

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013123\
 Data File : VY012427.D
 Acq On : 31 Jan 2023 17:55
 Operator : KP/MD
 Sample : 01371-04
 Misc : 6.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 4-RAMP-E

Quant Time: Feb 01 01:26:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

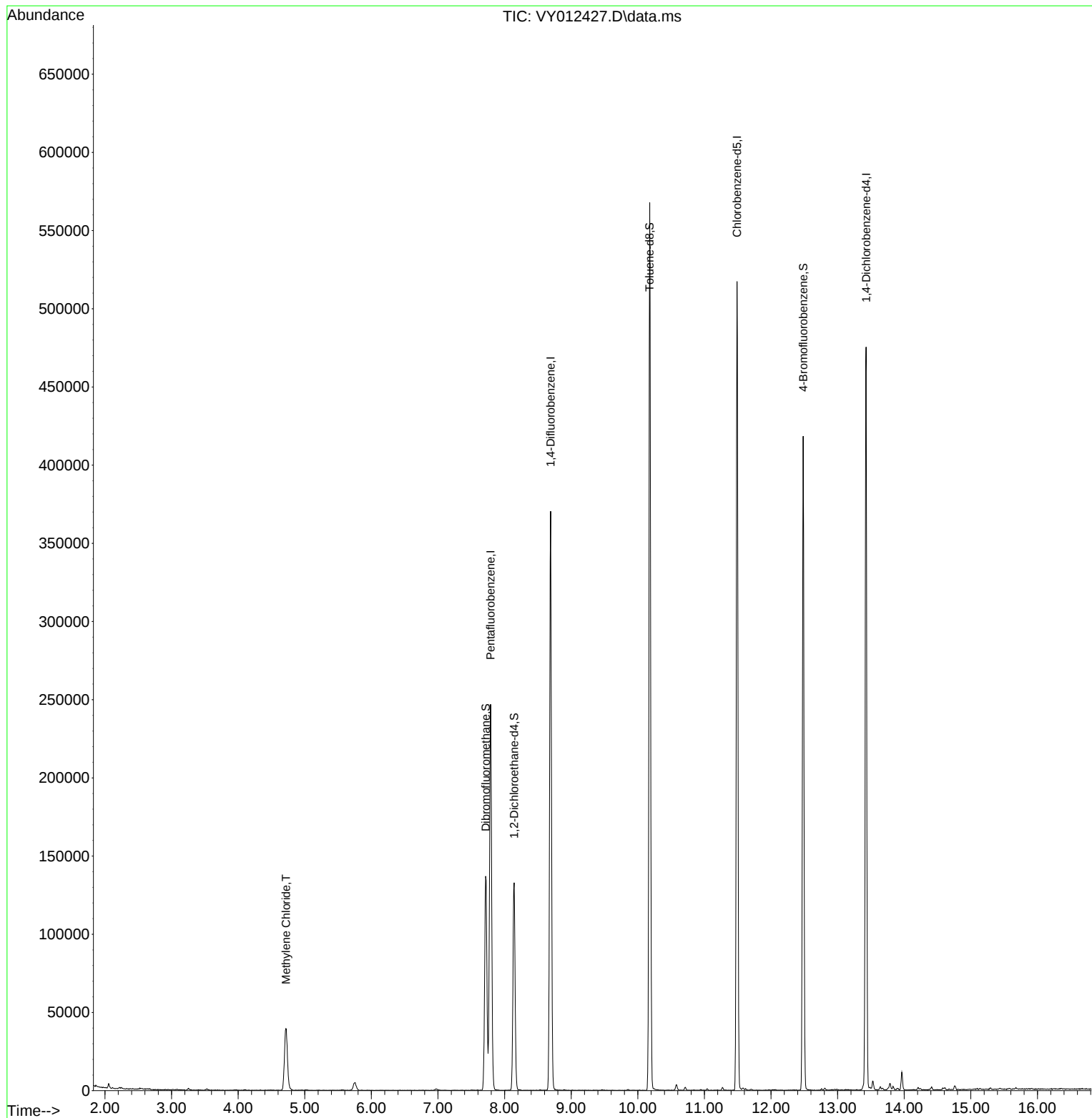
Internal Standards						
1) Pentafluorobenzene	7.789	168	194204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	322708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	303269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	109590	69.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.240%	
35) Dibromofluoromethane	7.716	113	95275	55.757	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.520%	
50) Toluene-d8	10.179	98	380971	65.709	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 131.420%	
62) 4-Bromofluorobenzene	12.483	95	119994	49.815	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.620%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.716	84	33157	7.967	ug/l	89

