

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072922\
 Data File : VY009780.D
 Acq On : 29 Jul 2022 18:13
 Operator : KP/MD
 Sample : N3927-11
 Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-84

Quant Time: Aug 01 01:15:40 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)

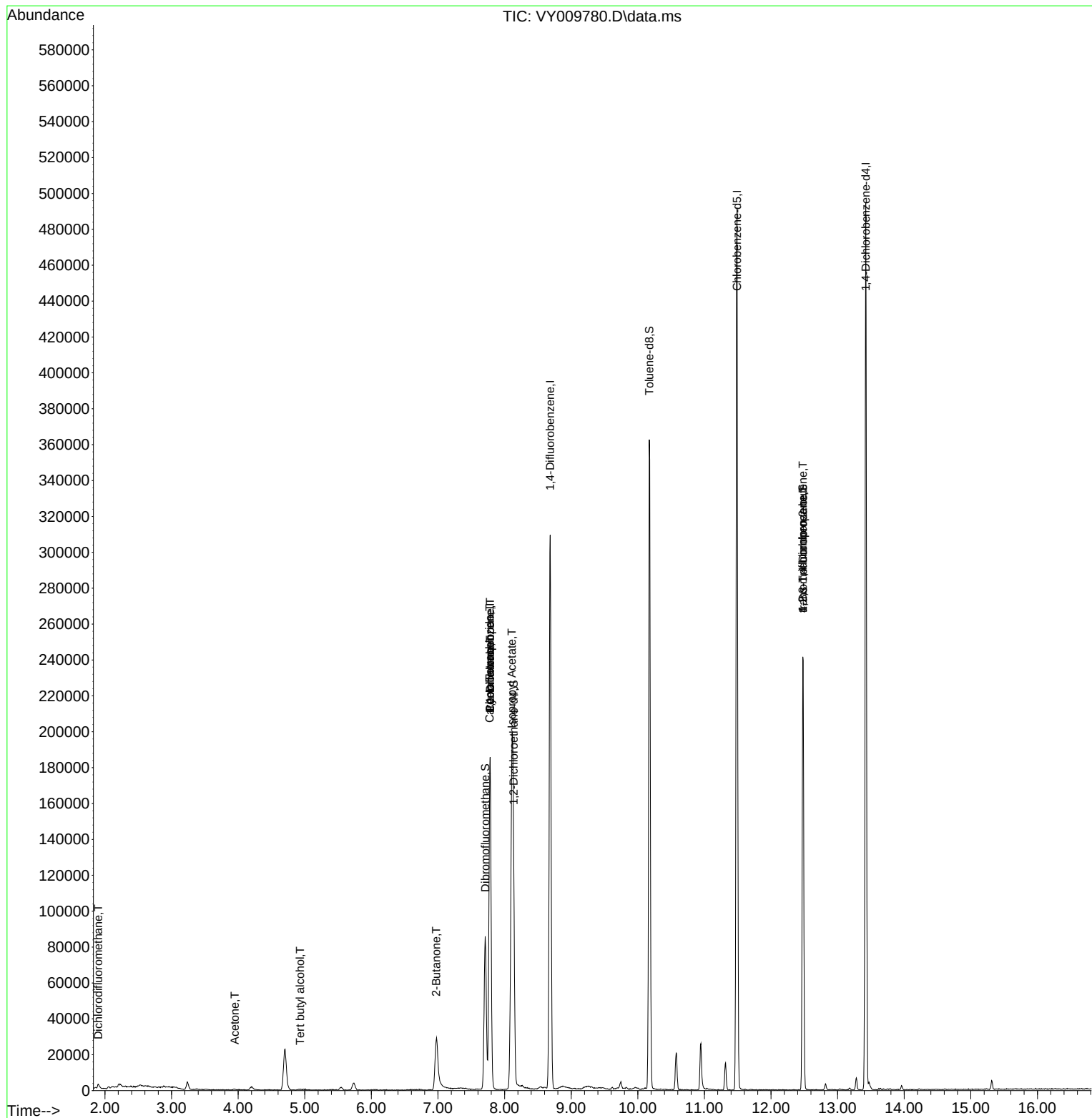
Internal Standards						
1) Pentafluorobenzene	7.783	168	154372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	272787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	278648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	128158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	62365	61.927	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.860%	
35) Dibromofluoromethane	7.710	113	58989	39.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.520%	
50) Toluene-d8	10.173	98	240055	56.073	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 112.140%	
62) 4-Bromofluorobenzene	12.477	95	67035	34.076	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 68.160%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	2057	1.497	ug/l	91
11) Tert butyl alcohol	4.930	59	456	2.195	ug/l #	77
16) Acetone	3.948	43	796	2.157	ug/l #	72
18) Methyl Acetate	4.454	43	142	Below Cal	#	56
25) 2-Butanone	6.972	43	1772	3.254	ug/l #	84
31) Cyclohexane	7.783	56	2633	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	10677	4.423	ug/l #	50
38) Carbon Tetrachloride	7.777	117	13448	5.199	ug/l #	16
43) Isopropyl Acetate	8.106	43	3737	1.495	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	34127	28.668	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	34127	57.145	ug/l #	7

