

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072822\
 Data File : VY009758.D
 Acq On : 28 Jul 2022 17:59
 Operator : KP/MD
 Sample : N3895-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-40

Quant Time: Jul 29 02:57:52 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)

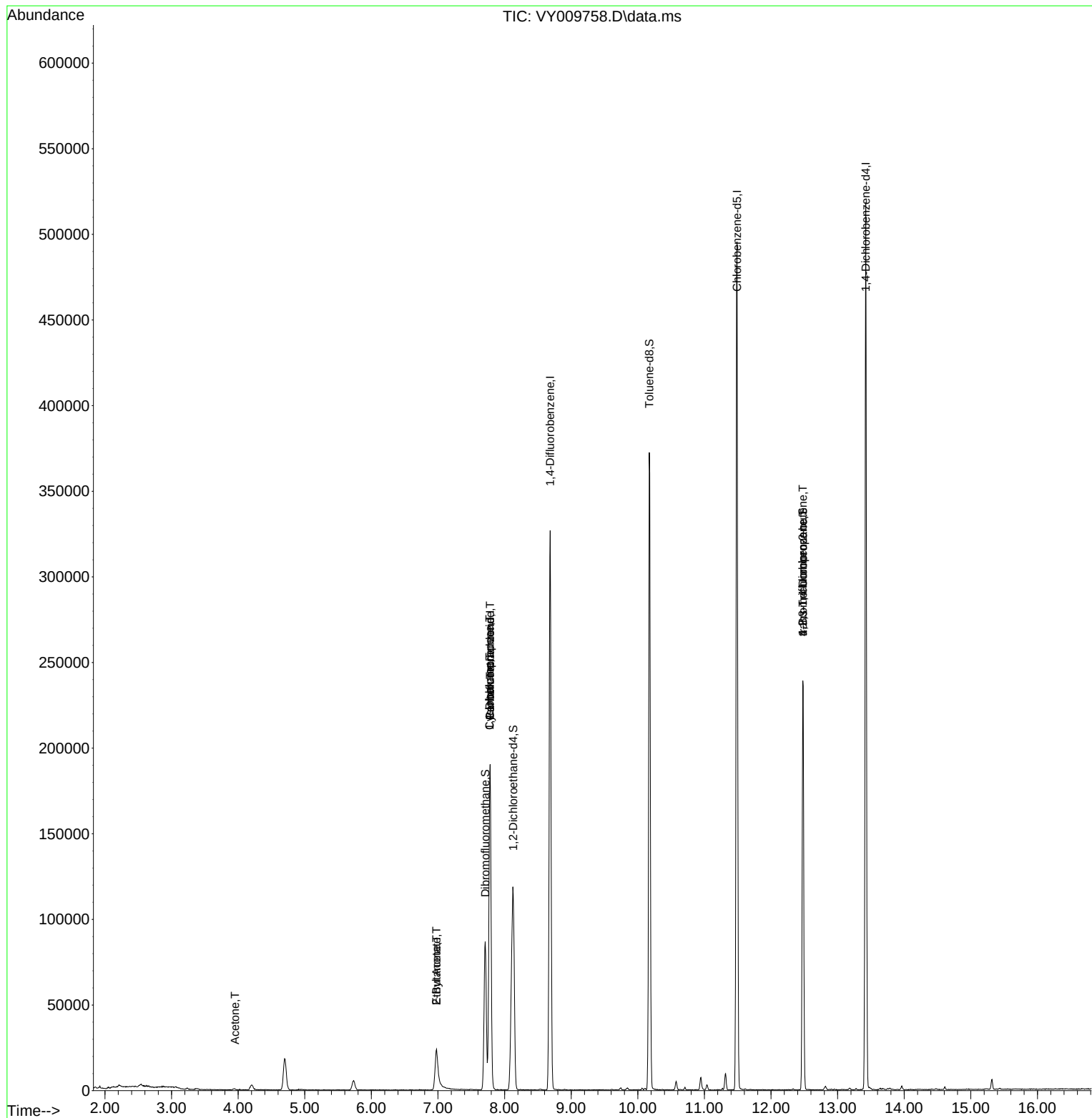
Internal Standards						
1) Pentafluorobenzene	7.783	168	159187	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	286950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	281086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	64672	62.308	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.620%	
35) Dibromofluoromethane	7.710	113	61902	39.664	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.320%	
50) Toluene-d8	10.173	98	245798	54.457	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 108.920%	
62) 4-Bromofluorobenzene	12.477	95	68353	33.031	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 66.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	75	Below Cal	#	77
16) Acetone	3.954	43	1208	3.174	ug/l #	83
18) Methyl Acetate	4.478	43	192	Below Cal	#	56
20) Methylene Chloride	4.698	84	14122	Below Cal	#	86
25) 2-Butanone	6.978	43	1561	2.780	ug/l	95
31) Cyclohexane	7.777	56	2827	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	10801	4.253	ug/l #	50
37) Ethyl Acetate	6.978	43	1561	1.037	ug/l #	1
38) Carbon Tetrachloride	7.783	117	14059	5.167	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	34758	28.580	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	34758	56.968	ug/l #	7

