

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072922\
 Data File : VY009783.D
 Acq On : 29 Jul 2022 19:23
 Operator : KP/MD
 Sample : N3931-04
 Misc : 4.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-116

Quant Time: Aug 01 01:16:34 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)

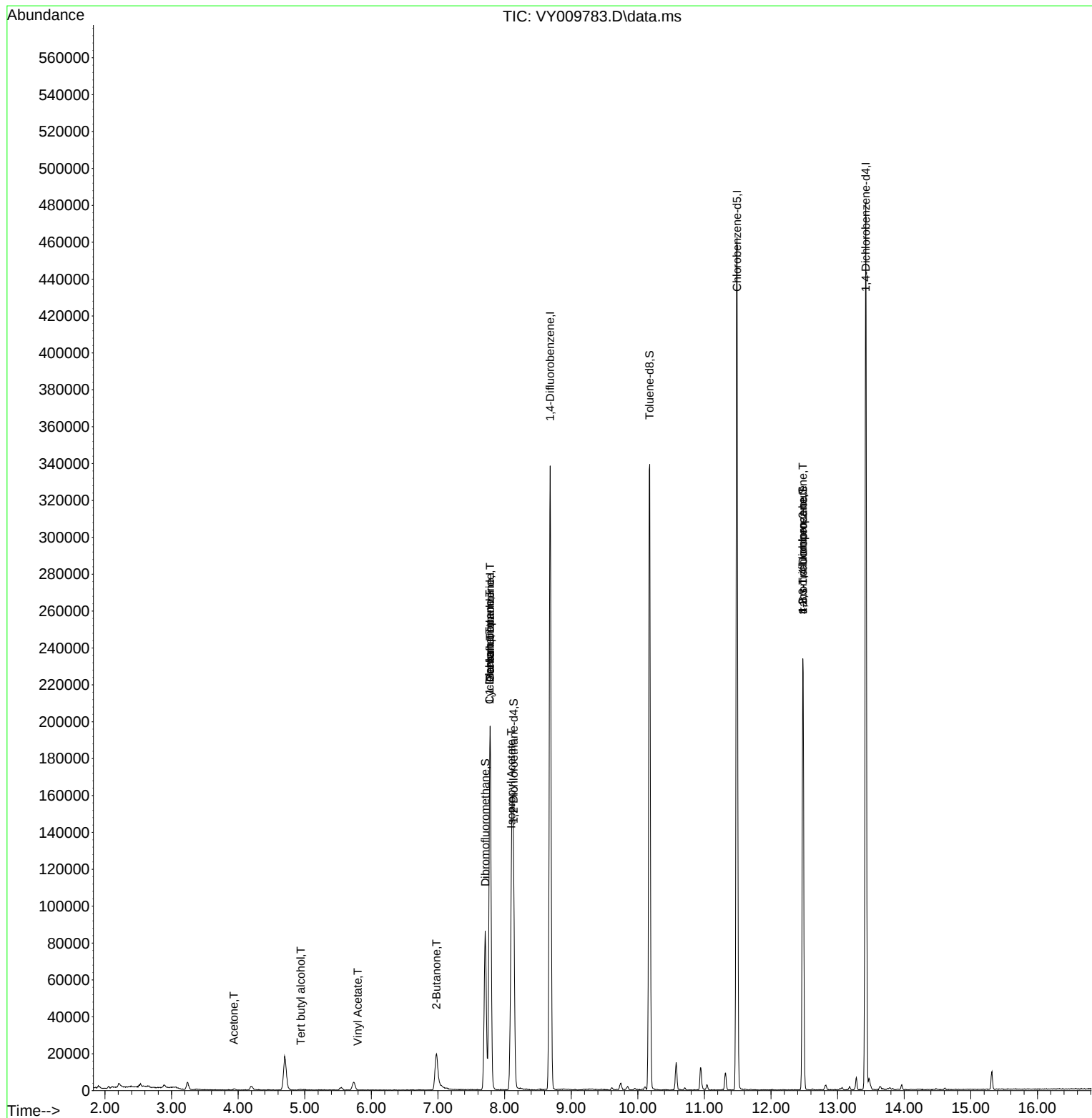
Internal Standards						
1) Pentafluorobenzene	7.783	168	162347	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	294628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	262866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	62884	59.138	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.280%	
35) Dibromofluoromethane	7.710	113	58614	36.579	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 73.160%	
50) Toluene-d8	10.179	98	227723	48.685	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 97.380%	
62) 4-Bromofluorobenzene	12.477	95	65054	30.617	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 61.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	708	3.630	ug/l	# 77
16) Acetone	3.936	43	979	2.522	ug/l	# 89
18) Methyl Acetate	4.479	43	154	Below Cal	#	56
20) Methylene Chloride	4.704	84	13290	Below Cal	#	79
23) Vinyl Acetate	5.795	43	42	7.486	ug/l	# 75
25) 2-Butanone	6.978	43	1231	2.150	ug/l	# 54
31) Cyclohexane	7.777	56	2912	1.127	ug/l	# 1
36) 1,1-Dichloropropene	7.777	75	11011	4.223	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	14149	5.064	ug/l	# 16
43) Isopropyl Acetate	8.100	43	2919	1.081	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	33112	28.520	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	33112	56.848	ug/l	# 7