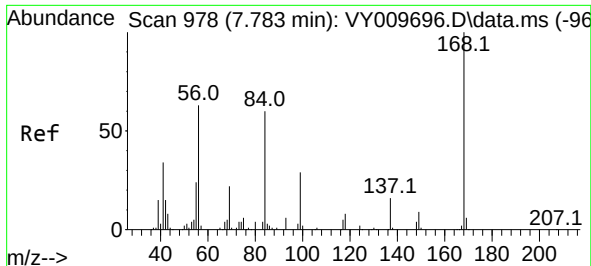
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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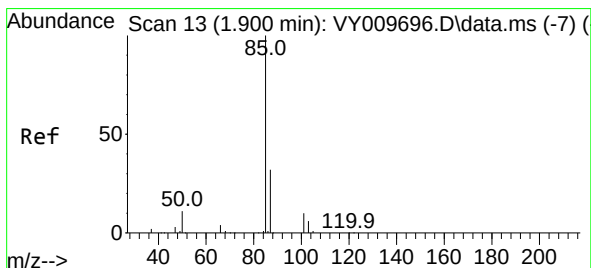
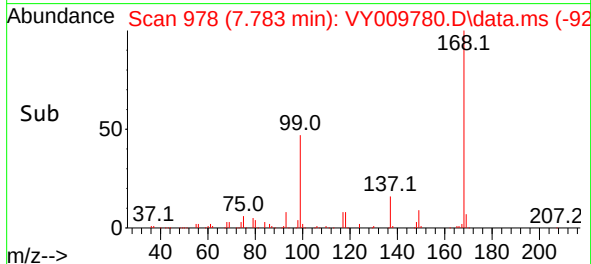
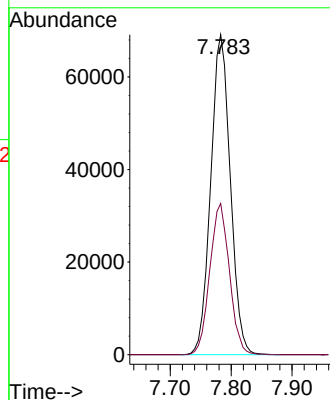
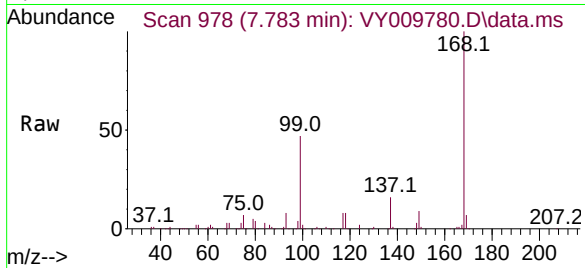




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009780.D
Acq: 29 Jul 2022 18:13

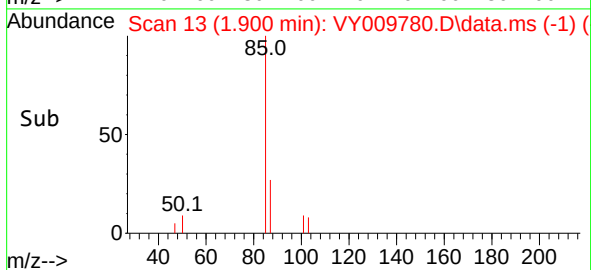
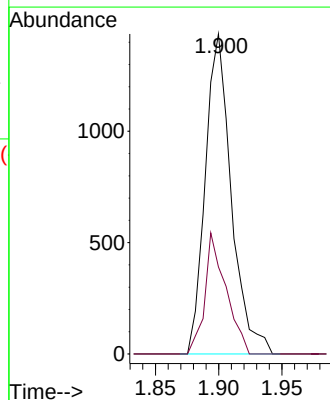
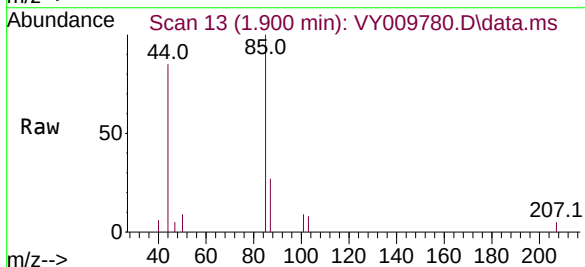
Instrument :
MSVOA_Y
ClientSampleId :
RVE-84

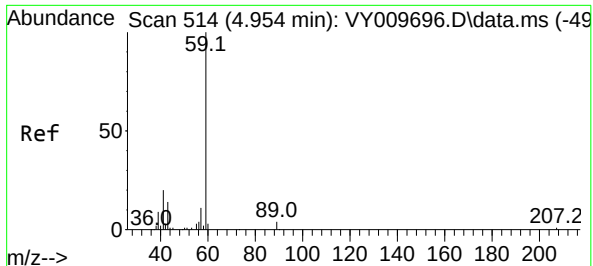
Tgt Ion:168 Resp: 154372
Ion Ratio Lower Upper
168 100
99 47.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.497 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009780.D
Acq: 29 Jul 2022 18:13

Tgt Ion: 85 Resp: 2057
Ion Ratio Lower Upper
85 100
87 27.2 16.1 48.2

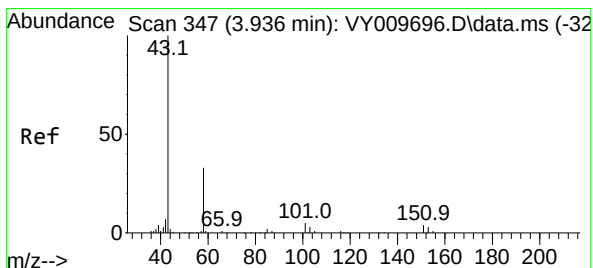
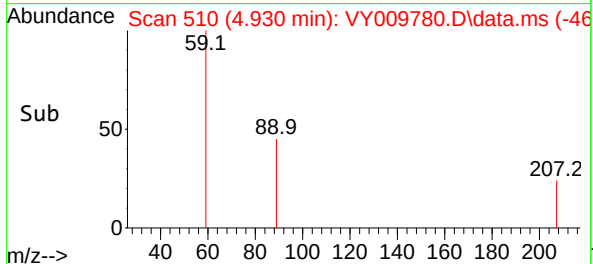
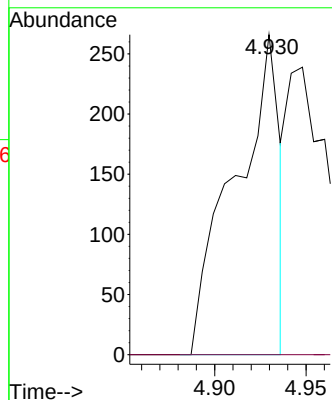
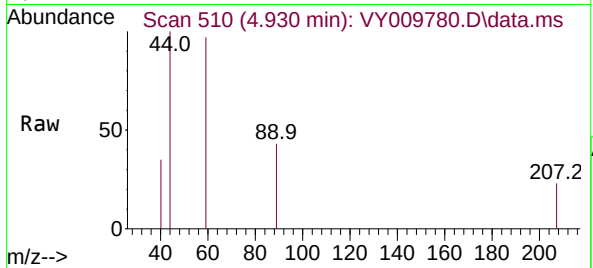




