

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013974.D
 Acq On : 01 Jun 2023 19:12
 Operator : KP/MD
 Sample : 02985-01RE
 Misc : 6.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PLYMOUTH-ENG-001

Quant Time: Jun 02 07:29:58 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)

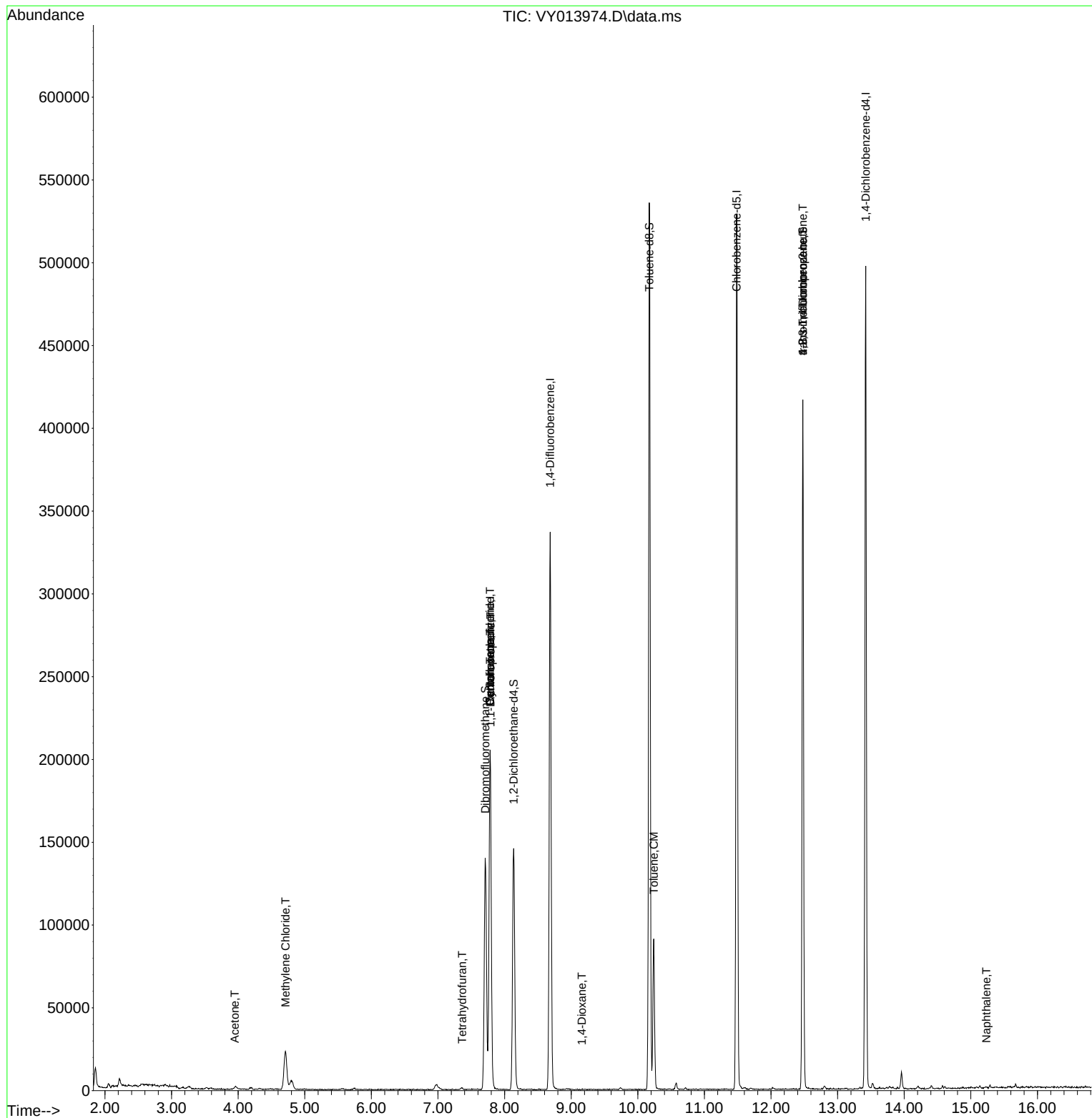
Internal Standards						
1) Pentafluorobenzene	7.783	168	158045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	274593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	279092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123069	58.824	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.640%	
35) Dibromofluoromethane	7.710	113	94623	54.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.440%	
50) Toluene-d8	10.173	98	347139	52.151	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.300%	
62) 4-Bromofluorobenzene	12.477	95	112063	49.382	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.760%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	3553	4.964	ug/l	93
20) Methylene Chloride	4.710	84	16737	5.054	ug/l	89
29) Tetrahydrofuran	7.362	42	880	1.587	ug/l #	76
31) Cyclohexane	7.783	56	3576	1.419	ug/l #	37
36) 1,1-Dichloropropene	7.789	75	12418	4.995	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15307	5.494	ug/l #	15
49) 1,4-Dioxane	9.161	88	19	1.031	ug/l #	36
52) Toluene	10.240	92	35483	7.552	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	61726	36.484	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61726	77.400	ug/l #	11
95) Naphthalene	15.233	128	849	4.014	ug/l #	88

