

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080122\
 Data File : VY009797.D
 Acq On : 01 Aug 2022 15:28
 Operator : KP/MD
 Sample : N3935-14
 Misc : 3.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-144

Quant Time: Aug 02 01:39:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

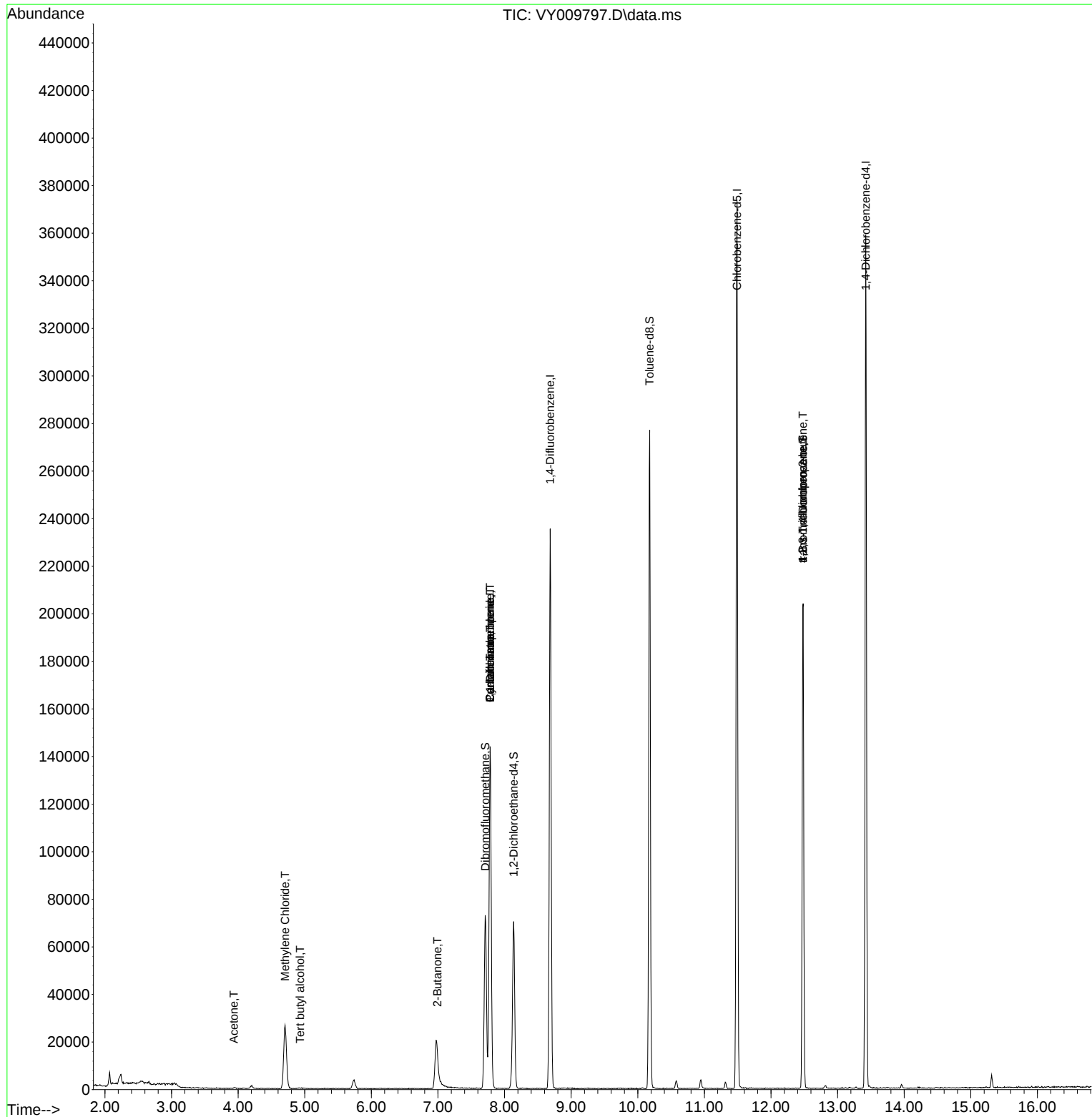
Internal Standards						
1) Pentafluorobenzene	7.783	168	120205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	202043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	206364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	51501	66.023	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 132.040%		
35) Dibromofluoromethane	7.710	113	50996	46.408	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 92.820%		
50) Toluene-d8	10.179	98	183043	57.863	ug/l	0.00
Spiked Amount	50.000	Range 78 - 125	Recovery	= 115.720%		
62) 4-Bromofluorobenzene	12.477	95	58634	40.241	ug/l	0.00
Spiked Amount	50.000	Range 50 - 146	Recovery	= 80.480%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	343	2.093	ug/l #	77
16) Acetone	3.936	43	400	1.392	ug/l #	80
18) Methyl Acetate	4.460	43	147	Below Cal	#	56
20) Methylene Chloride	4.704	84	20277	6.218	ug/l #	82
25) 2-Butanone	6.990	43	1167	2.752	ug/l #	54
31) Cyclohexane	7.783	56	2083	1.089	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8288	4.635	ug/l #	51
38) Carbon Tetrachloride	7.783	117	10411	5.434	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	29807	33.919	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	29807	67.611	ug/l #	7

