

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080122\
 Data File : VY009807.D
 Acq On : 01 Aug 2022 19:22
 Operator : KP/MD
 Sample : N3960-08
 Misc : 2.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-156

Quant Time: Aug 02 01:42:35 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)

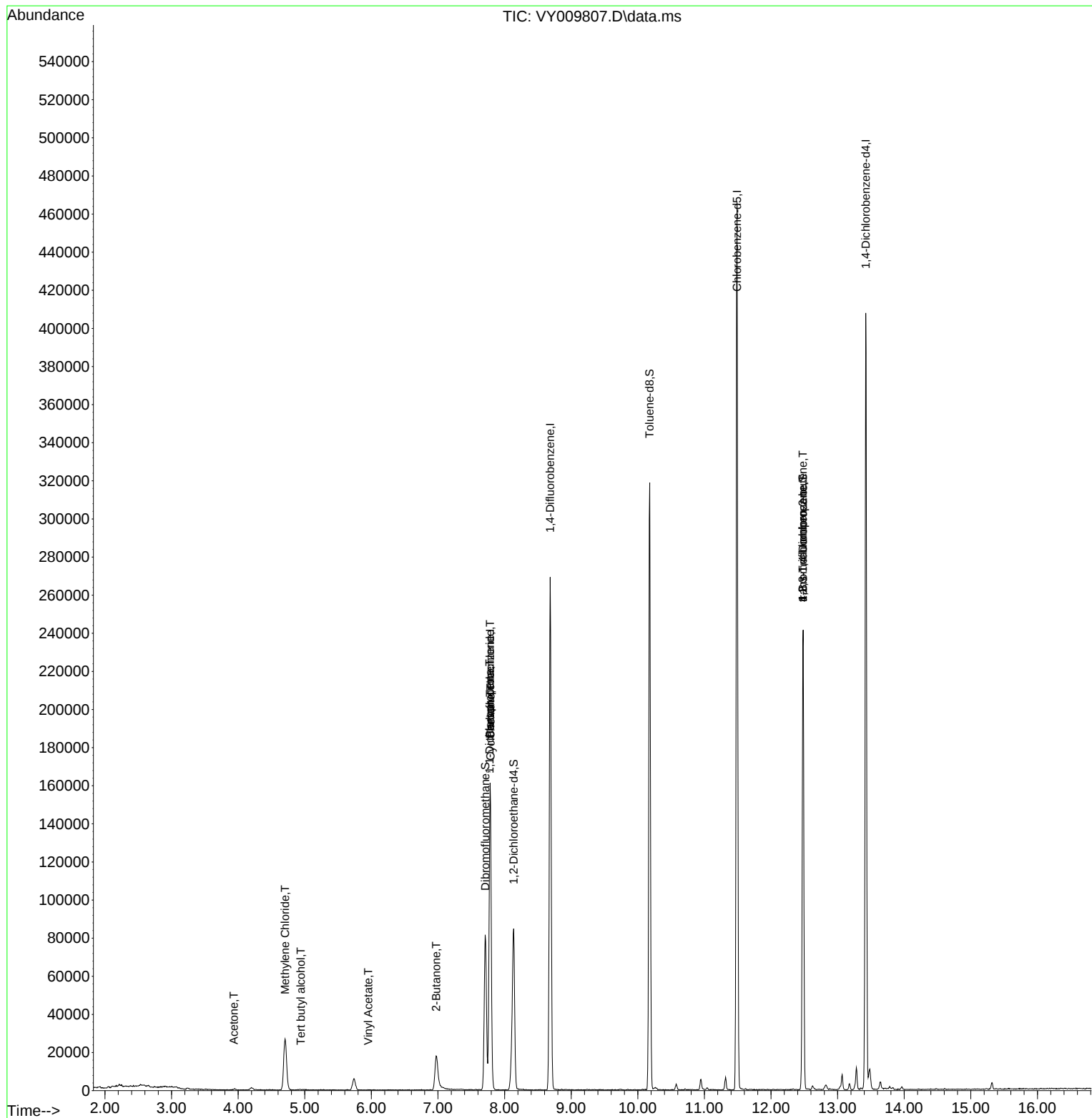
Internal Standards						
1) Pentafluorobenzene	7.783	168	132259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	231775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	258655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	57955	67.657	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.320%			
35) Dibromofluoromethane	7.710	113	57874	45.911	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.820%			
50) Toluene-d8	10.179	98	209303	57.662	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 115.320%			
62) 4-Bromofluorobenzene	12.477	95	69139	41.364	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 82.720%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	422	2.437	ug/l #	77
16) Acetone	3.936	43	789	2.495	ug/l #	82
18) Methyl Acetate	4.466	43	142	Below Cal	#	56
20) Methylene Chloride	4.704	84	20666	4.874	ug/l	86
23) Vinyl Acetate	5.954	43	41	7.489	ug/l #	75
25) 2-Butanone	6.972	43	1060	2.272	ug/l #	54
31) Cyclohexane	7.789	56	2441	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	9461	4.613	ug/l #	50
38) Carbon Tetrachloride	7.783	117	12085	5.498	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	34655	33.992	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	34655	67.756	ug/l #	7