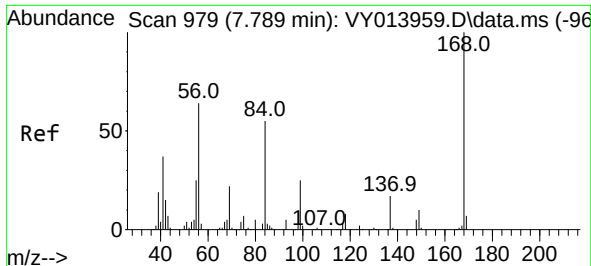
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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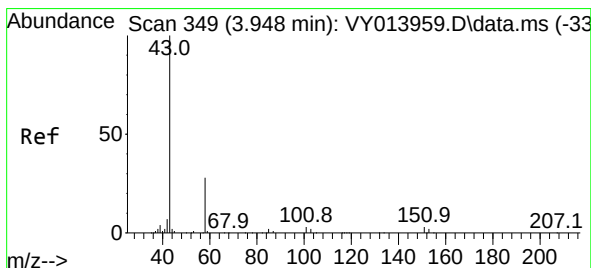
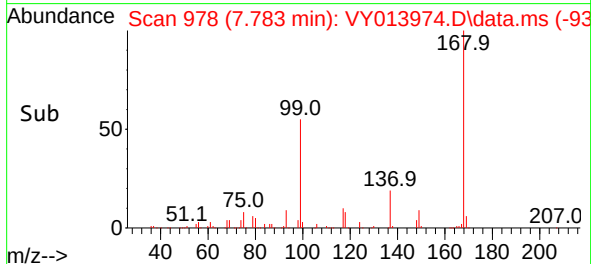
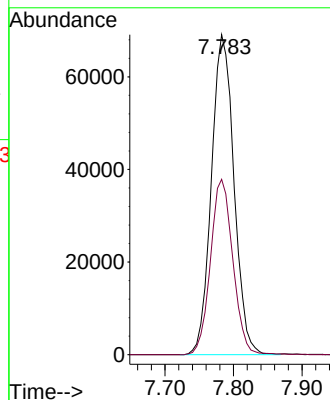
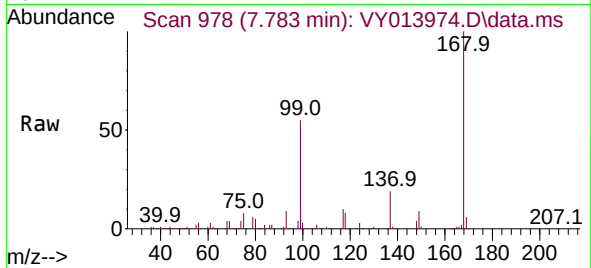




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

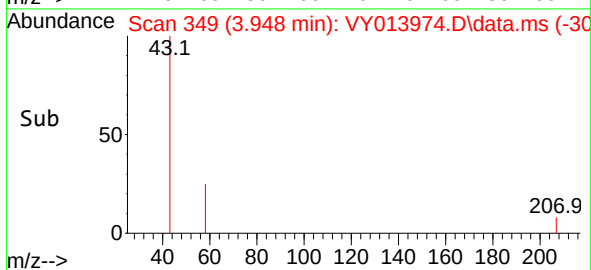
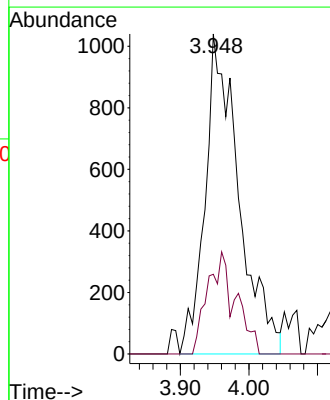
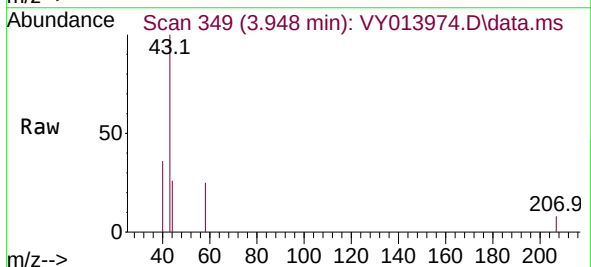
Instrument :
MSVOA_Y
ClientSampleId :
PLYMOUTH-ENG-001

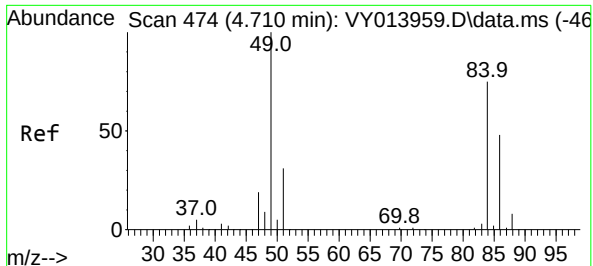
Tgt Ion:168 Resp: 158045
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#16
Acetone
Concen: 4.964 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

Tgt Ion: 43 Resp: 3553
Ion Ratio Lower Upper
43 100
58 24.9 22.7 34.1

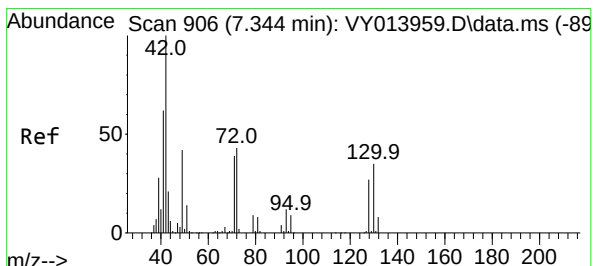
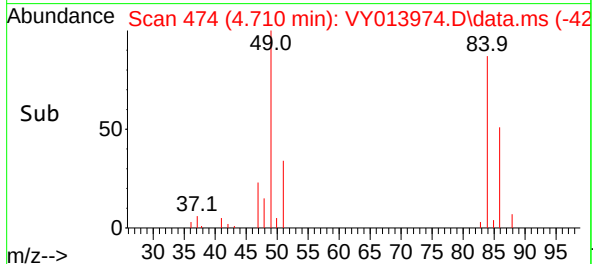
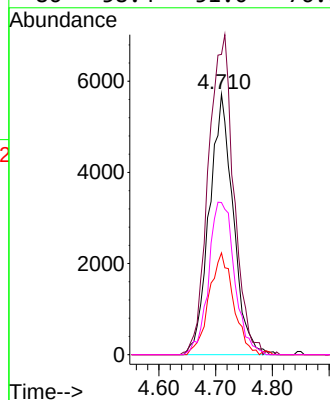
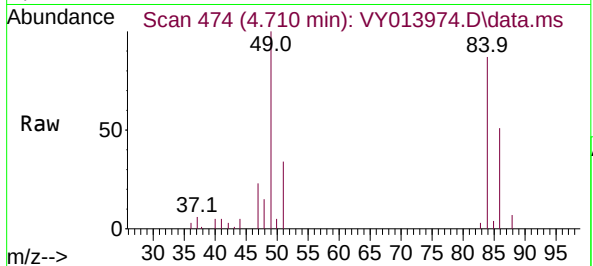