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

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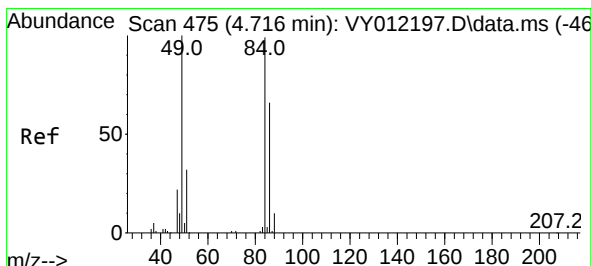
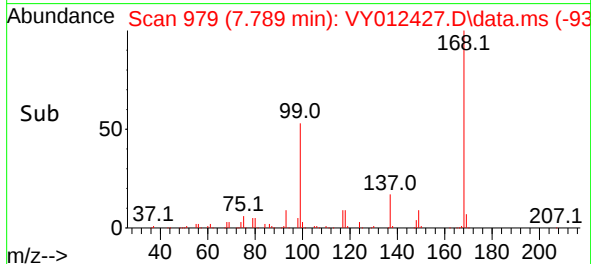
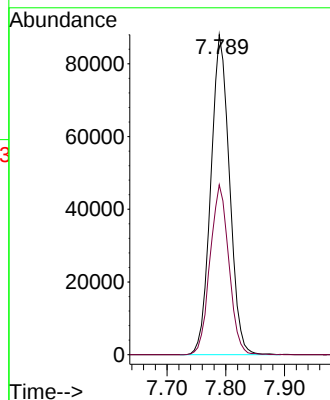
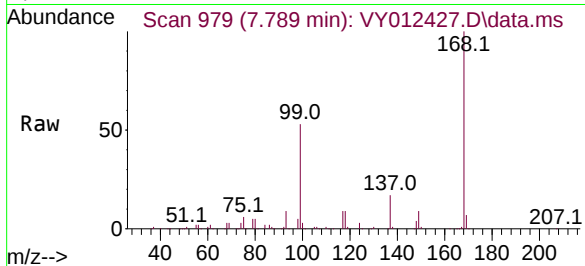




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012427.D
Acq: 31 Jan 2023 17:55

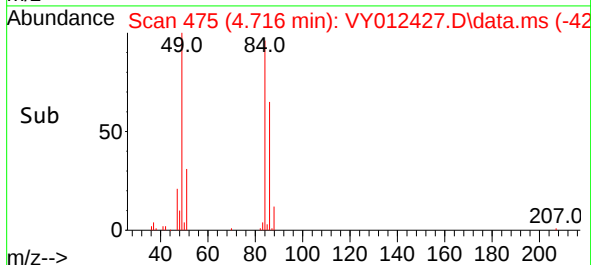
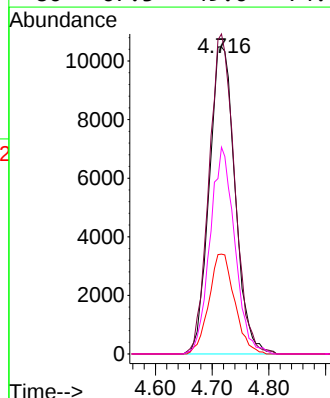
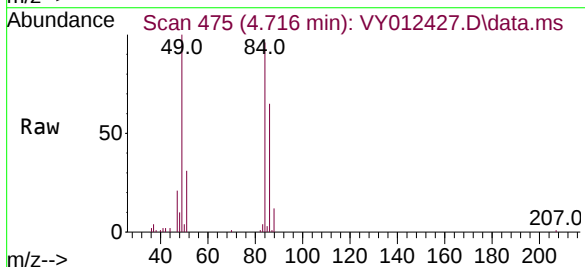
Instrument :
MSVOA_Y
ClientSampleId :
4-RAMP-E