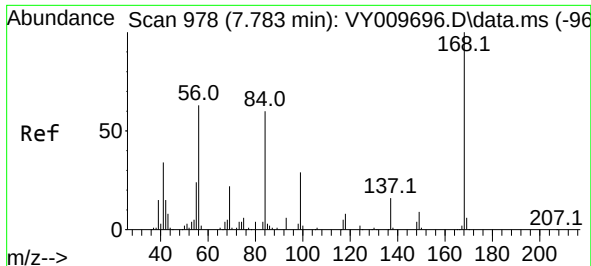
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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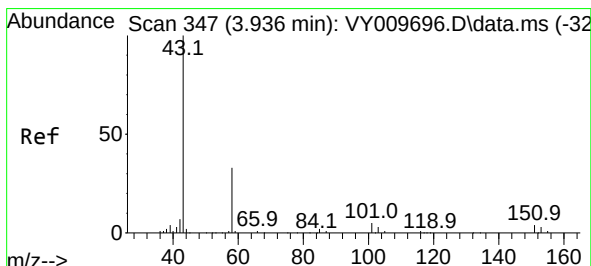
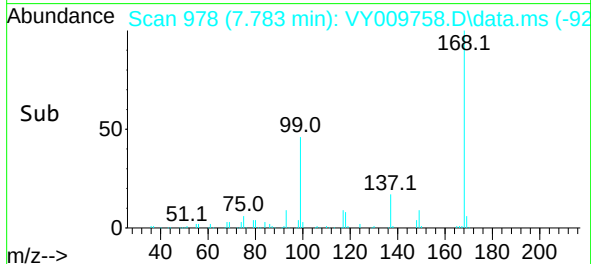
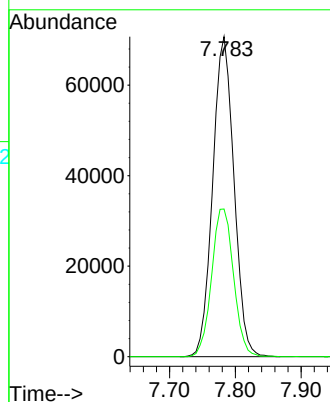
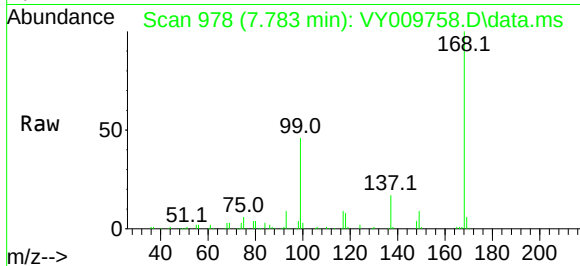




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009758.D
Acq: 28 Jul 2022 17:59

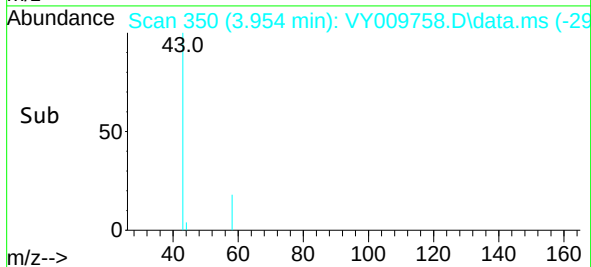
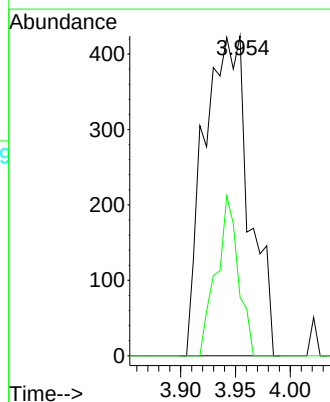
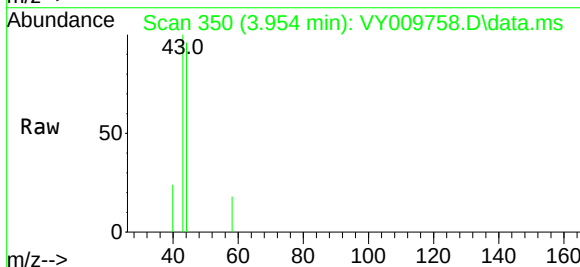
Instrument :
MSVOA_Y
ClientSampleId :
RVE-40

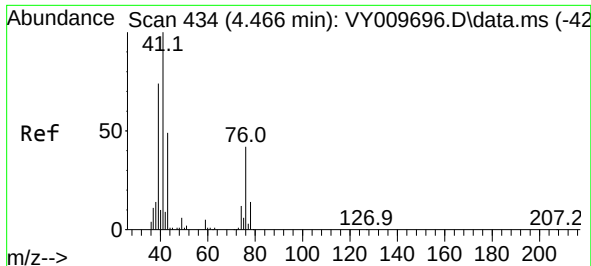
Tgt Ion:168 Resp: 159187
Ion Ratio Lower Upper
168 100
99 46.1 46.9 70.3#



#16
Acetone
Concen: 3.174 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.018 min
Lab File: VY009758.D
Acq: 28 Jul 2022 17:59

Tgt Ion: 43 Resp: 1208
Ion Ratio Lower Upper
43 100
58 18.4 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY009758.D

Acq: 28 Jul 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :