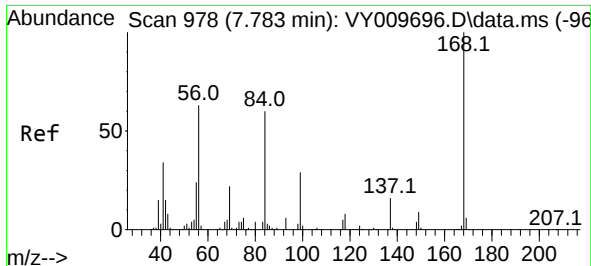
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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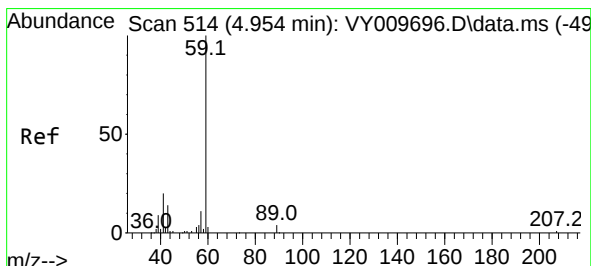
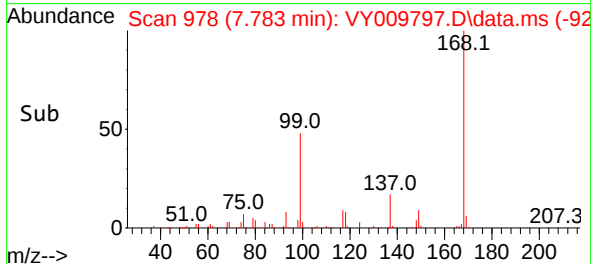
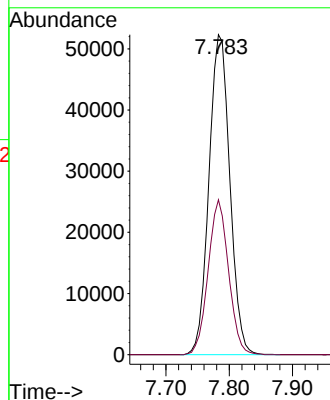
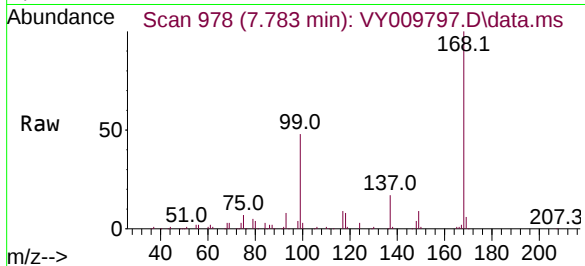




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

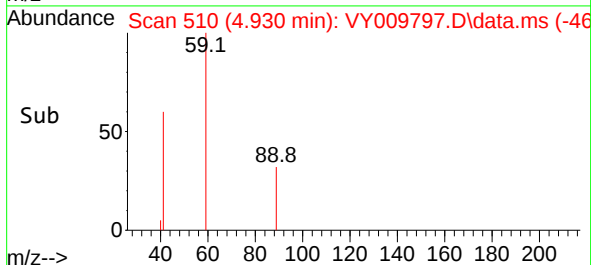
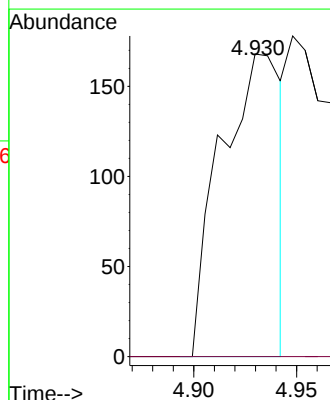
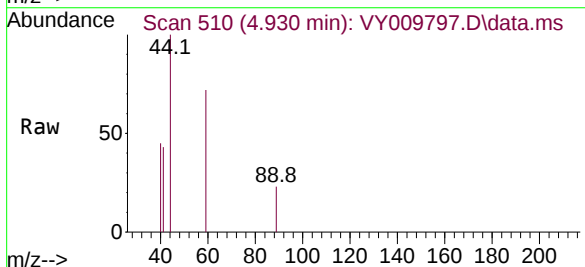
Instrument :
MSVOA_Y
ClientSampleId :
RVE-144

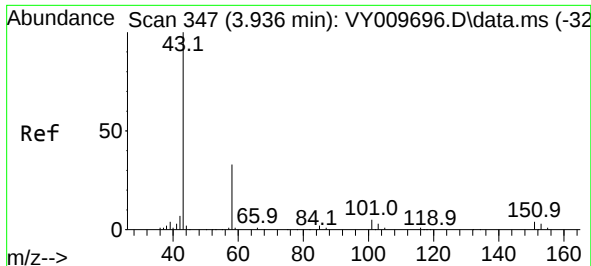
Tgt Ion:168 Resp: 120205
Ion Ratio Lower Upper
168 100
99 48.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.093 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