#20
Methylene Chloride
Concen: 5.054 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

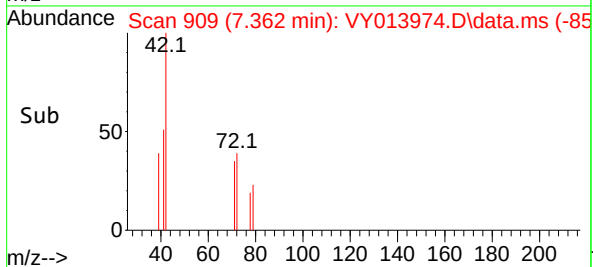
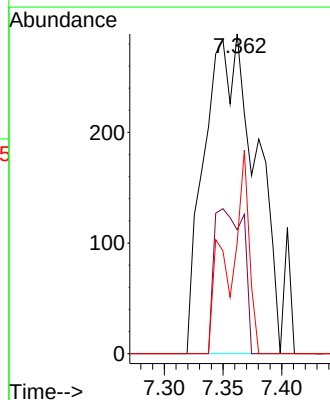
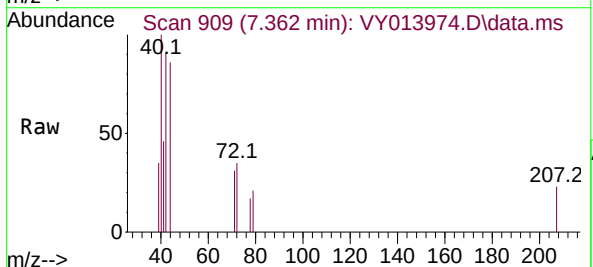
Instrument :
MSVOA_Y
ClientSampleId :
PLYMOUTH-ENG-001

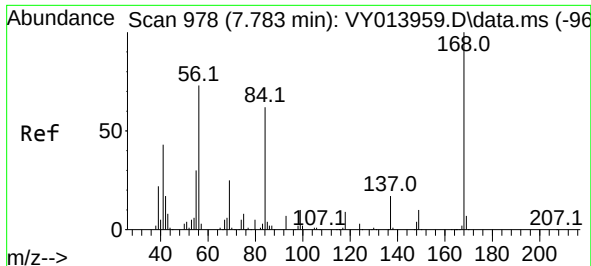
Tgt Ion:	84	Resp:	16737
Ion	Ratio	Lower	Upper
84	100		
49	115.3	106.9	160.3
51	39.1	33.2	49.8
86	58.4	51.0	76.6



#29
Tetrahydrofuran
Concen: 1.587 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.018 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

Tgt Ion:	42	Resp:	880
Ion	Ratio	Lower	Upper
42	100		
72	25.7	32.8	49.2#
71	24.7	31.0	46.4#

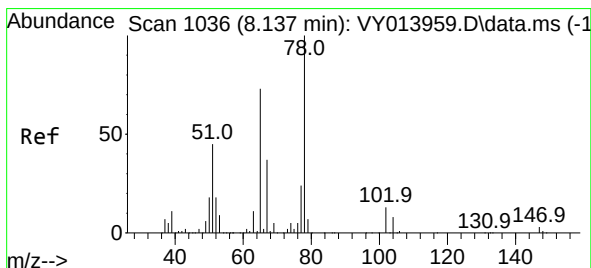
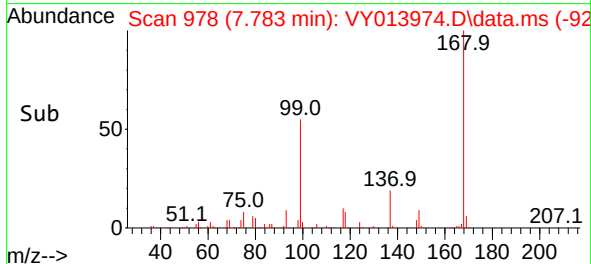
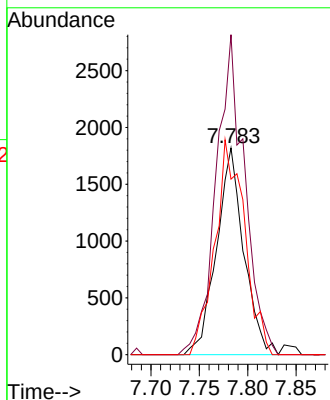
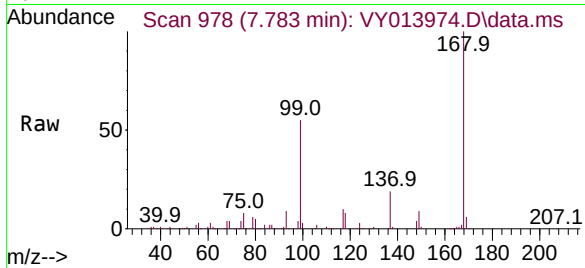




#31
Cyclohexane
Concen: 1.419 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