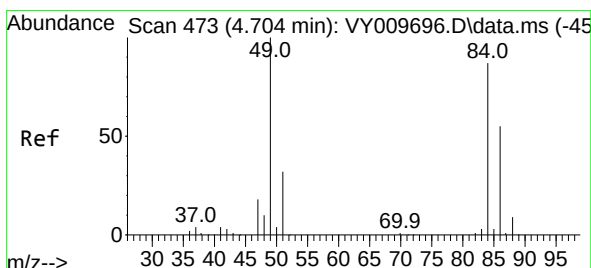
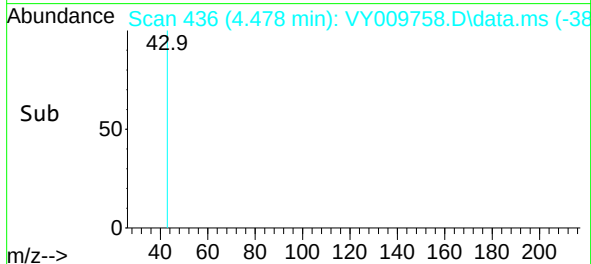
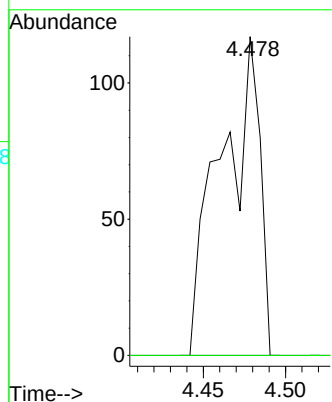
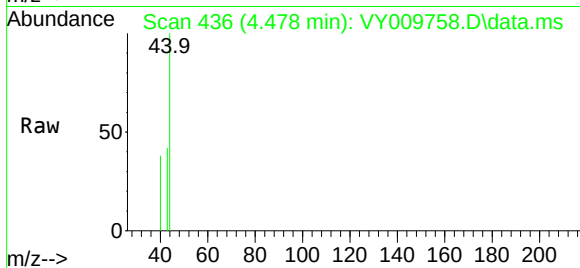
RVE-40

Tgt Ion: 43 Resp: 192

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY009758.D

Acq: 28 Jul 2022 17:59

Tgt Ion: 84 Resp: 14122

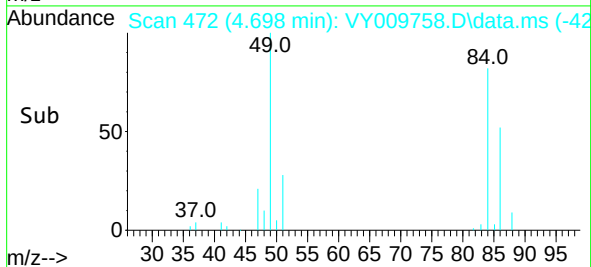
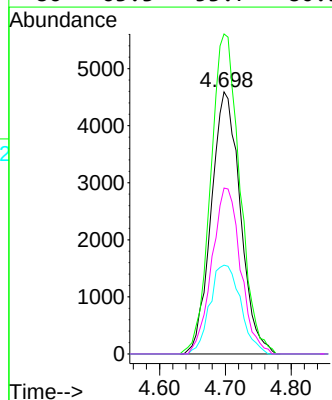
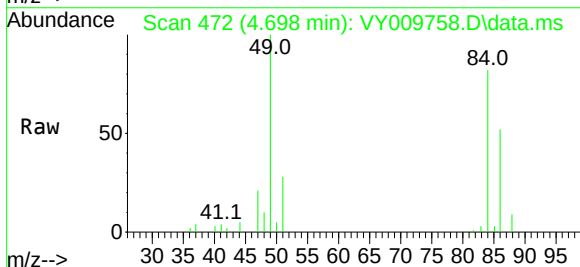
Ion Ratio Lower Upper

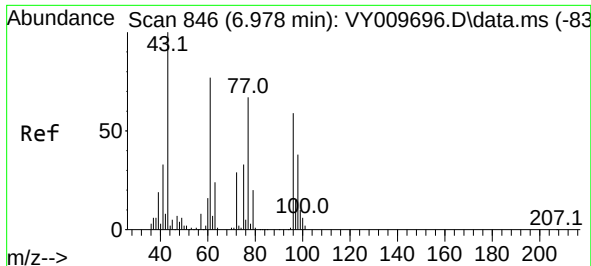
84 100

49 122.1 114.4 171.6

51 33.9 35.3 52.9#

86 63.3 53.7 80.5





#25

2-Butanone

Concen: 2.780 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY009758.D

Acq: 28 Jul 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :

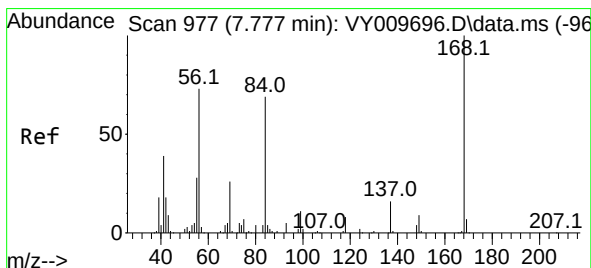
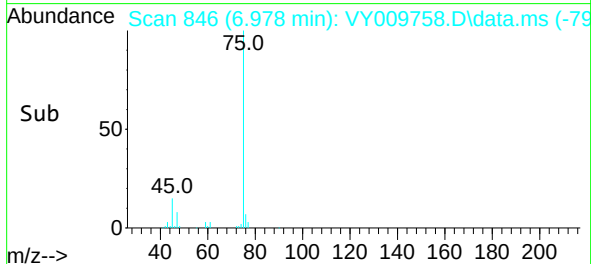
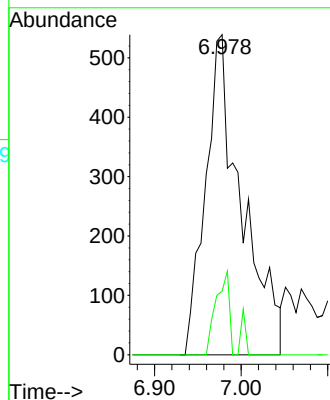
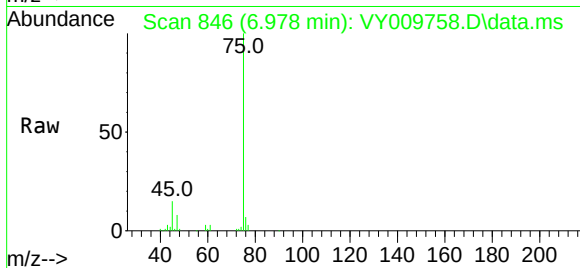
RVE-40

Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

43 100

72 19.9 17.7 26.5



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY009758.D

Acq: 28 Jul 2022 17:59

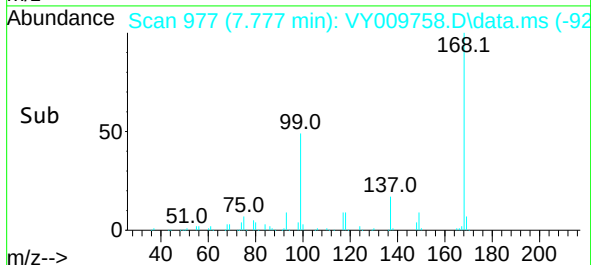
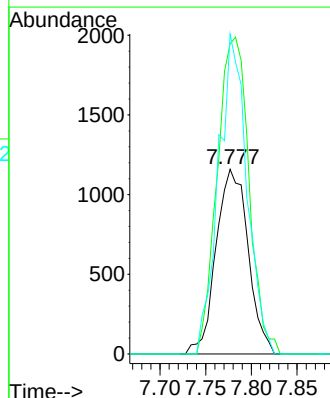
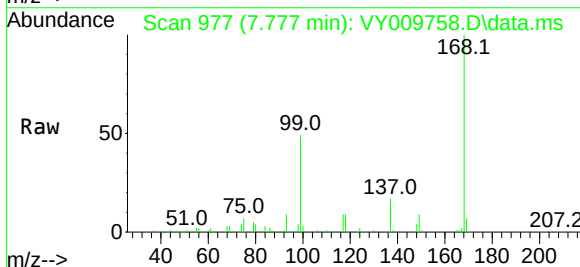
Tgt Ion: 56 Resp: 2827

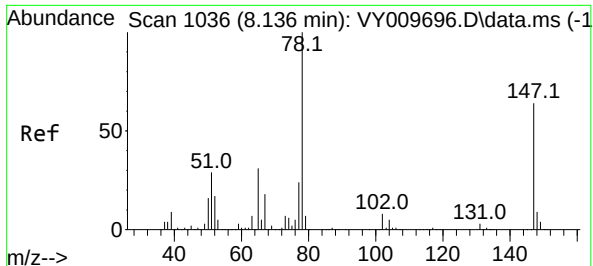
Ion Ratio Lower Upper

56 100

69 167.9 26.7 40.1#

84 173.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.308 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY009758.D

Acq: 28 Jul 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :

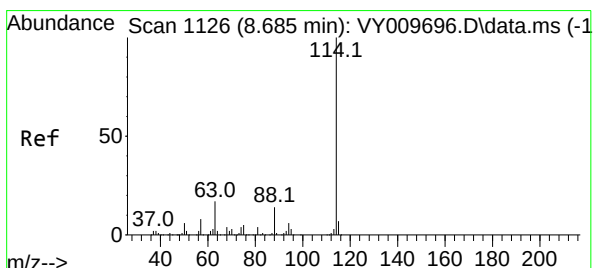
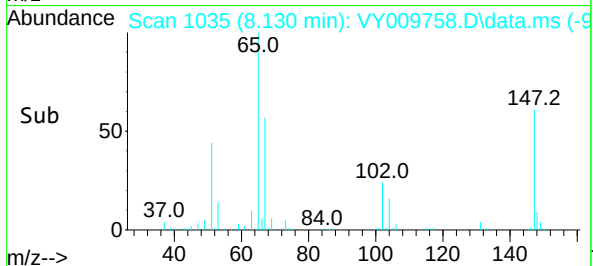
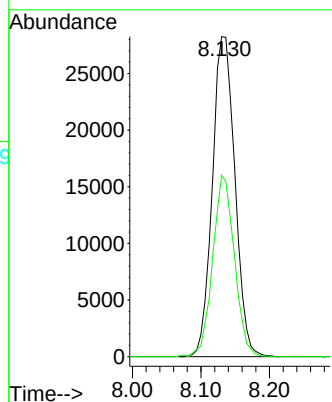
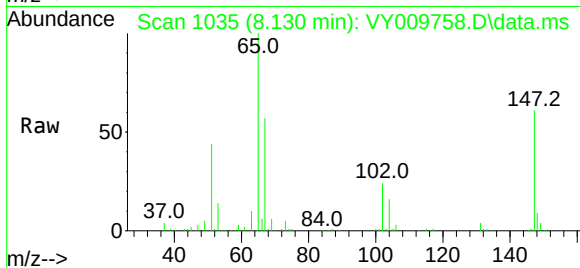
RVE-40