Tgt Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

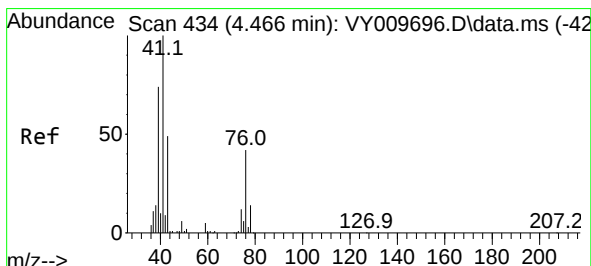
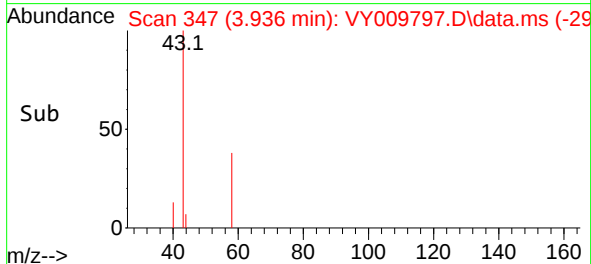
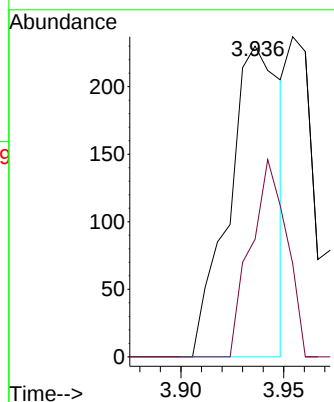
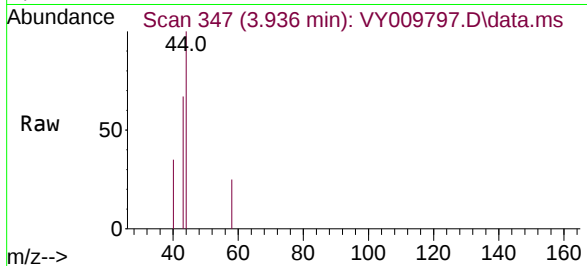




#16
Acetone
Concen: 1.392 ug/l
RT: 3.936 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

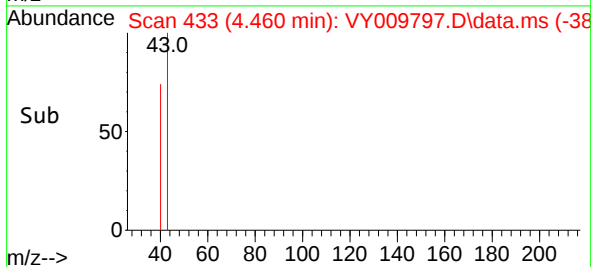
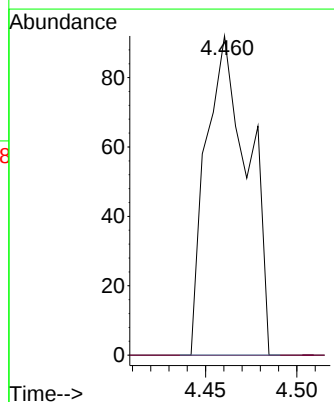
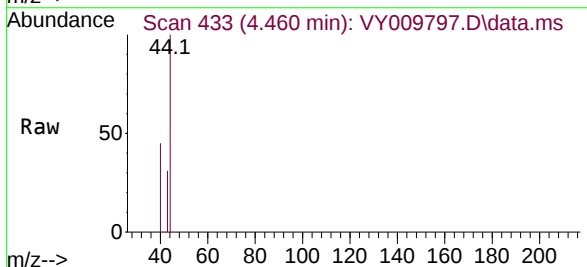
Instrument :
MSVOA_Y
ClientSampleId :
RVE-144

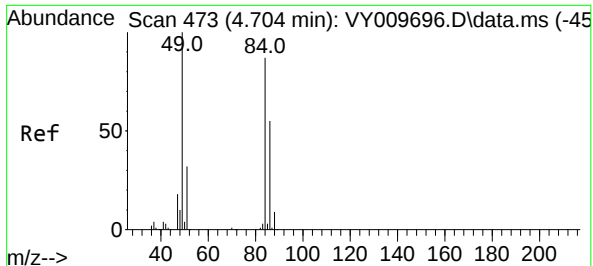
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 37.8 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.006 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

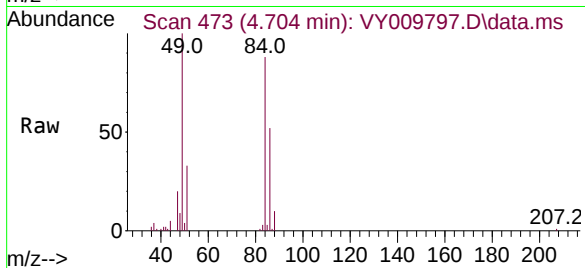
Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



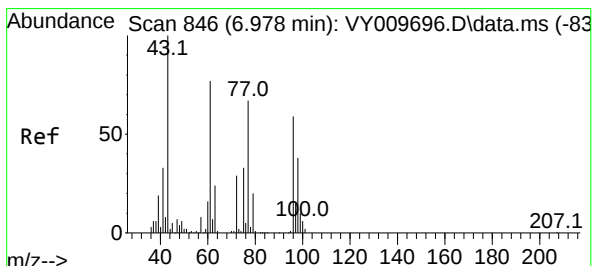
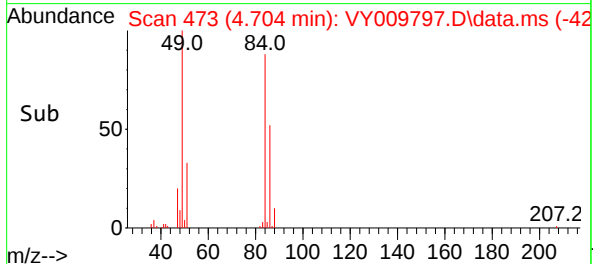
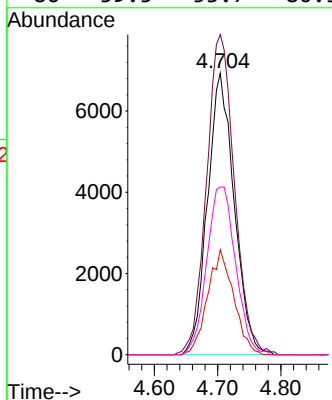