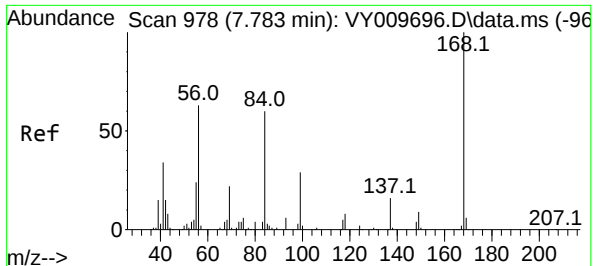
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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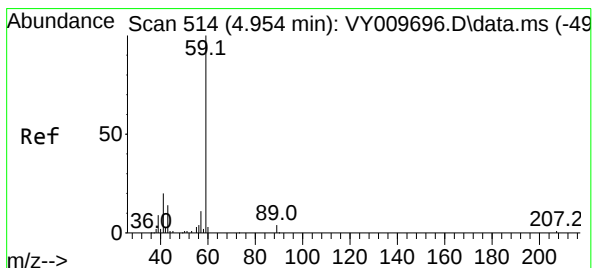
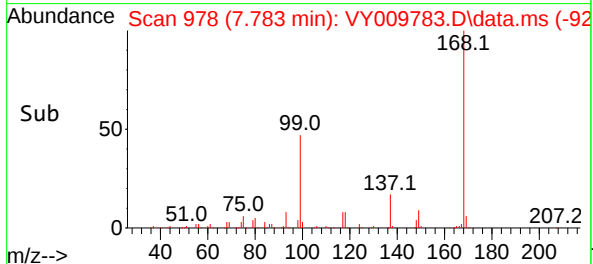
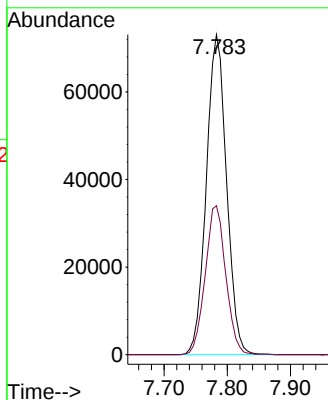
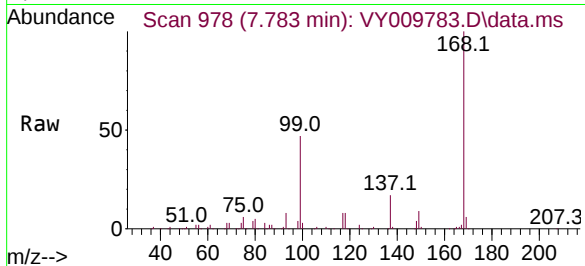




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

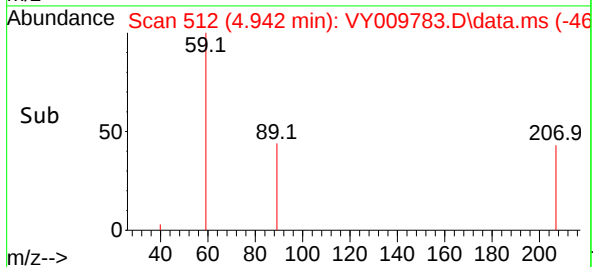
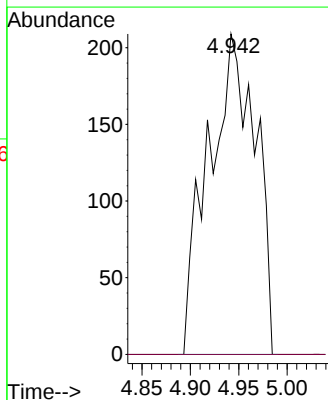
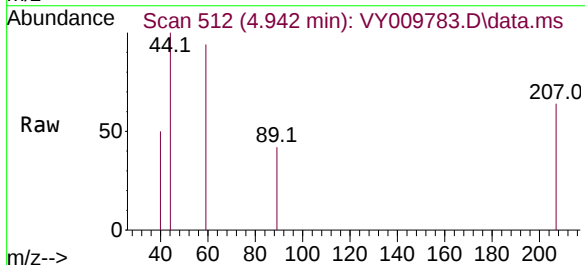
Instrument :
MSVOA_Y
ClientSampleId :
RVE-116

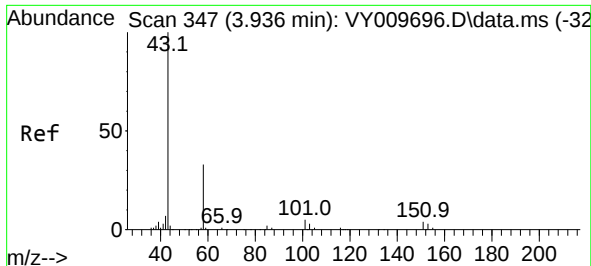
Tgt Ion:168 Resp: 162347
Ion Ratio Lower Upper
168 100
99 46.5 46.9 70.3#



#11
Tert butyl alcohol
Concen: 3.630 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

Tgt Ion: 59 Resp: 708
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

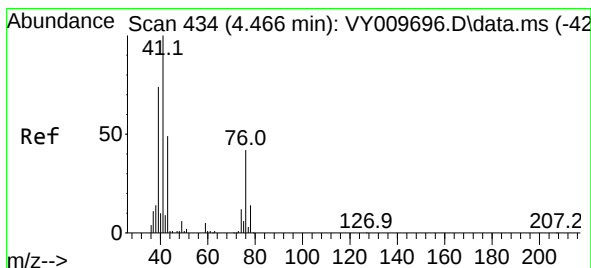
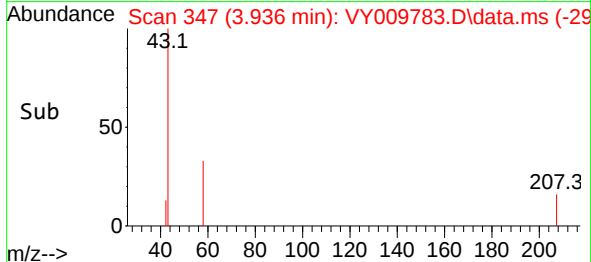
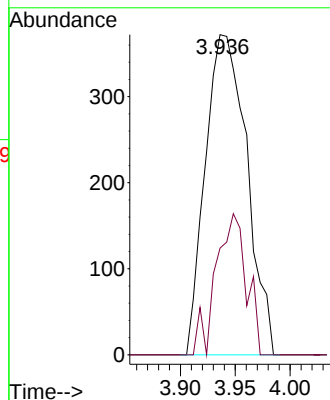
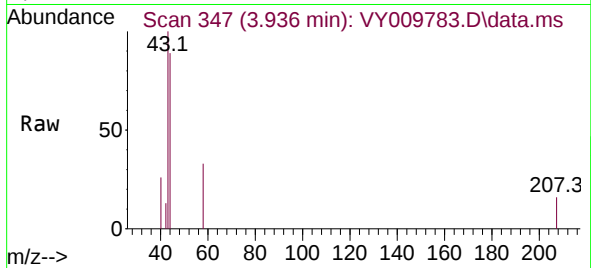