#11
Tert butyl alcohol
Concen: 2.195 ug/l
RT: 4.930 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY009780.D
Acq: 29 Jul 2022 18:13

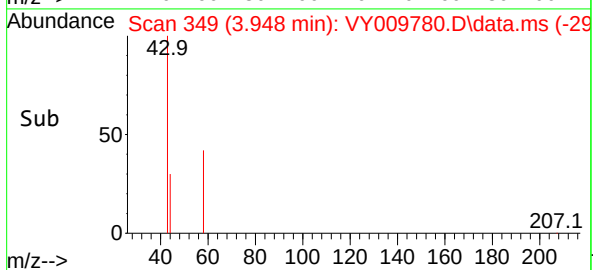
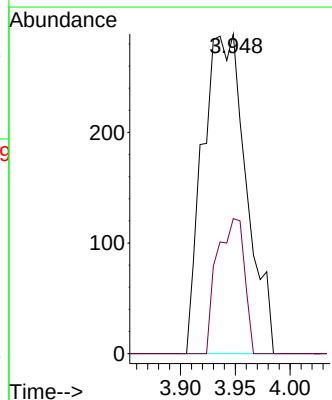
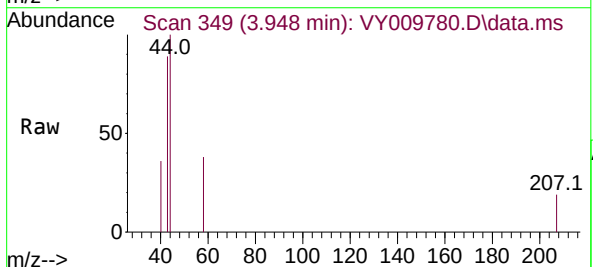
Instrument :
MSVOA_Y
ClientSampleId :
RVE-84

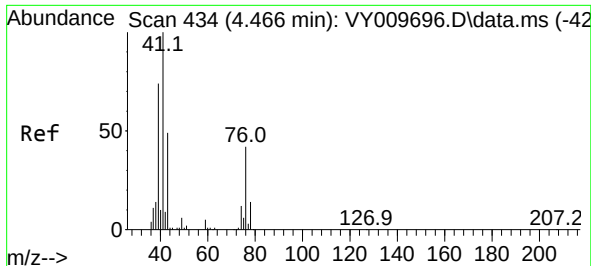
Tgt Ion: 59 Resp: 456
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 2.157 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY009780.D
Acq: 29 Jul 2022 18:13

Tgt Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
58 42.2 22.0 33.0#

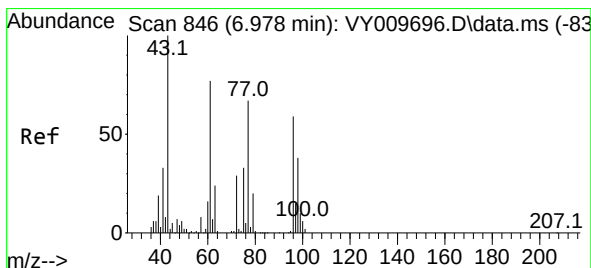
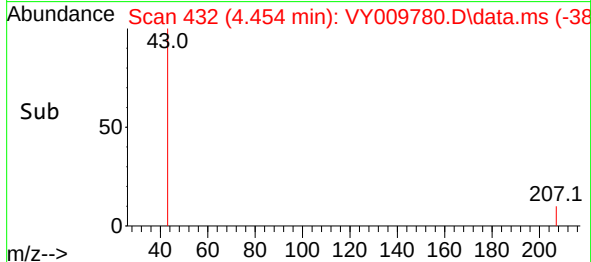
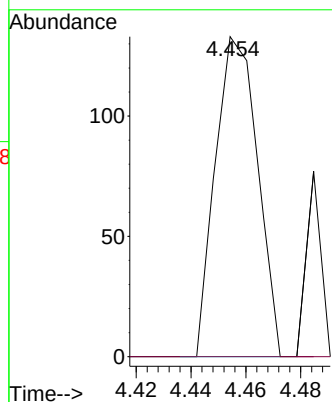
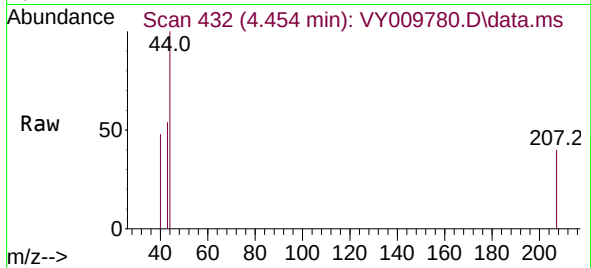




#18
Methyl Acetate
Concen: Below Cal
RT: 4.454 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY009780.D
Acq: 29 Jul 2022 18:13

