

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)

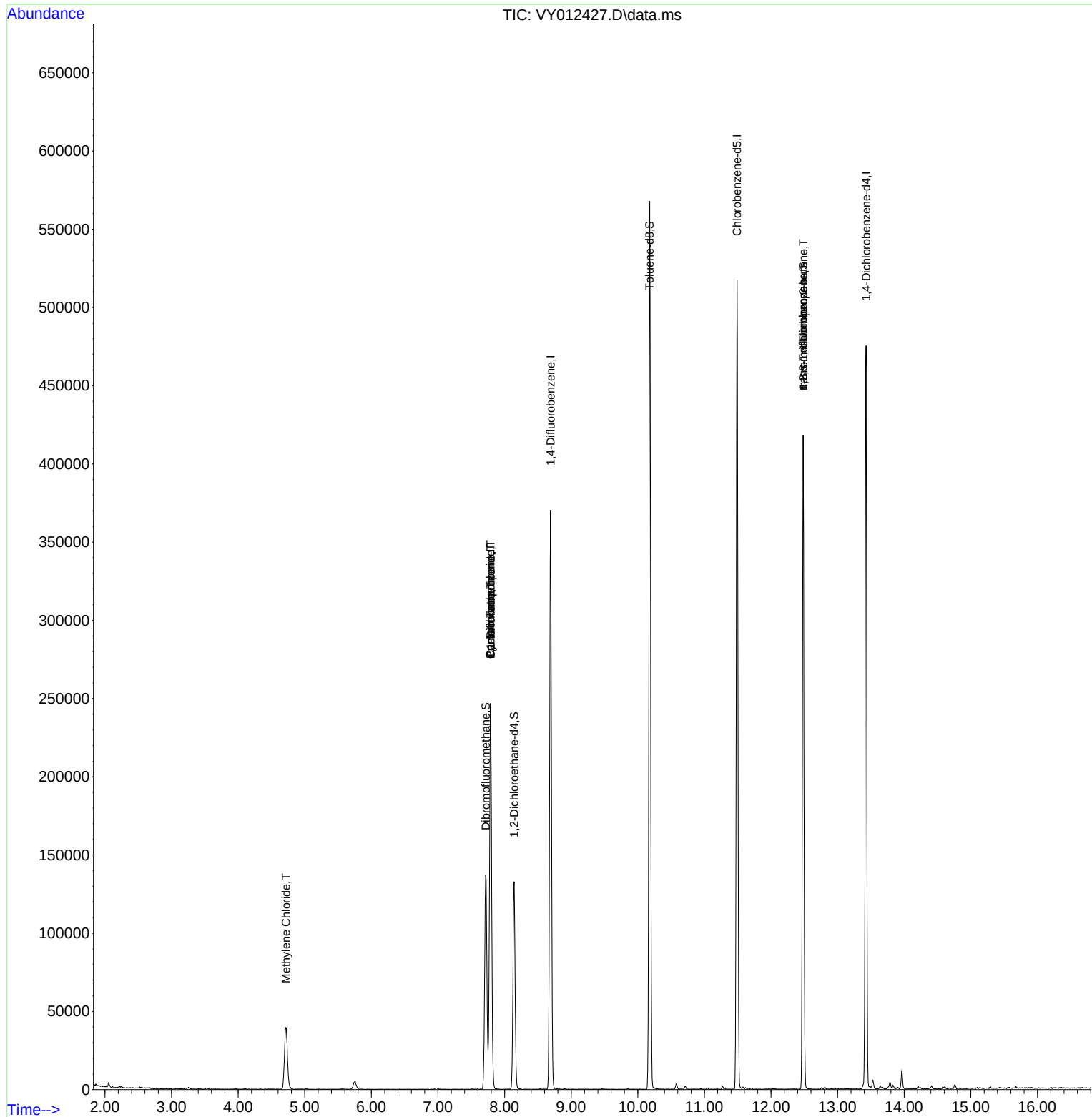
Internal Standards						
1) Pentafluorobenzene	7.789	168	194204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	322708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	303269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
11) Tert butyl alcohol	4.942	59	137	Below Cal	#	74
20) Methylene Chloride	4.716	84	33157	7.967	ug/l	89
31) Cyclohexane	7.789	56	3410	1.204	ug/l #	14
36) 1,1-Dichloropropene	7.789	75	12856	4.427	ug/l #	51
38) Carbon Tetrachloride	7.789	117	18936	5.049	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	61342	50.493	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61342	104.038	ug/l #	13

