

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012523\
 Data File : VY012355.D
 Acq On : 25 Jan 2023 14:33
 Operator : KP/MD
 Sample : VY0125SBL03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 26 04:08:03 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	7.795	168	163578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	271000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	266353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	98688	74.730	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.460%	
35) Dibromofluoromethane	7.722	113	80633	56.192	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.380%	
50) Toluene-d8	10.179	98	324179	66.645	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 133.300%	
62) 4-Bromofluorobenzene	12.483	95	108326	53.552	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.100%	
Target Compounds						
11) Tert butyl alcohol	4.924	59	1076	Below Cal	#	74
16) Acetone	3.948	43	1216	2.670	ug/l #	85
20) Methylene Chloride	4.716	84	8901	Below Cal	#	89
25) 2-Butanone	6.978	43	1489	2.961	ug/l #	77
31) Cyclohexane	7.789	56	3182	1.334	ug/l #	26
36) 1,1-Dichloropropene	7.789	75	11494	4.713	ug/l #	51
37) Ethyl Acetate	6.978	43	1489	1.385	ug/l #	1
38) Carbon Tetrachloride	7.789	117	16345	5.189	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	59359	51.564	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59359	106.244	ug/l #	13

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

Abundance

TIC: VY012355.D\data.ms

Time-->

Acetone, T

Ethyl Acetate, T

Dibromofluoromethane, S

Dichlorofluoromethane, T

1,2-Dichloroethane-d4, S

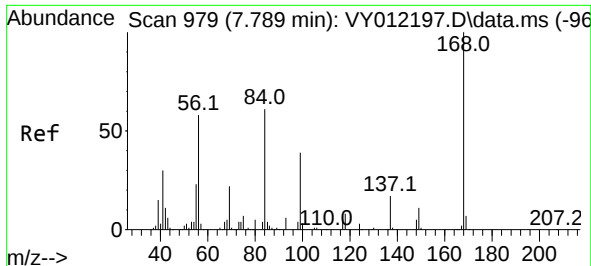
1,4-Difluorobenzene, I

Toluene-d8, S

Chlorobenzene-d5, I

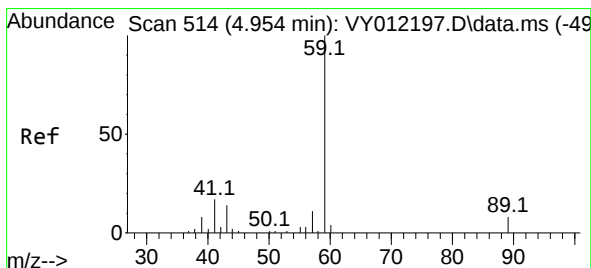
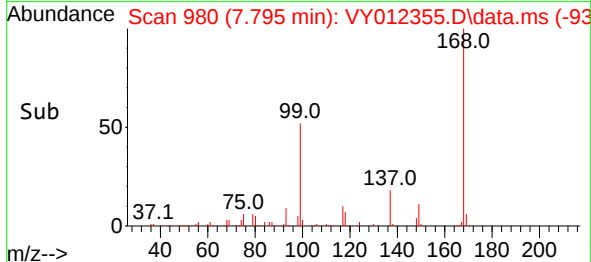
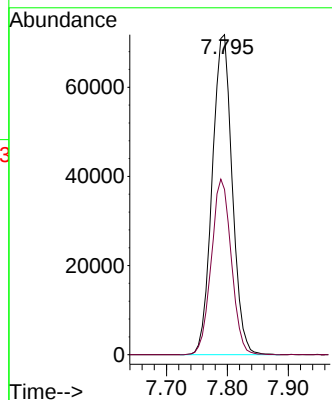
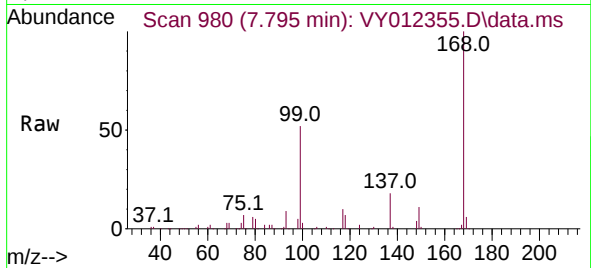
1,2-Dichlorobenzene, T