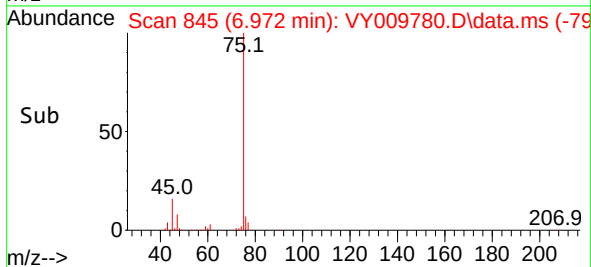
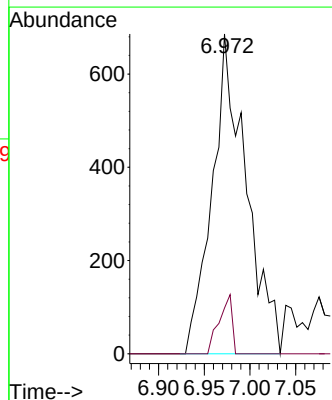
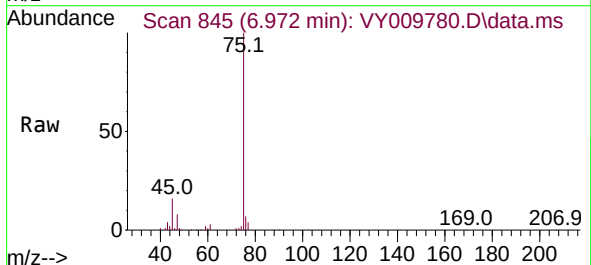
Instrument :
MSVOA_Y
ClientSampleId :
RVE-84

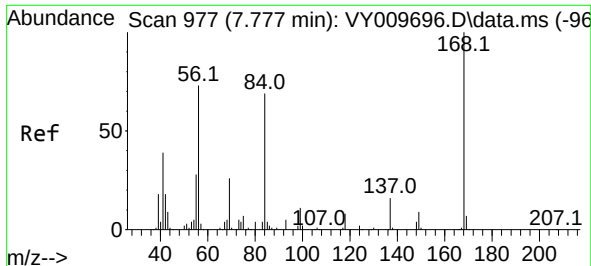
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#25
2-Butanone
Concen: 3.254 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009780.D
Acq: 29 Jul 2022 18:13

Tgt Ion: 43 Resp: 1772
Ion Ratio Lower Upper
43 100
72 14.3 17.7 26.5#

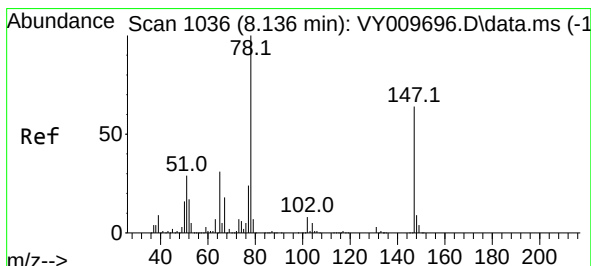
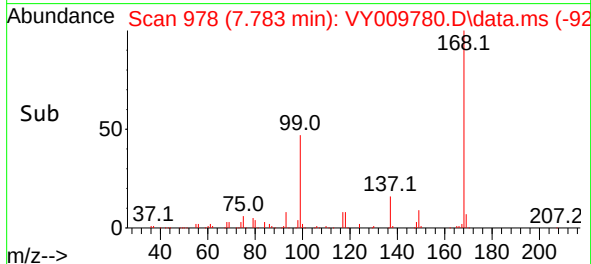
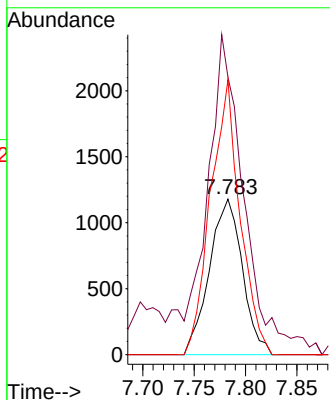
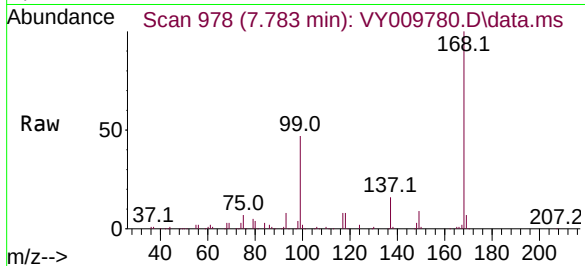




#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009780.D
Acq: 29 Jul 2022 18:13

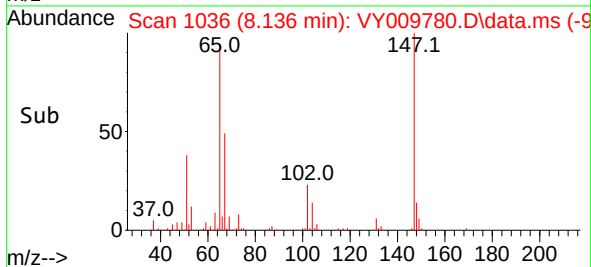
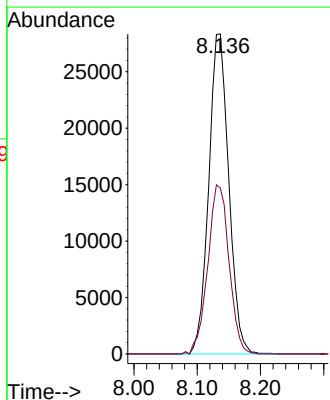
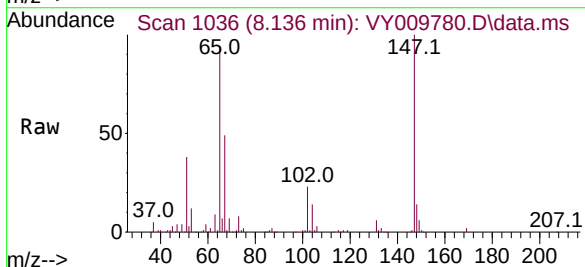
Instrument :
MSVOA_Y
ClientSampleId :
RVE-84