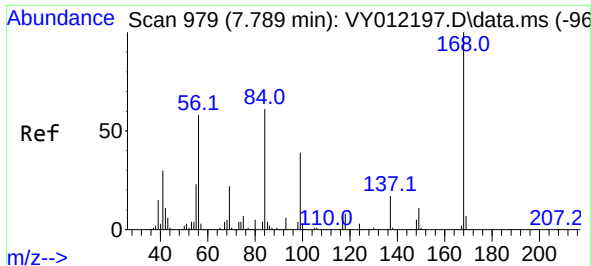
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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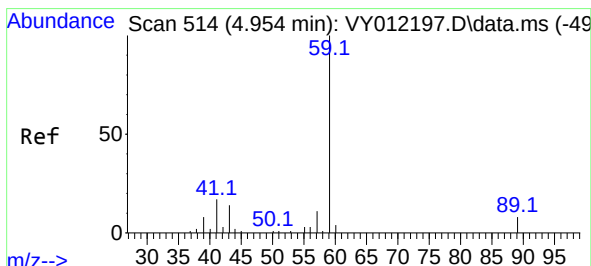
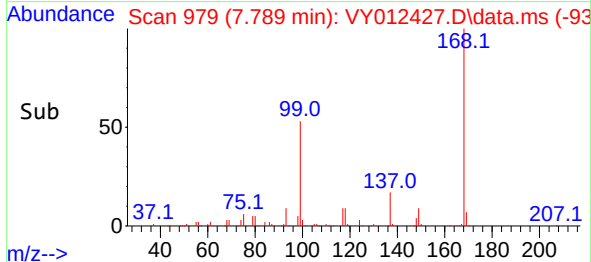
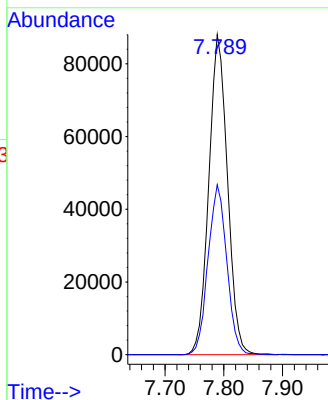
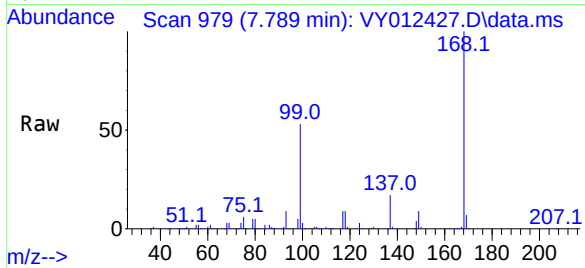




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012427.D
Acq: 31 Jan 2023 17:55

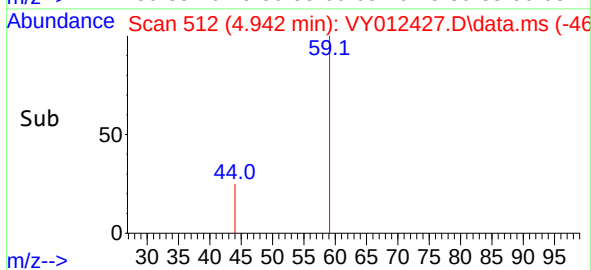
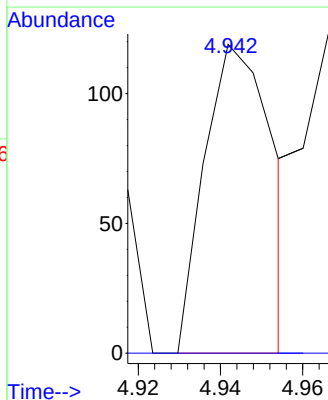
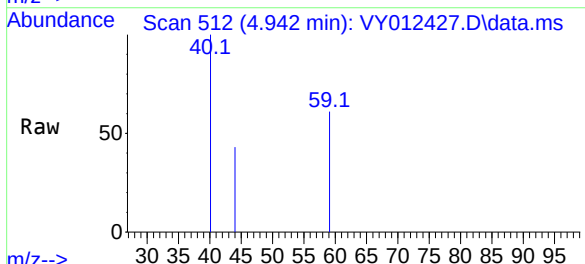
Instrument :
MSVOA_Y
ClientSampleId :
4-RAMP-E

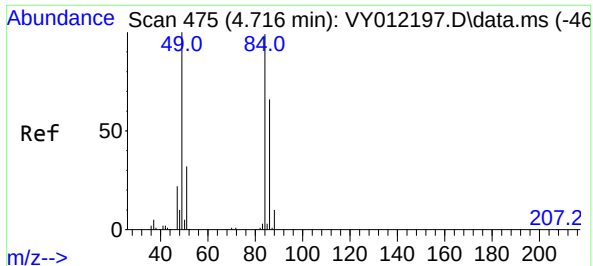
Tgt Ion:168 Resp: 194204
Ion Ratio Lower Upper
168 100
99 53.1 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012427.D
Acq: 31 Jan 2023 17:55

Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



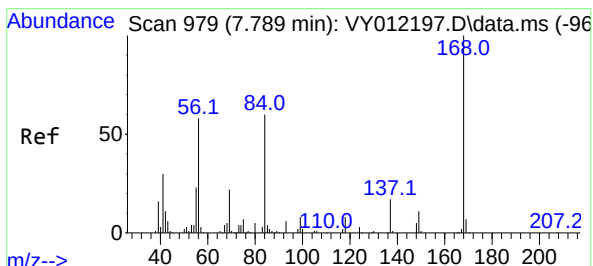
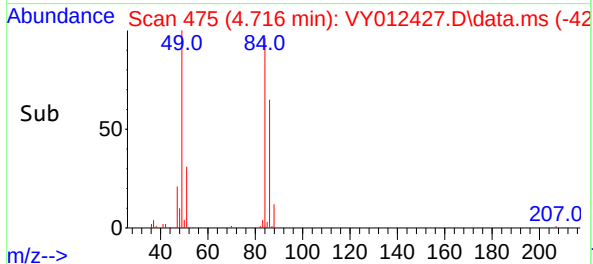
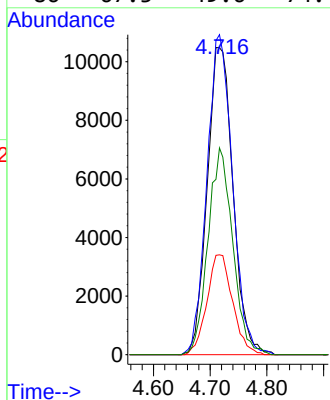
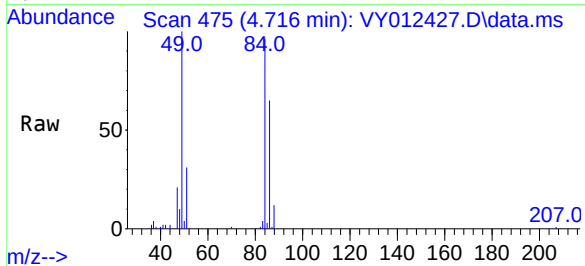


#20
Methylene Chloride
Concen: 7.967 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012427.D
Acq: 31 Jan 2023 17:55

Instrument :
MSVOA_Y
ClientSampleId :
4-RAMP-E

Tgt Ion: 84 Resp: 33157

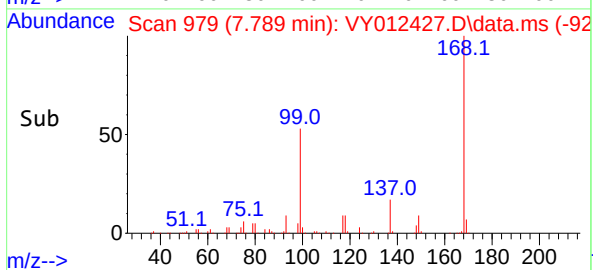
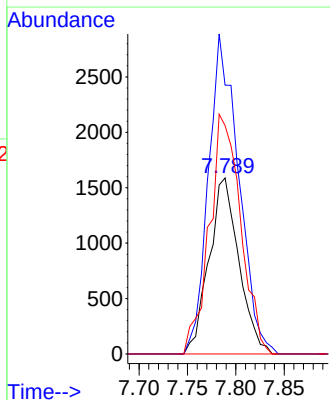
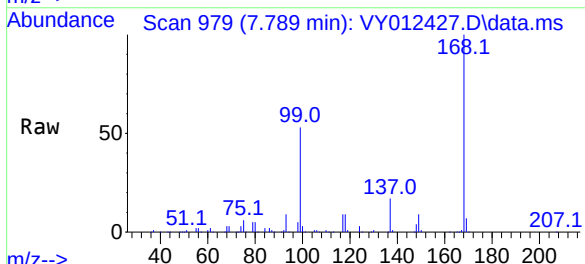
Ion	Ratio	Lower	Upper
84	100		
49	104.2	95.4	143.2
51	32.5	29.9	44.9
86	67.3	49.6	74.4

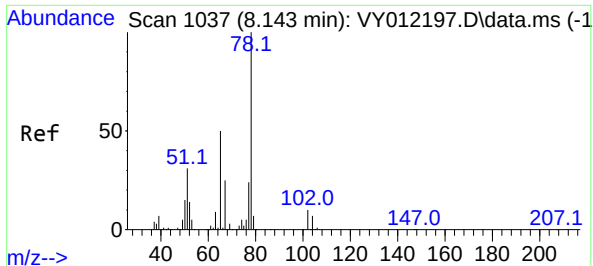


#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012427.D
Acq: 31 Jan 2023 17:55