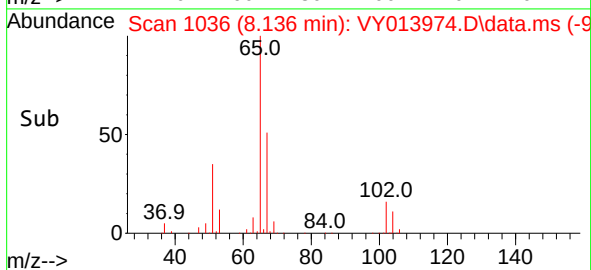
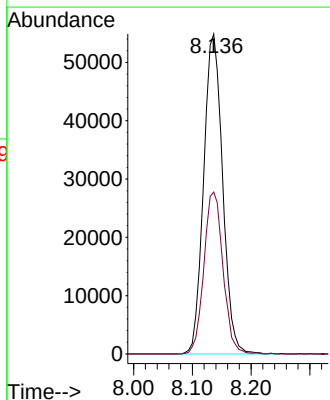
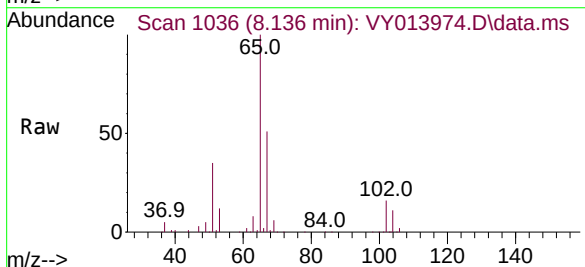
Instrument :
MSVOA_Y
ClientSampleId :
PLYMOUTH-ENG-001

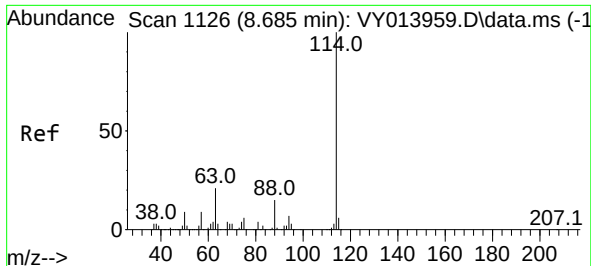
Tgt Ion: 56 Resp: 3576
Ion Ratio Lower Upper
56 100
69 154.8 27.8 41.6#
84 84.9 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 58.824 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

Tgt Ion: 65 Resp: 123069
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8

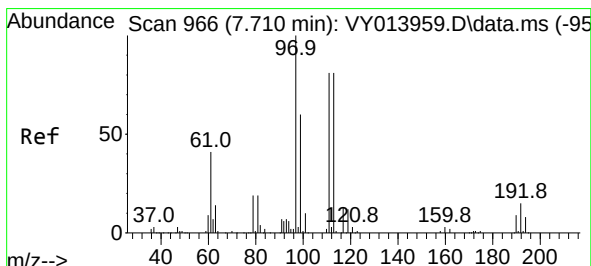
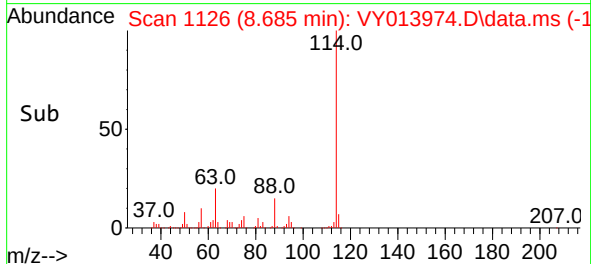
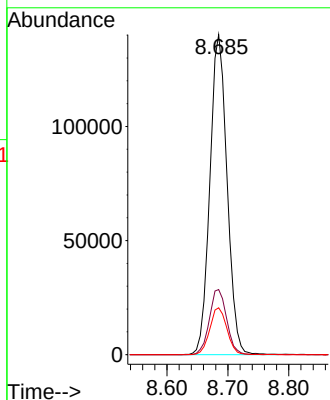
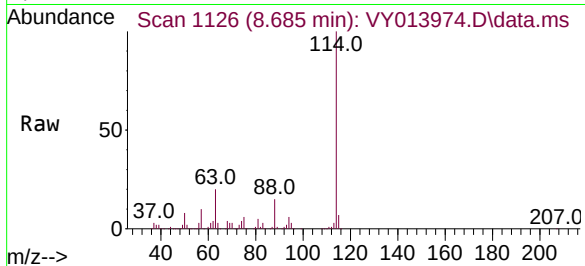




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY013974.D
 Acq: 01 Jun 2023 19:12

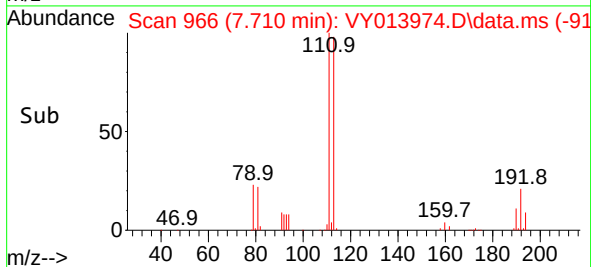
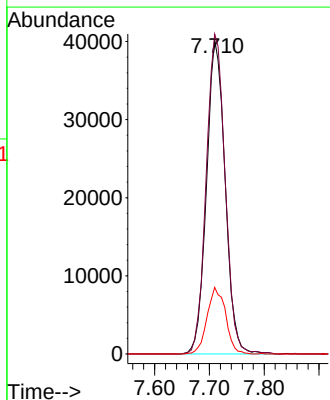
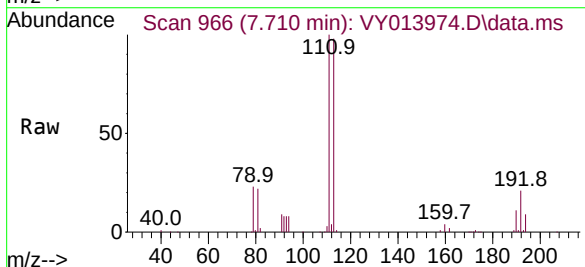
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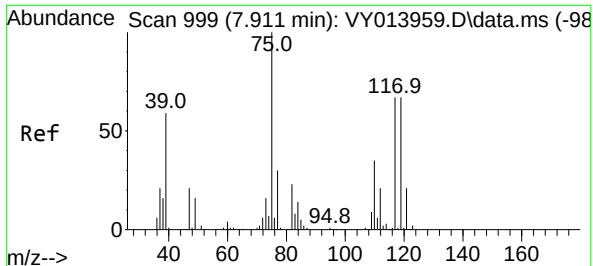
Tgt Ion:	114	Resp:	274593
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.4
88	14.6	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 54.223 ug/l
 RT: 7.710 min Scan# 966
 Delta R.T. -0.000 min
 Lab File: VY013974.D
 Acq: 01 Jun 2023 19:12