1,4-Dichlorobenzene-d4, I



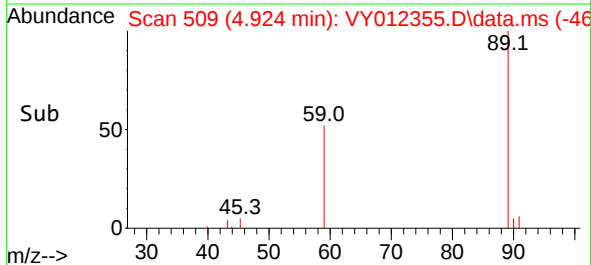
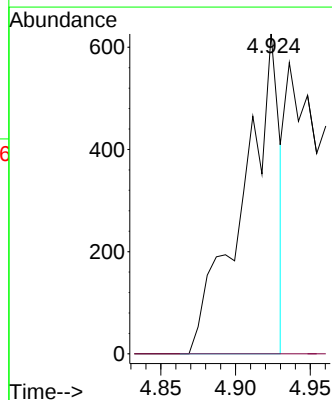
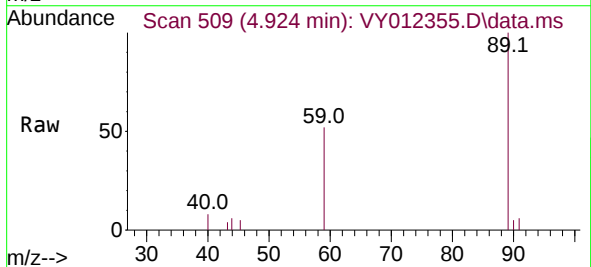
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

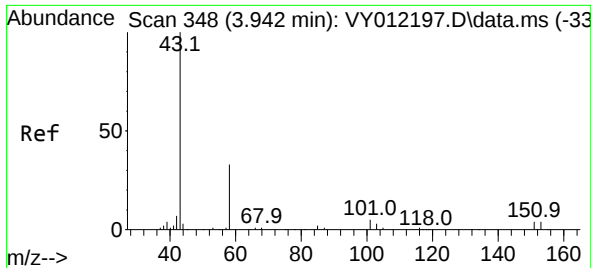
Tgt Ion:168 Resp: 163578
Ion Ratio Lower Upper
168 100
99 51.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

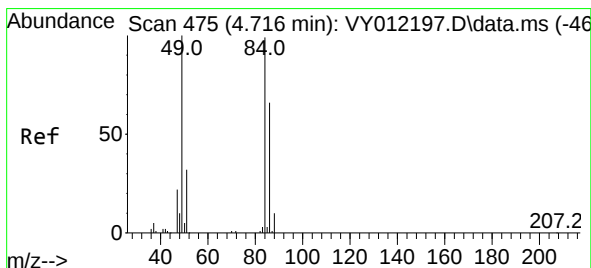
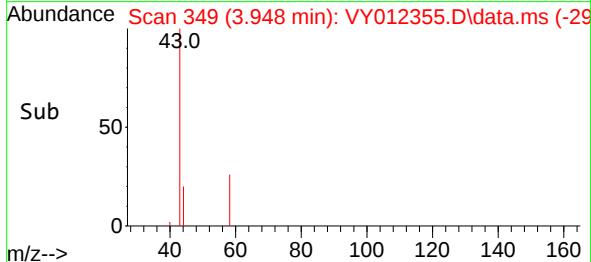
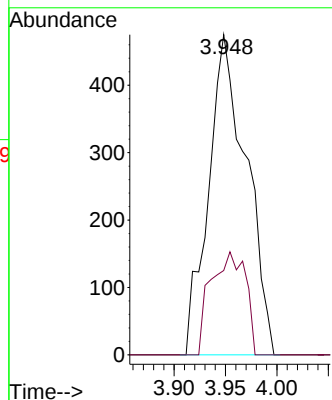
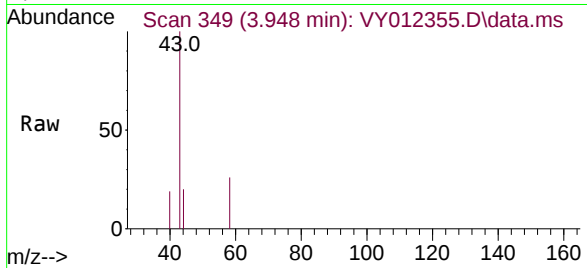
Tgt Ion: 59 Resp: 1076
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