#16
Acetone
Concen: 2.522 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

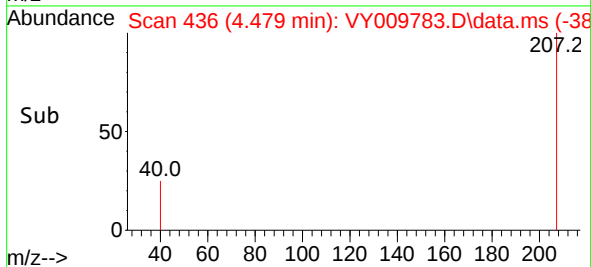
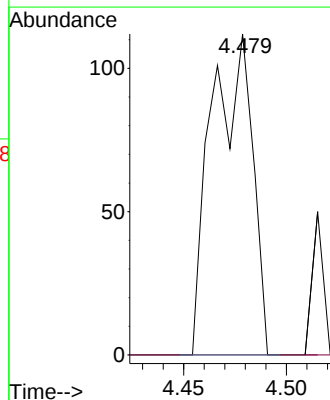
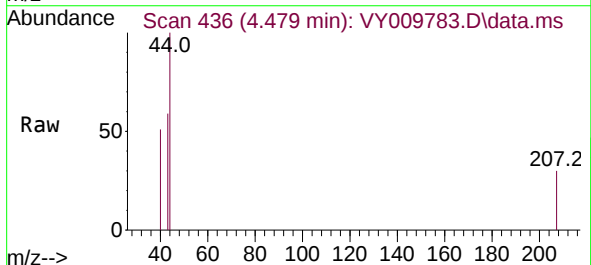
Instrument :
MSVOA_Y
ClientSampleId :
RVE-116

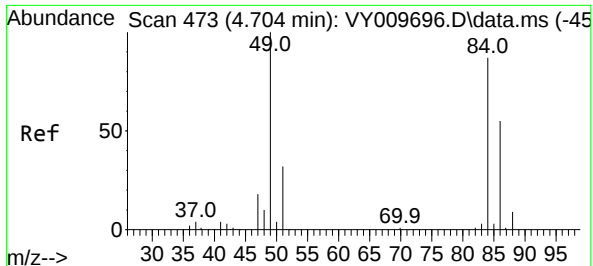
Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
58 33.3 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.013 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY009783.D

Acq: 29 Jul 2022 19:23

Instrument :

MSVOA_Y

ClientSampleId :

RVE-116

Tgt Ion: 84 Resp: 13290

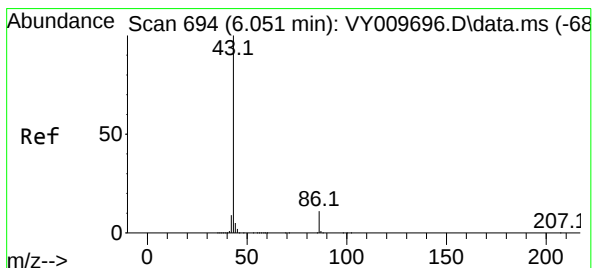
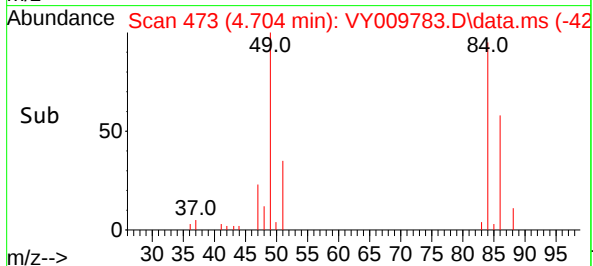
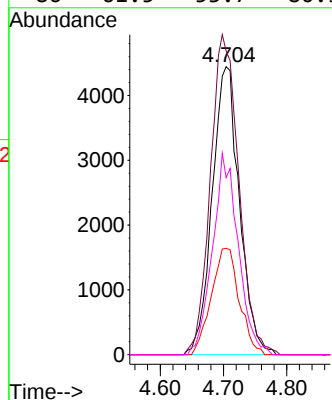
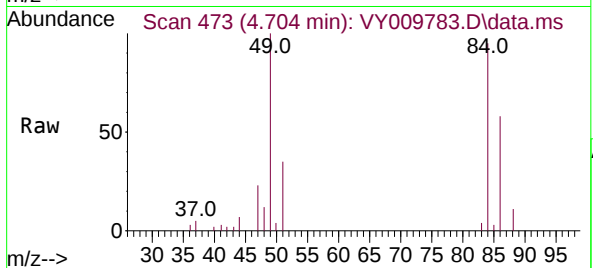
Ion Ratio Lower Upper

84 100

49 105.5 114.4 171.6#

51 36.9 35.3 52.9

86 61.5 53.7 80.5



#23

Vinyl Acetate

Concen: 7.486 ug/l

RT: 5.795 min Scan# 652

Delta R.T. -0.256 min

Lab File: VY009783.D

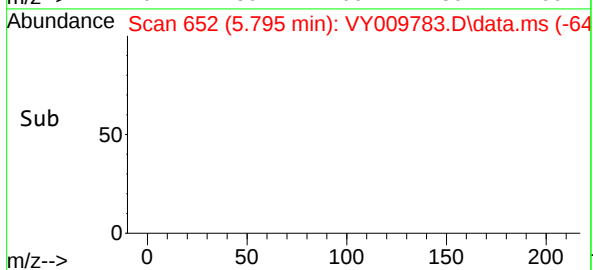
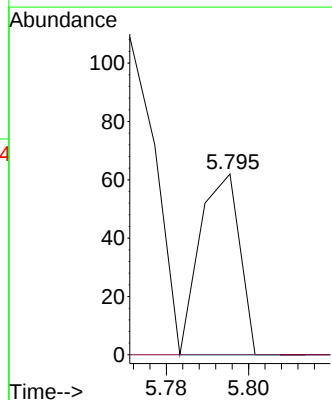
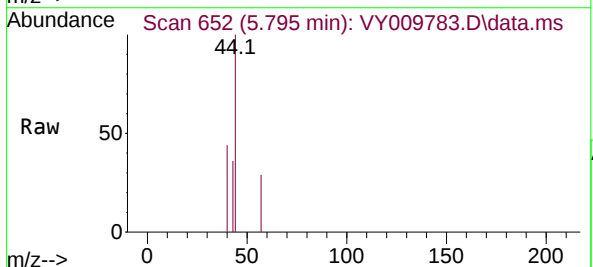
Acq: 29 Jul 2022 19:23