Tgt Ion:	113	Resp:	94623
Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.3	121.9
192	21.1	16.9	25.3

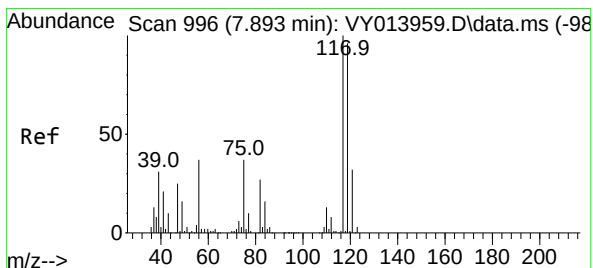
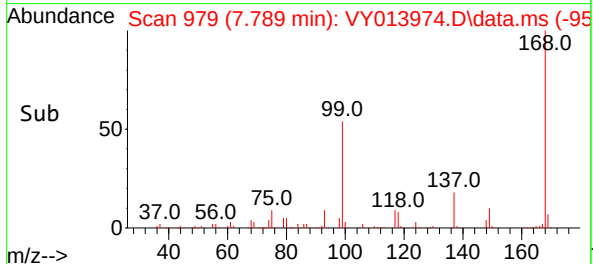
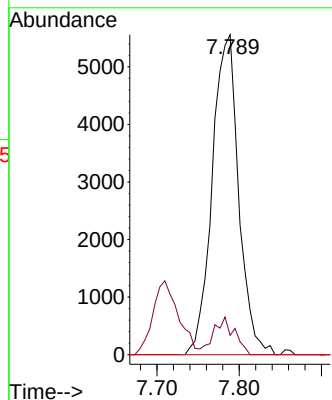
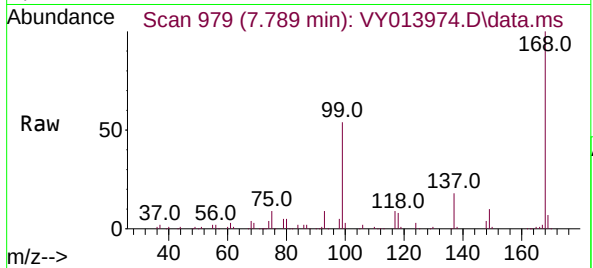




#36
1,1-Dichloropropene
Concen: 4.995 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

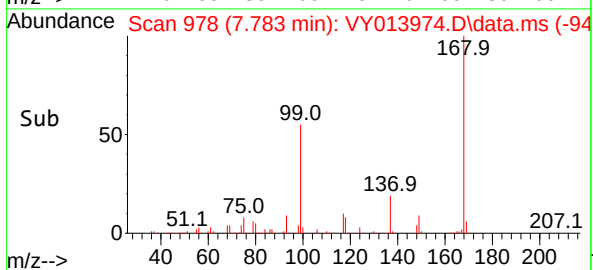
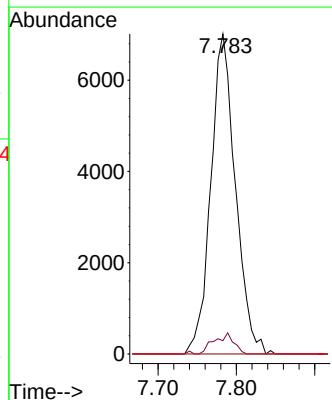
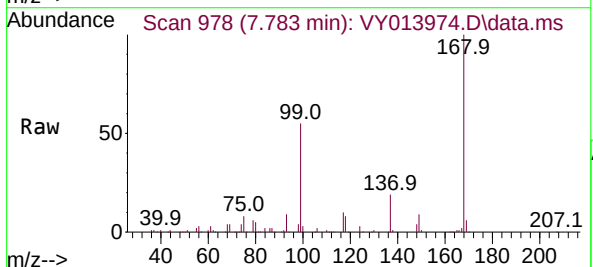
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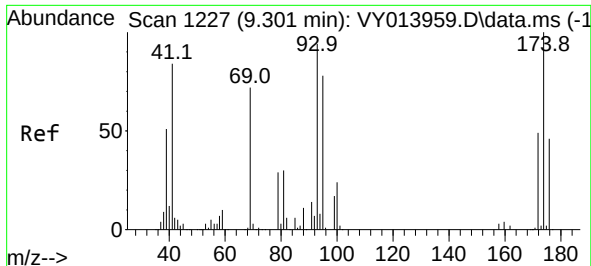
Tgt Ion: 75 Resp: 12418
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.494 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

Tgt Ion: 117 Resp: 15307
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: 1.031 ug/l

RT: 9.161 min Scan# 11

Delta R.T. -0.140 min

Lab File: VY013974.D

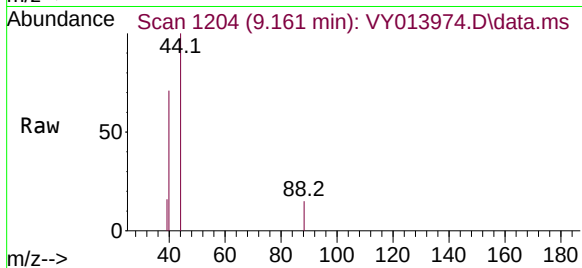
Acq: 01 Jun 2023 19:12

Instrument :

MSVOA_Y

ClientSampleId :