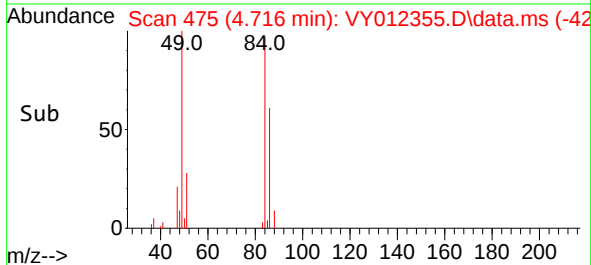
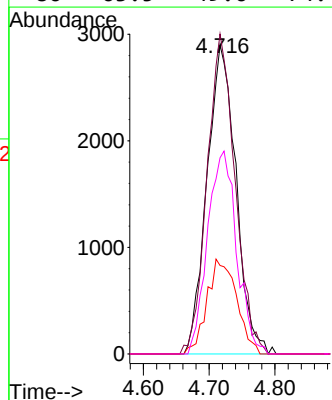
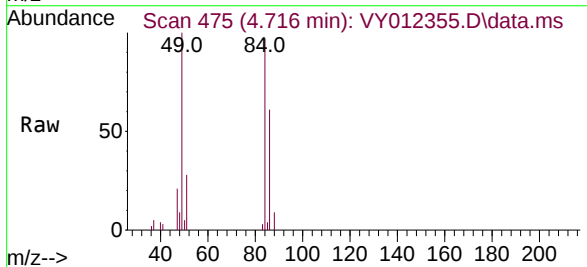
#16
Acetone
Concen: 2.670 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

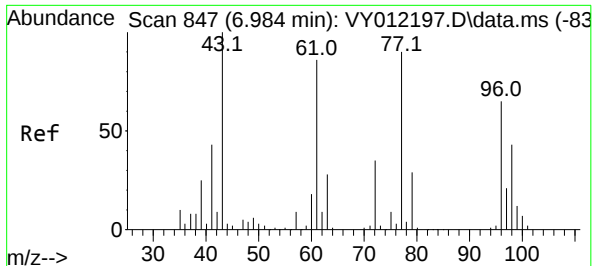
Tgt Ion: 43 Resp: 1216
Ion Ratio Lower Upper
43 100
58 26.3 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

Tgt Ion: 84 Resp: 8901
Ion Ratio Lower Upper
84 100
49 103.6 95.4 143.2
51 28.6 29.9 44.9#
86 63.5 49.6 74.4





#25

2-Butanone

Concen: 2.961 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY012355.D

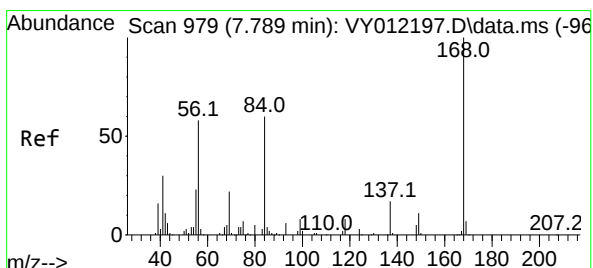
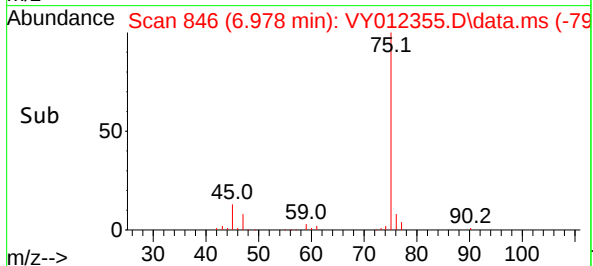
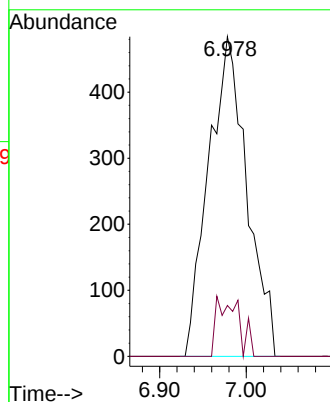
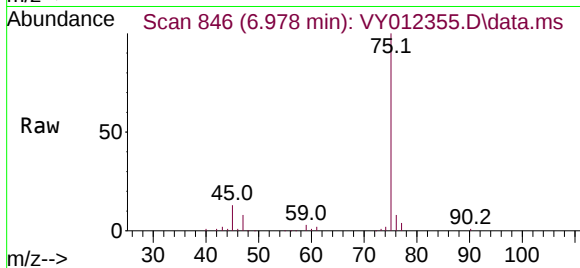
Acq: 25 Jan 2023 14:33