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

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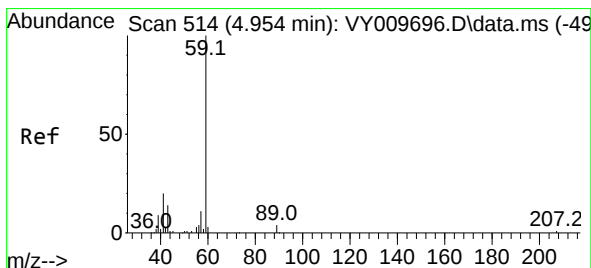
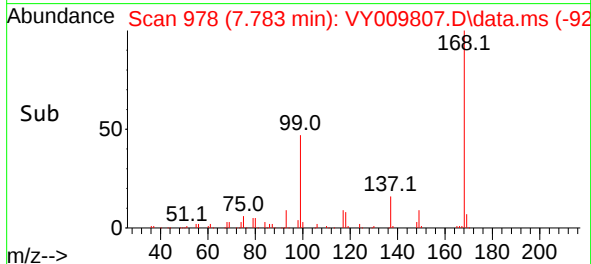
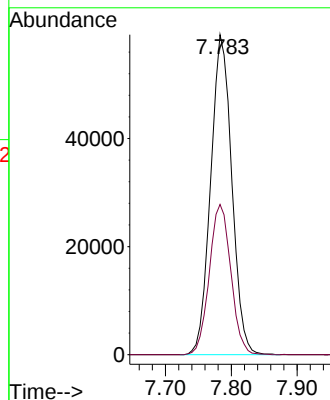
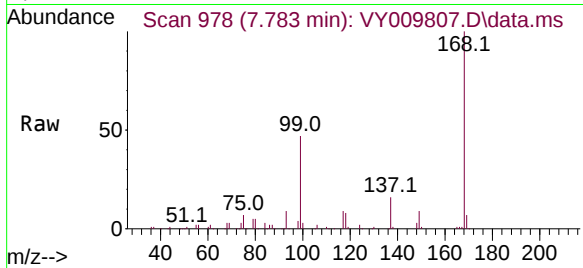




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

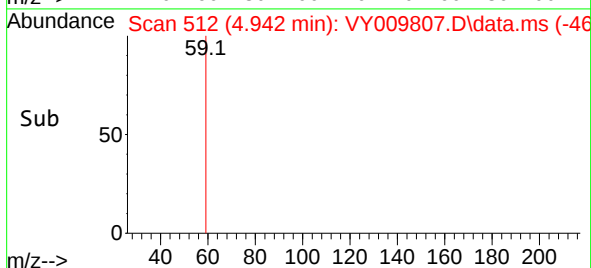
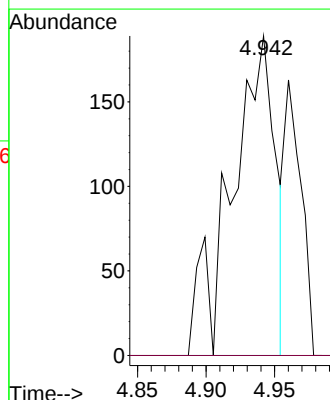
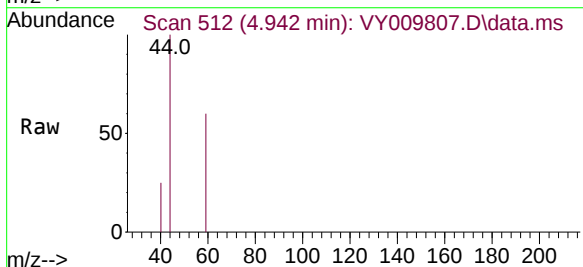
Instrument :
MSVOA_Y
ClientSampleId :
RVE-156

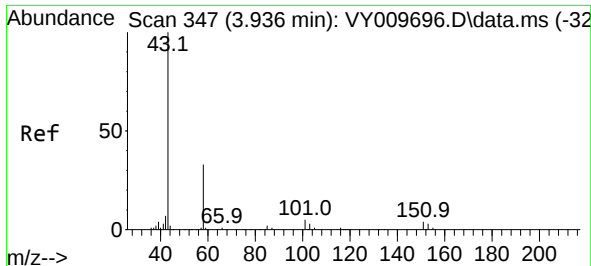
Tgt Ion:168 Resp: 132259
Ion Ratio Lower Upper
168 100
99 46.9 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.437 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

Tgt Ion: 59 Resp: 422
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 2.495 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY009807.D

Acq: 01 Aug 2022 19:22

Instrument :

MSVOA_Y

ClientSampleId :

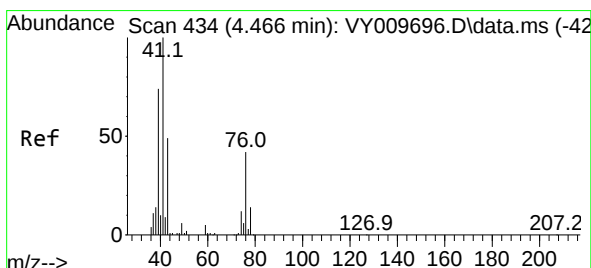
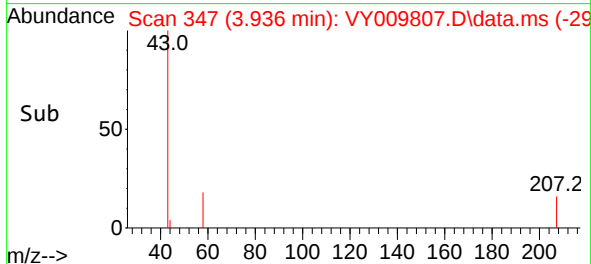
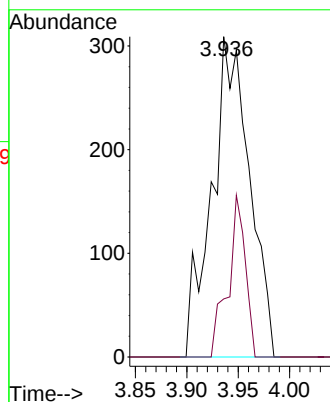
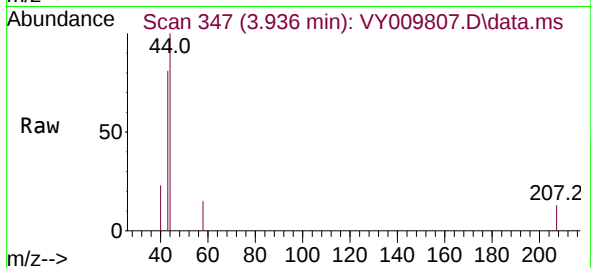
RVE-156