PLYMOUTH-ENG-001



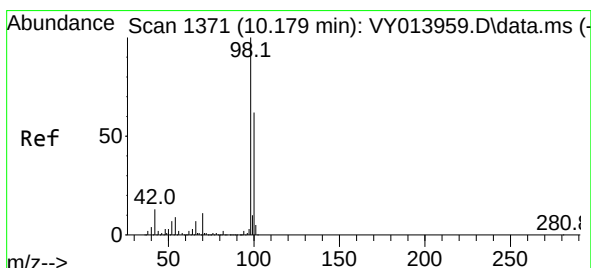
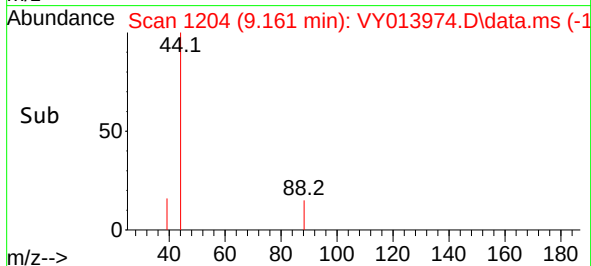
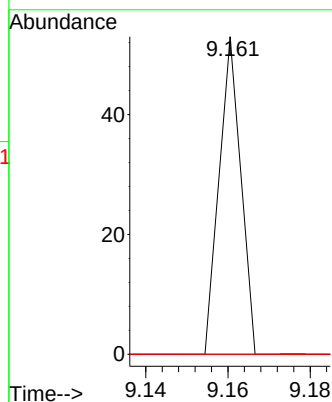
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 52.151 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY013974.D

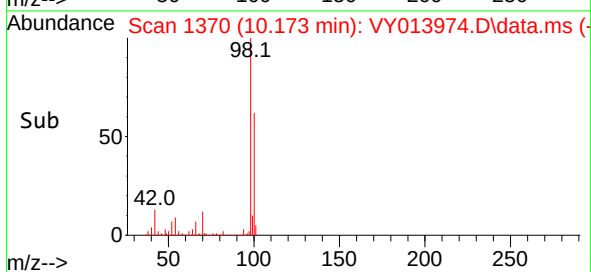
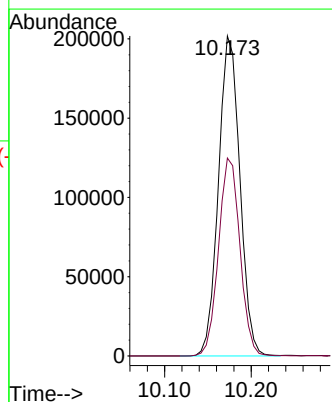
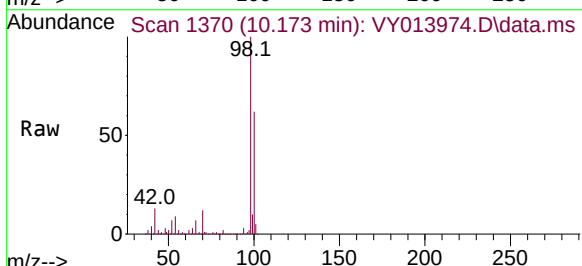
Acq: 01 Jun 2023 19:12

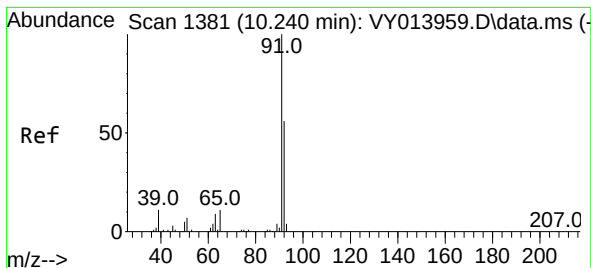
Tgt Ion: 98 Resp: 347139

Ion Ratio Lower Upper

98 100

100 61.8 50.1 75.1





#52

Toluene

Concen: 7.552 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY013974.D

Acq: 01 Jun 2023 19:12

Instrument :

MSVOA_Y

ClientSampleId :

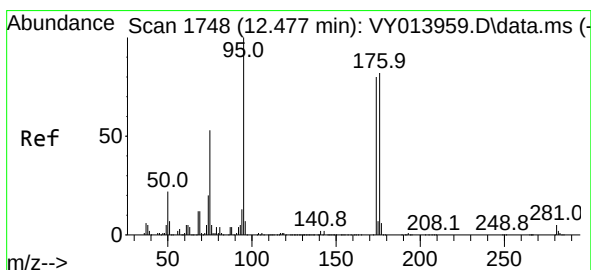
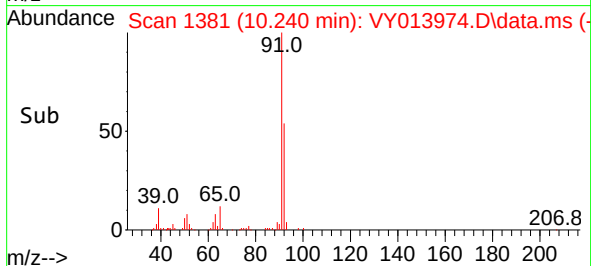
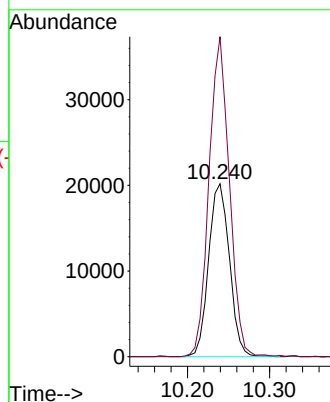
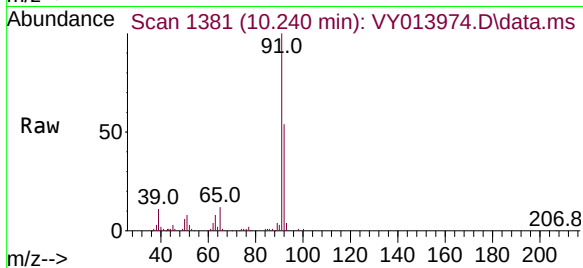
PLYMOUTH-ENG-001

Tgt Ion: 92 Resp: 35483

Ion Ratio Lower Upper

92 100

91 181.5 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 49.382 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY013974.D