Tgt Ion: 43 Resp: 1489

Ion Ratio Lower Upper

43 100

72 15.9 22.6 34.0#



#31

Cyclohexane

Concen: 1.334 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012355.D

Acq: 25 Jan 2023 14:33

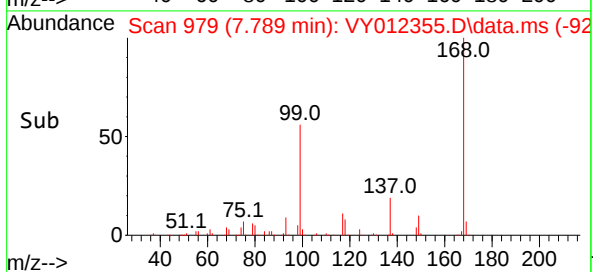
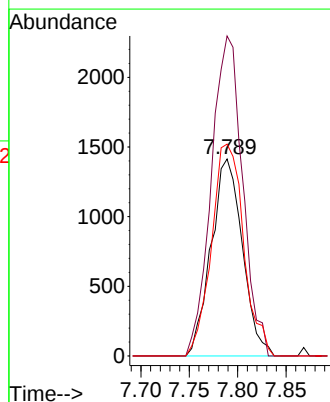
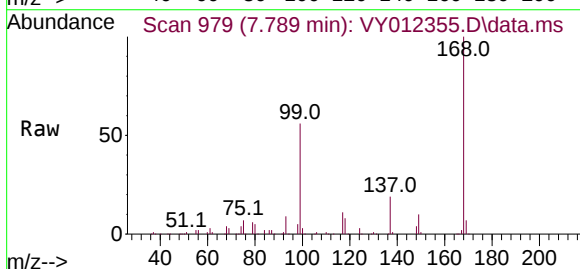
Tgt Ion: 56 Resp: 3182

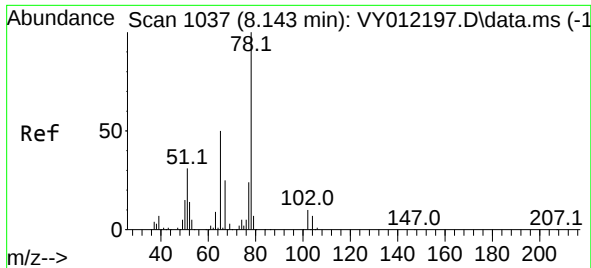
Ion Ratio Lower Upper

56 100

69 162.4 29.2 43.8#

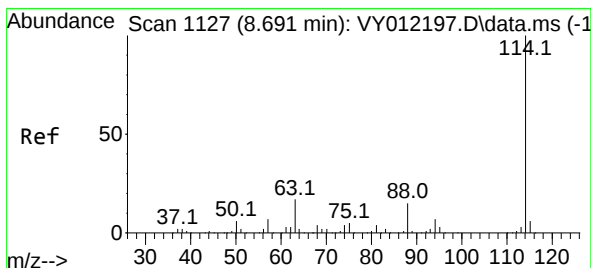
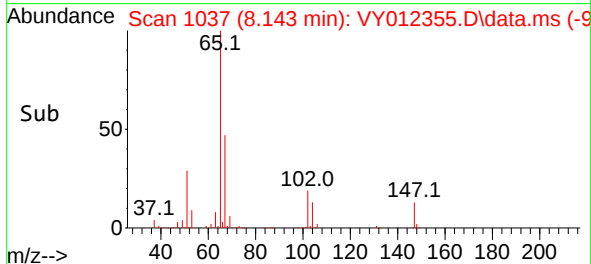
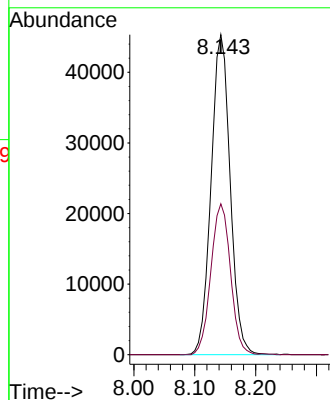
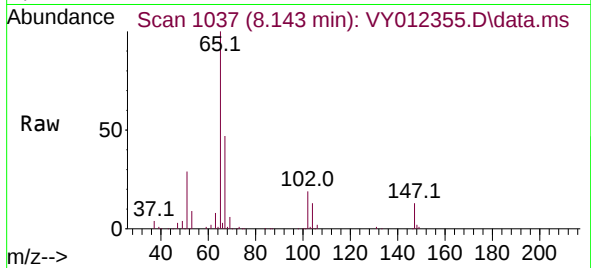
84 107.6 72.6 108.8