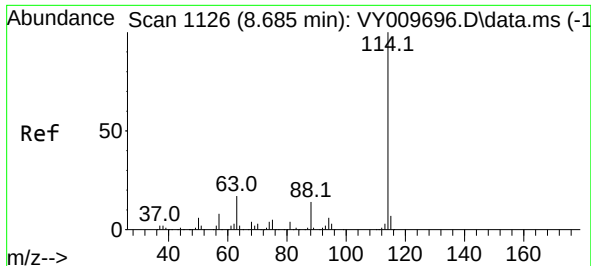
Tgt Ion: 56 Resp: 2633
Ion Ratio Lower Upper
56 100
69 164.5 26.7 40.1#
84 176.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 61.927 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009780.D
Acq: 29 Jul 2022 18:13

Tgt Ion: 65 Resp: 62365
Ion Ratio Lower Upper
65 100
67 56.0 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: VY009780.D

Acq: 29 Jul 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

RVE-84

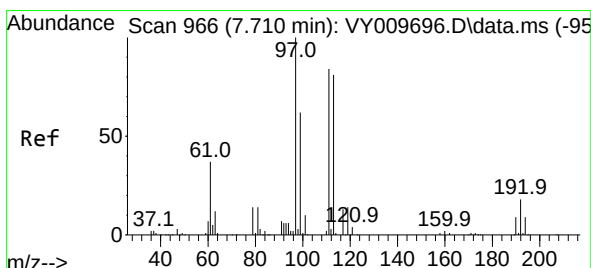
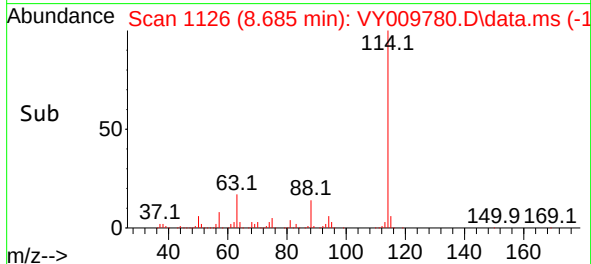
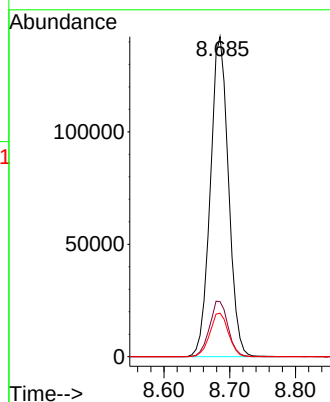
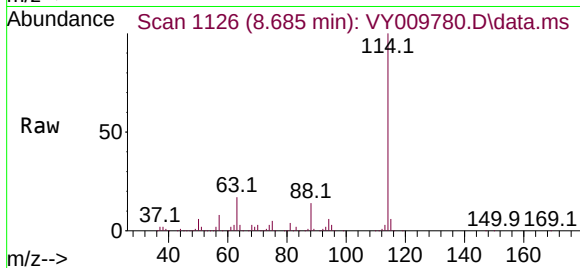
Tgt Ion:114 Resp: 272787

Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 13.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 39.760 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009780.D

Acq: 29 Jul 2022 18:13

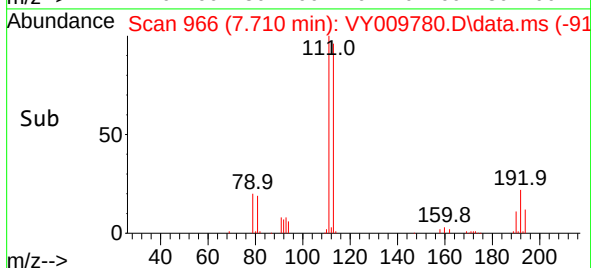
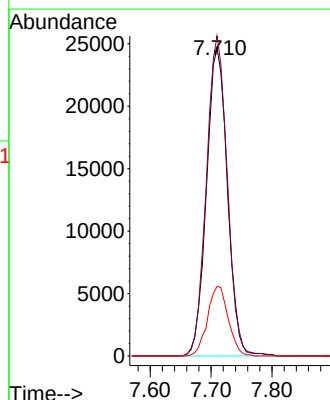
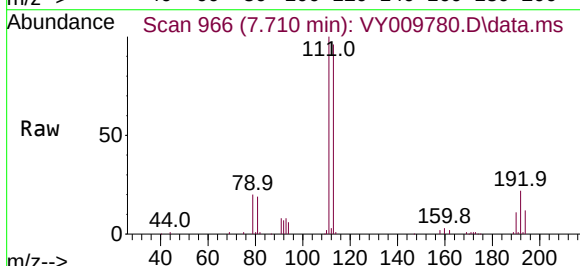
Tgt Ion:113 Resp: 58989

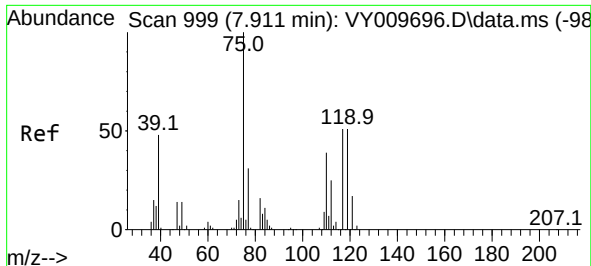
Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 22.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.423 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009780.D