Acq: 01 Jun 2023 19:12

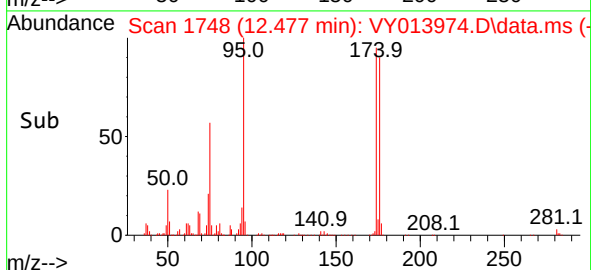
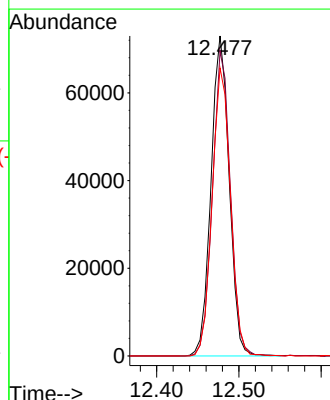
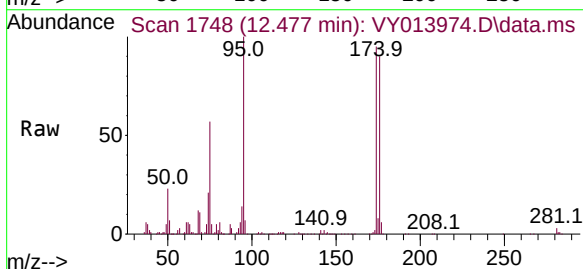
Tgt Ion: 95 Resp: 112063

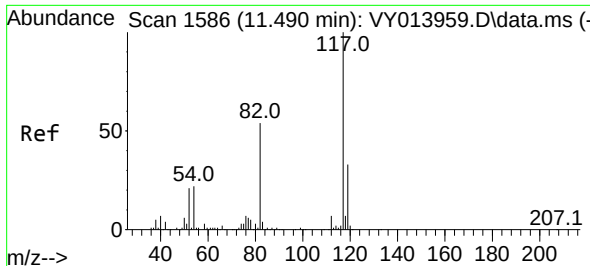
Ion Ratio Lower Upper

95 100

174 93.9 0.0 178.2

176 90.8 0.0 173.8

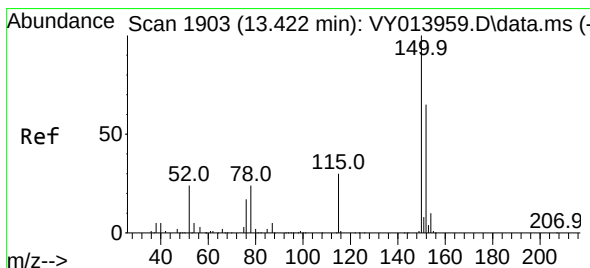
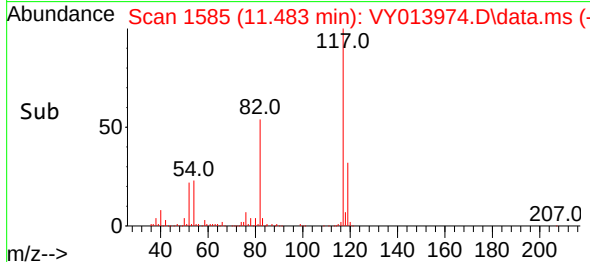
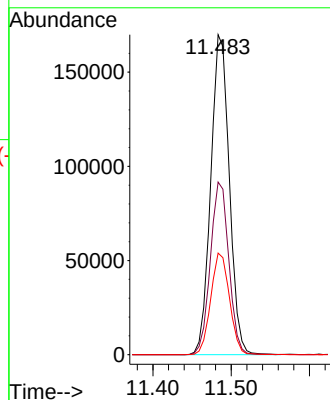
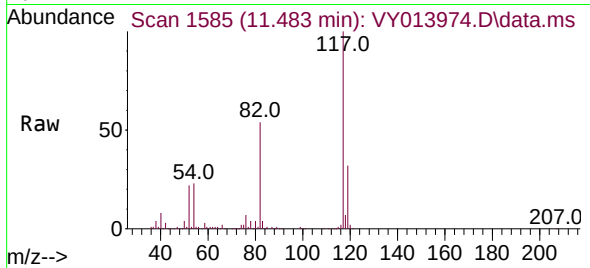




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

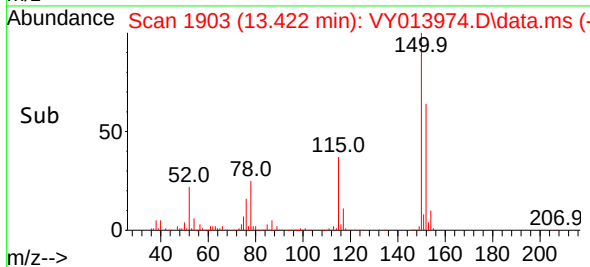
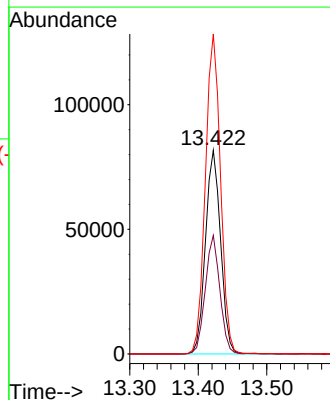
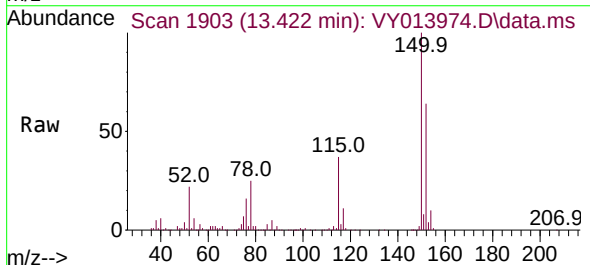
Instrument :
MSVOA_Y
ClientSampleId :
PLYMOUTH-ENG-001