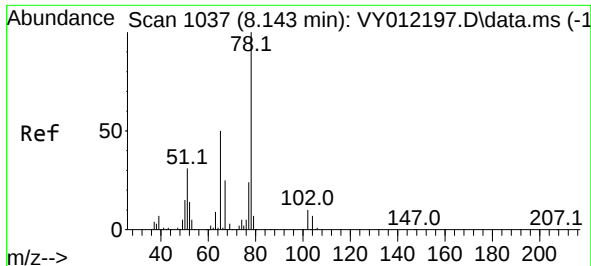
Tgt Ion:168 Resp: 194204
Ion Ratio Lower Upper
168 100
99 53.1 44.0 66.0



#20
Methylene Chloride
Concen: 7.967 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012427.D
Acq: 31 Jan 2023 17:55

Tgt Ion: 84 Resp: 33157
Ion Ratio Lower Upper
84 100
49 104.2 95.4 143.2
51 32.5 29.9 44.9
86 67.3 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 69.623 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012427.D

Acq: 31 Jan 2023 17:55

Instrument :

MSVOA_Y

ClientSampleId :

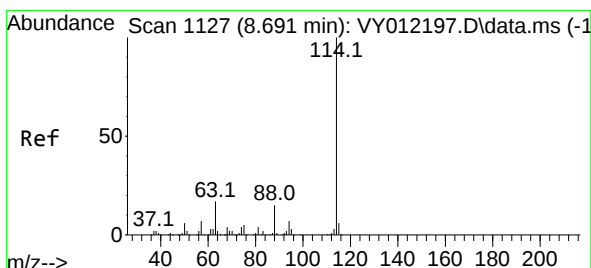
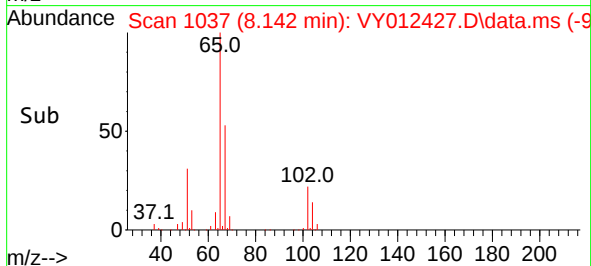
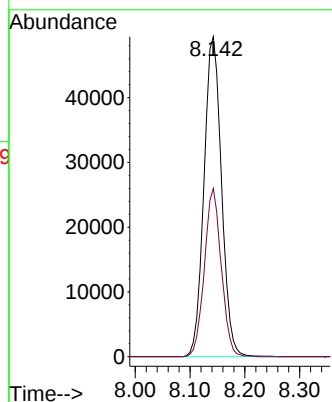
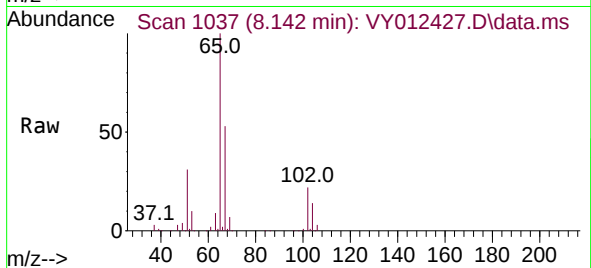
4-RAMP-E

