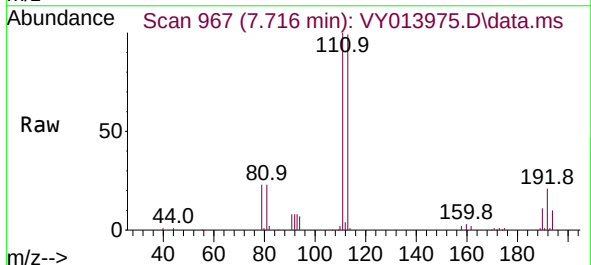
Instrument :
MSVOA_Y
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PLYMOUTH-XRDS-001

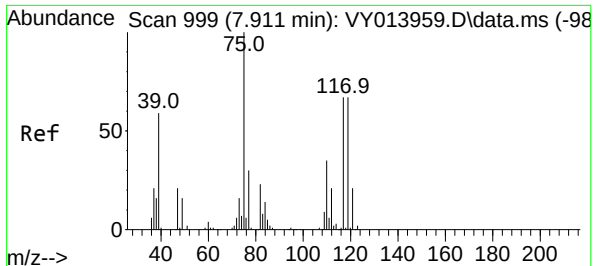
Tgt Ion:114 Resp: 276602
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.273 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

Tgt Ion:113 Resp: 95403
Ion Ratio Lower Upper
113 100
111 104.2 81.3 121.9
192 21.4 16.9 25.3

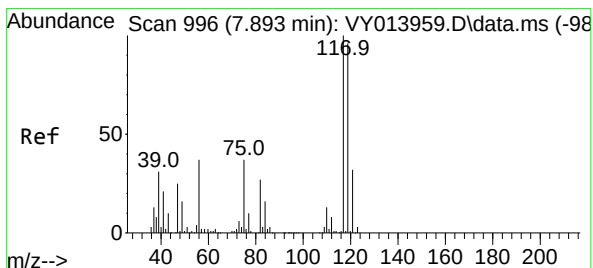
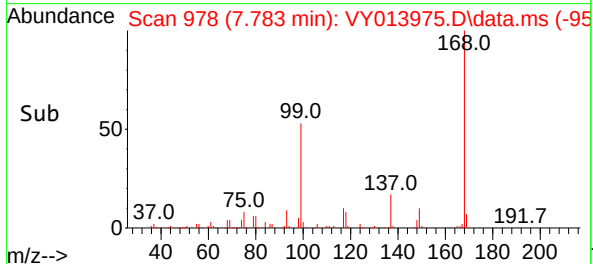
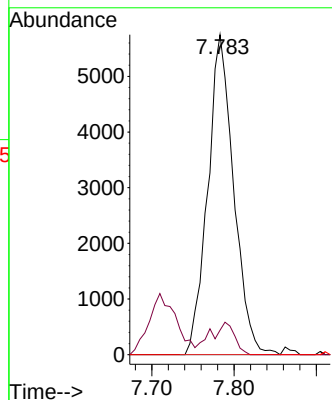
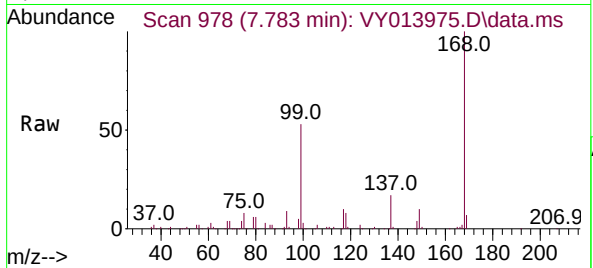




#36
1,1-Dichloropropene
Concen: 5.035 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

