

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080122\
 Data File : VY009806.D
 Acq On : 01 Aug 2022 18:59
 Operator : KP/MD
 Sample : N3960-04
 Misc : 2.83g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-152

Quant Time: Aug 02 01:42:19 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)

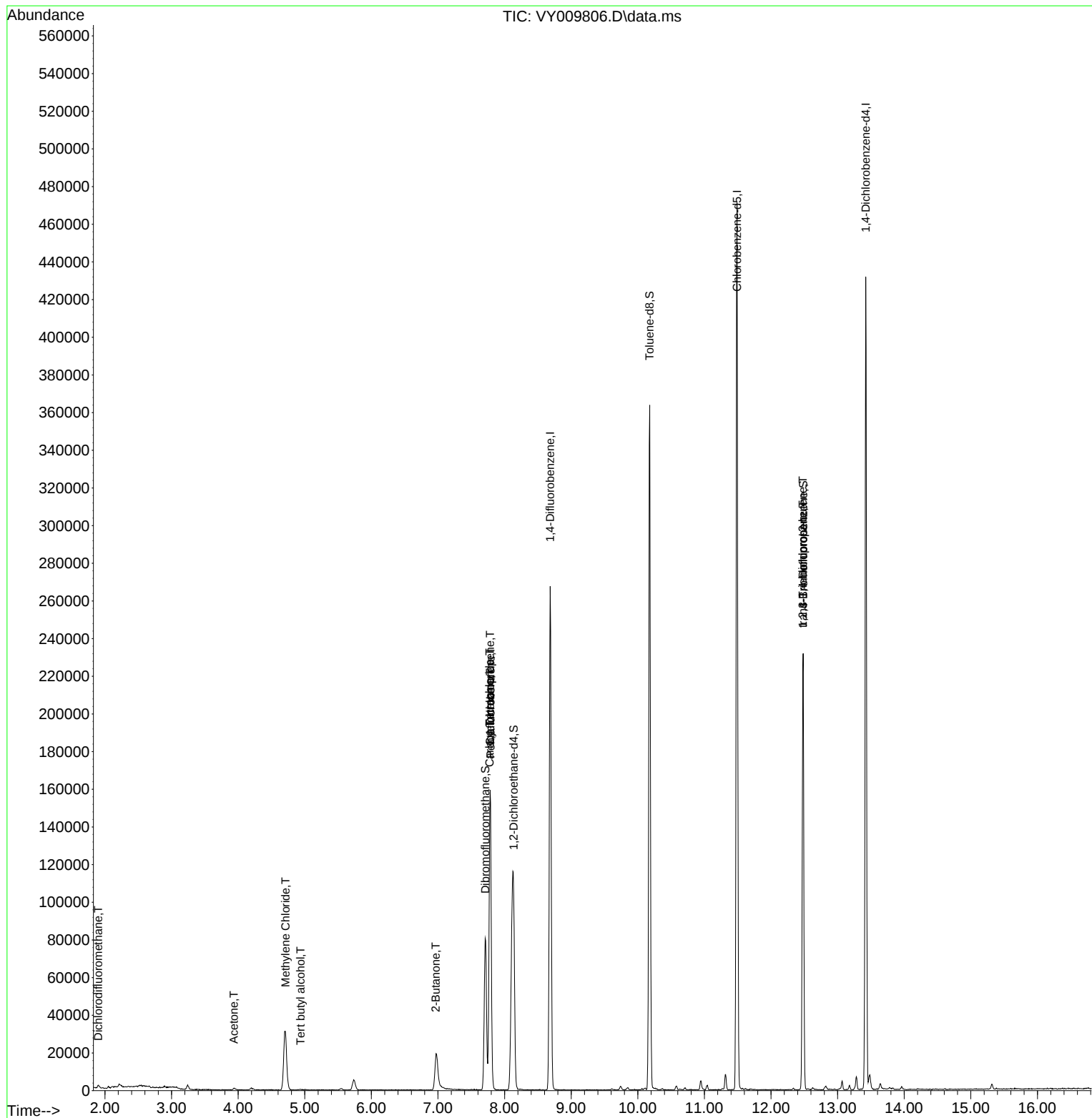
Internal Standards						
1) Pentafluorobenzene	7.789	168	132939	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	236353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	267615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	60491	70.477	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.960%	
35) Dibromofluoromethane	7.710	113	57436	44.681	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.360%	
50) Toluene-d8	10.179	98	239161	65.170	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 130.340%#	
62) 4-Bromofluorobenzene	12.483	95	64923	38.089	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 76.180%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	1288	1.088	ug/l	92
11) Tert butyl alcohol	4.936	59	479	2.857	ug/l #	77
16) Acetone	3.936	43	1557	4.899	ug/l	97
18) Methyl Acetate	4.472	43	264	Below Cal	#	56
20) Methylene Chloride	4.710	84	24533	7.931	ug/l #	83
25) 2-Butanone	6.966	43	1324	2.824	ug/l #	54
31) Cyclohexane	7.783	56	2260	1.068	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9331	4.461	ug/l #	49
38) Carbon Tetrachloride	7.777	117	12043	5.373	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	33504	32.126	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	33504	64.037	ug/l #	7