Tgt Ion: 65 Resp: 64672

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: VY009758.D

Acq: 28 Jul 2022 17:59

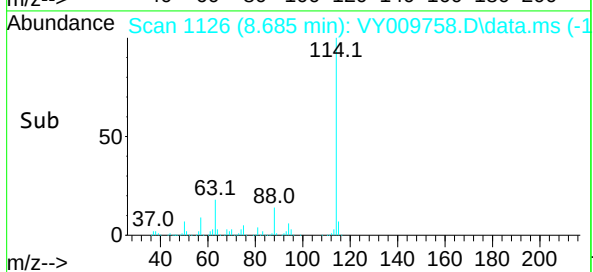
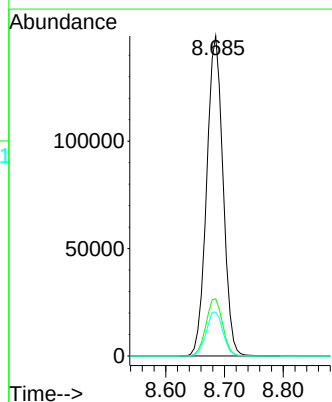
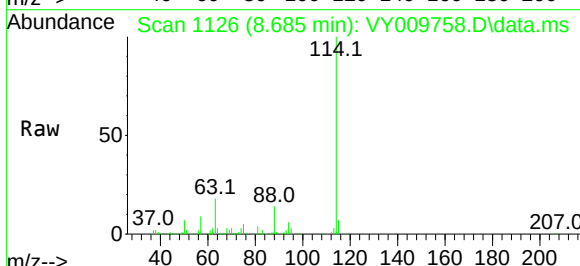
Tgt Ion: 114 Resp: 286950

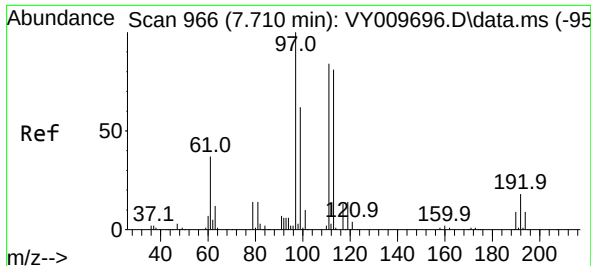
Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 13.7 0.0 31.8

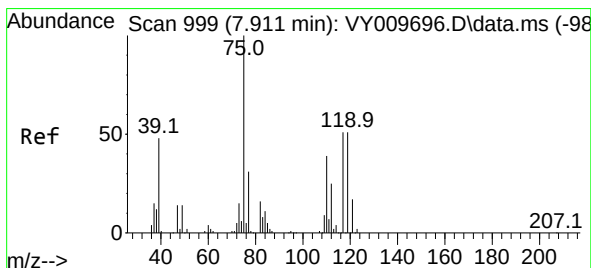
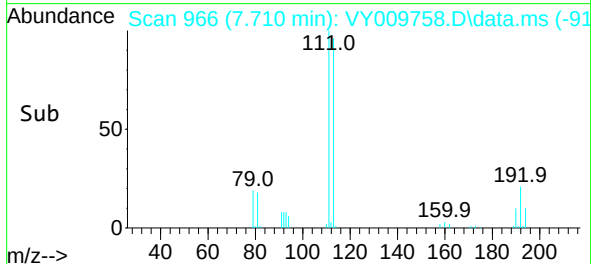
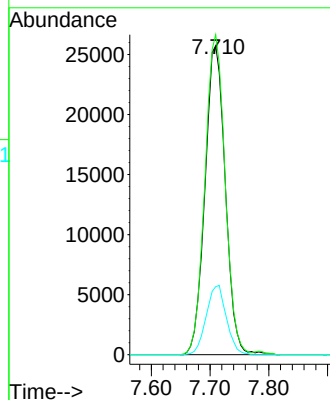
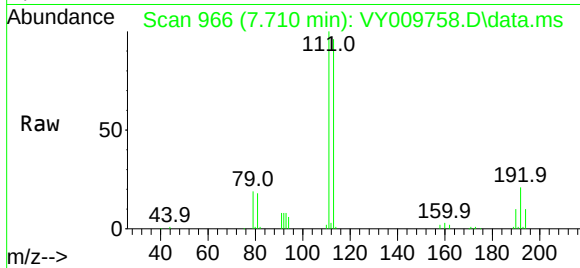




#35
Dibromofluoromethane
Concen: 39.664 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009758.D
Acq: 28 Jul 2022 17:59

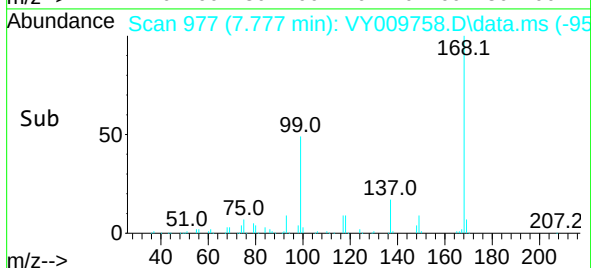
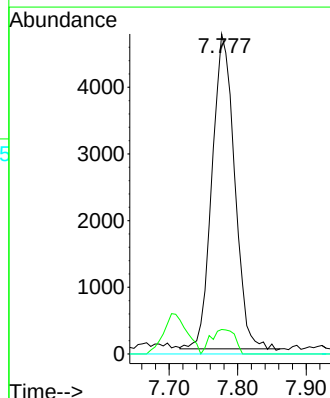
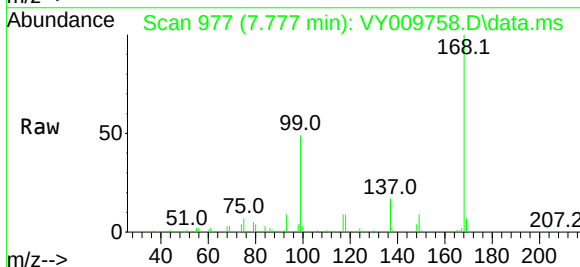
Instrument :
MSVOA_Y
ClientSampleId :
RVE-40