#20
Methylene Chloride
Concen: 6.218 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

Instrument :
MSVOA_Y
ClientSampleId :
RVE-144

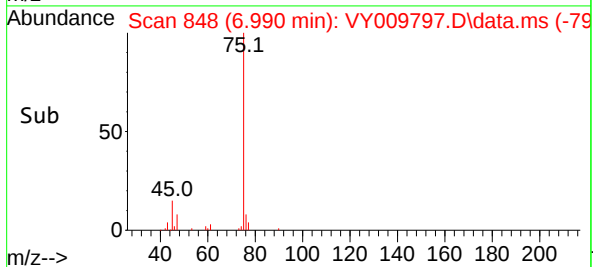
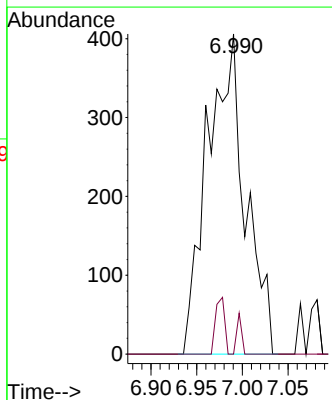
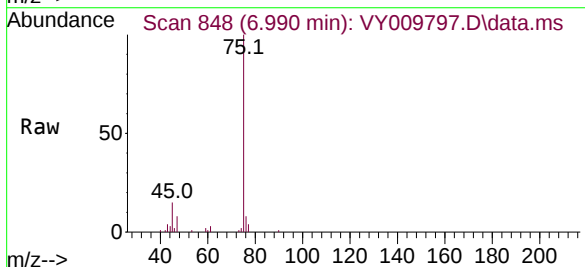


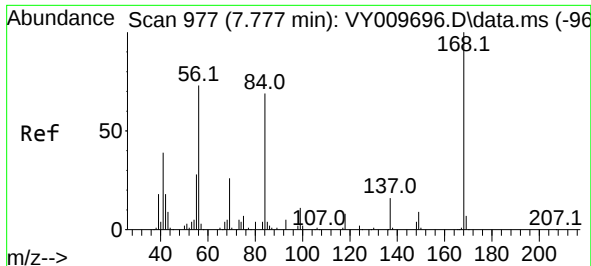
Tgt Ion:	84	Resp:	20277
Ion	Ratio	Lower	Upper
84	100		
49	113.7	114.4	171.6#
51	37.3	35.3	52.9
86	59.5	53.7	80.5



#25
2-Butanone
Concen: 2.752 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

Tgt Ion:	43	Resp:	1167
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

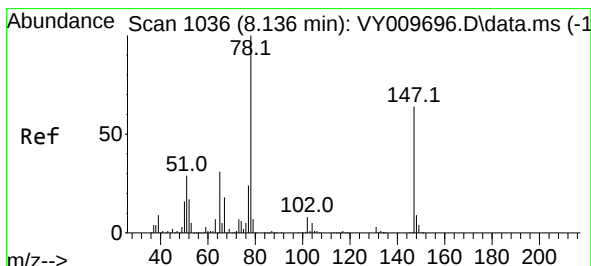
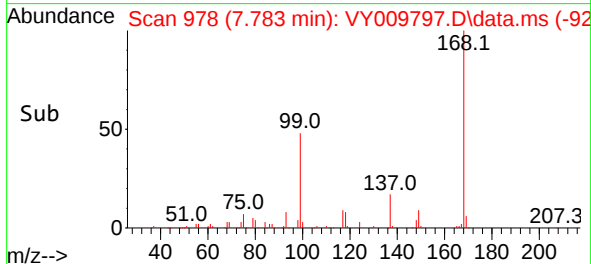
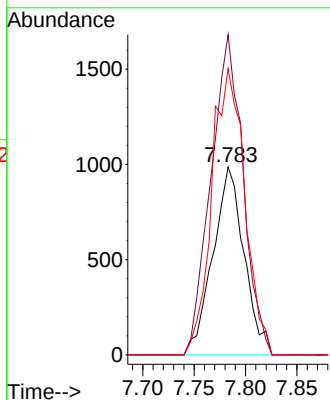
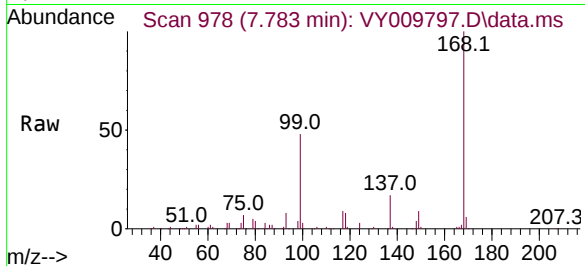




#31
Cyclohexane
Concen: 1.089 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