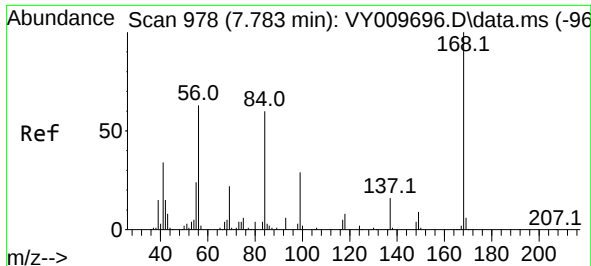
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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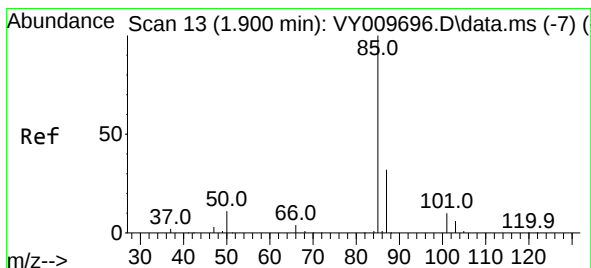
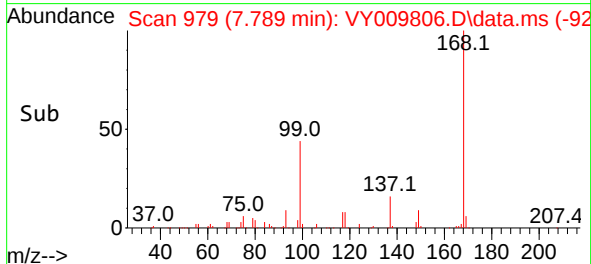
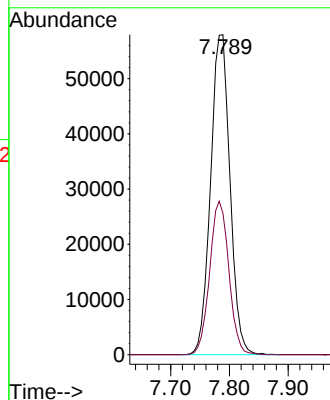
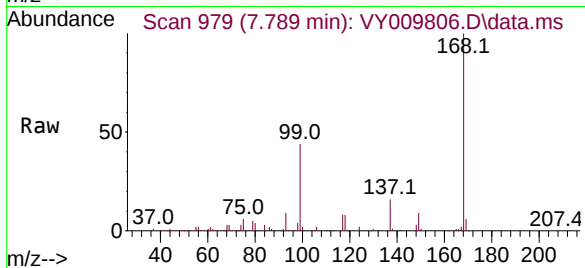




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009806.D
Acq: 01 Aug 2022 18:59

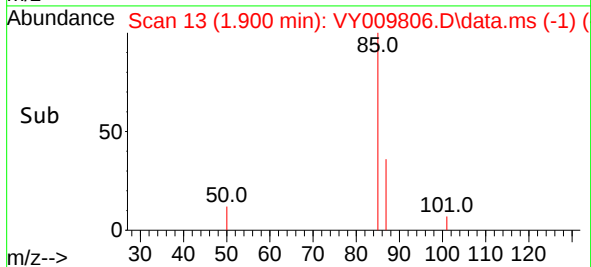
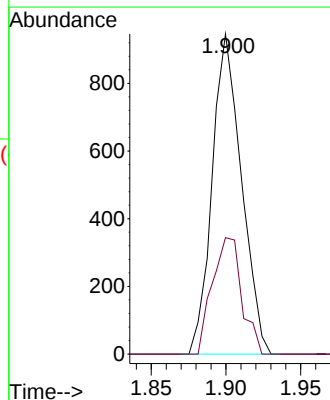
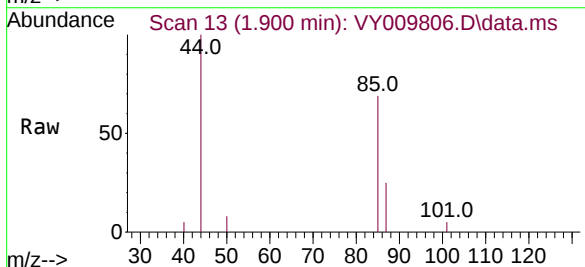
Instrument :
MSVOA_Y
ClientSampleId :
RVE-152

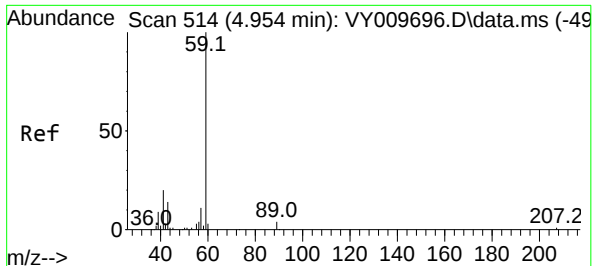
Tgt Ion:168 Resp: 132939
Ion Ratio Lower Upper
168 100
99 44.3 46.9 70.3#



#2
Dichlorodifluoromethane
Concen: 1.088 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009806.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 85 Resp: 1288
Ion Ratio Lower Upper
85 100
87 36.4 16.1 48.2





#11

Tert butyl alcohol

Concen: 2.857 ug/l

RT: 4.936 min Scan# 514

Delta R.T. -0.018 min

Lab File: VY009806.D

Acq: 01 Aug 2022 18:59

Instrument :

MSVOA_Y

ClientSampleId :