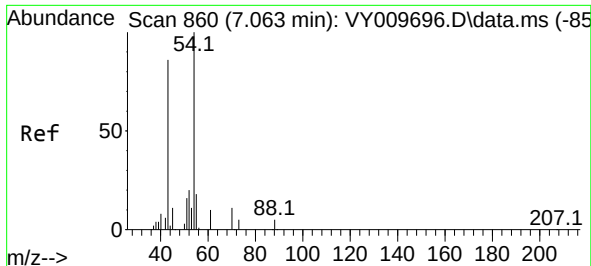
Tgt Ion:113 Resp: 61902
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 22.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.253 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009758.D
Acq: 28 Jul 2022 17:59

Tgt Ion: 75 Resp: 10801
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.037 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY009758.D

Acq: 28 Jul 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :

RVE-40

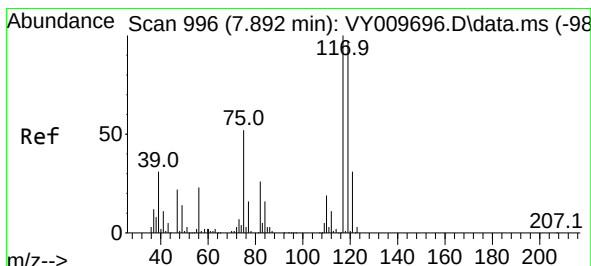
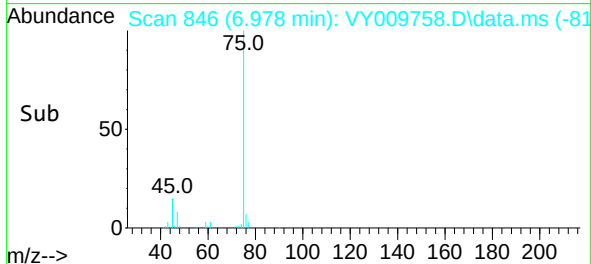
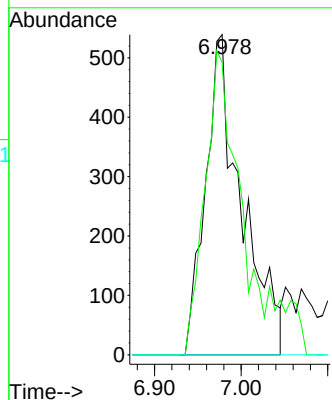
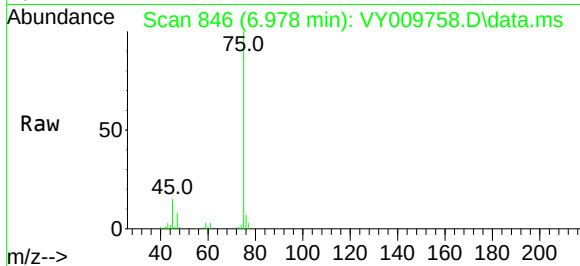
Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

43 100

61 88.5 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.167 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY009758.D

Acq: 28 Jul 2022 17:59

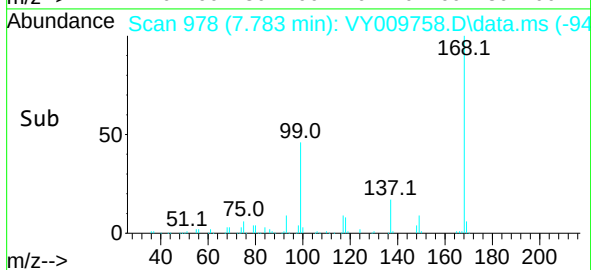
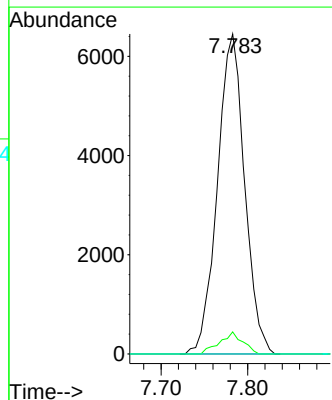
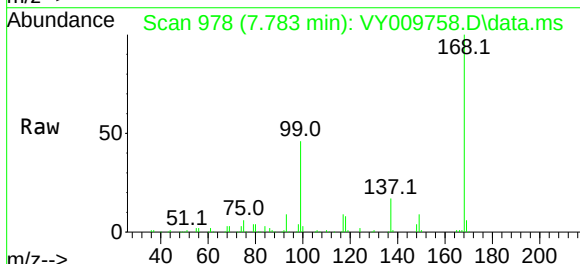
Tgt Ion: 117 Resp: 14059