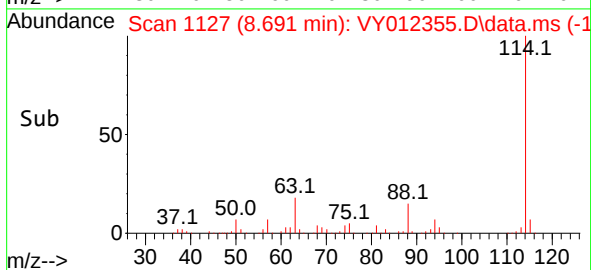
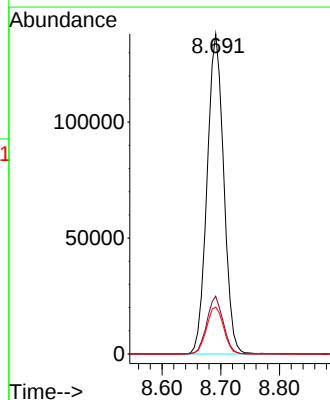
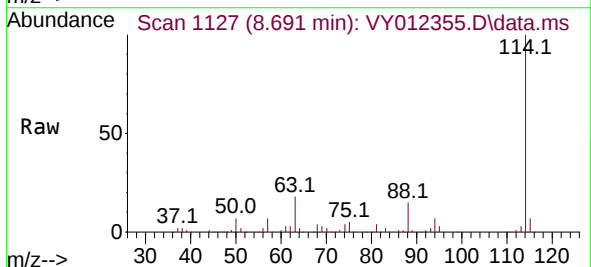
#33
 1,2-Dichloroethane-d4
 Concen: 74.730 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012355.D
 Acq: 25 Jan 2023 14:33

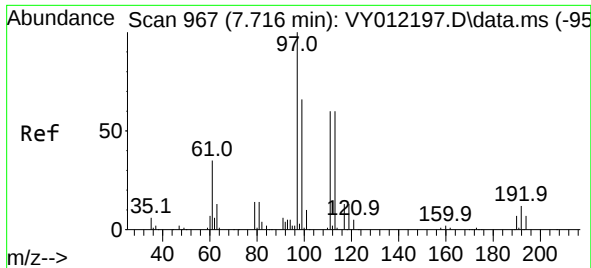
Tgt Ion: 65 Resp: 98688
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012355.D
 Acq: 25 Jan 2023 14:33

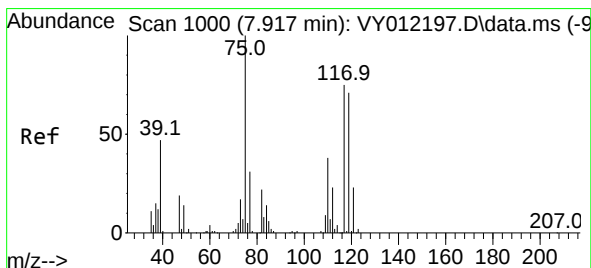
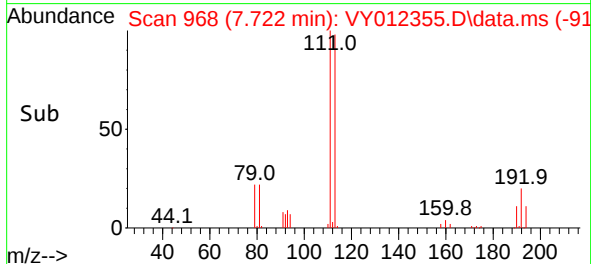
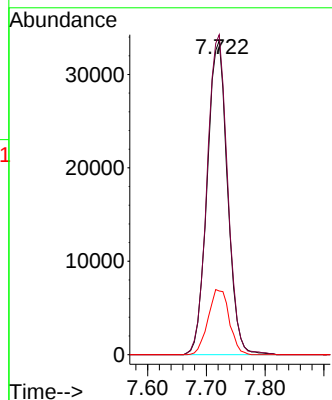
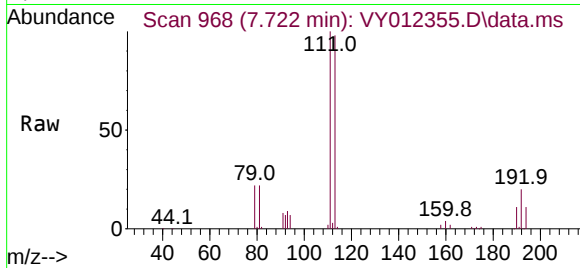
Tgt Ion: 114 Resp: 271000
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.6
 88 14.7 0.0 32.2