Tgt Ion: 56 Resp: 3410

Ion	Ratio	Lower	Upper
56	100		
69	152.7	29.2	43.8#
84	129.6	72.6	108.8#





#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 :

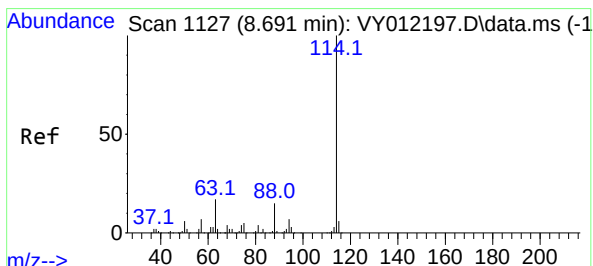
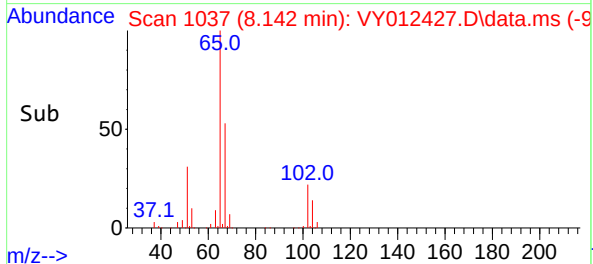
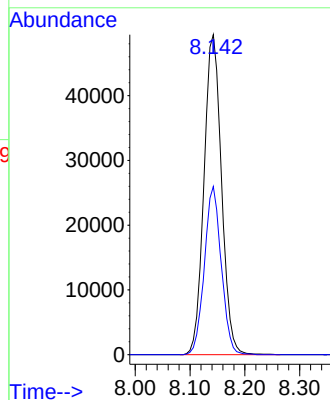
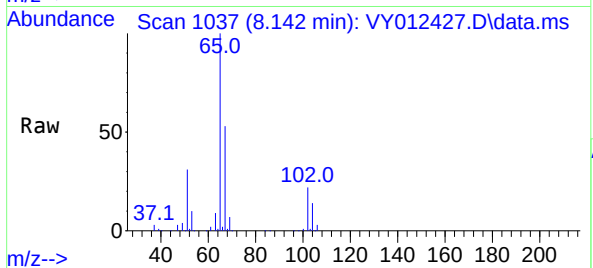
4-RAMP-E

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

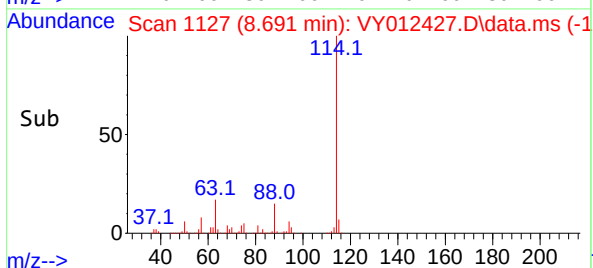
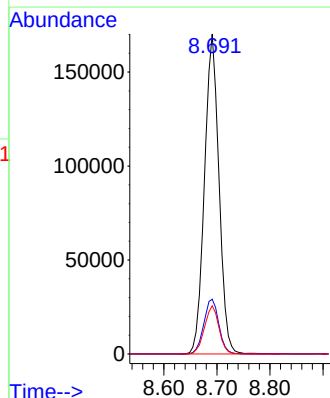
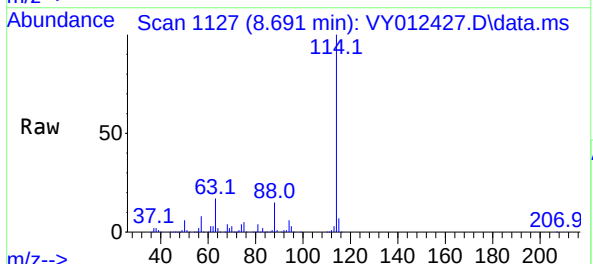
Tgt Ion: 114 Resp: 322708

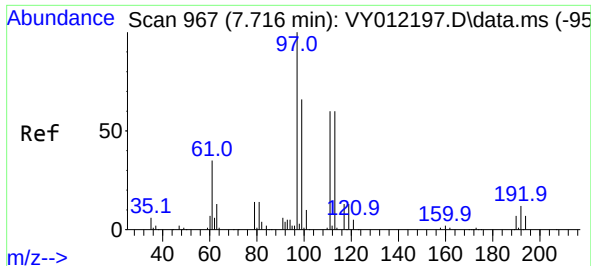
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 15.1 0.0 32.2