Tgt Ion: 65 Resp: 109590

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012427.D

Acq: 31 Jan 2023 17:55

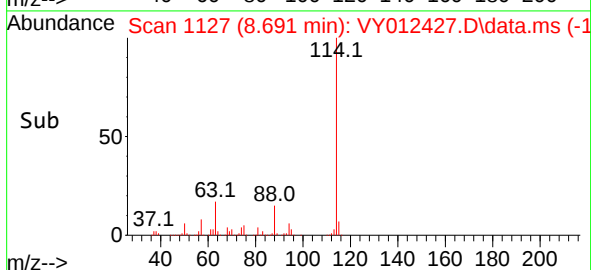
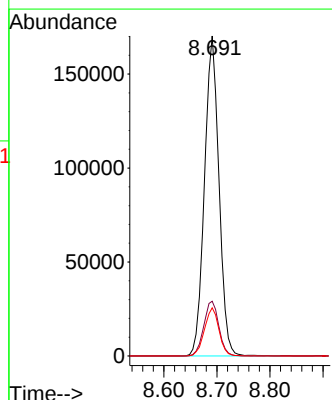
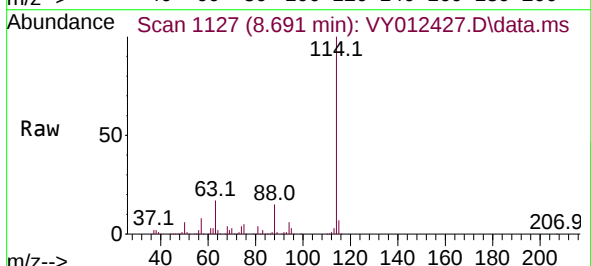
Tgt Ion: 114 Resp: 322708

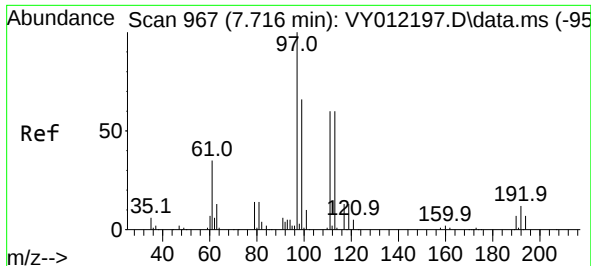
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 15.1 0.0 32.2

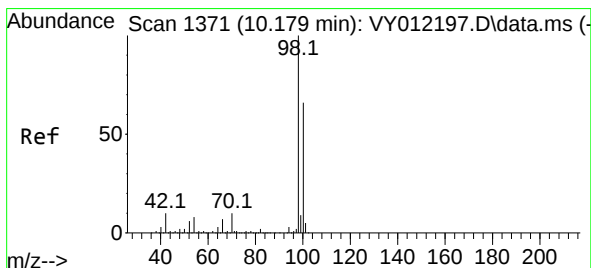
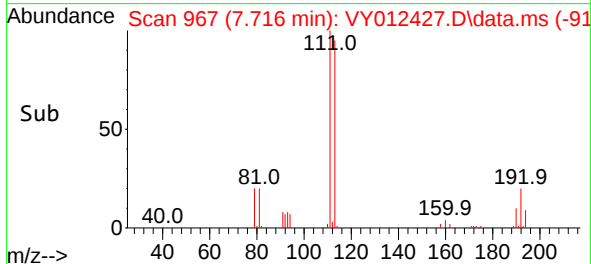
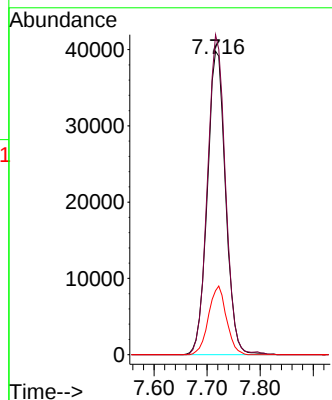
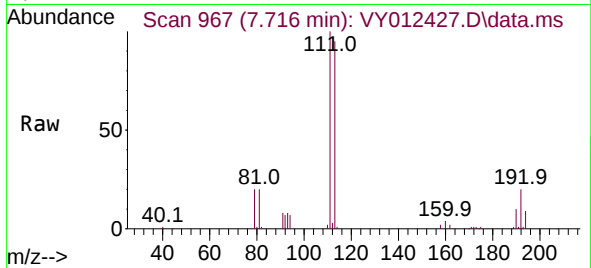




#35
 Dibromofluoromethane
 Concen: 55.757 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY012427.D
 Acq: 31 Jan 2023 17:55