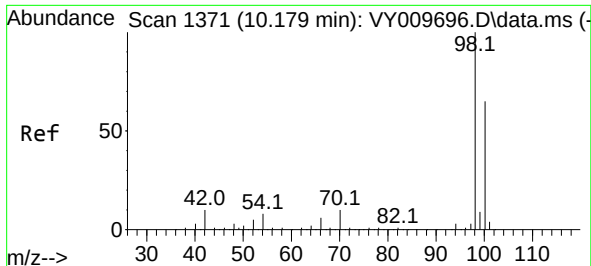
Ion Ratio Lower Upper

117 100

119 6.9 77.9 116.9#

121 0.0 24.8 37.2#

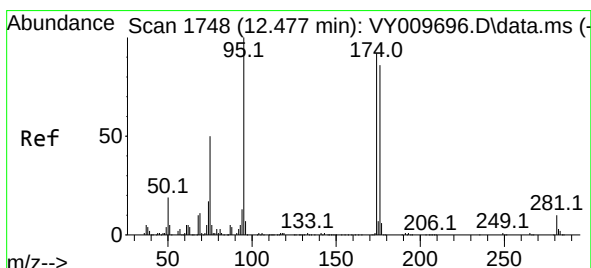
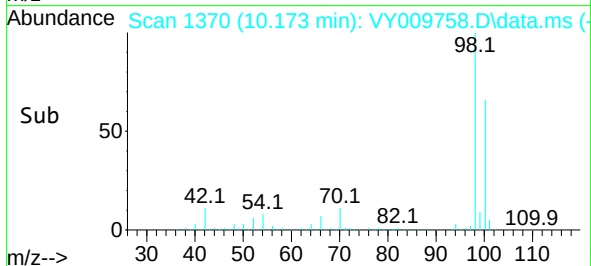
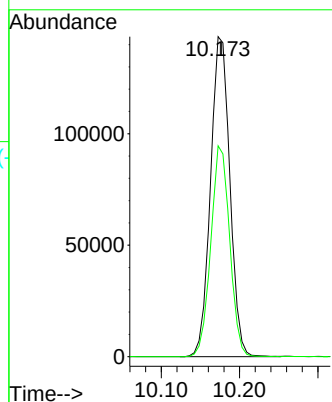
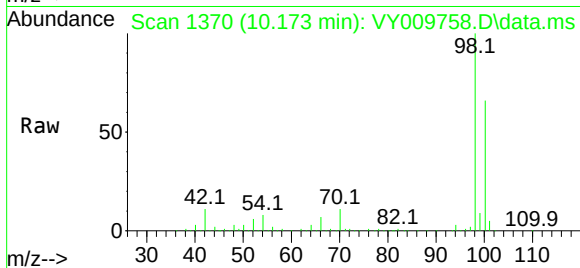




#50
Toluene-d8
Concen: 54.457 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009758.D
Acq: 28 Jul 2022 17:59

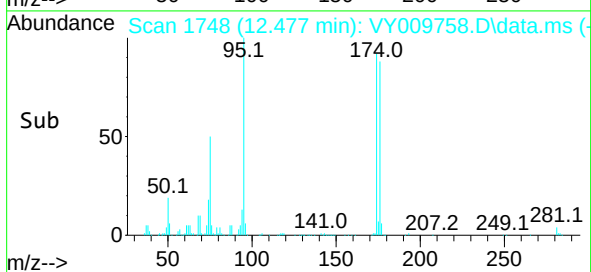
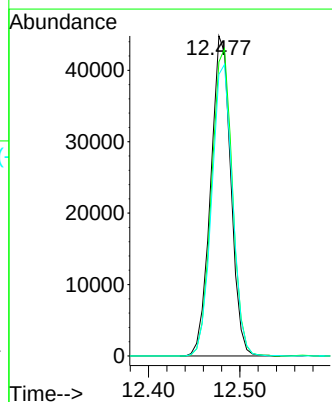
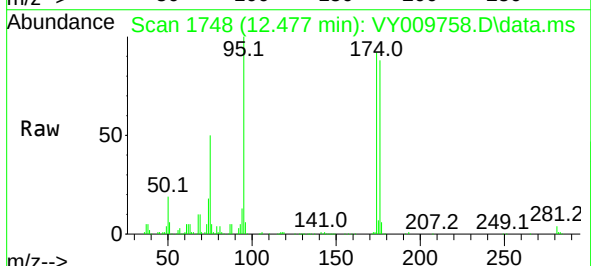
Instrument :
MSVOA_Y
ClientSampleId :
RVE-40

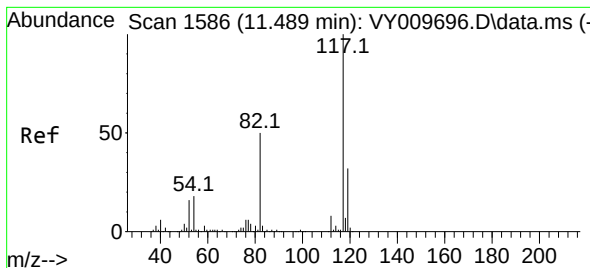
Tgt Ion: 98 Resp: 245798
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 33.031 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009758.D
Acq: 28 Jul 2022 17:59

Tgt Ion: 95 Resp: 68353
Ion Ratio Lower Upper
95 100
174 99.0 0.0 177.0
176 94.1 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009758.D

Acq: 28 Jul 2022 17:59

Instrument :

MSVOA_Y

ClientSampleId :

RVE-40

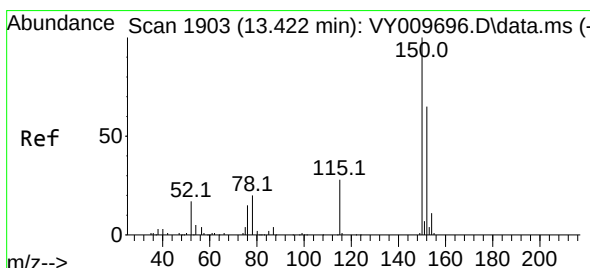
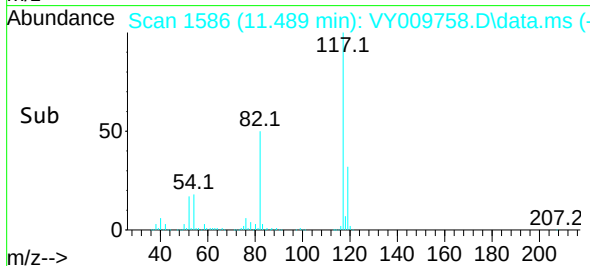
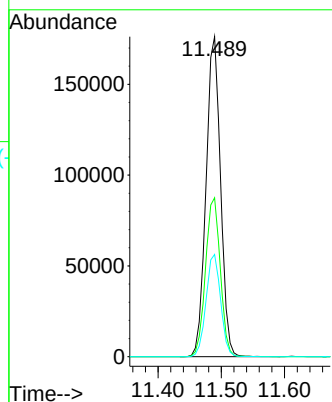
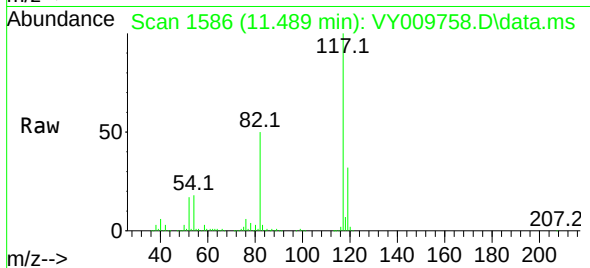
Tgt Ion:117 Resp: 281086