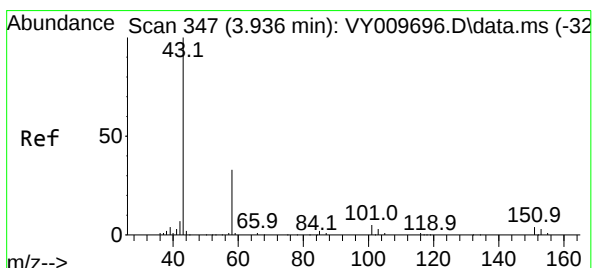
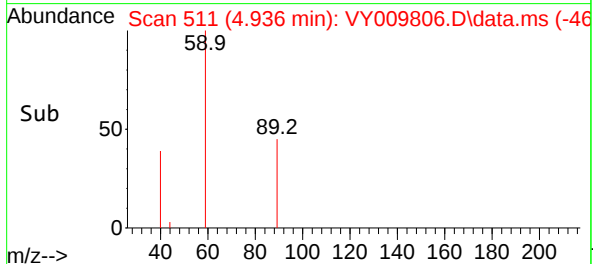
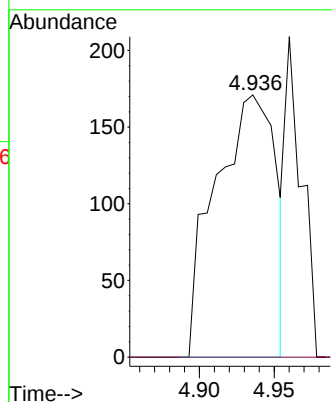
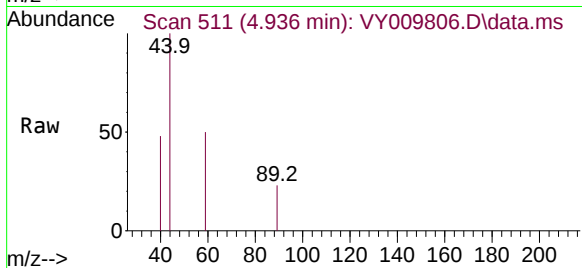
RVE-152

Tgt Ion: 59 Resp: 479

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 4.899 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY009806.D

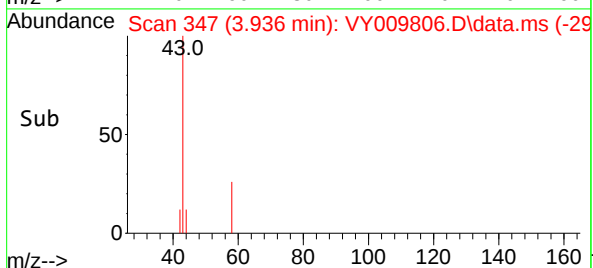
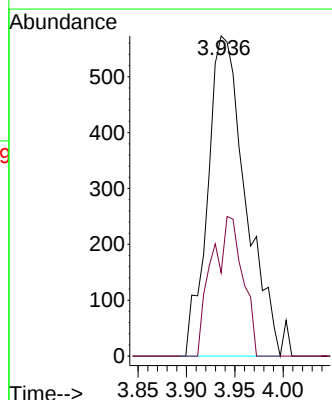
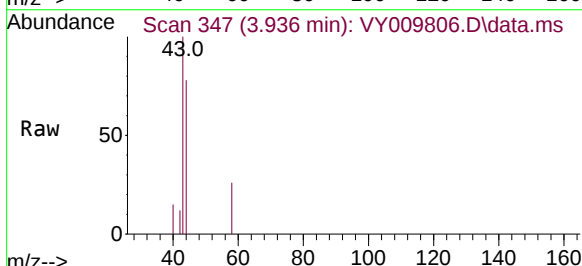
Acq: 01 Aug 2022 18:59

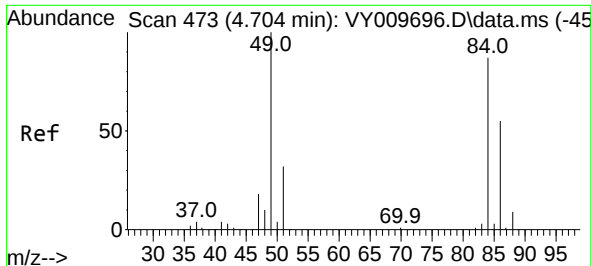
Tgt Ion: 43 Resp: 1557

Ion Ratio Lower Upper

43 100

58 26.0 22.0 33.0





#20

Methylene Chloride

Concen: 7.931 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY009806.D

Acq: 01 Aug 2022 18:59

Instrument :

MSVOA_Y

ClientSampleId :

RVE-152

Tgt Ion: 84 Resp: 24533

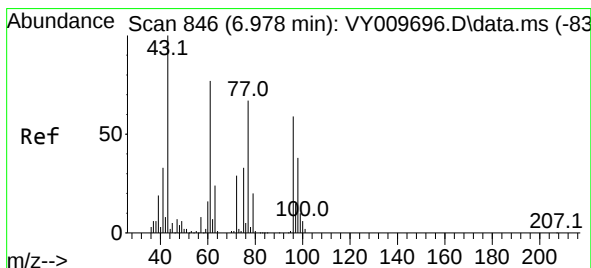
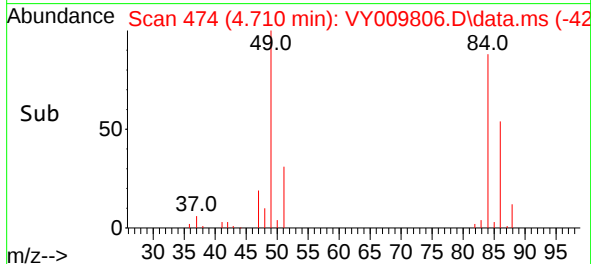
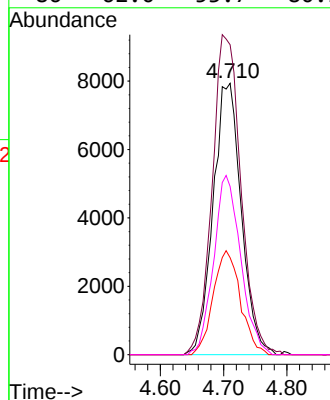
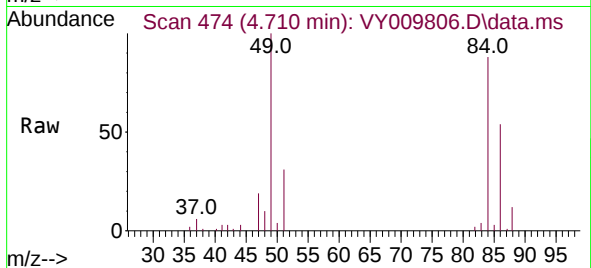
Ion Ratio Lower Upper