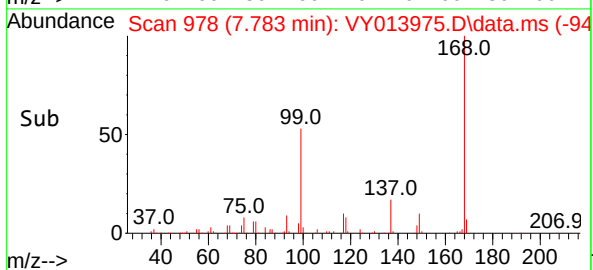
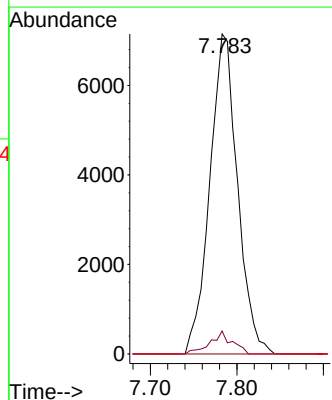
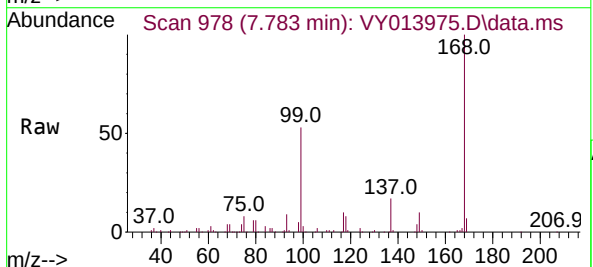
Instrument :
MSVOA_Y
ClientSampleId :
PLYMOUTH-XRDS-001

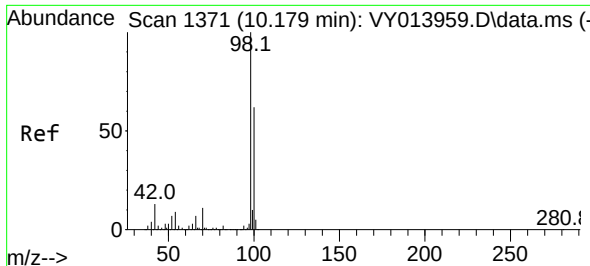
Tgt Ion: 75 Resp: 12610
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

Tgt Ion: 117 Resp: 15903
Ion Ratio Lower Upper
117 100
119 7.2 76.4 114.6#
121 0.0 25.8 38.6#

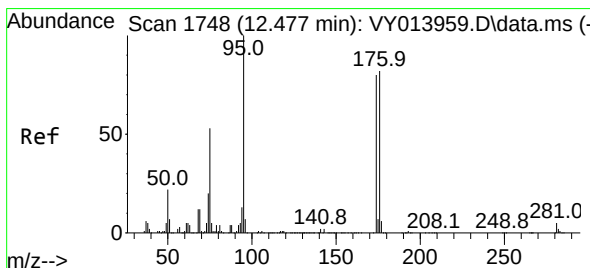
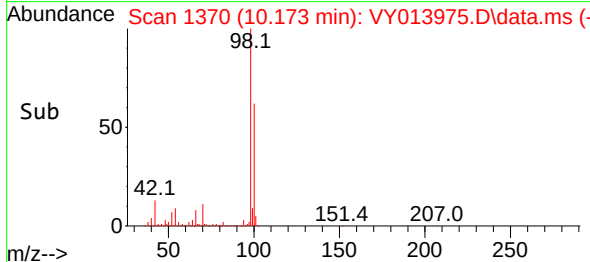
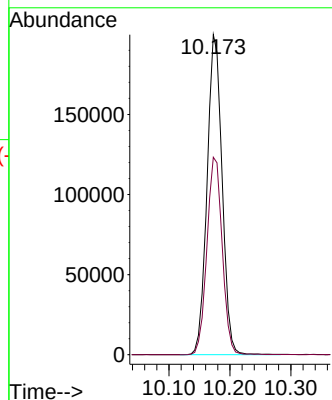
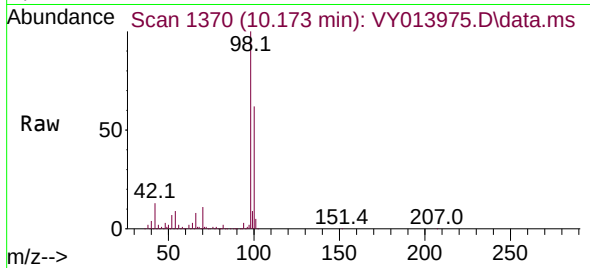




#50
Toluene-d8
Concen: 51.058 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