Tgt Ion: 43 Resp: 789

Ion Ratio Lower Upper

43 100

58 18.1 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 434

Delta R.T. 0.000 min

Lab File: VY009807.D

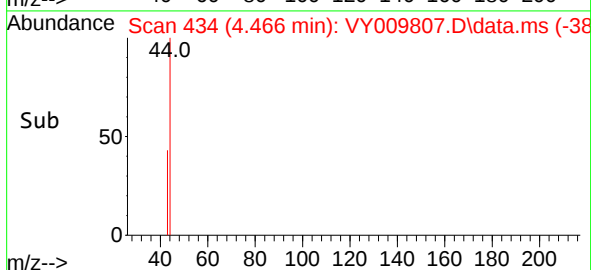
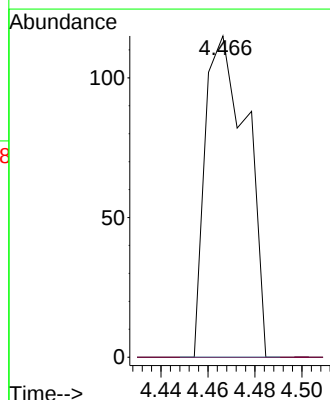
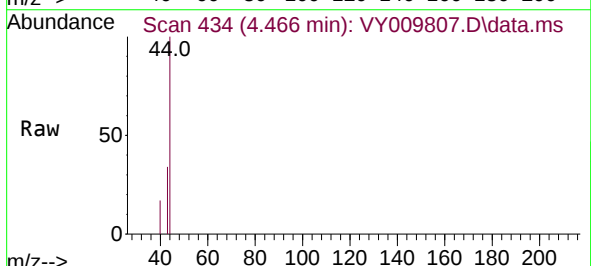
Acq: 01 Aug 2022 19:22

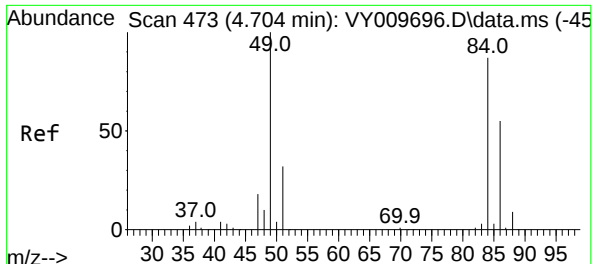
Tgt Ion: 43 Resp: 142

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

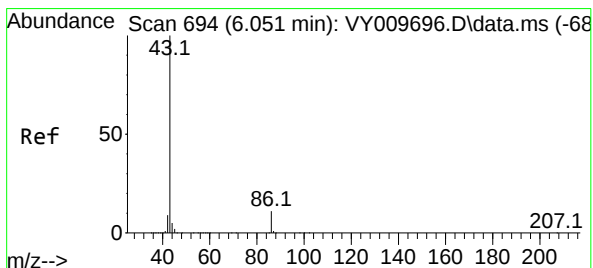
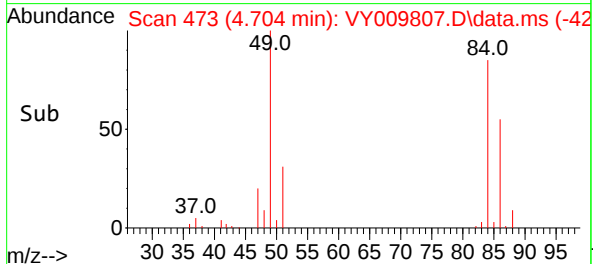
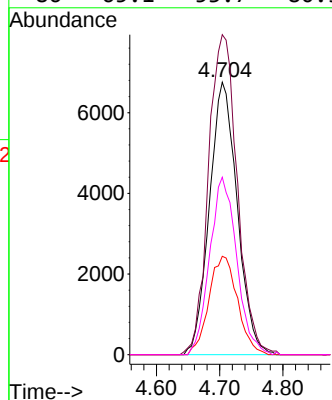
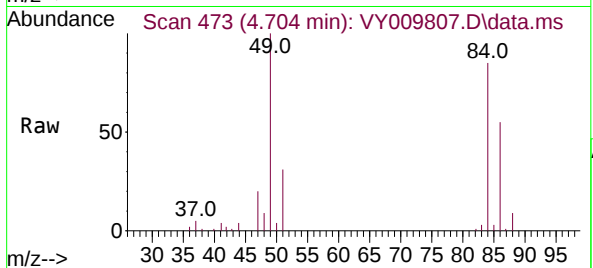




#20
Methylene Chloride
Concen: 4.874 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

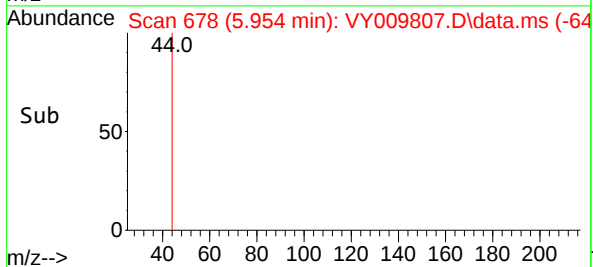
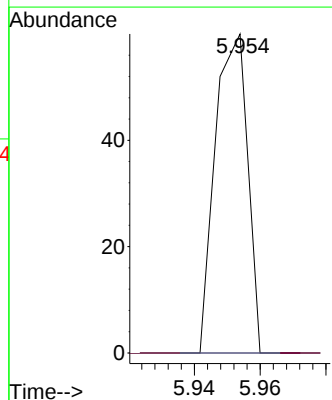
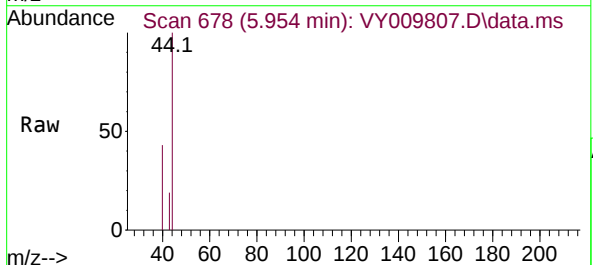
Instrument :
MSVOA_Y
ClientSampleId :
RVE-156