84 100

49 114.2 114.4 171.6#

51 35.7 35.3 52.9

86 62.0 53.7 80.5



#25

2-Butanone

Concen: 2.824 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY009806.D

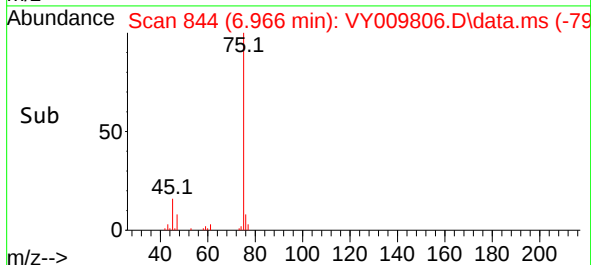
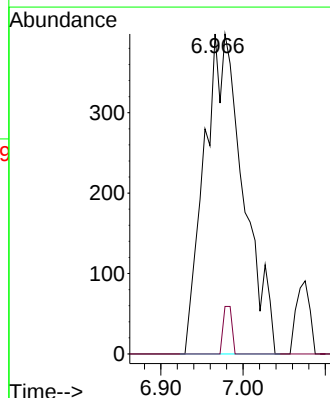
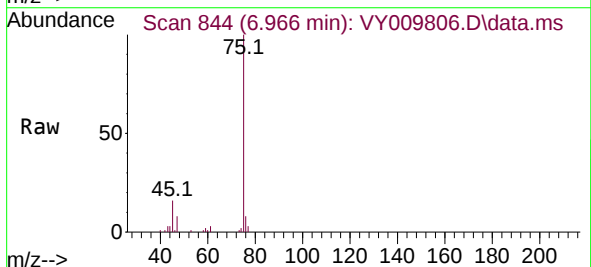
Acq: 01 Aug 2022 18:59

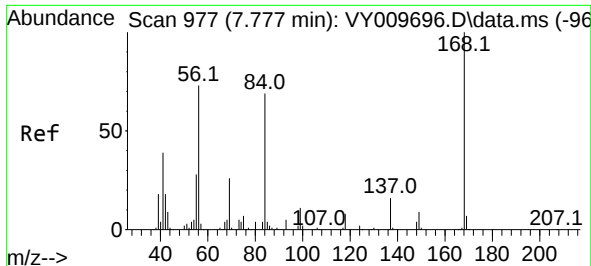
Tgt Ion: 43 Resp: 1324

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

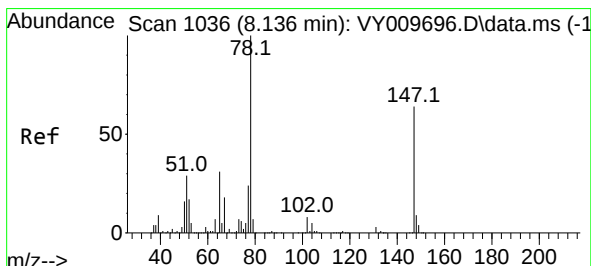
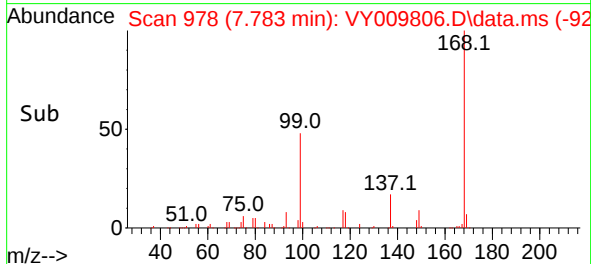
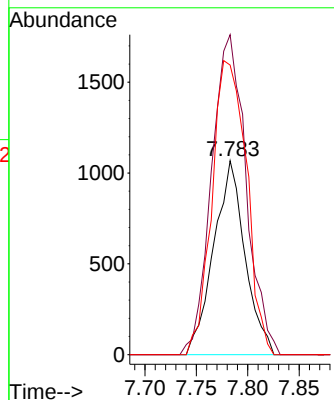
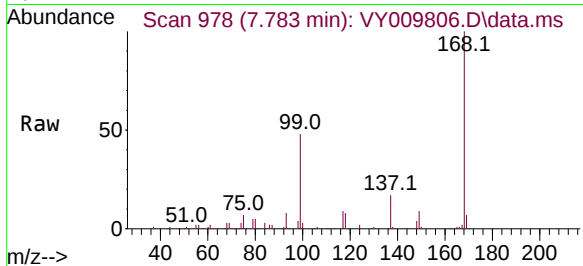




#31
Cyclohexane
Concen: 1.068 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009806.D
Acq: 01 Aug 2022 18:59