Acq: 29 Jul 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

RVE-84

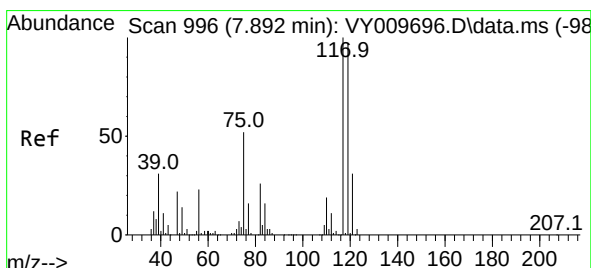
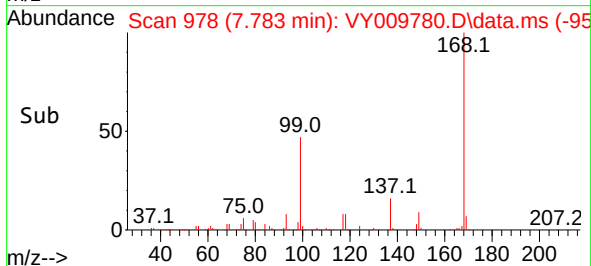
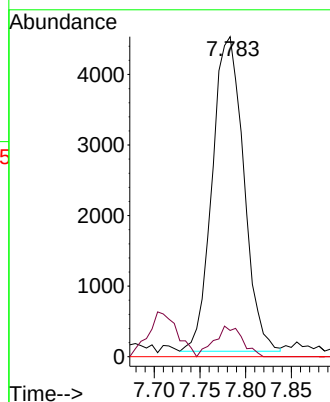
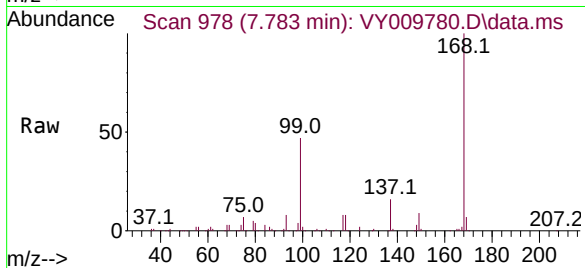
Tgt Ion: 75 Resp: 10677

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.199 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.115 min

Lab File: VY009780.D

Acq: 29 Jul 2022 18:13

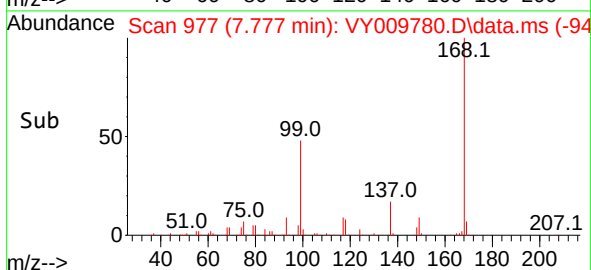
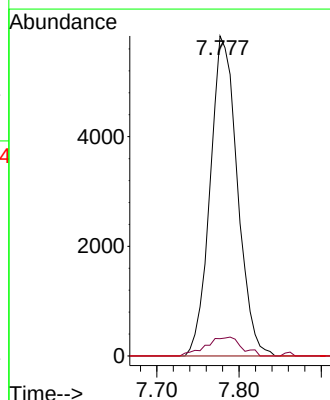
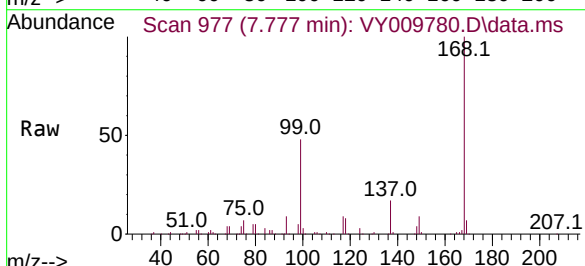
Tgt Ion: 117 Resp: 13448

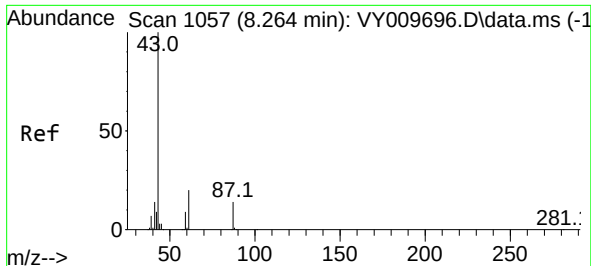
Ion Ratio Lower Upper

117 100

119 5.4 77.9 116.9#

121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 1.495 ug/l

RT: 8.106 min Scan# 1031

Delta R.T. -0.158 min

Lab File: VY009780.D

Acq: 29 Jul 2022 18:13

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RVE-84

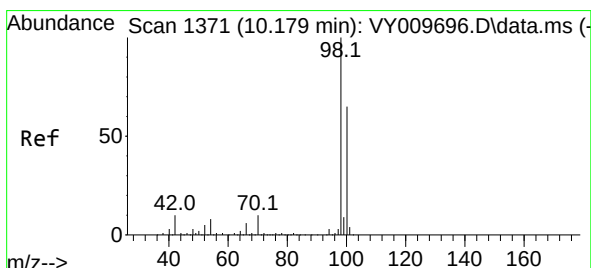
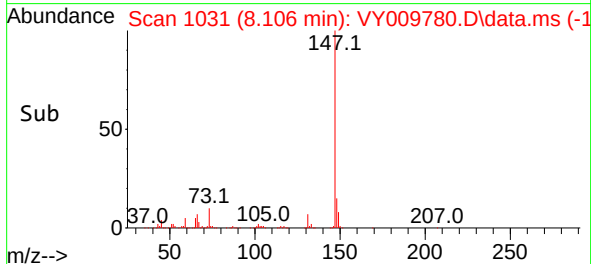
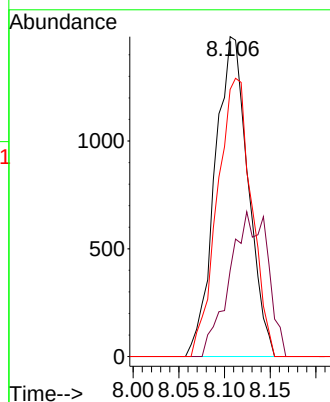
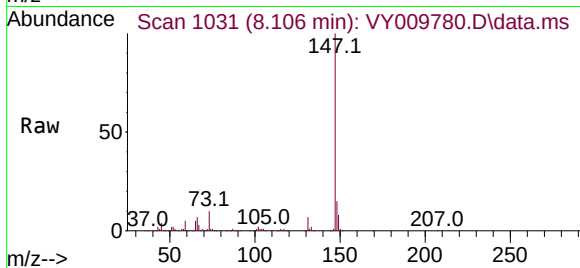
Tgt Ion: 43 Resp: 3737