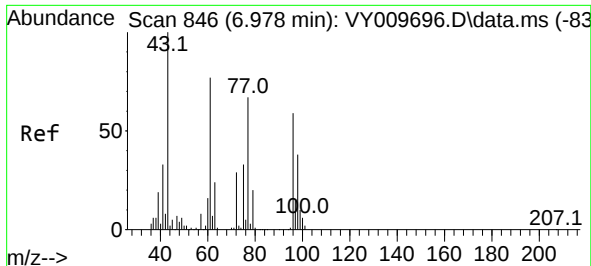
Tgt Ion: 43 Resp: 42

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#

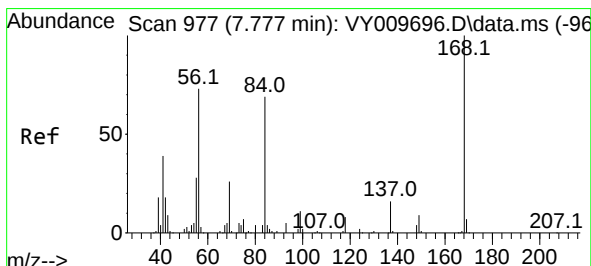
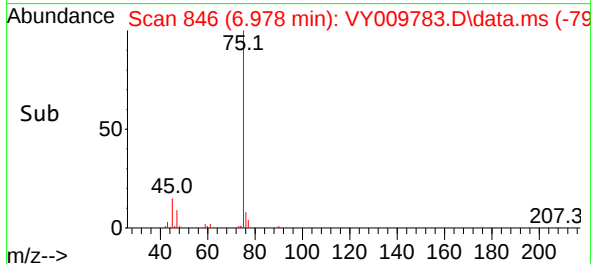
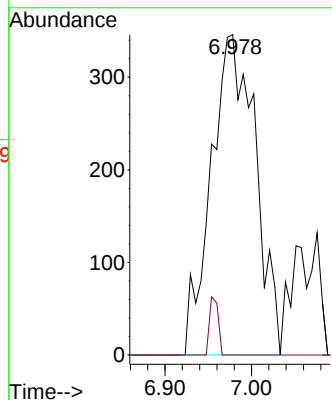
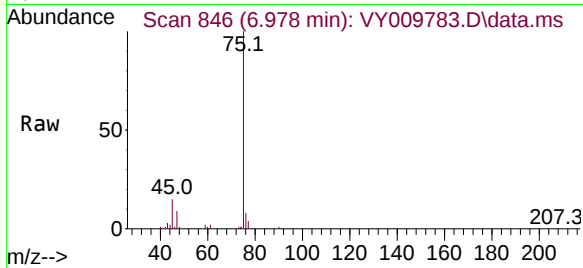




#25
2-Butanone
Concen: 2.150 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

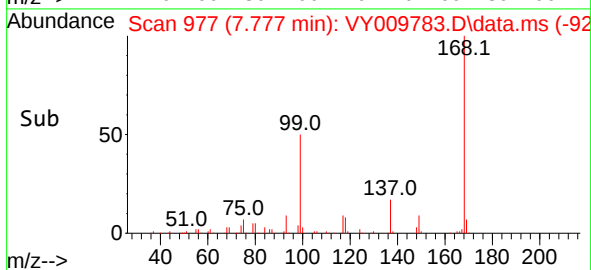
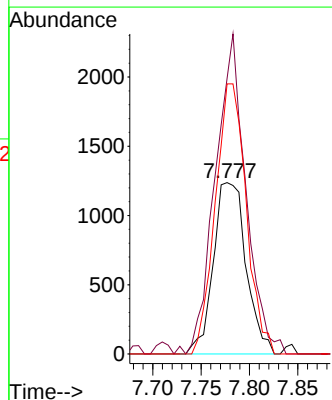
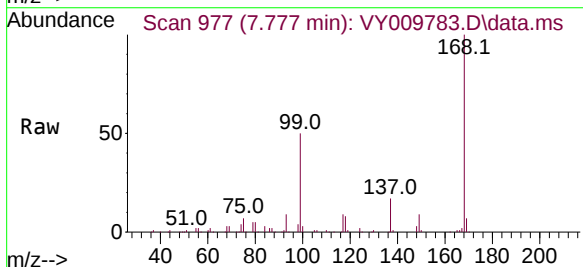
Instrument :
MSVOA_Y
ClientSampleId :
RVE-116

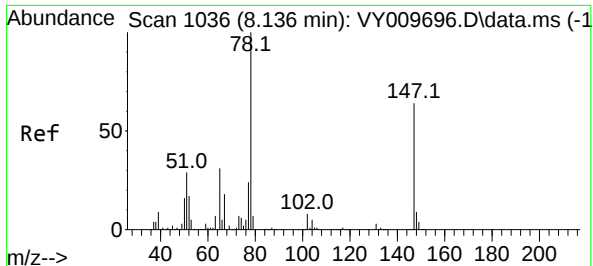
Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

Tgt Ion: 56 Resp: 2912
Ion Ratio Lower Upper
56 100
69 156.2 26.7 40.1#
84 157.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 59.138 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY009783.D

Acq: 29 Jul 2022 19:23

Instrument :

MSVOA_Y

ClientSampleId :