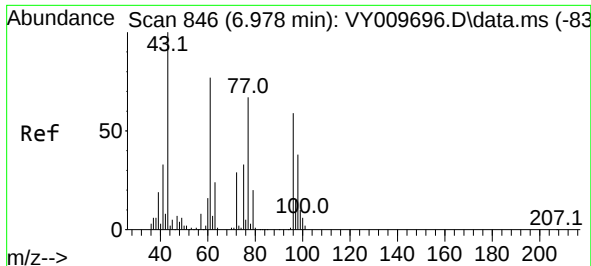
Tgt Ion: 84	Resp: 20666		
Ion	Ratio	Lower	Upper
84	100		
49	117.5	114.4	171.6
51	36.1	35.3	52.9
86	65.1	53.7	80.5



#23
Vinyl Acetate
Concen: 7.489 ug/l
RT: 5.954 min Scan# 678
Delta R.T. -0.097 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

Tgt Ion: 43	Resp: 41		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	7.1	10.7#	

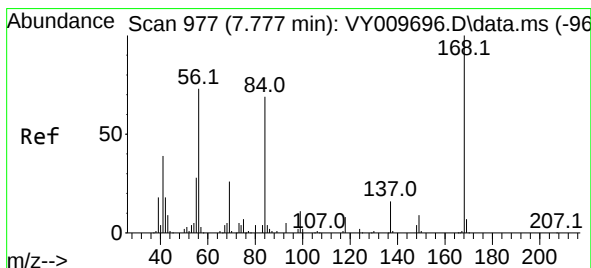
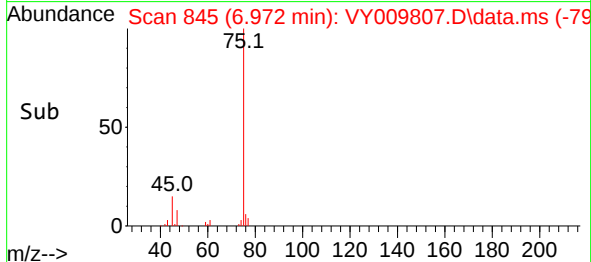
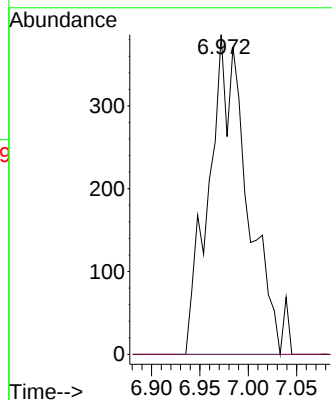
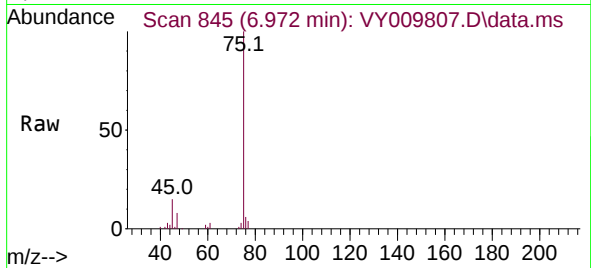




#25
2-Butanone
Concen: 2.272 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

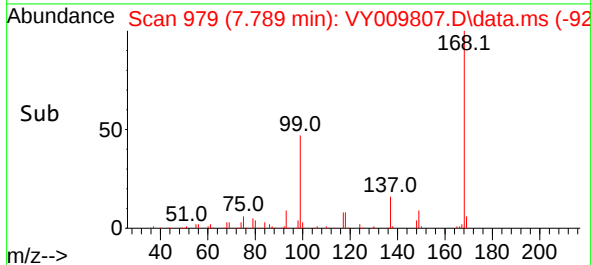
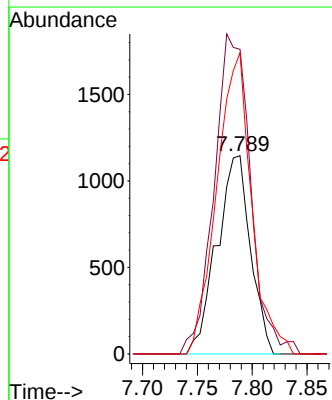
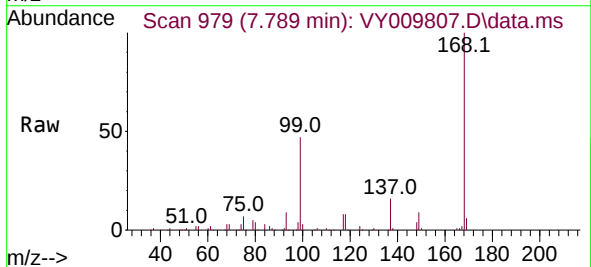
Instrument :
MSVOA_Y
ClientSampleId :
RVE-156

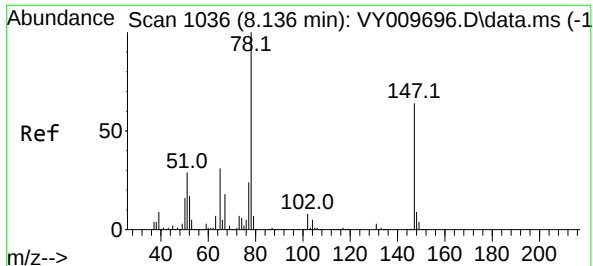
Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