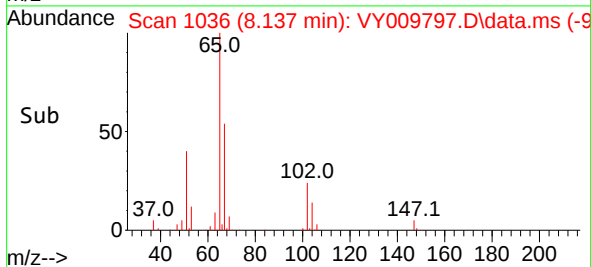
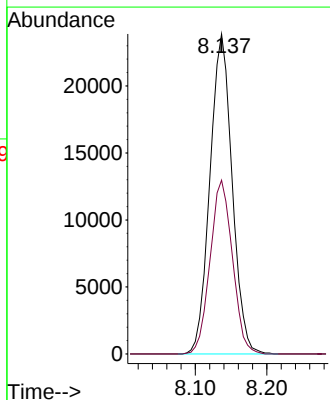
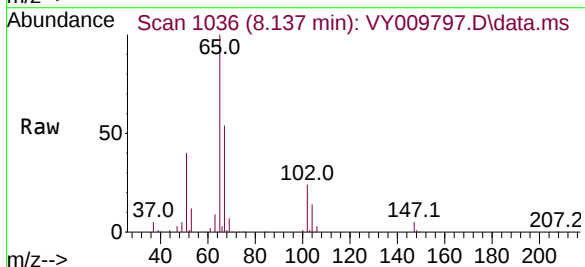
Instrument :
MSVOA_Y
ClientSampleId :
RVE-144

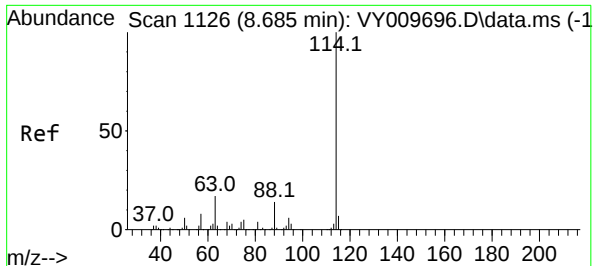
Tgt Ion: 56 Resp: 2083
Ion Ratio Lower Upper
56 100
69 170.4 26.7 40.1#
84 152.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 66.023 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

Tgt Ion: 65 Resp: 51501
Ion Ratio Lower Upper
65 100
67 54.5 0.0 99.4

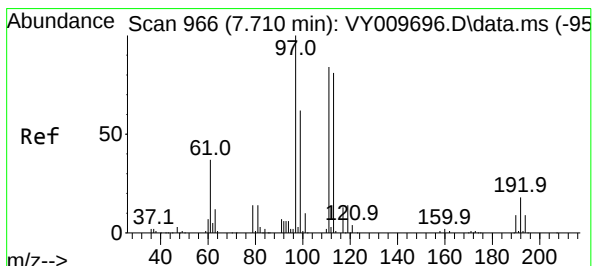
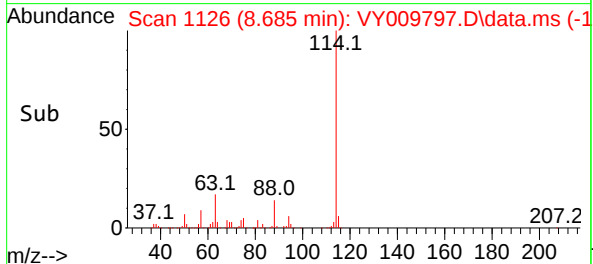
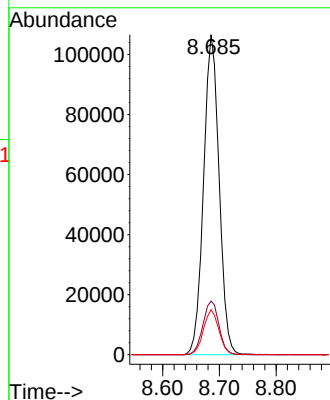
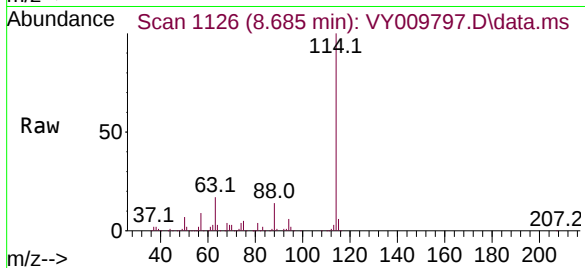




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

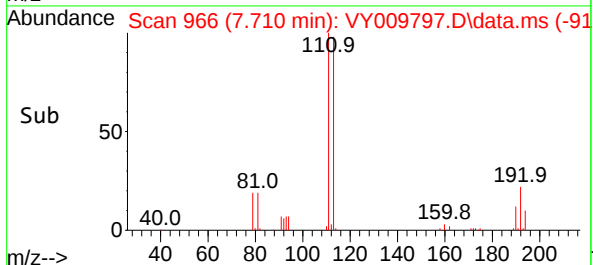
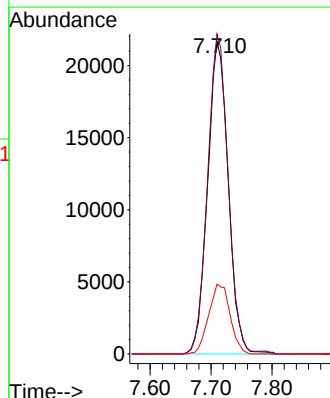
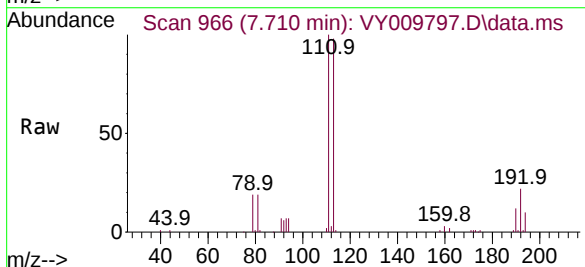
Instrument :
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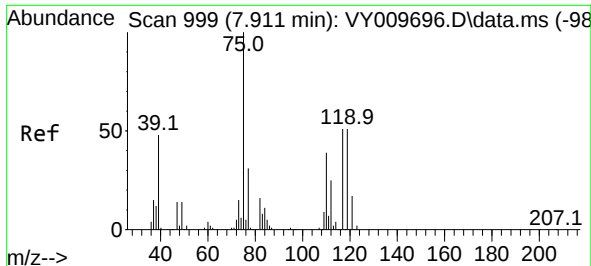
Tgt Ion:114 Resp: 202043
Ion Ratio Lower Upper
114 100
63 16.7 0.0 43.2
88 14.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.408 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