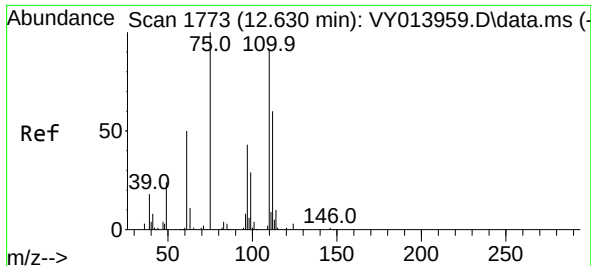
Tgt Ion:117 Resp: 279092
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

Tgt Ion:152 Resp: 125726
Ion Ratio Lower Upper
152 100
115 56.3 28.8 86.5
150 157.0 0.0 348.8

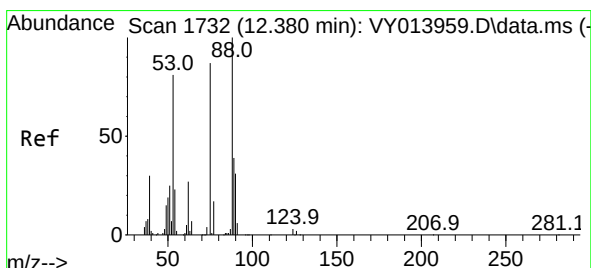
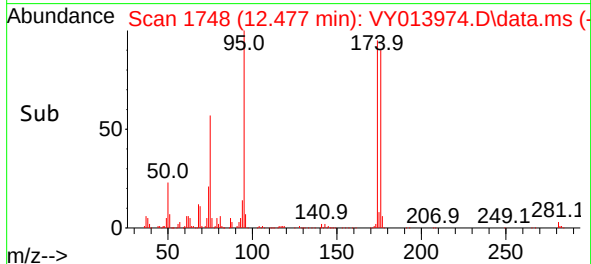
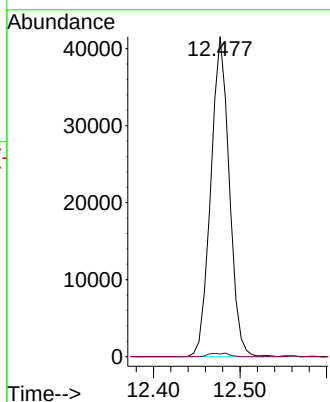
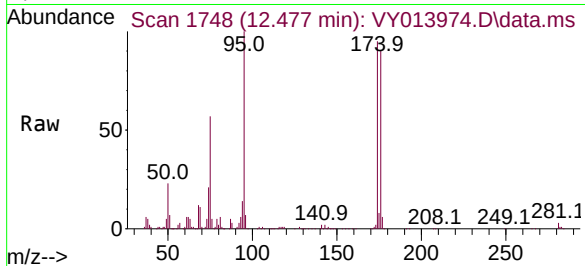




#76
1,2,3-Trichloropropane
Concen: 36.484 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

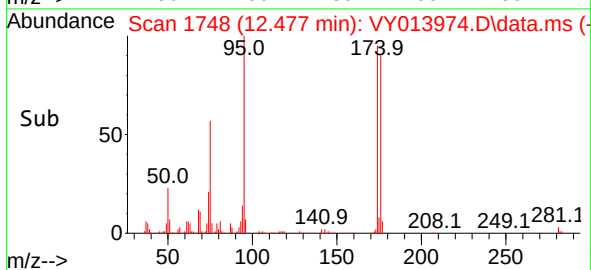
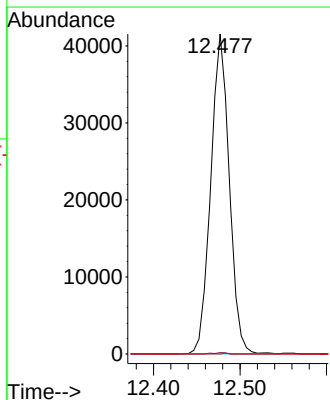
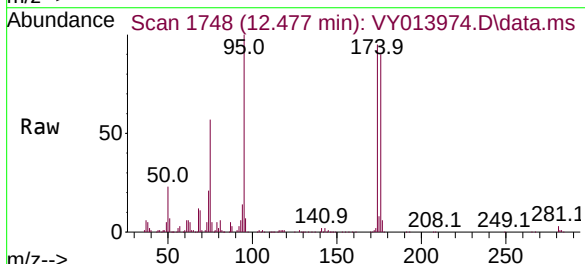
Instrument :
MSVOA_Y
ClientSampleId :
PLYMOUTH-ENG-001

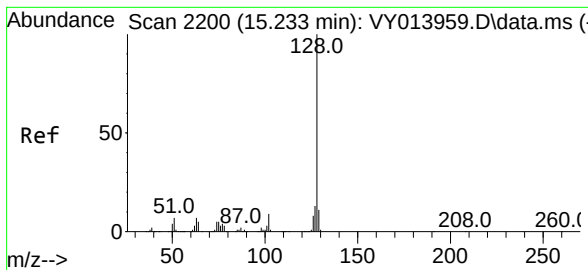
Tgt Ion: 75 Resp: 61726
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.400 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY013974.D
Acq: 01 Jun 2023 19:12

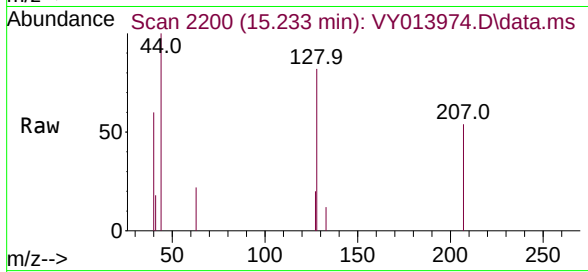
Tgt Ion: 75 Resp: 61726
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#





#95
 Naphthalene
 Concen: 4.014 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY013974.D
 Acq: 01 Jun 2023 19:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 PLYMOUTH-ENG-001



Tgt Ion:	128	Resp:	849
Ion	Ratio	Lower	Upper
128	100		
127	7.8	10.8	16.2#
129	7.3	8.6	13.0#