Tgt Ion: 56 Resp: 2441
Ion Ratio Lower Upper
56 100
69 153.7 26.7 40.1#
84 151.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.657 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009807.D

Acq: 01 Aug 2022 19:22

Instrument :

MSVOA_Y

ClientSampleId :

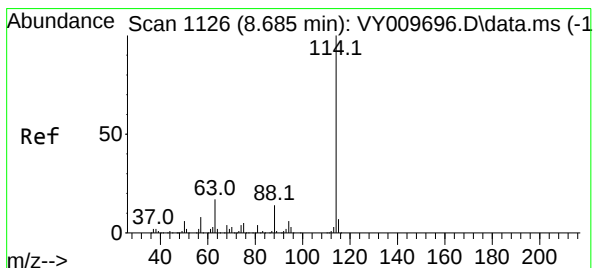
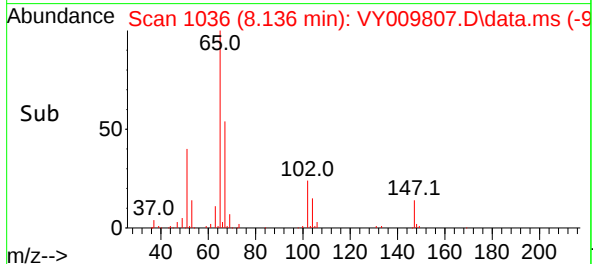
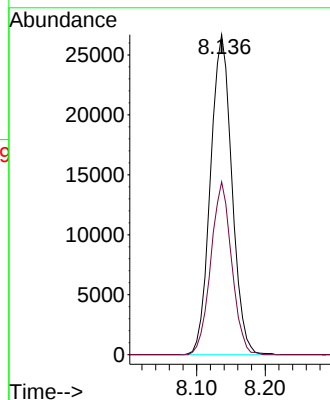
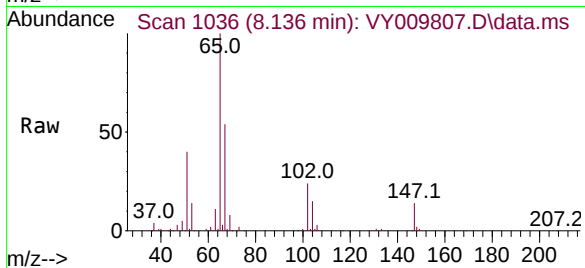
RVE-156

Tgt Ion: 65 Resp: 57955

Ion Ratio Lower Upper

65 100

67 52.5 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: VY009807.D

Acq: 01 Aug 2022 19:22

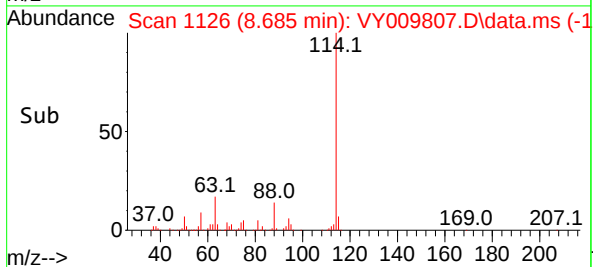
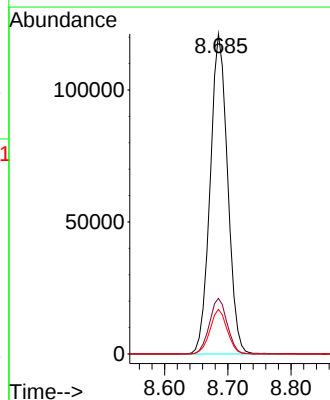
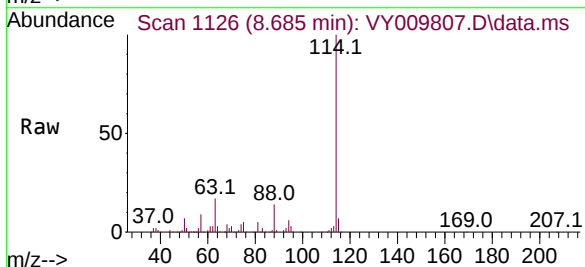
Tgt Ion: 114 Resp: 231775

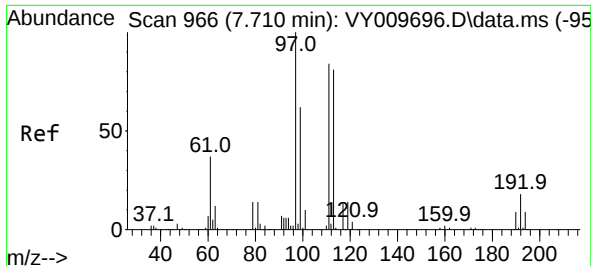
Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 14.0 0.0 31.8