Ion Ratio Lower Upper

43 100

61 51.9 20.2 30.2#

87 89.8 8.9 13.3#



#50

Toluene-d8

Concen: 56.073 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY009780.D

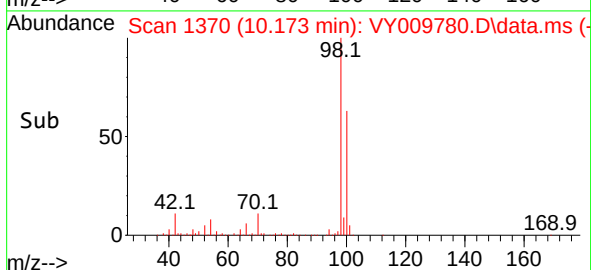
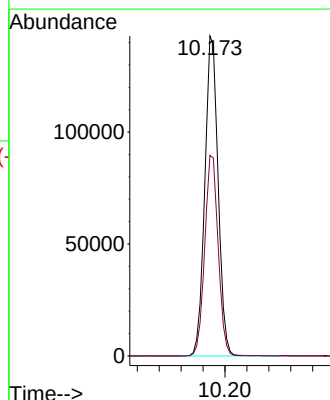
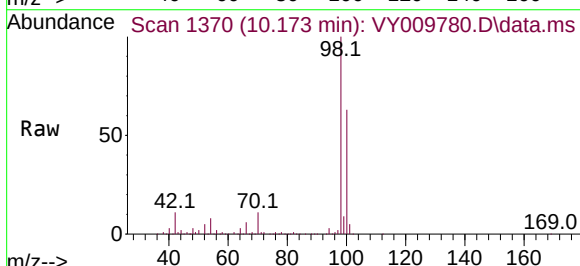
Acq: 29 Jul 2022 18:13

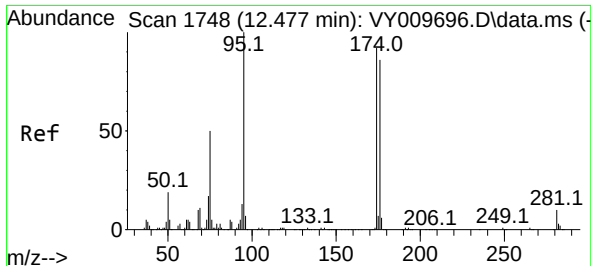
Tgt Ion: 98 Resp: 240055

Ion Ratio Lower Upper

98 100

100 63.4 50.2 75.2

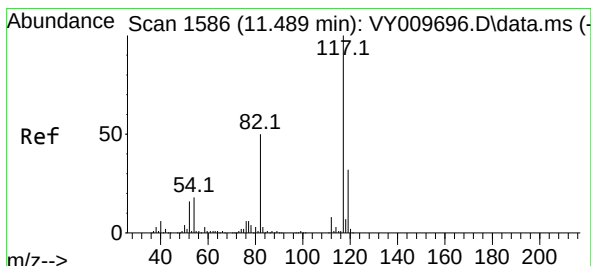
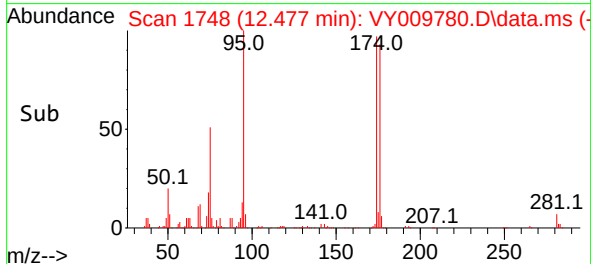
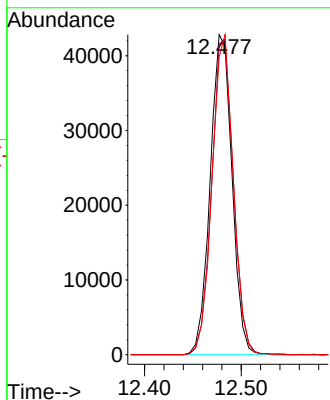
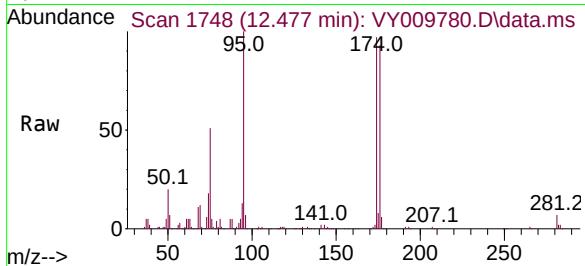




#62
4-Bromofluorobenzene
Concen: 34.076 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009780.D
Acq: 29 Jul 2022 18:13

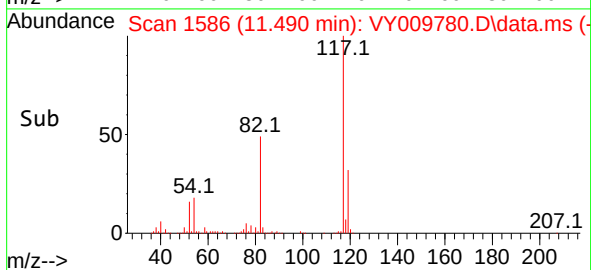
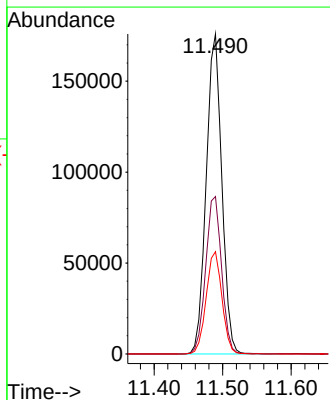
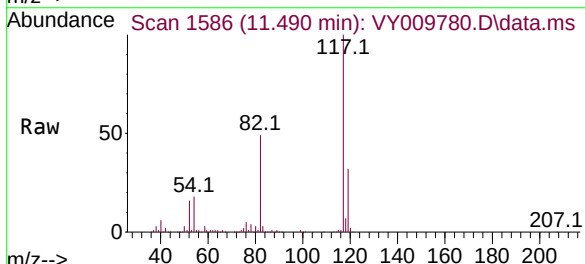
Instrument :
MSVOA_Y
ClientSampleId :
RVE-84