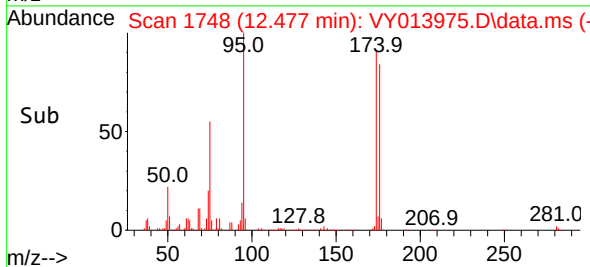
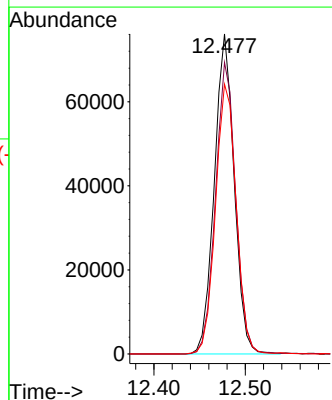
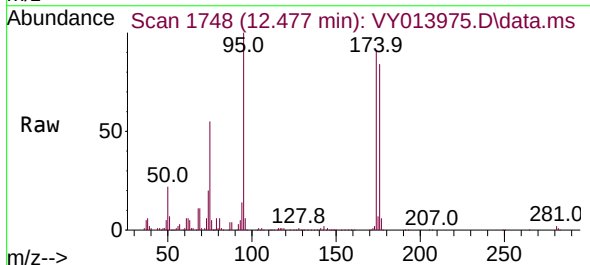
Instrument :
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ClientSampleId :
PLYMOUTH-XRDS-001

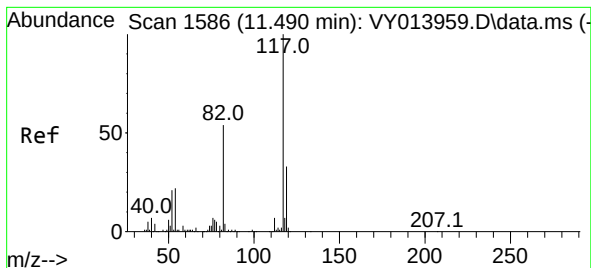
Tgt Ion: 98 Resp: 342351
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.295 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

Tgt Ion: 95 Resp: 114969
Ion Ratio Lower Upper
95 100
174 92.8 0.0 178.2
176 87.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013975.D

Acq: 01 Jun 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

PLYMOUTH-XRDS-001

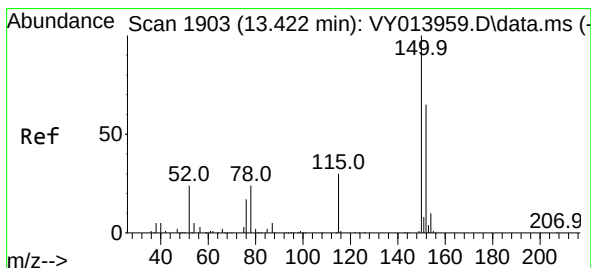
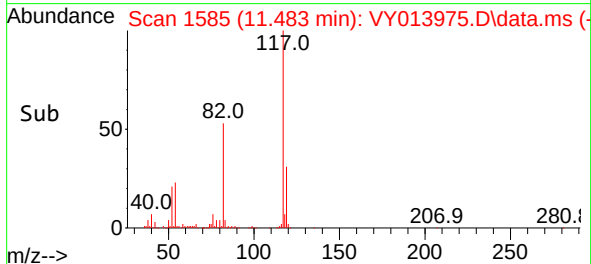
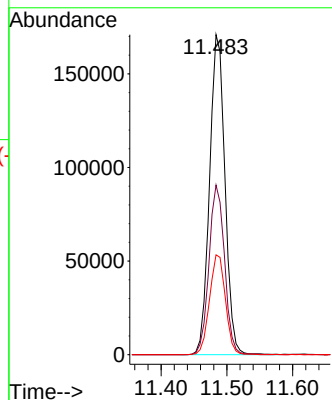
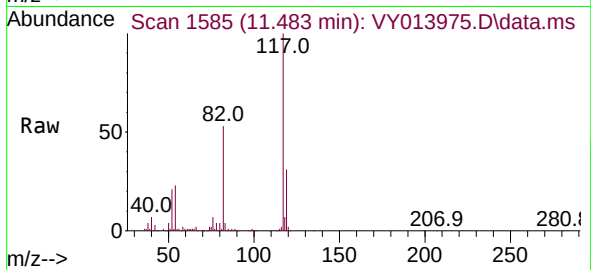
Tgt Ion:117 Resp: 278892