Tgt Ion:113 Resp: 50996
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 23.1 17.6 26.4

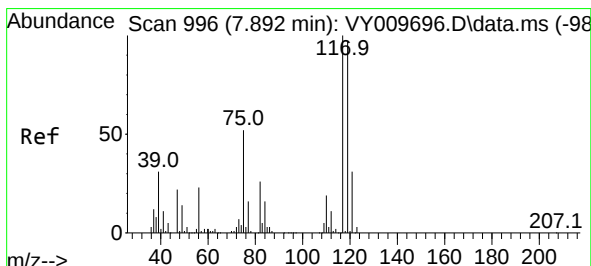
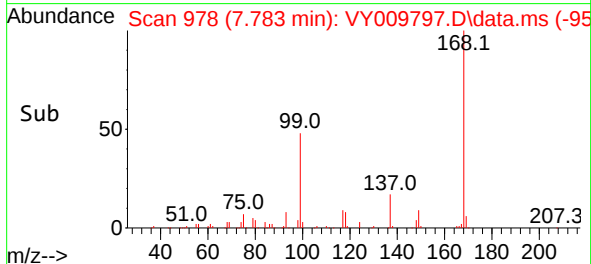
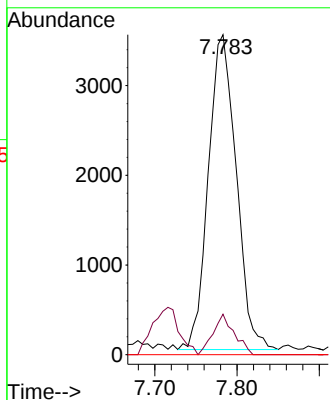
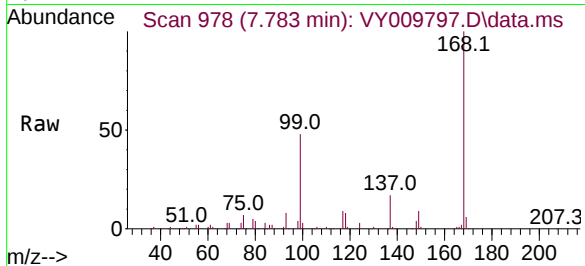




#36
1,1-Dichloropropene
Concen: 4.635 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

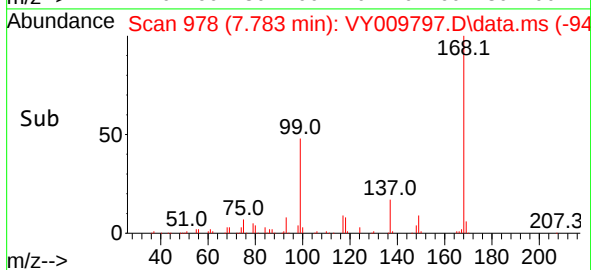
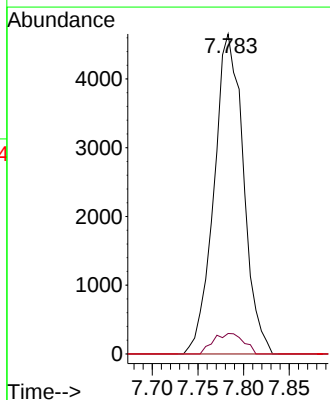
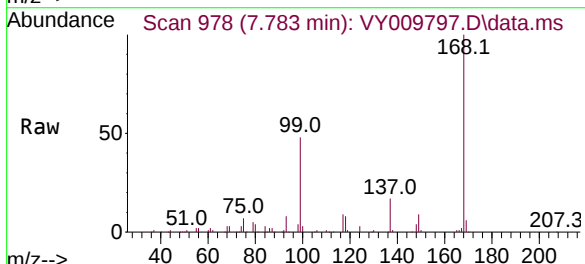
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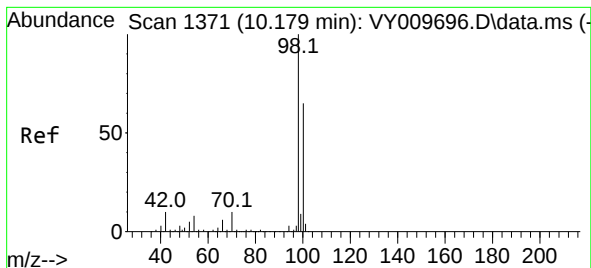
Tgt Ion: 75 Resp: 8288
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.434 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

Tgt Ion: 117 Resp: 10411
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 57.863 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY009797.D

Acq: 01 Aug 2022 15:28

Instrument :

MSVOA_Y

ClientSampleId :