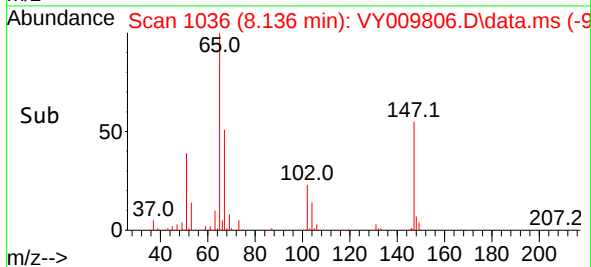
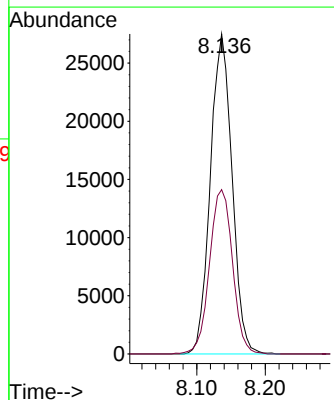
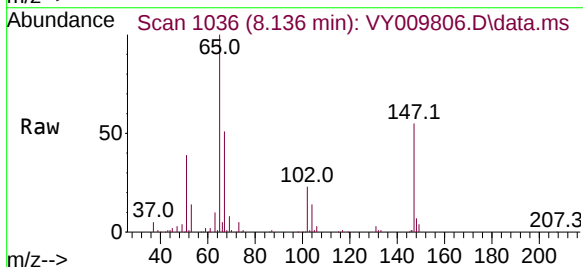
Instrument :
MSVOA_Y
ClientSampleId :
RVE-152

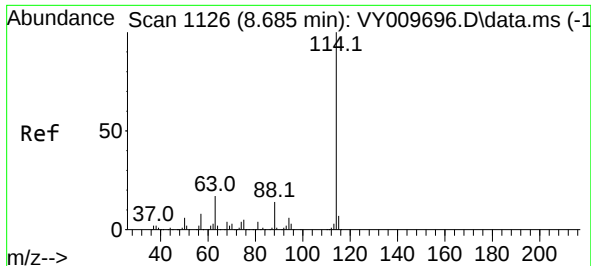
Tgt Ion: 56 Resp: 2260
Ion Ratio Lower Upper
56 100
69 165.0 26.7 40.1#
84 149.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.477 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009806.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 65 Resp: 60491
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: VY009806.D

Acq: 01 Aug 2022 18:59

Instrument :

MSVOA_Y

ClientSampleId :

RVE-152

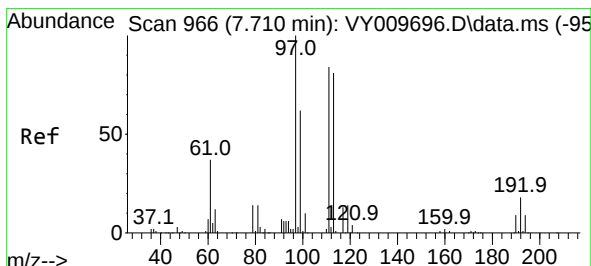
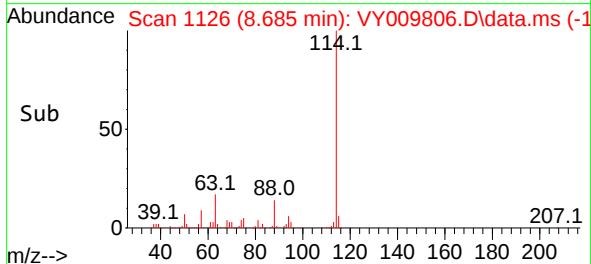
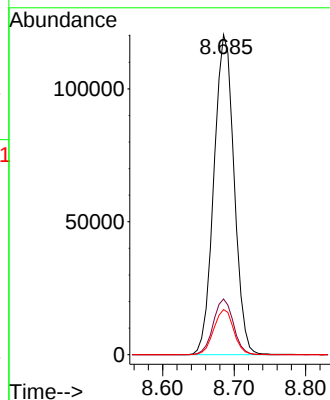
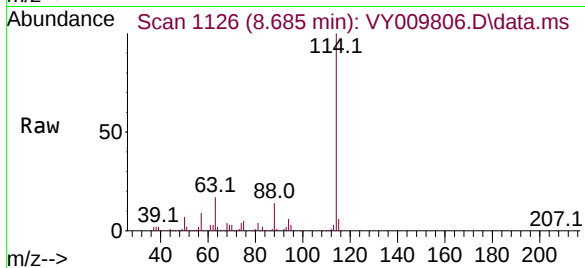
Tgt Ion:114 Resp: 236353

Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.681 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009806.D

Acq: 01 Aug 2022 18:59

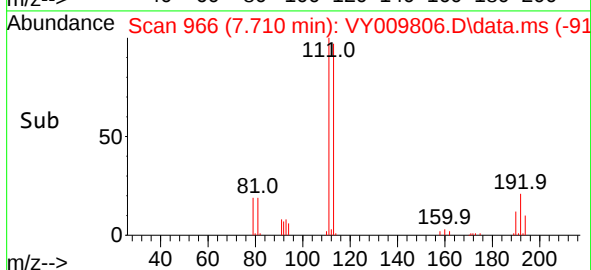
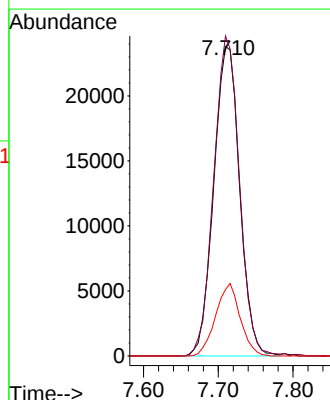
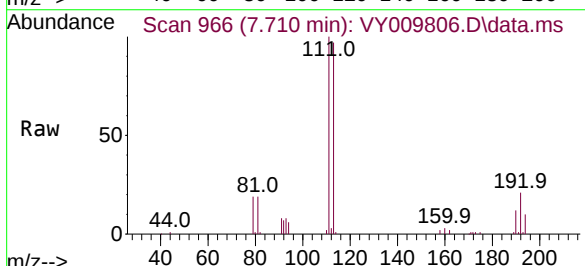
Tgt Ion:113 Resp: 57436