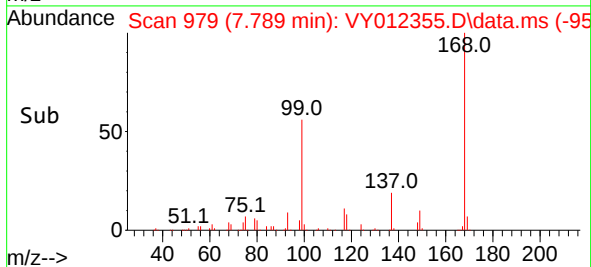
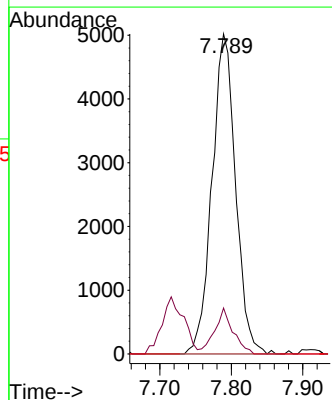
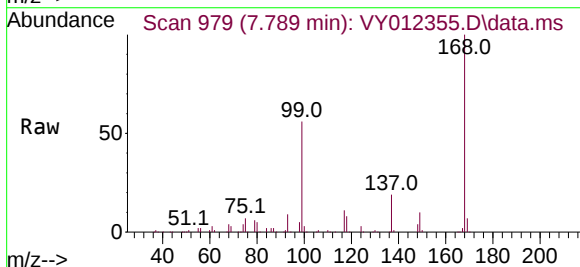
#35
Dibromofluoromethane
Concen: 56.192 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

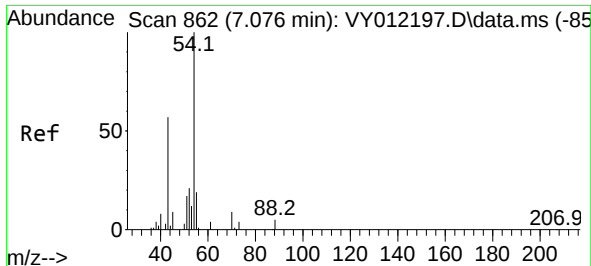
Tgt Ion:113 Resp: 80633
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 21.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.713 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

Tgt Ion: 75 Resp: 11494
Ion Ratio Lower Upper
75 100
110 11.3 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.385 ug/l

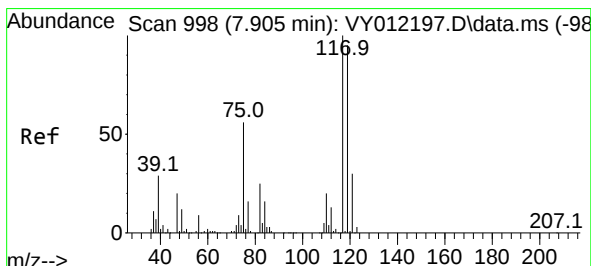
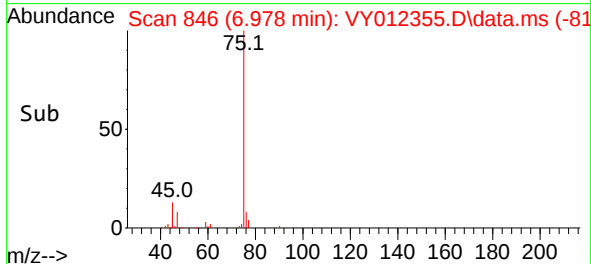
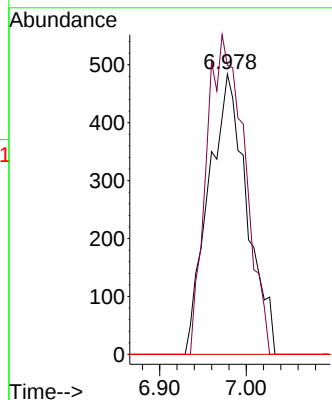
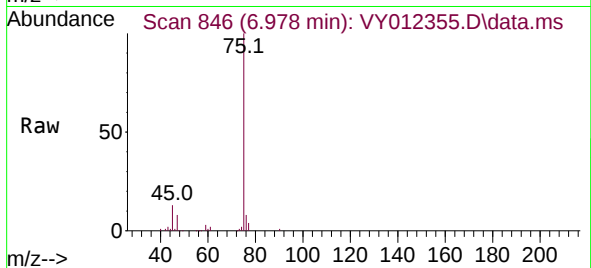
RT: 6.978 min Scan# 846