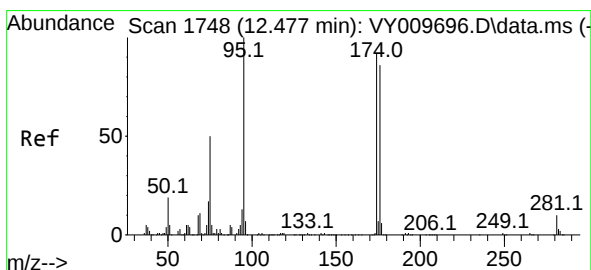
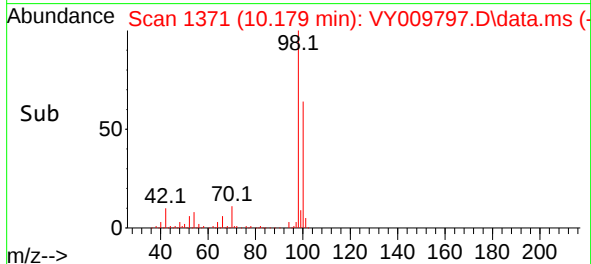
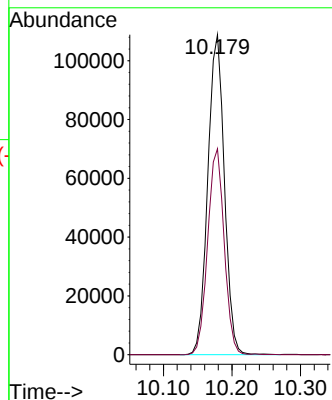
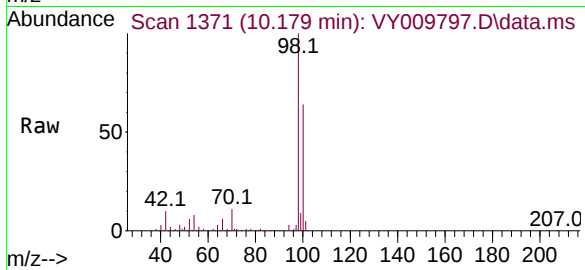
RVE-144

Tgt Ion: 98 Resp: 183043

Ion Ratio Lower Upper

98 100

100 64.1 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 40.241 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY009797.D

Acq: 01 Aug 2022 15:28

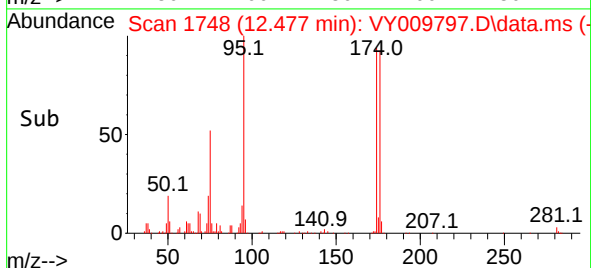
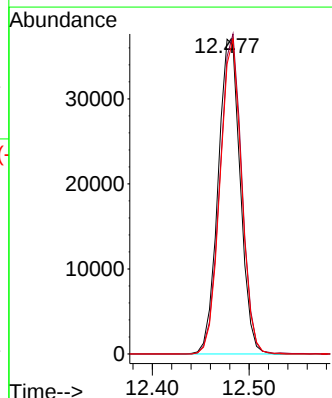
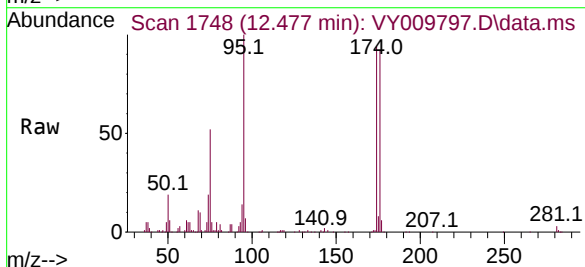
Tgt Ion: 95 Resp: 58634

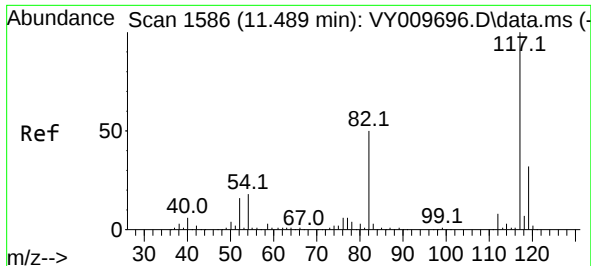
Ion Ratio Lower Upper

95 100

174 100.4 0.0 177.0

176 97.0 0.0 175.8

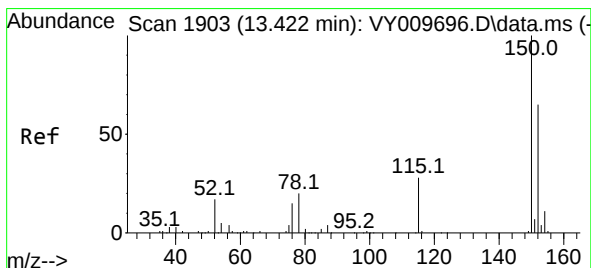
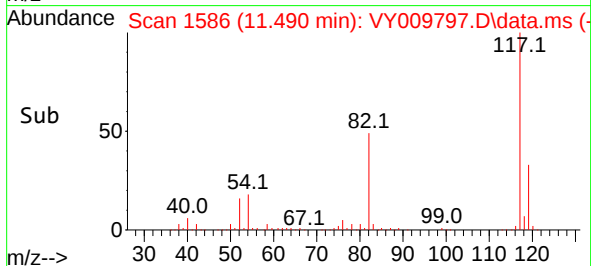
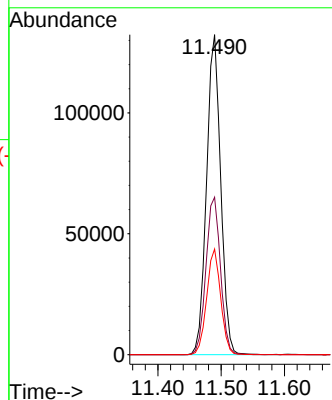
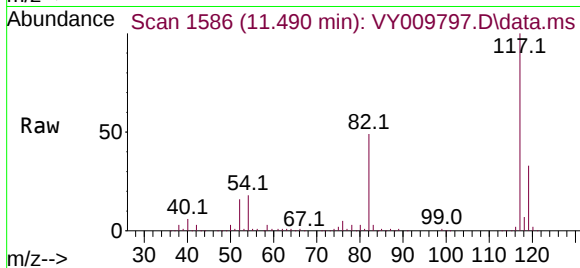