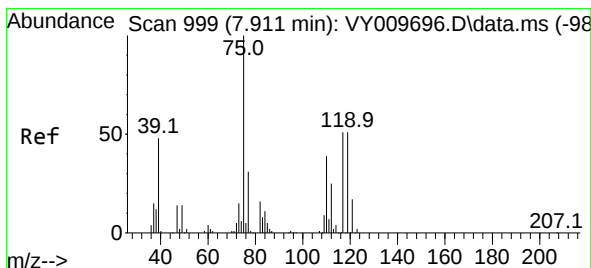
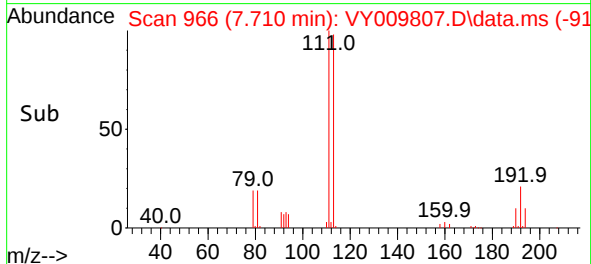
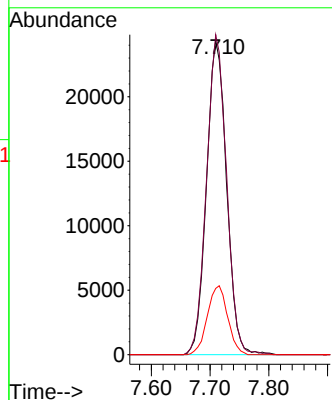
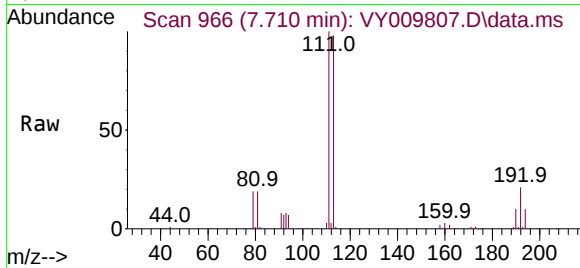




#35
Dibromofluoromethane
Concen: 45.911 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

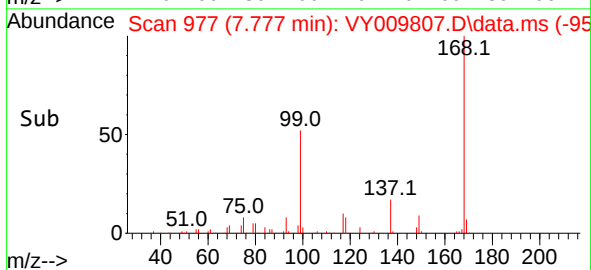
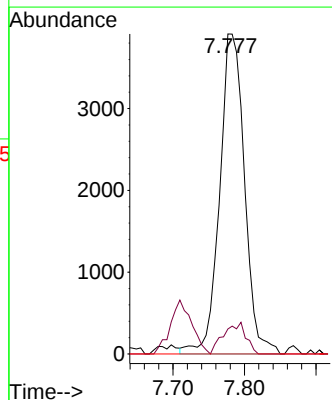
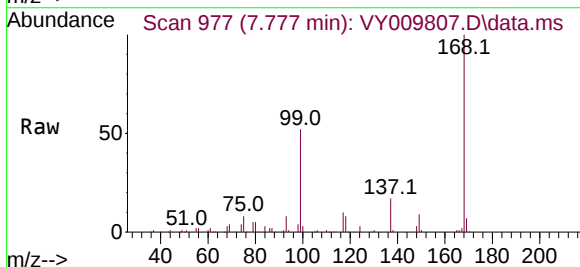
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RVE-156

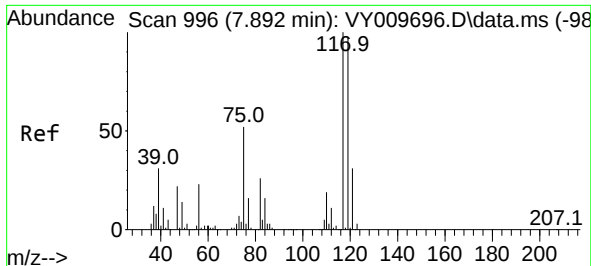
Tgt Ion:113 Resp: 57874
Ion Ratio Lower Upper
113 100
111 101.6 82.6 124.0
192 22.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.613 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

Tgt Ion: 75 Resp: 9461
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#

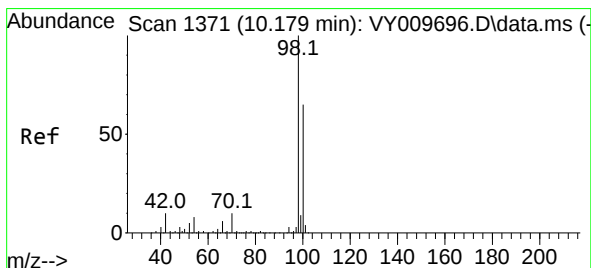
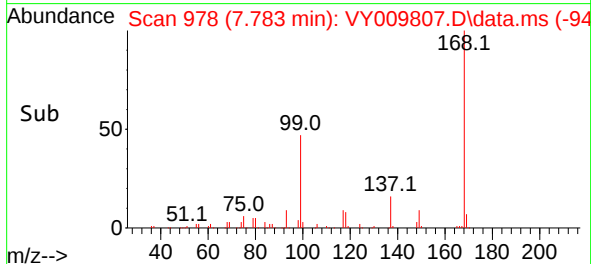
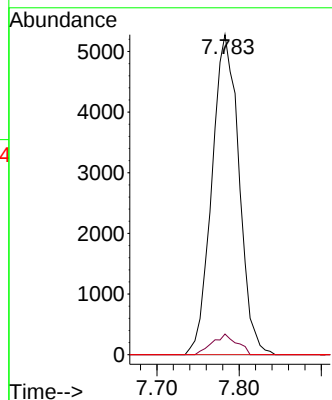
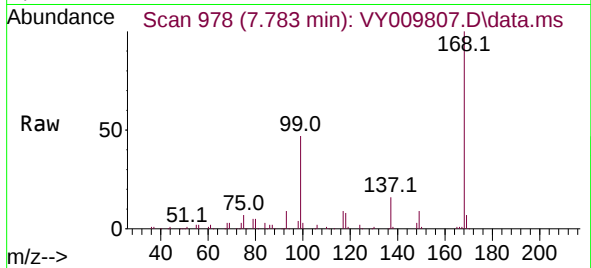




#38
Carbon Tetrachloride
Concen: 5.498 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