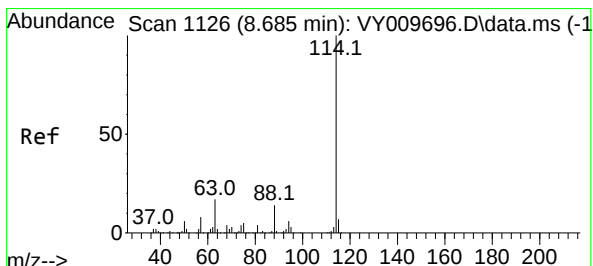
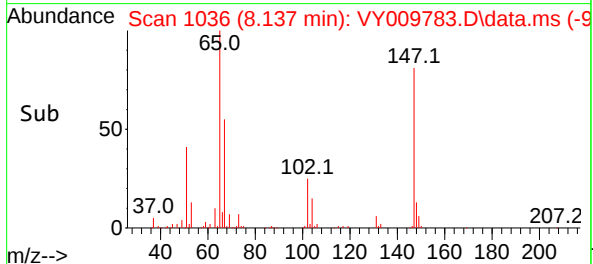
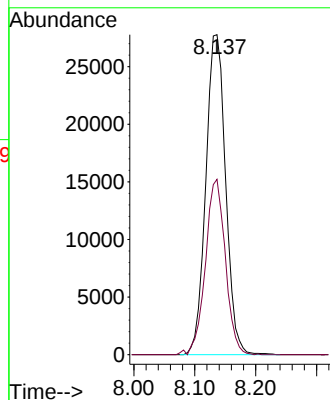
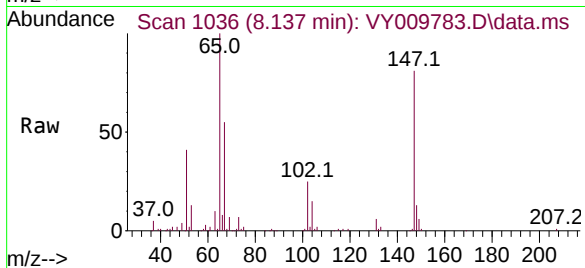
RVE-116

Tgt Ion: 65 Resp: 62884

Ion Ratio Lower Upper

65 100

67 55.0 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: VY009783.D

Acq: 29 Jul 2022 19:23

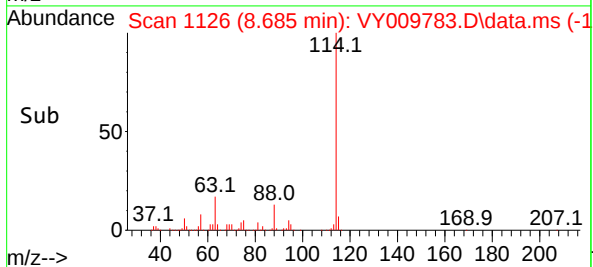
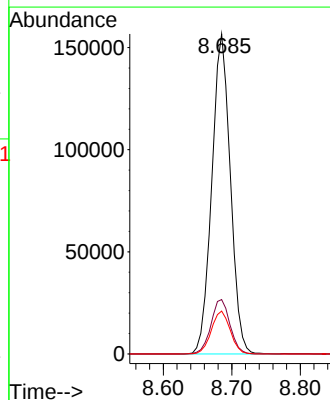
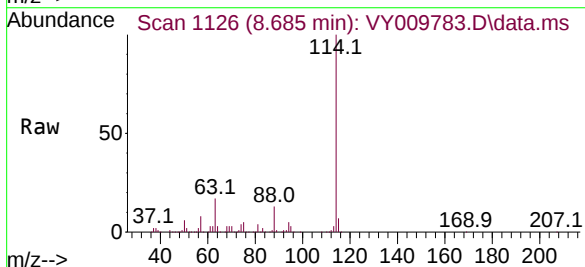
Tgt Ion:114 Resp: 294628

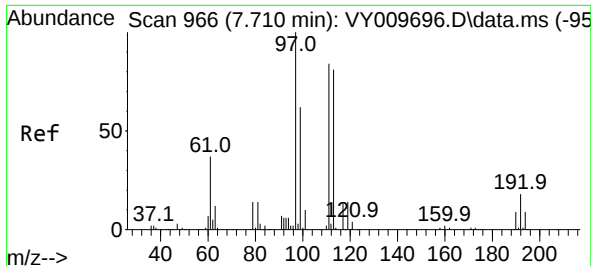
Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

88 13.4 0.0 31.8

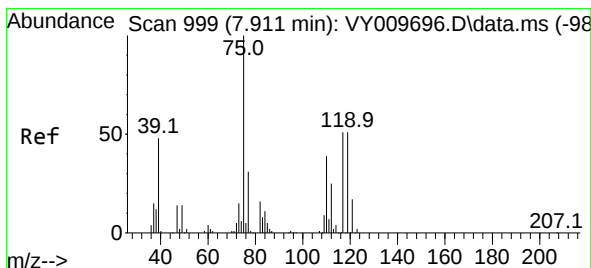
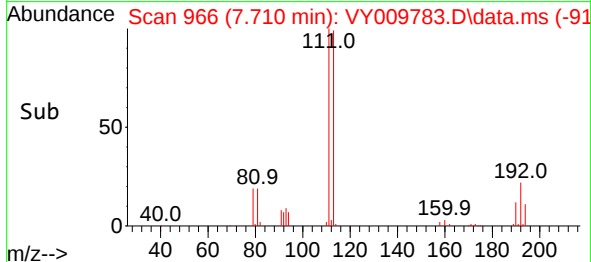
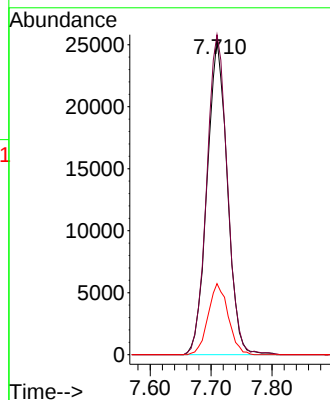
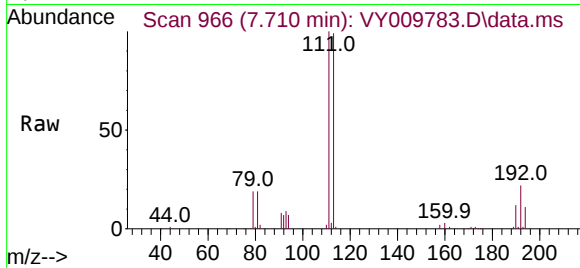




#35
Dibromofluoromethane
Concen: 36.579 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