Ion Ratio Lower Upper

117 100

82 49.6 43.0 64.4

119 32.0 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: VY009758.D

Acq: 28 Jul 2022 17:59

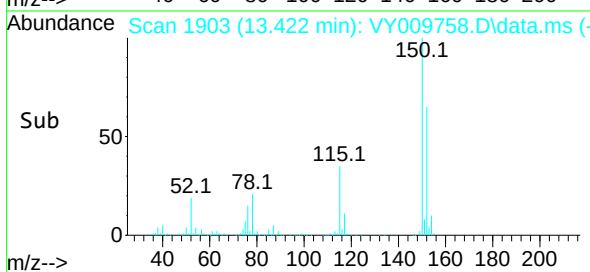
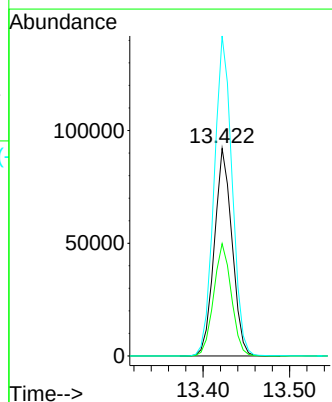
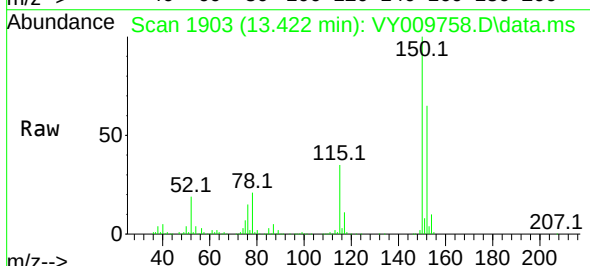
Tgt Ion:152 Resp: 130933

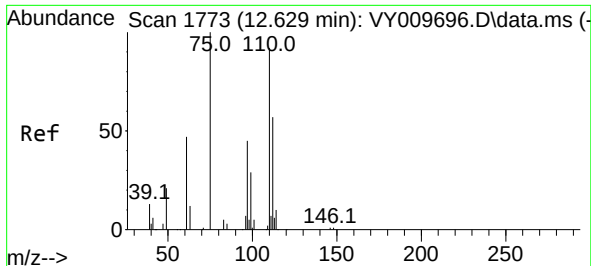
Ion Ratio Lower Upper

152 100

115 54.0 28.2 84.7

150 156.7 0.0 347.6

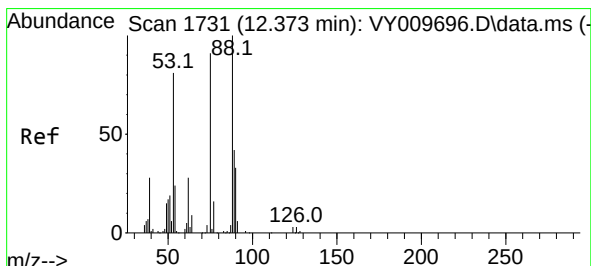
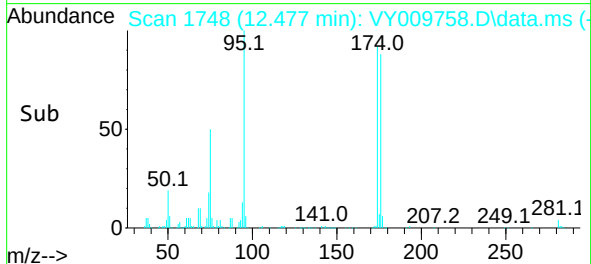
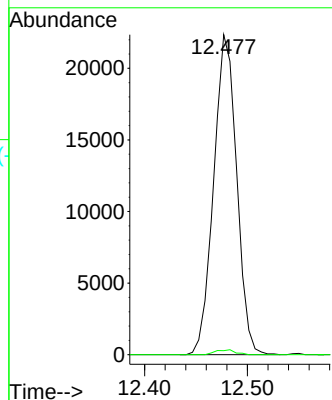
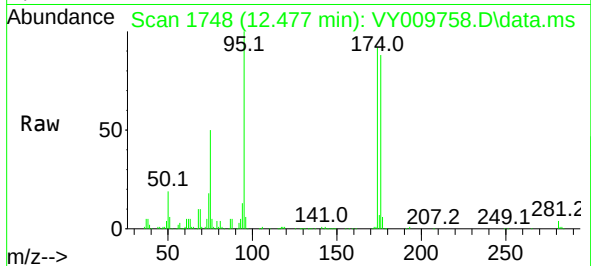




#76
1,2,3-Trichloropropane
Concen: 28.580 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009758.D
Acq: 28 Jul 2022 17:59

Instrument :
MSVOA_Y
ClientSampleId :
RVE-40

Tgt Ion: 75 Resp: 34758
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.968 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009758.D
Acq: 28 Jul 2022 17:59

Tgt Ion: 75 Resp: 34758
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