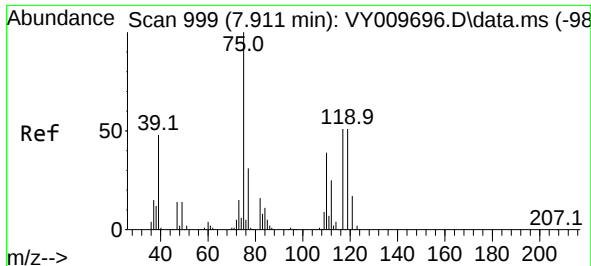
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 22.1 17.6 26.4

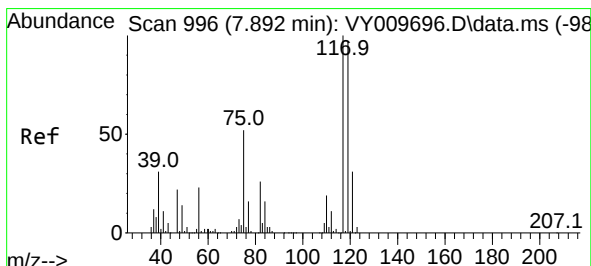
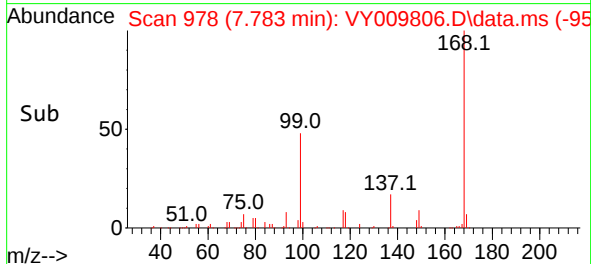
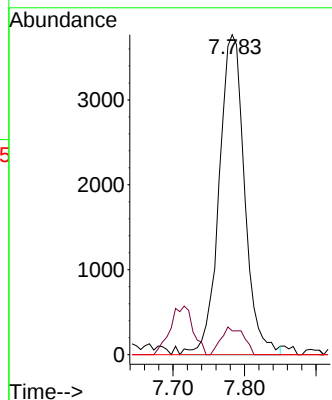
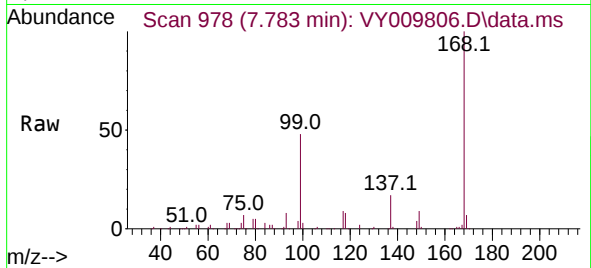




#36
1,1-Dichloropropene
Concen: 4.461 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009806.D
Acq: 01 Aug 2022 18:59

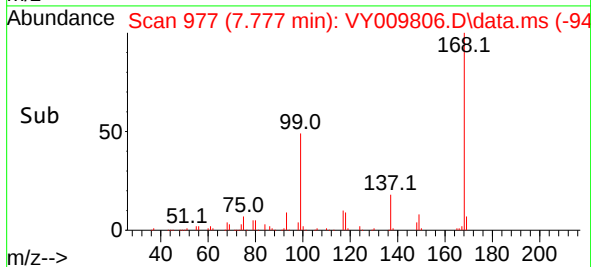
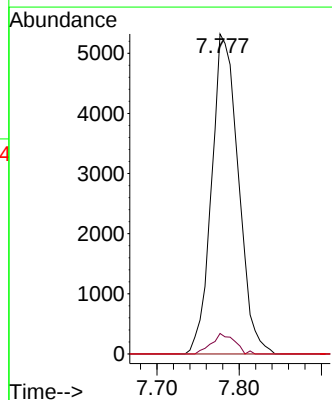
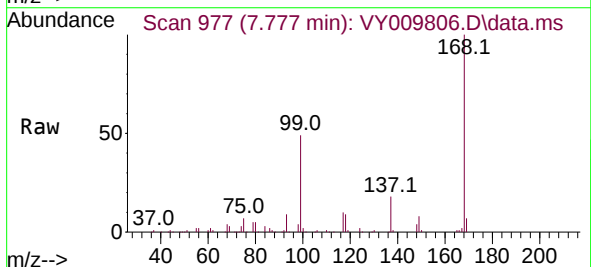
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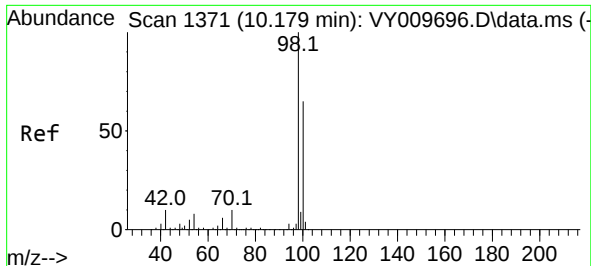
Tgt Ion: 75 Resp: 9331
Ion Ratio Lower Upper
75 100
110 7.6 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.373 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.115 min
Lab File: VY009806.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 117 Resp: 12043
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#