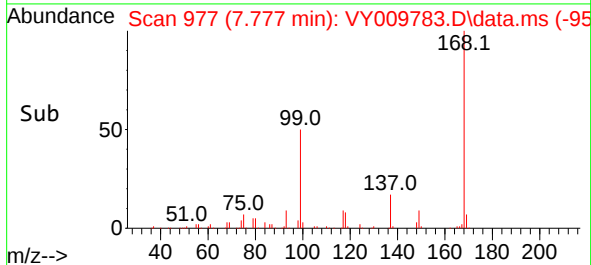
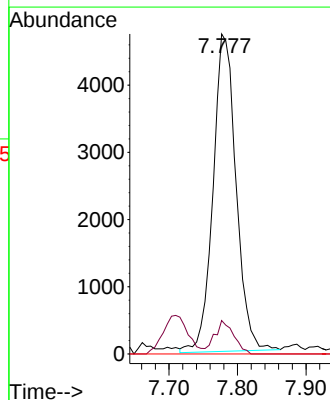
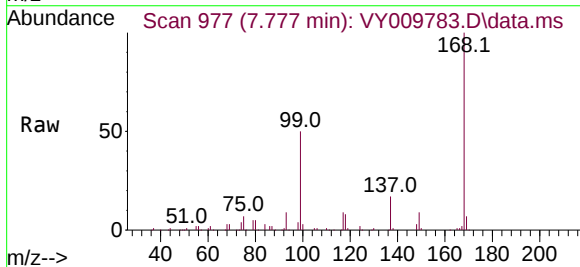
Instrument :
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RVE-116

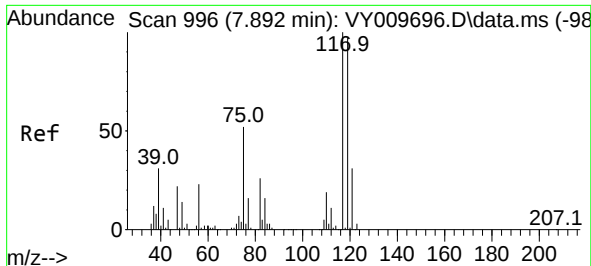
Tgt Ion:113 Resp: 58614
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 22.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.223 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

Tgt Ion: 75 Resp: 11011
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#

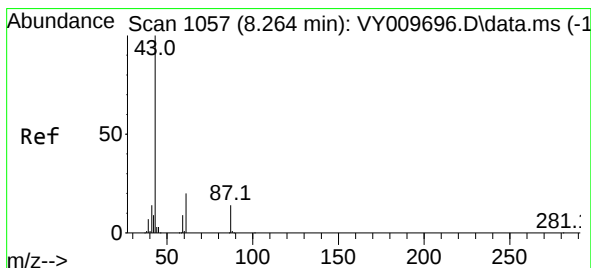
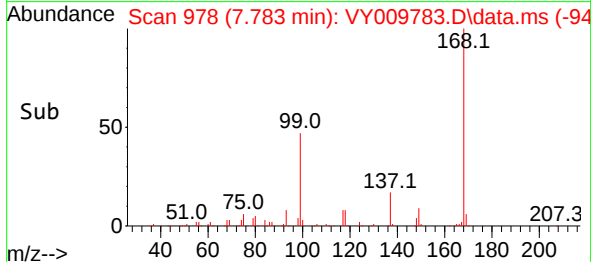
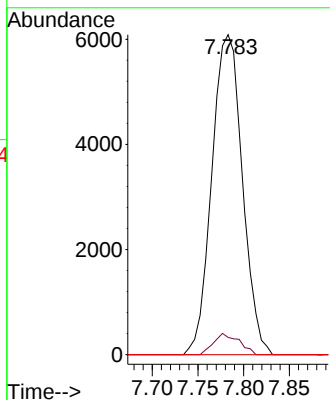
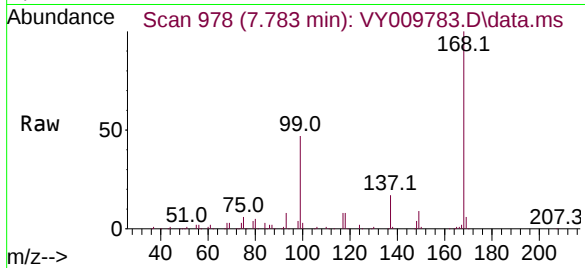




#38
Carbon Tetrachloride
Concen: 5.064 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

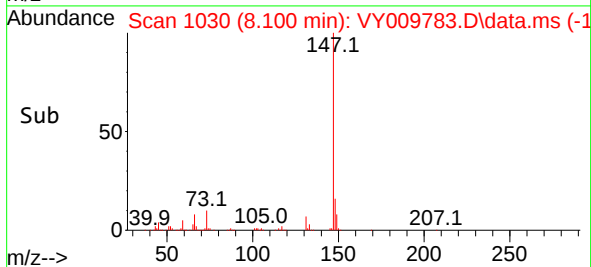
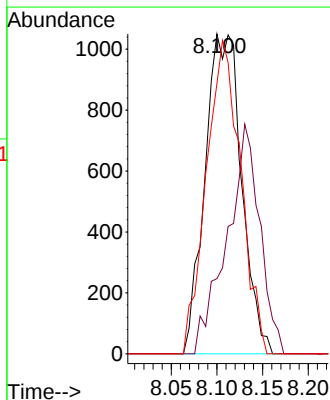
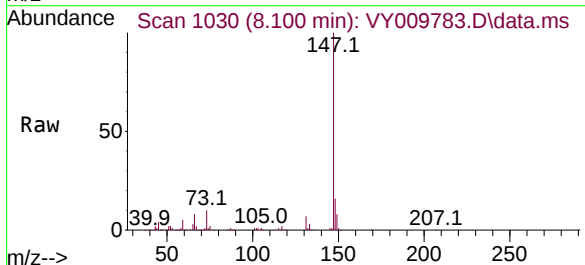
Instrument :
MSVOA_Y
ClientSampleId :
RVE-116