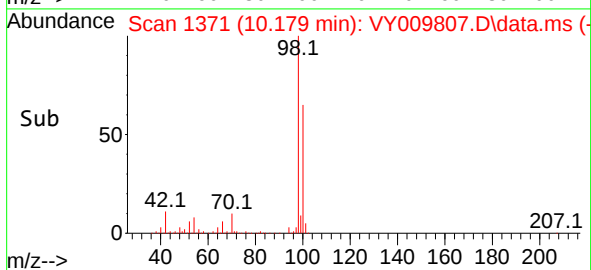
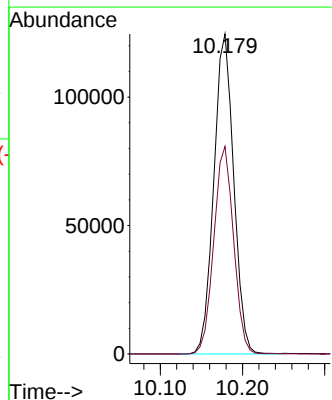
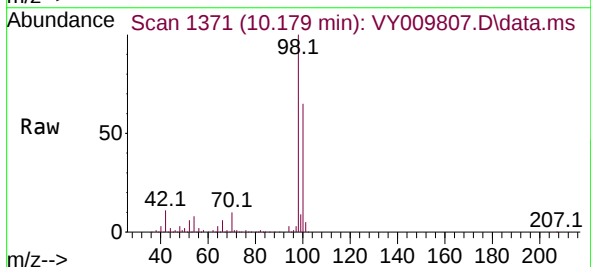
Instrument :
MSVOA_Y
ClientSampleId :
RVE-156

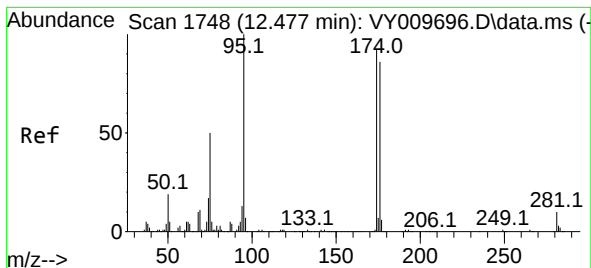
Tgt Ion:117 Resp: 12085
Ion Ratio Lower Upper
117 100
119 6.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 57.662 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

Tgt Ion: 98 Resp: 209303
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 41.364 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009807.D

Acq: 01 Aug 2022 19:22

Instrument :

MSVOA_Y

ClientSampleId :

RVE-156

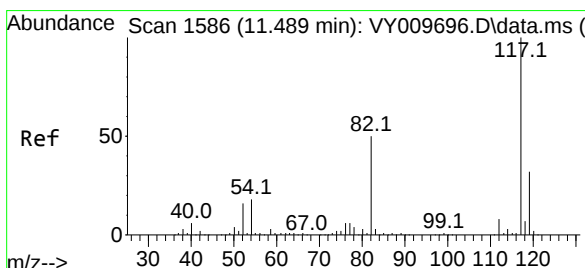
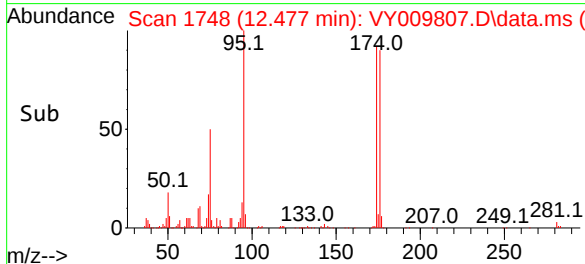
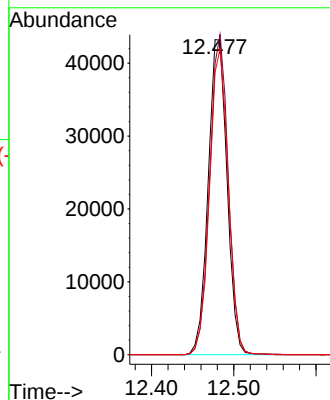
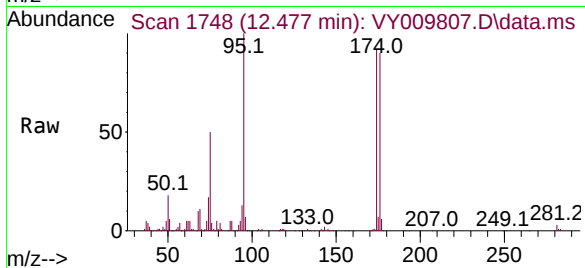
Tgt Ion: 95 Resp: 69139

Ion Ratio Lower Upper

95 100

174 100.0 0.0 177.0

176 95.8 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY009807.D

Acq: 01 Aug 2022 19:22

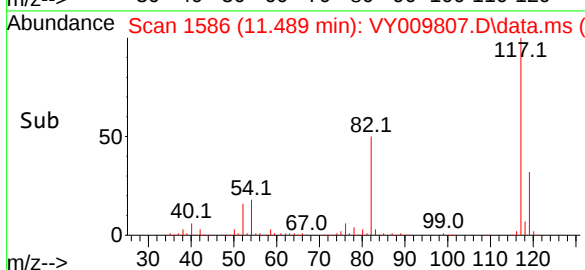
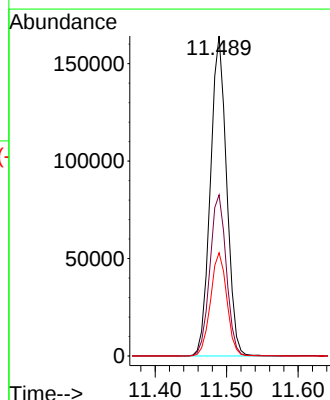
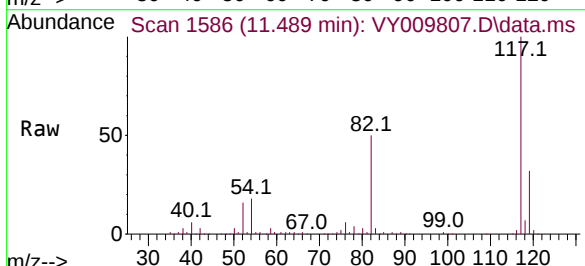
Tgt Ion: 117 Resp: 258655