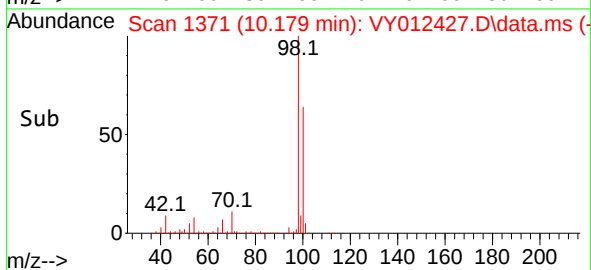
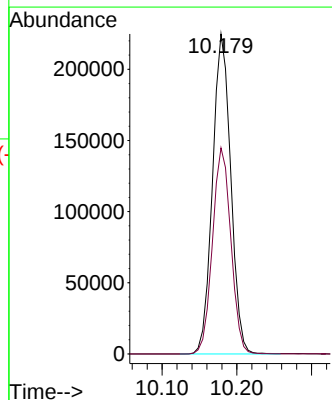
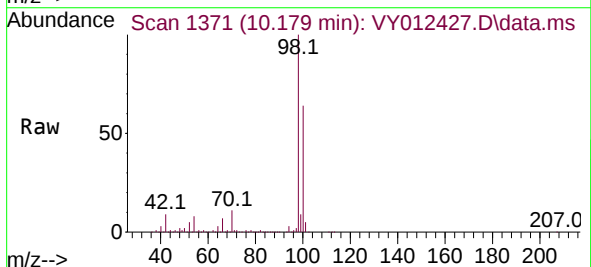
Instrument :
 MSVOA_Y
 ClientSampleId :
 4-RAMP-E

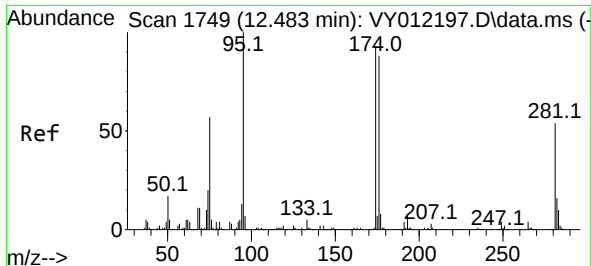
Tgt Ion:113 Resp: 95275
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.0 124.4
 192 22.1 16.0 24.0



#50
 Toluene-d8
 Concen: 65.709 ug/l
 RT: 10.179 min Scan# 1371
 Delta R.T. -0.000 min
 Lab File: VY012427.D
 Acq: 31 Jan 2023 17:55

Tgt Ion: 98 Resp: 380971
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 49.815 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012427.D

Acq: 31 Jan 2023 17:55

Instrument :

MSVOA_Y

ClientSampleId :

4-RAMP-E

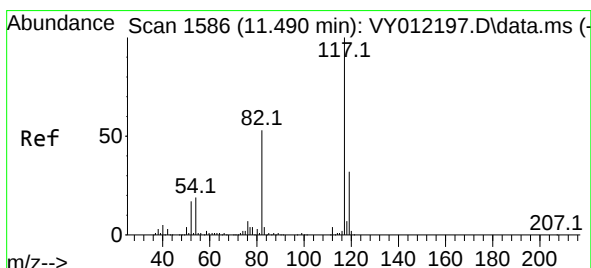
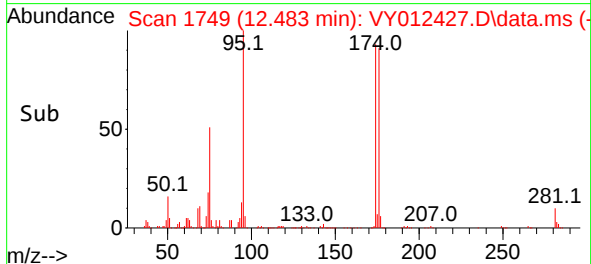
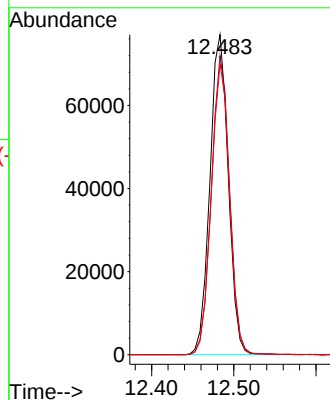
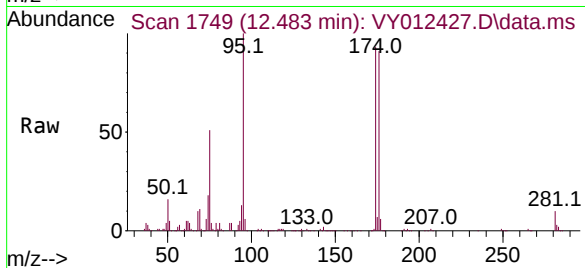
Tgt Ion: 95 Resp: 119994