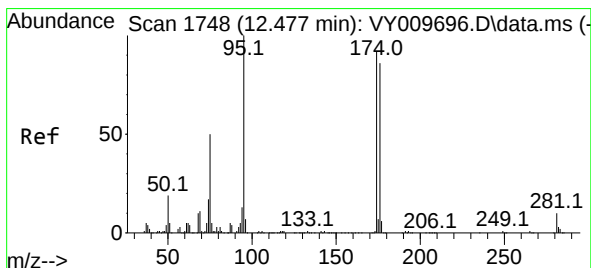
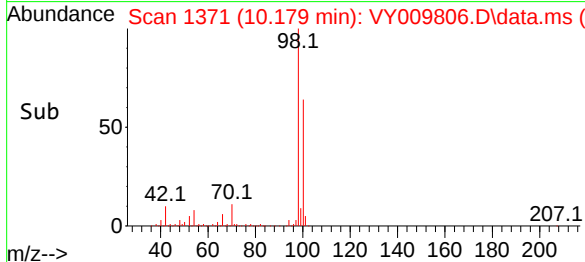
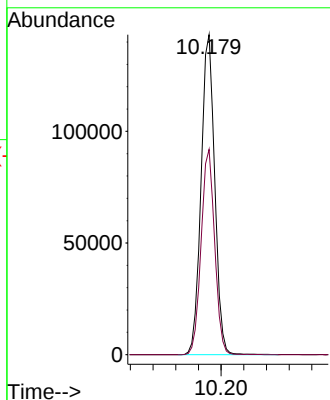
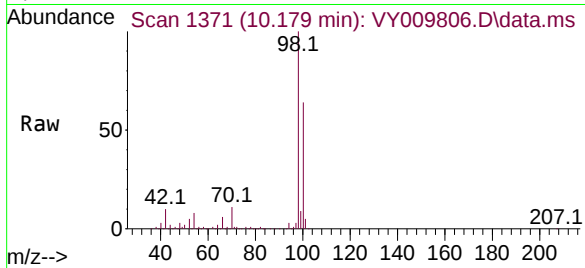




#50
Toluene-d8
Concen: 65.170 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009806.D
Acq: 01 Aug 2022 18:59

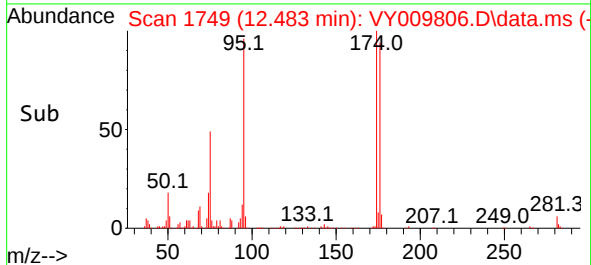
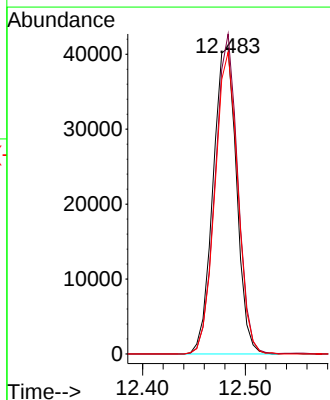
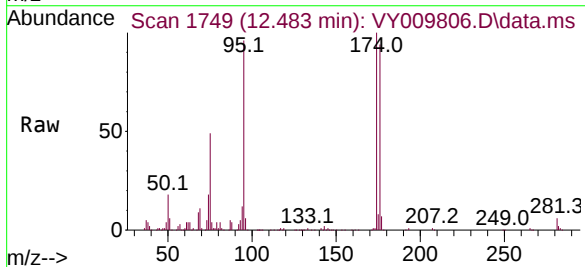
Instrument :
MSVOA_Y
ClientSampleId :
RVE-152

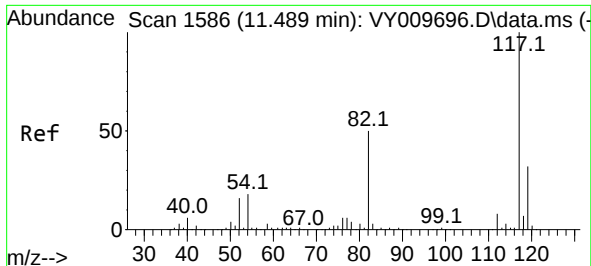
Tgt Ion: 98 Resp: 239161
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.089 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY009806.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 95 Resp: 64923
Ion Ratio Lower Upper
95 100
174 100.2 0.0 177.0
176 96.0 0.0 175.8

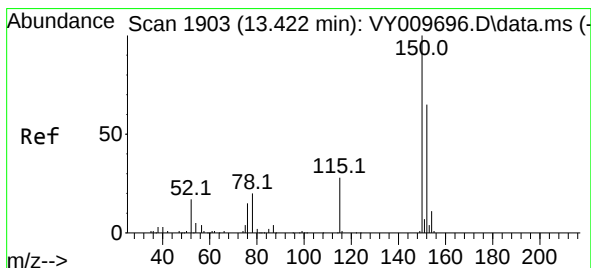
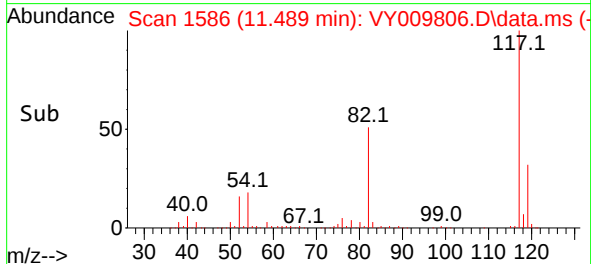
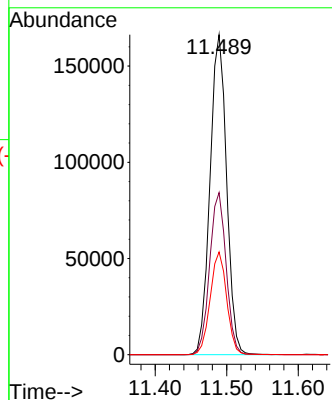
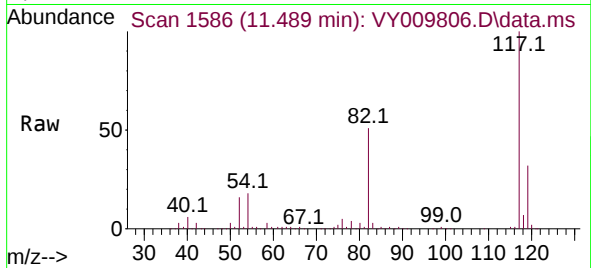