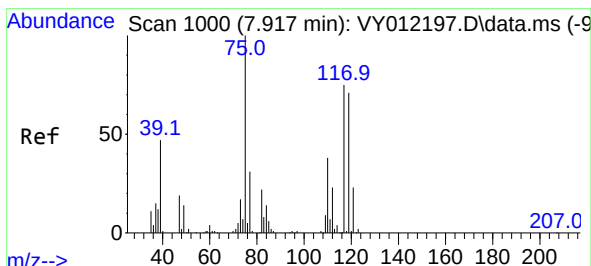
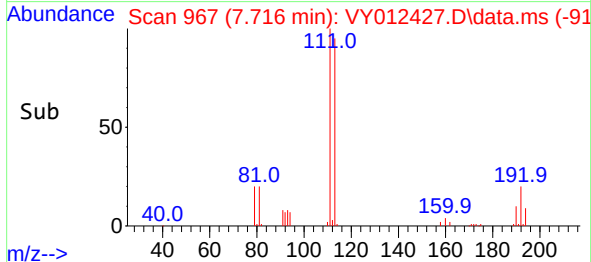
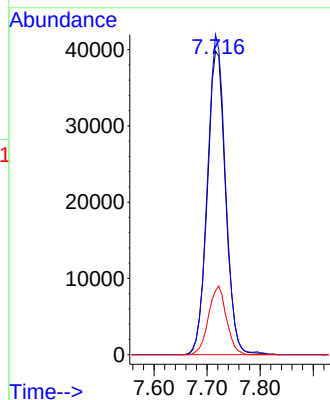
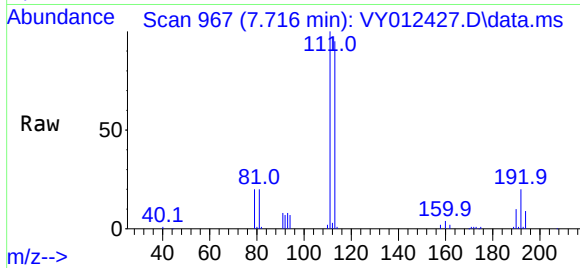




#35
Dibromofluoromethane
Concen: 55.757 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012427.D
Acq: 31 Jan 2023 17:55

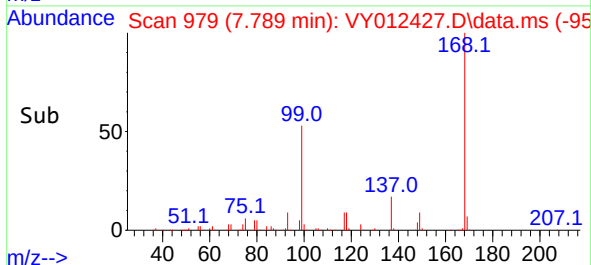
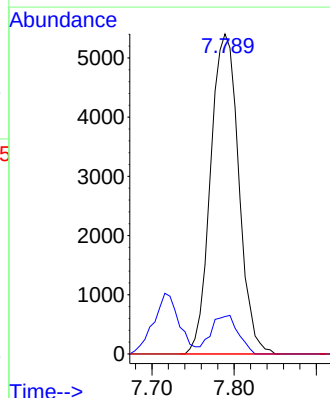
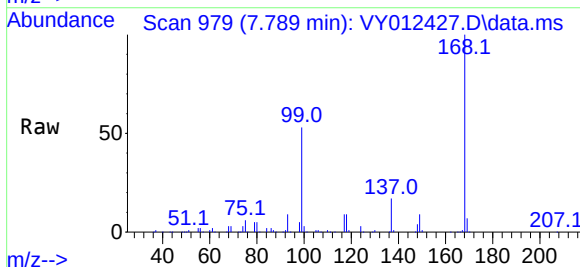
Instrument :
MSVOA_Y
ClientSampleId :
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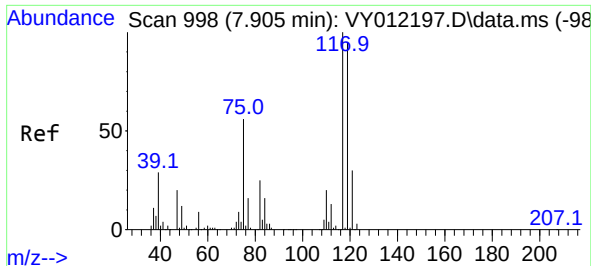
Tgt Ion:113 Resp: 95275
Ion Ratio Lower Upper
113 100
111 103.6 83.0 124.4
192 22.1 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.427 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012427.D
Acq: 31 Jan 2023 17:55