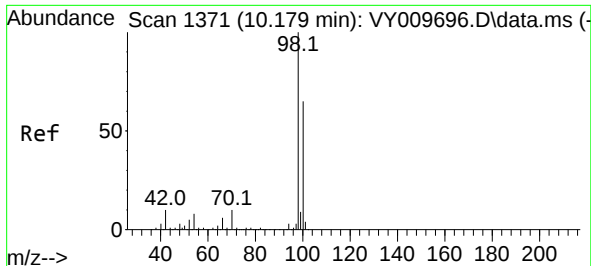
Tgt Ion:117 Resp: 14149
Ion Ratio Lower Upper
117 100
119 5.4 77.9 116.9#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 1.081 ug/l
RT: 8.100 min Scan# 1030
Delta R.T. -0.164 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

Tgt Ion: 43 Resp: 2919
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 92.2 8.9 13.3#

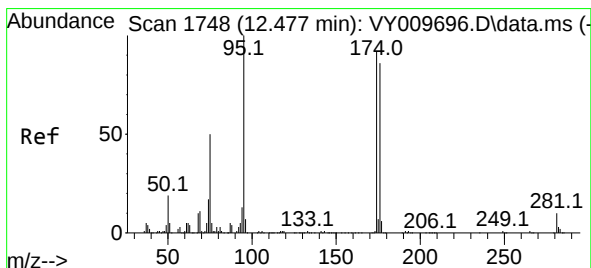
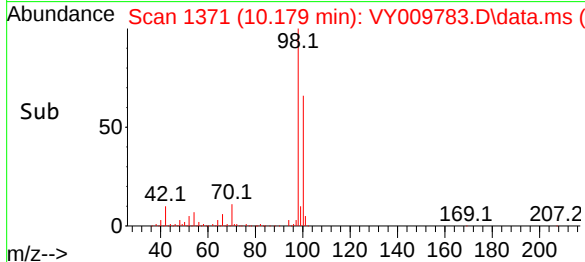
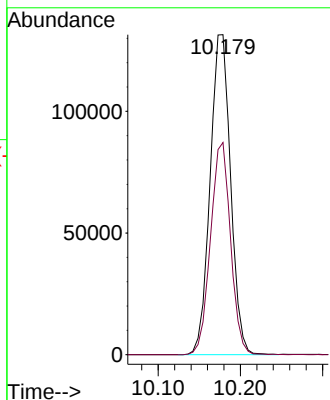
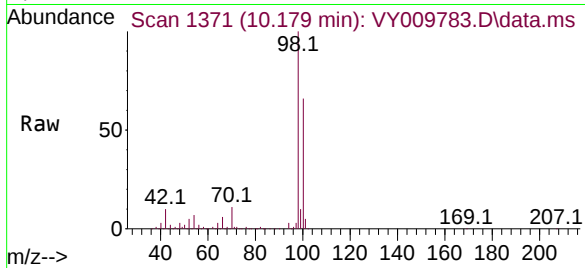




#50
Toluene-d8
Concen: 48.685 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

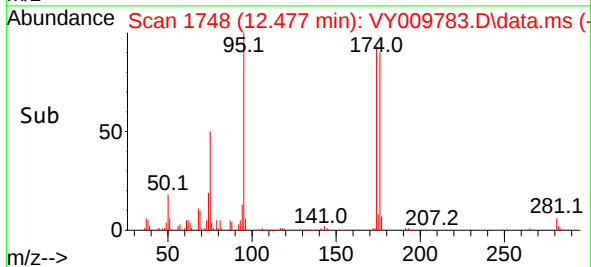
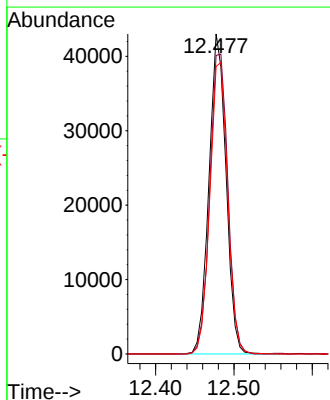
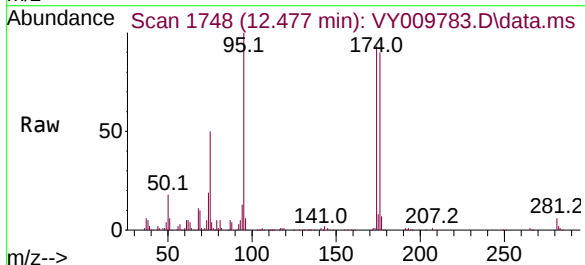
Instrument :
MSVOA_Y
ClientSampleId :
RVE-116

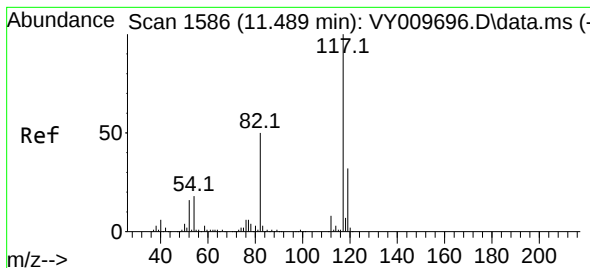
Tgt Ion: 98 Resp: 227723
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 30.617 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

Tgt Ion: 95 Resp: 65054
Ion Ratio Lower Upper
95 100
174 99.4 0.0 177.0
176 95.0 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY009783.D

Acq: 29 Jul 2022 19:23

Instrument :

MSVOA_Y

ClientSampleId :