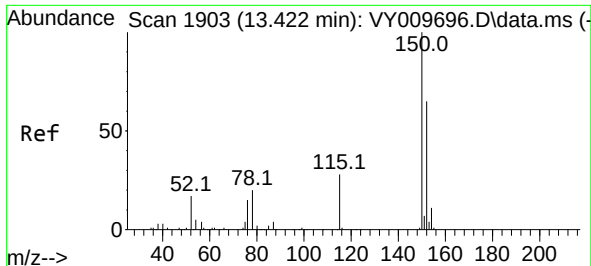
Tgt Ion: 95 Resp: 67035
Ion Ratio Lower Upper
95 100
174 98.2 0.0 177.0
176 97.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY009780.D
Acq: 29 Jul 2022 18:13

Tgt Ion: 117 Resp: 278648
Ion Ratio Lower Upper
117 100
82 49.2 43.0 64.4
119 32.0 25.4 38.0

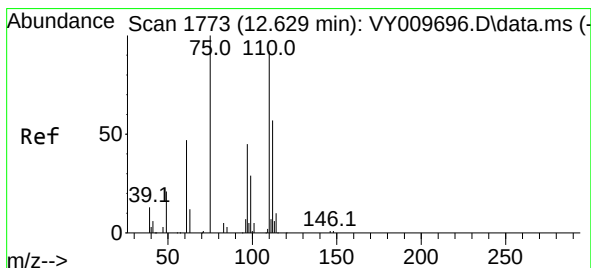
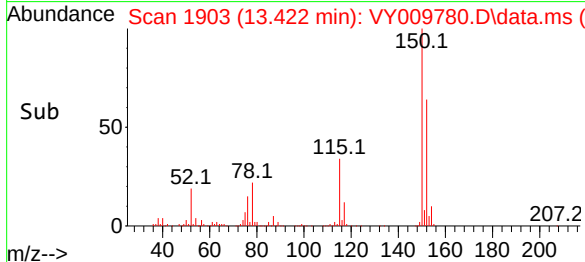
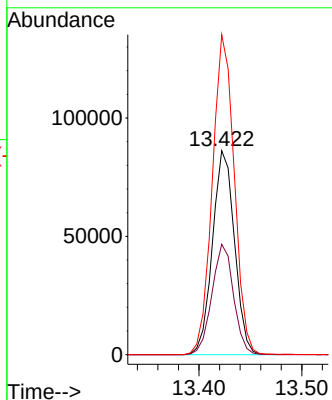
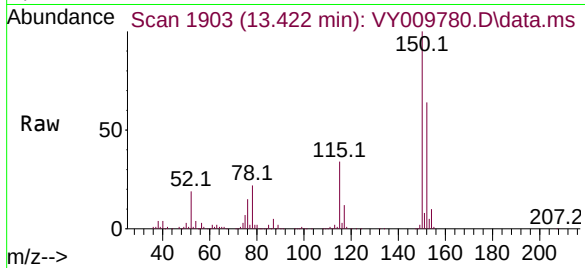




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009780.D
 Acq: 29 Jul 2022 18:13

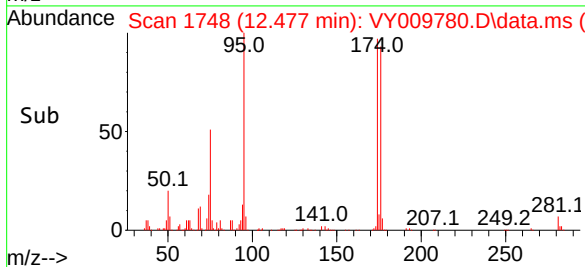
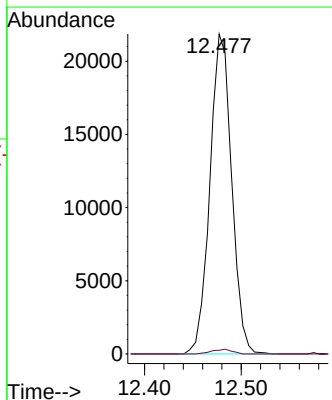
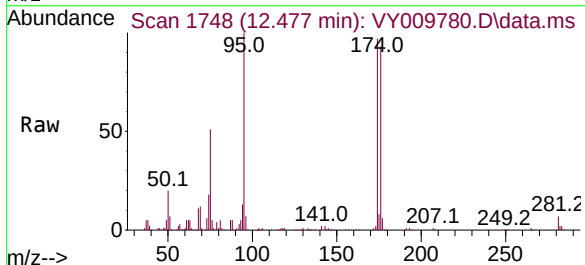
Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-84

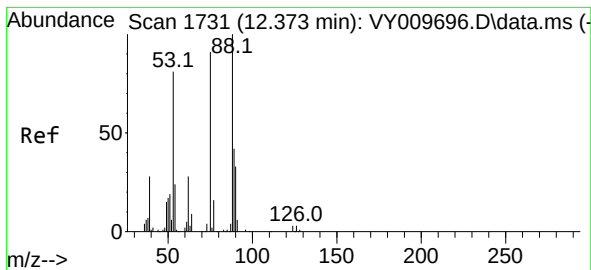
Tgt Ion:152 Resp: 128158
 Ion Ratio Lower Upper
 152 100
 115 53.1 28.2 84.7
 150 156.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 28.668 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009780.D
 Acq: 29 Jul 2022 18:13

Tgt Ion: 75 Resp: 34127
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.145 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009780.D
 Acq: 29 Jul 2022 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-84

Tgt Ion: 75 Resp: 34127
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