Tgt Ion: 75 Resp: 12856
Ion Ratio Lower Upper
75 100
110 11.5 18.1 54.1#
77 0.0 25.1 37.7#

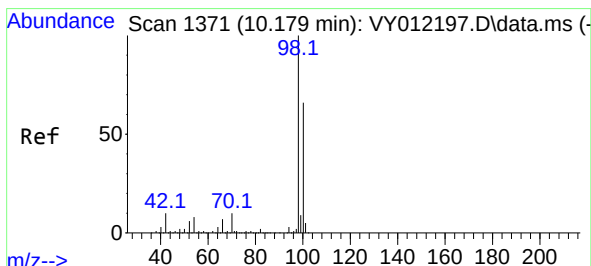
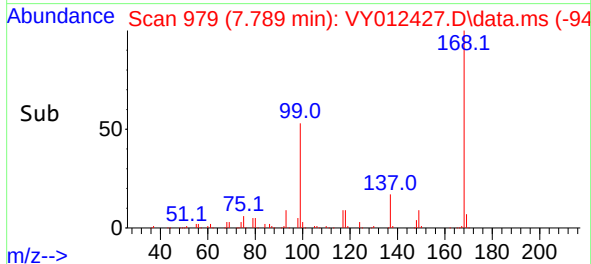
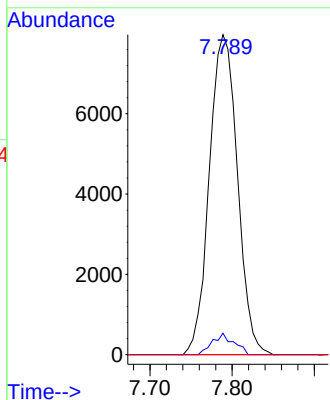
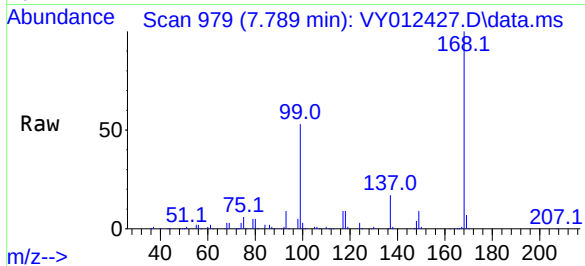




#38
Carbon Tetrachloride
Concen: 5.049 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012427.D
Acq: 31 Jan 2023 17:55

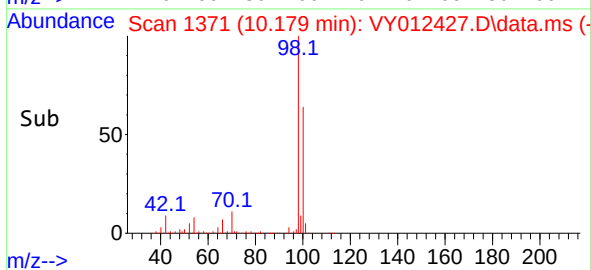
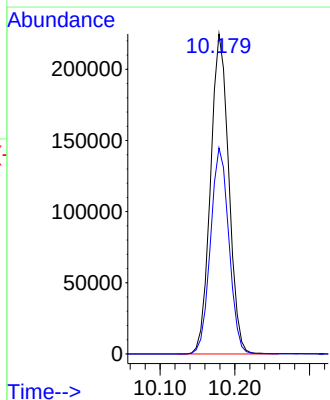
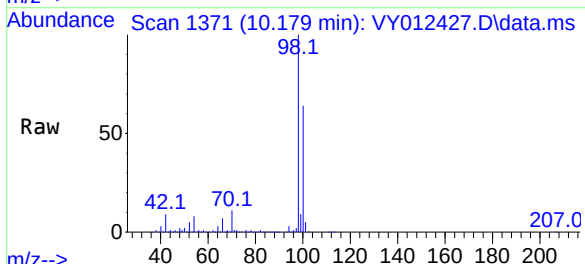
Instrument :
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ClientSampleId :
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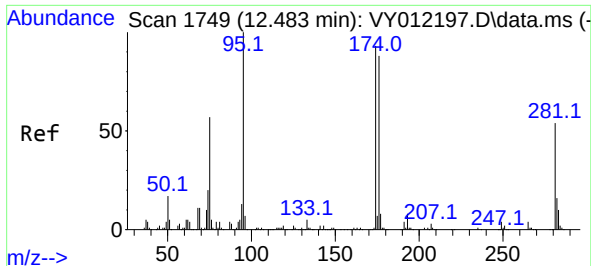
Tgt Ion:117 Resp: 18936
Ion Ratio Lower Upper
117 100
119 6.7 73.8 110.8#
121 0.0 25.2 37.8#