Ion Ratio Lower Upper

95 100

174 92.5 0.0 172.0

176 90.2 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY012427.D

Acq: 31 Jan 2023 17:55

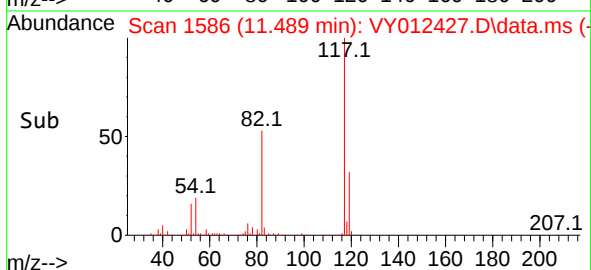
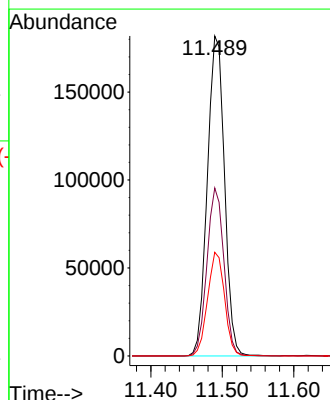
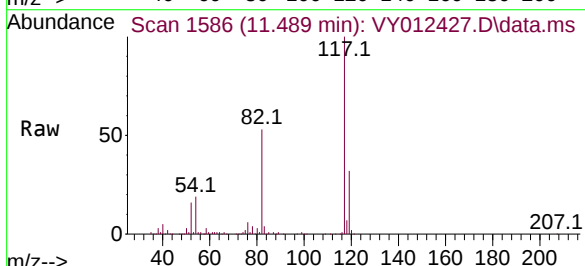
Tgt Ion: 117 Resp: 303269

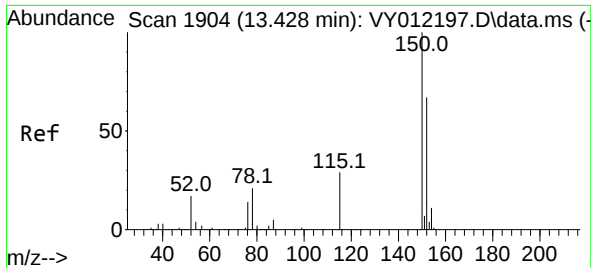
Ion Ratio Lower Upper

117 100

82 52.5 44.8 67.2

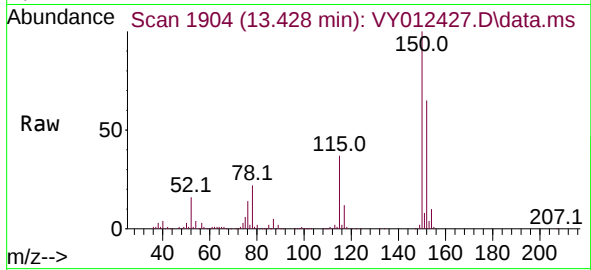
119 32.4 25.4 38.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY012427.D
 Acq: 31 Jan 2023 17:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 4-RAMP-E



Tgt Ion:	152	Resp:	132116
Ion	Ratio	Lower	Upper
152	100		
115	56.3	29.1	87.3
150	155.7	0.0	342.6