Delta R.T. -0.098 min

Lab File: VY012355.D

Acq: 25 Jan 2023 14:33

Tgt Ion:	43	Resp:	1489
Ion	Ratio	Lower	Upper
43	100		
61	112.9	11.3	16.9#
70	0.0	8.2	12.4#



#38

Carbon Tetrachloride

Concen: 5.189 ug/l

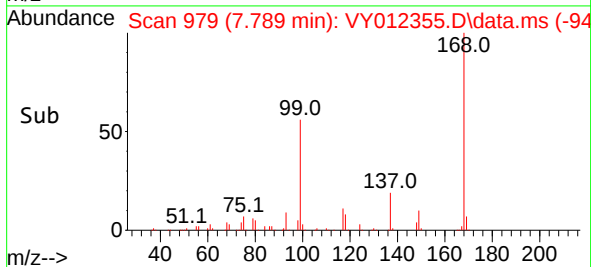
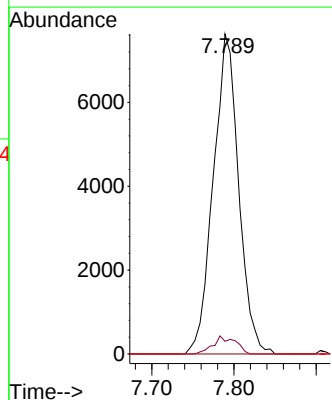
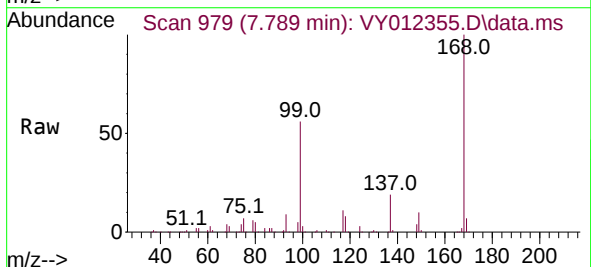
RT: 7.789 min Scan# 979

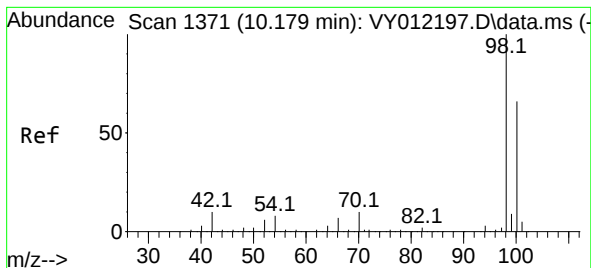
Delta R.T. -0.110 min

Lab File: VY012355.D

Acq: 25 Jan 2023 14:33

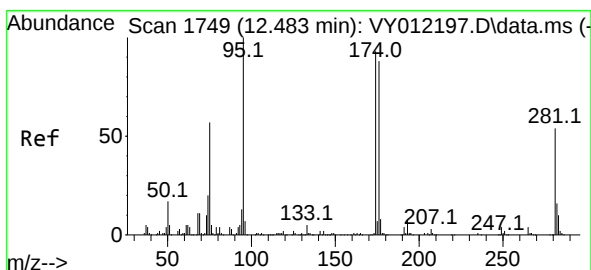
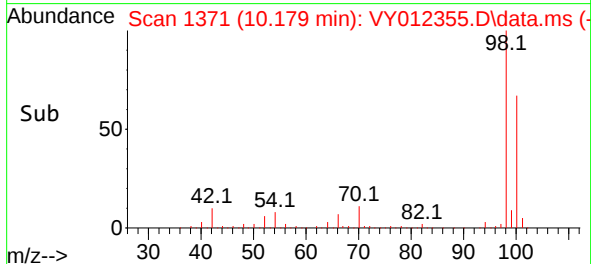
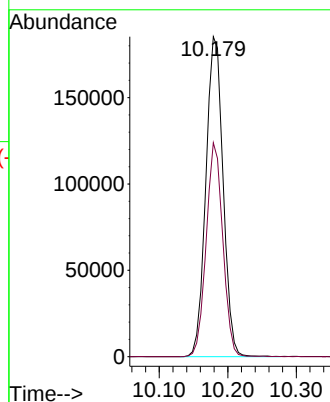
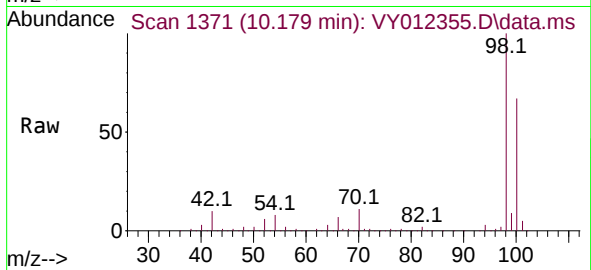
Tgt Ion:	117	Resp:	16345
Ion	Ratio	Lower	Upper
117	100		
119	3.9	73.8	110.8#
121	0.0	25.2	37.8#