#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

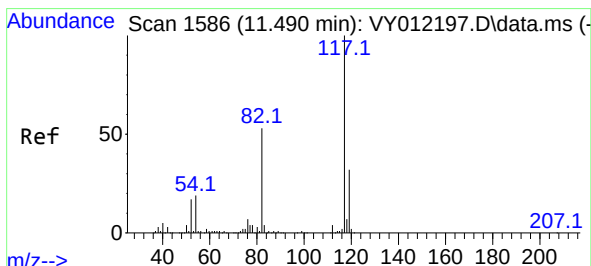
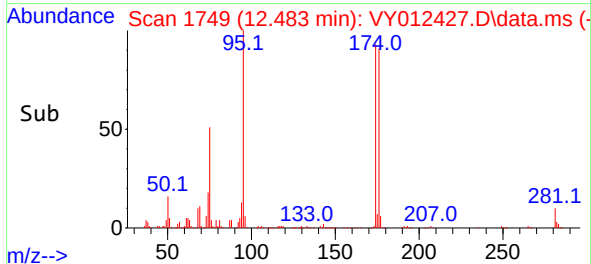
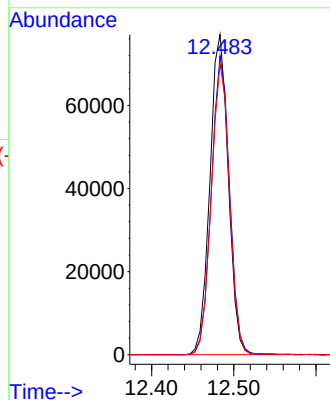
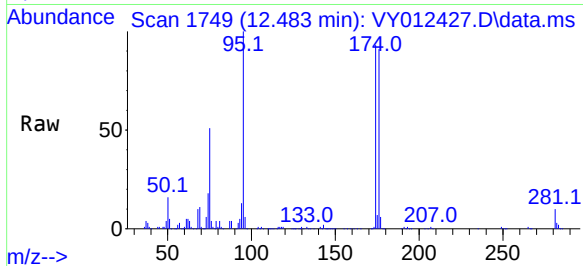




#62
4-Bromofluorobenzene
Concen: 49.815 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012427.D
Acq: 31 Jan 2023 17:55

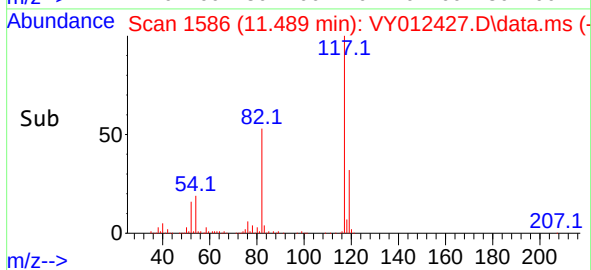
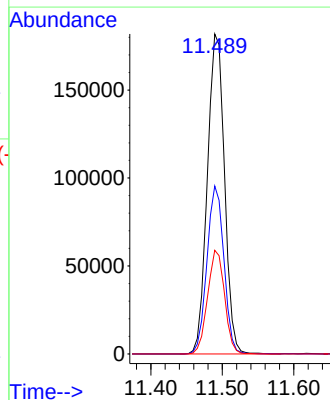
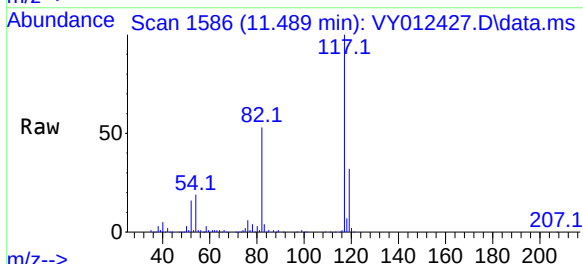
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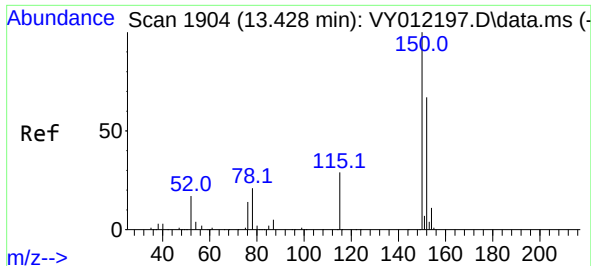
Tgt Ion: 95 Resp: 119994
Ion Ratio Lower Upper
95 100
174 92.5 0.0 172.0
176 90.2 0.0 167.6