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

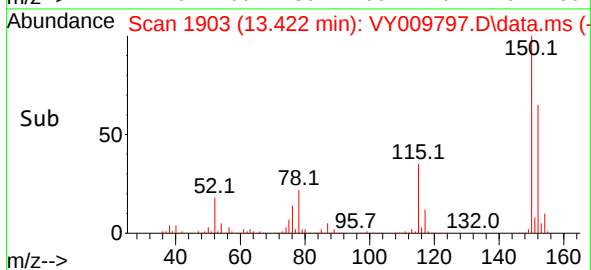
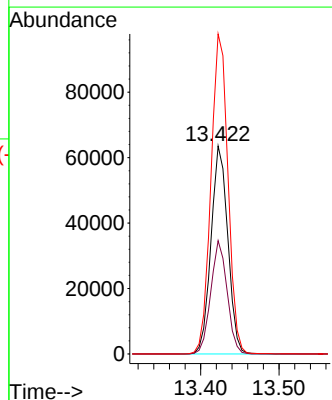
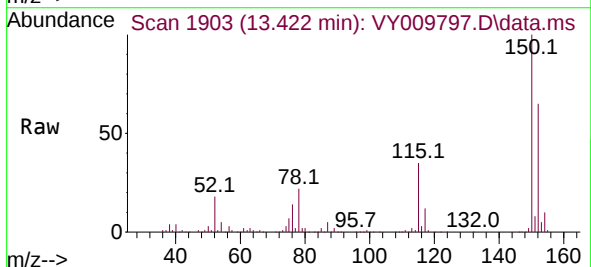
Instrument :
MSVOA_Y
ClientSampleId :
RVE-144

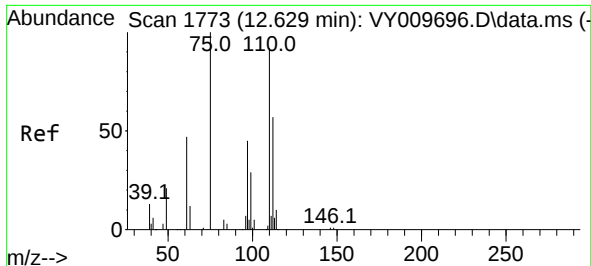
Tgt Ion:117 Resp: 206364
Ion Ratio Lower Upper
117 100
82 49.2 43.0 64.4
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

Tgt Ion:152 Resp: 94607
Ion Ratio Lower Upper
152 100
115 52.9 28.2 84.7
150 155.6 0.0 347.6

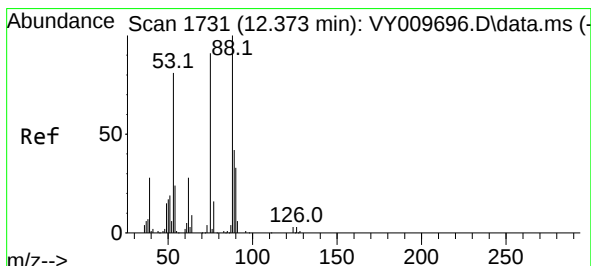
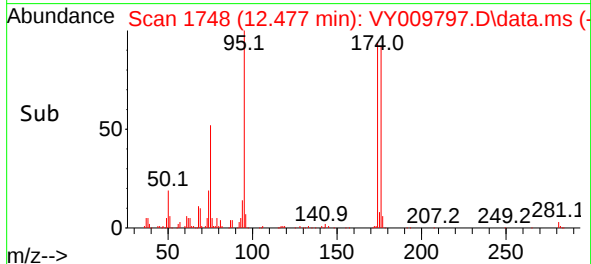
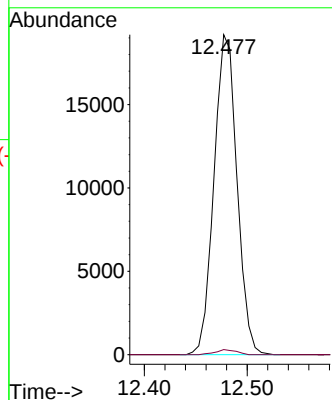
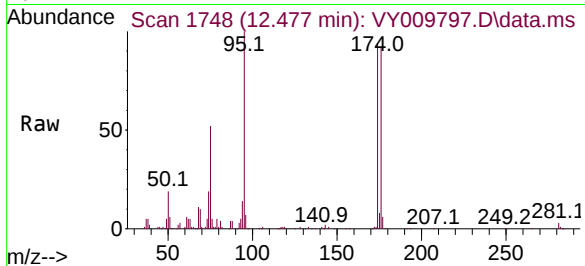




#76
1,2,3-Trichloropropane
Concen: 33.919 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

Instrument :
MSVOA_Y
ClientSampleId :
RVE-144

Tgt Ion: 75 Resp: 29807
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.611 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009797.D
Acq: 01 Aug 2022 15:28

Tgt Ion: 75 Resp: 29807
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