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 31.2 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: VY013975.D

Acq: 01 Jun 2023 19:36

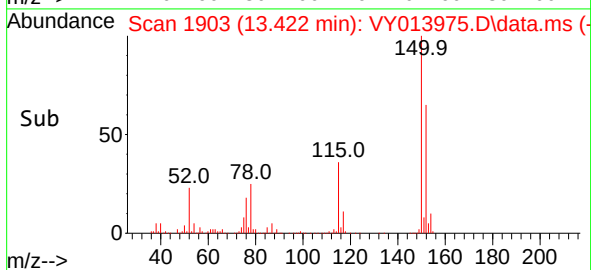
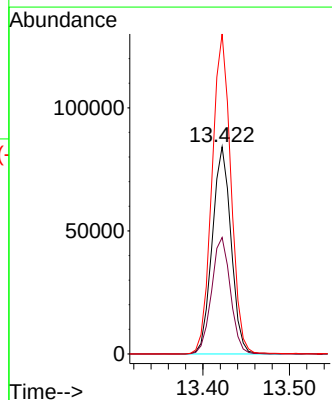
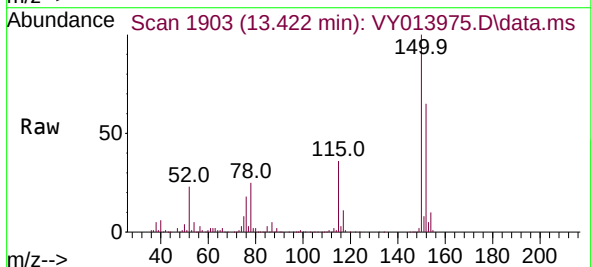
Tgt Ion:152 Resp: 126846

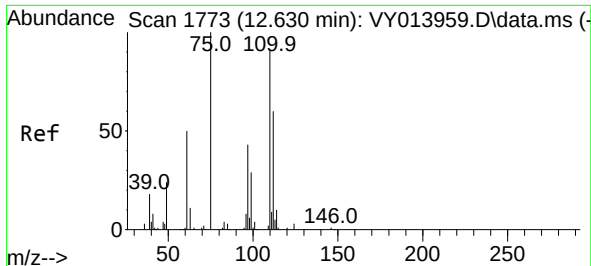
Ion Ratio Lower Upper

152 100

115 56.5 28.8 86.5

150 155.3 0.0 348.8

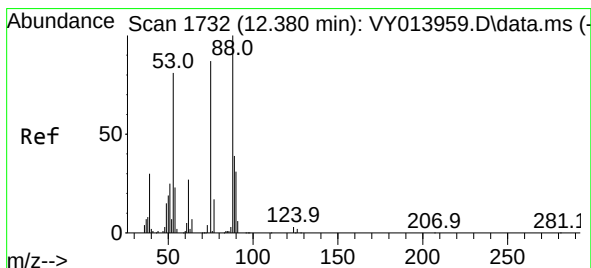
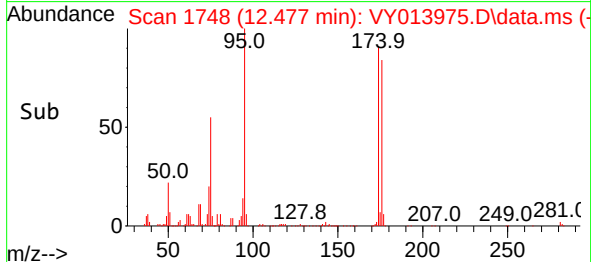
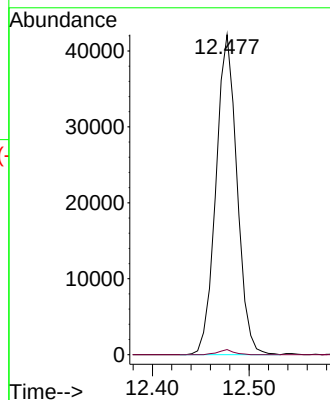
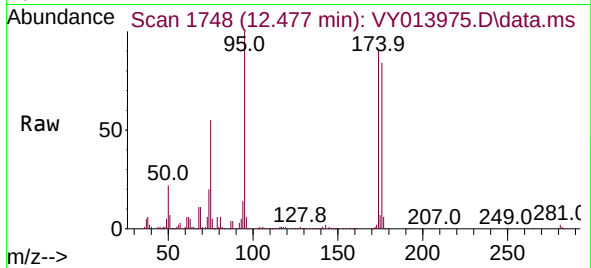