RVE-116

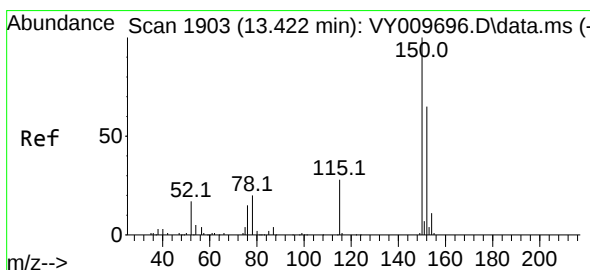
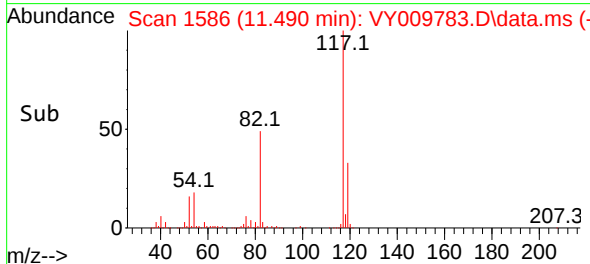
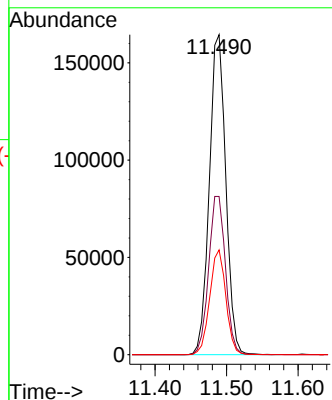
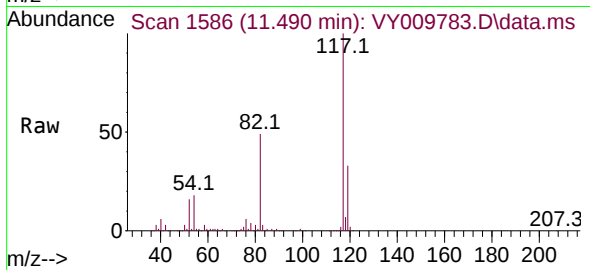
Tgt Ion:117 Resp: 262866

Ion Ratio Lower Upper

117 100

82 49.4 43.0 64.4

119 32.7 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: VY009783.D

Acq: 29 Jul 2022 19:23

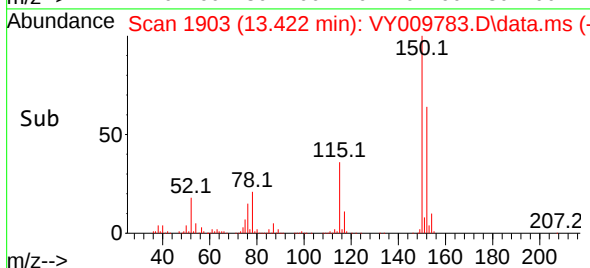
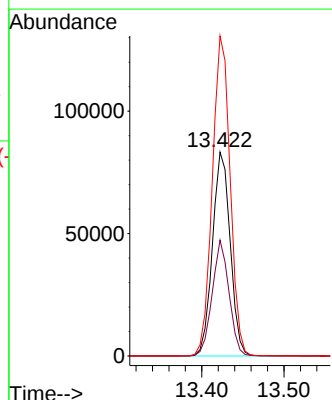
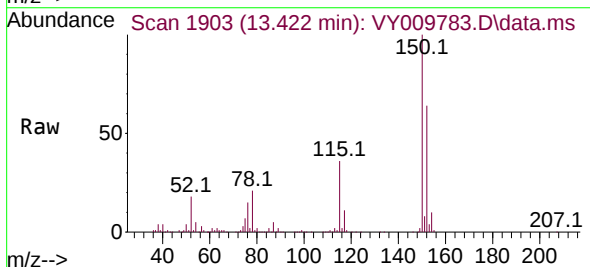
Tgt Ion:152 Resp: 124995

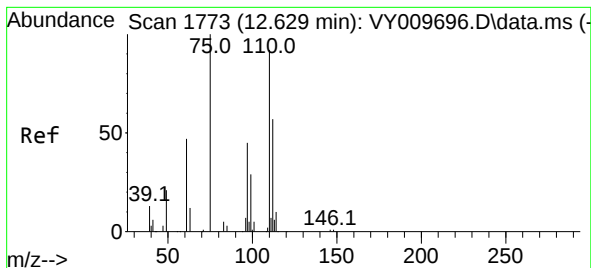
Ion Ratio Lower Upper

152 100

115 53.8 28.2 84.7

150 157.4 0.0 347.6

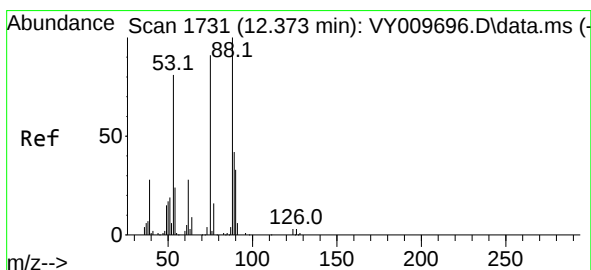
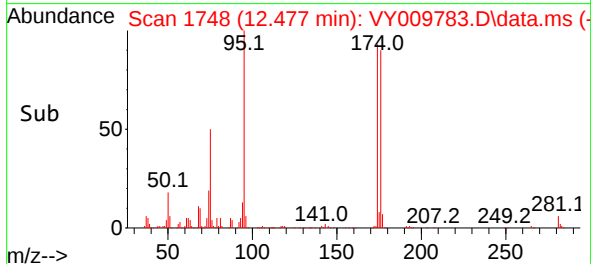
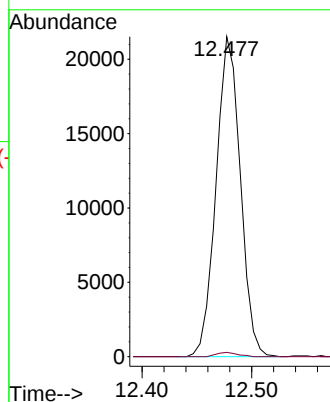
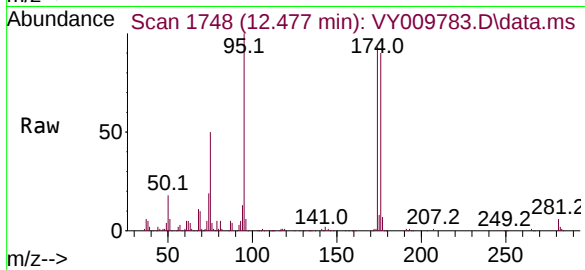




#76
1,2,3-Trichloropropane
Concen: 28.520 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

Instrument :
MSVOA_Y
ClientSampleId :
RVE-116

Tgt Ion: 75 Resp: 33112
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.848 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009783.D
Acq: 29 Jul 2022 19:23

Tgt Ion: 75 Resp: 33112
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