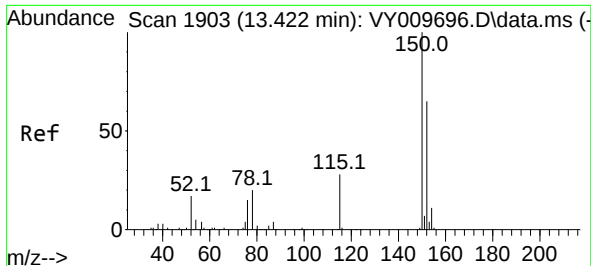
Ion Ratio Lower Upper

117 100

82 50.4 43.0 64.4

119 32.3 25.4 38.0

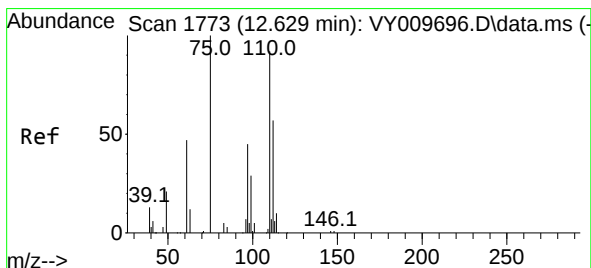
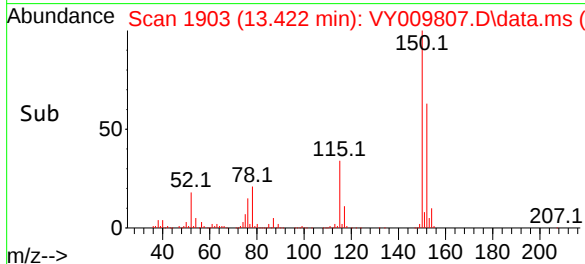
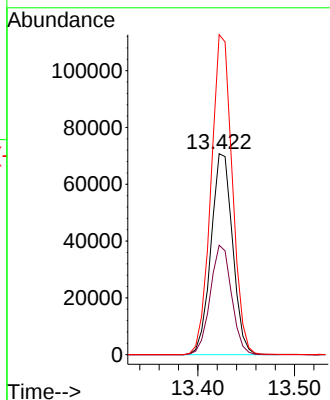
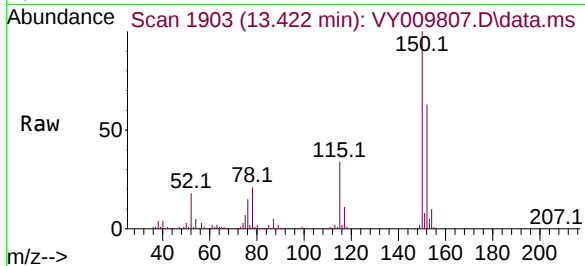




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

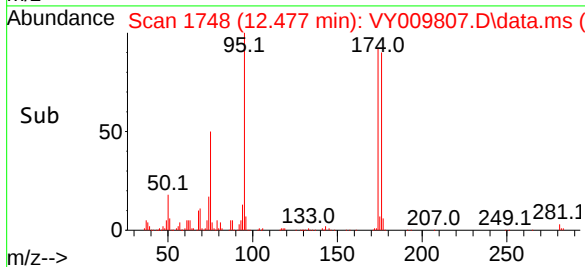
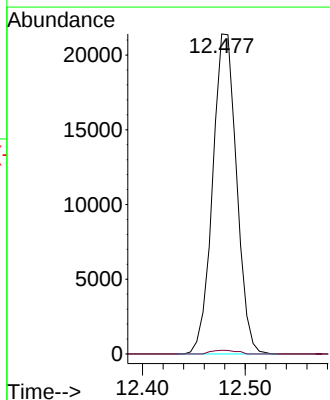
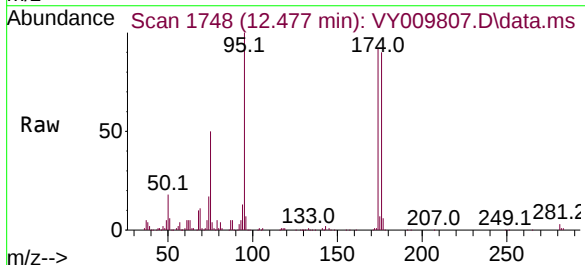
Instrument :
MSVOA_Y
ClientSampleId :
RVE-156

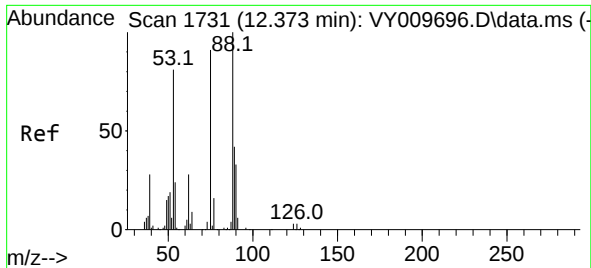
Tgt Ion:152 Resp: 109759
Ion Ratio Lower Upper
152 100
115 53.7 28.2 84.7
150 157.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 33.992 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009807.D
Acq: 01 Aug 2022 19:22

Tgt Ion: 75 Resp: 34655
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.756 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009807.D
 Acq: 01 Aug 2022 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-156

Tgt Ion: 75 Resp: 34655
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.2 37.0 55.4#