#76
1,2,3-Trichloropropane
Concen: 37.253 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

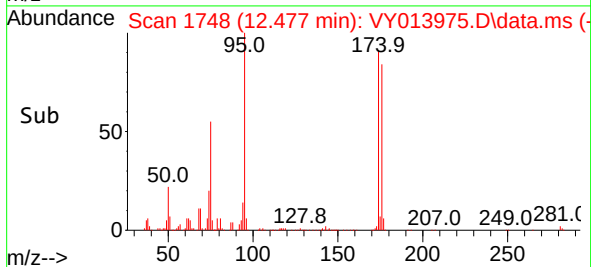
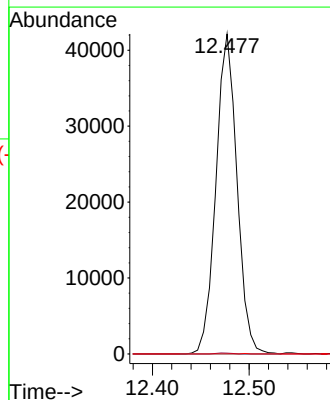
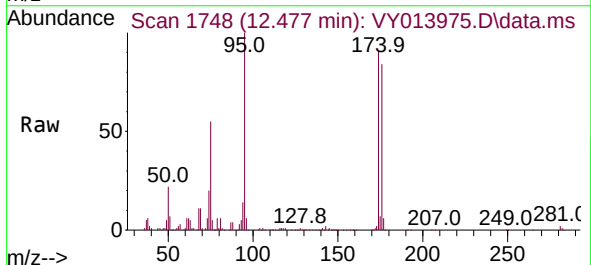
Instrument :
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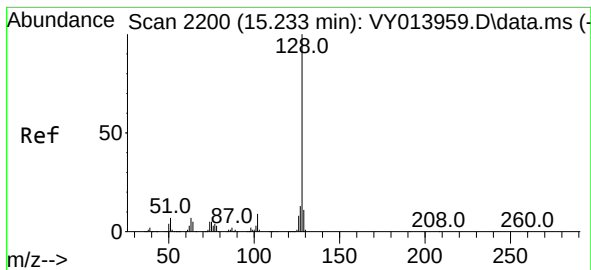
Tgt Ion: 75 Resp: 63590
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.033 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013975.D
Acq: 01 Jun 2023 19:36

Tgt Ion: 75 Resp: 63590
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 3.966 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY013975.D

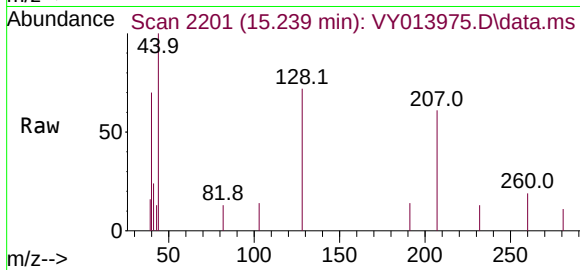
Acq: 01 Jun 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

PLYMOUTH-XRDS-001



Tgt Ion:128 Resp: 546

Ion Ratio Lower Upper

128 100

127 4.0 10.8 16.2#

129 0.0 8.6 13.0#