#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

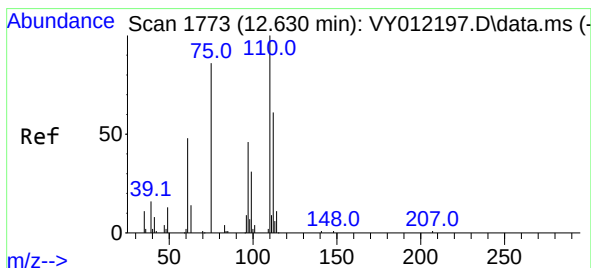
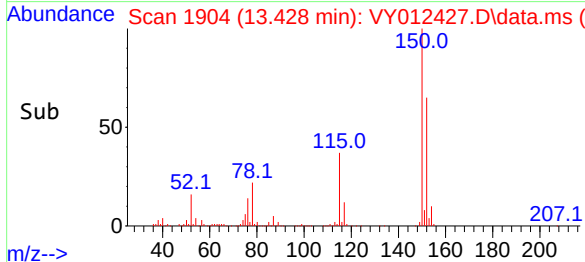
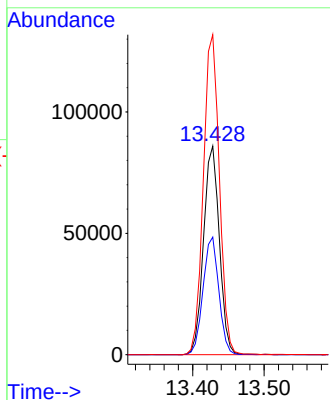
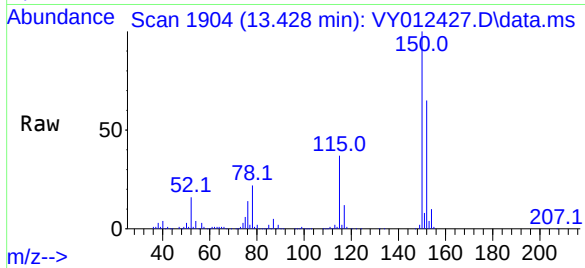




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY012427.D
 Acq: 31 Jan 2023 17:55

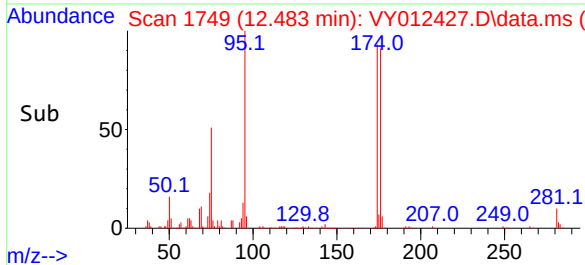
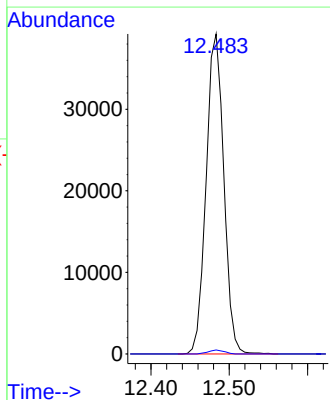
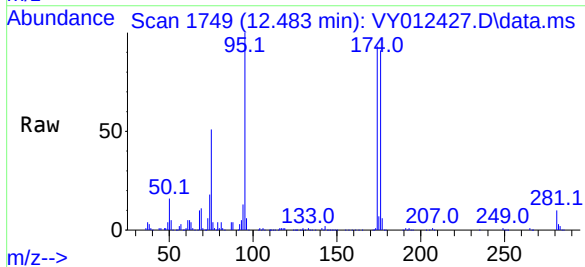
Instrument :
 MSVOA_Y
 ClientSampleId :
 4-RAMP-E

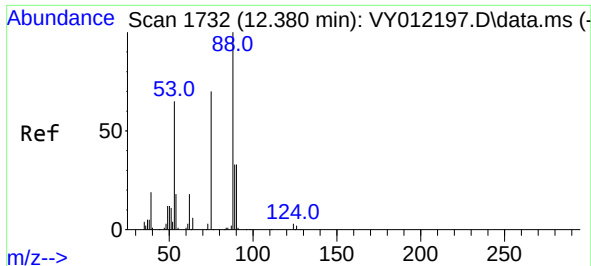
Tgt Ion:152 Resp: 132116
 Ion Ratio Lower Upper
 152 100
 115 56.3 29.1 87.3
 150 155.7 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 50.493 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012427.D
 Acq: 31 Jan 2023 17:55

Tgt Ion: 75 Resp: 61342
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.038 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012427.D
 Acq: 31 Jan 2023 17:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 4-RAMP-E

Tgt Ion: 75 Resp: 61342
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