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY009806.D
Acq: 01 Aug 2022 18:59

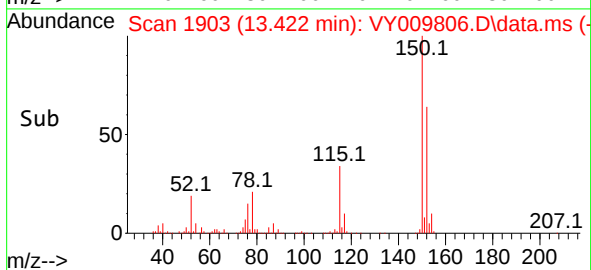
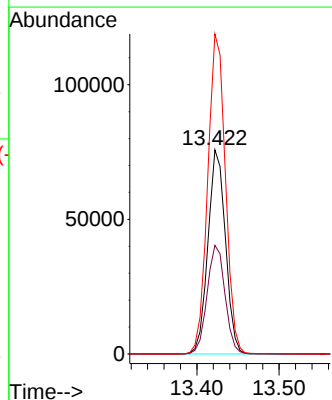
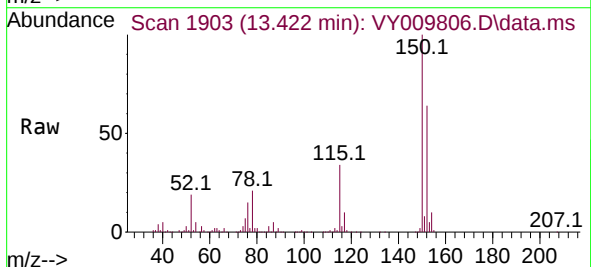
Instrument :
MSVOA_Y
ClientSampleId :
RVE-152

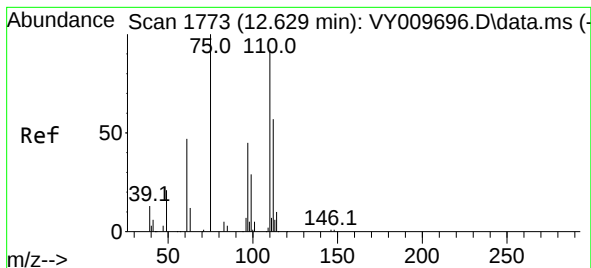
Tgt Ion:117 Resp: 267615
Ion Ratio Lower Upper
117 100
82 50.7 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009806.D
Acq: 01 Aug 2022 18:59

Tgt Ion:152 Resp: 112276
Ion Ratio Lower Upper
152 100
115 54.3 28.2 84.7
150 158.5 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 32.126 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009806.D

Acq: 01 Aug 2022 18:59

Instrument :

MSVOA_Y

ClientSampleId :

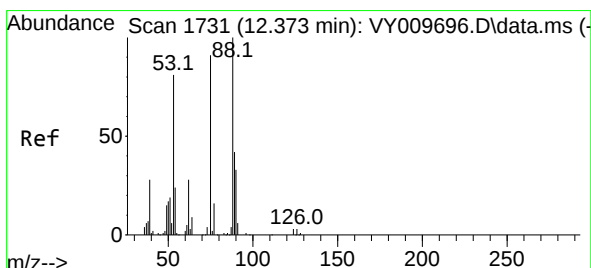
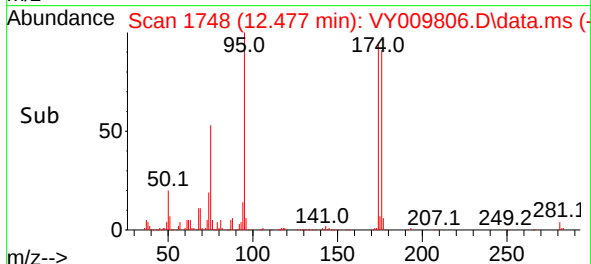
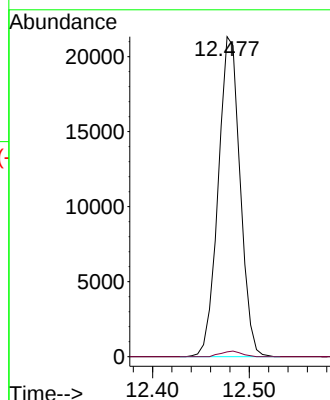
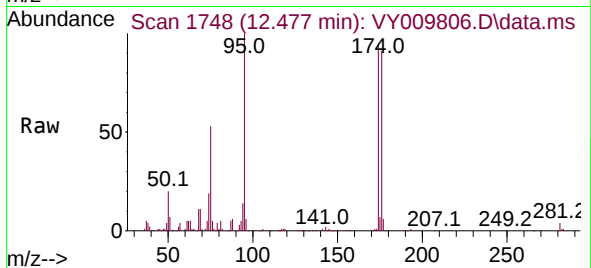
RVE-152

Tgt Ion: 75 Resp: 33504

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.037 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY009806.D

Acq: 01 Aug 2022 18:59

Tgt Ion: 75 Resp: 33504

Ion Ratio Lower Upper

75 100

53 0.1 85.3 127.9#

89 0.0 37.0 55.4#