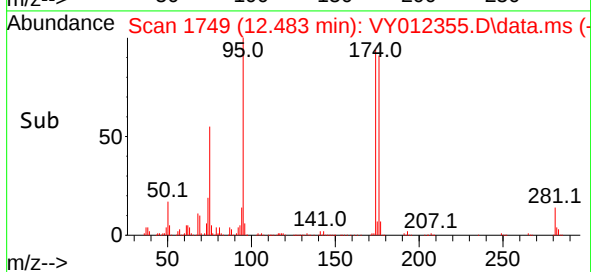
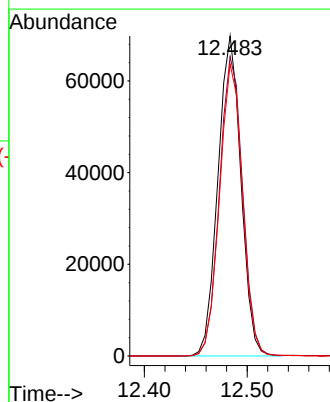
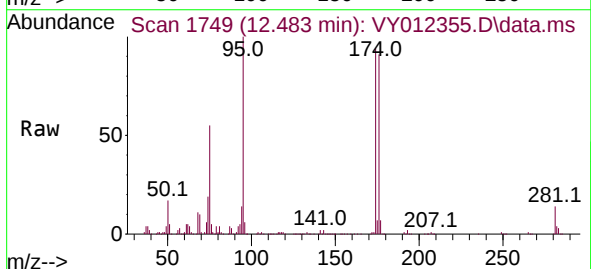
#50
Toluene-d8
Concen: 66.645 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

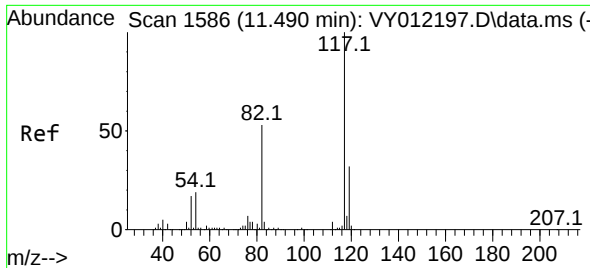
Tgt Ion: 98 Resp: 324179
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 53.552 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

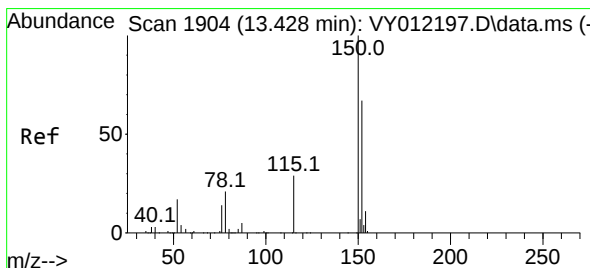
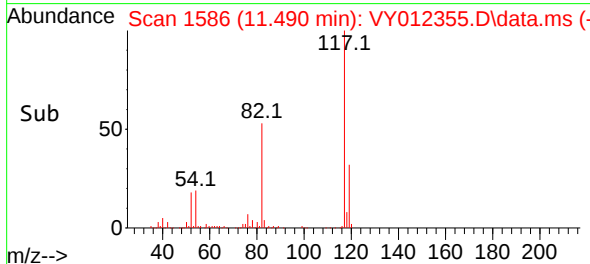
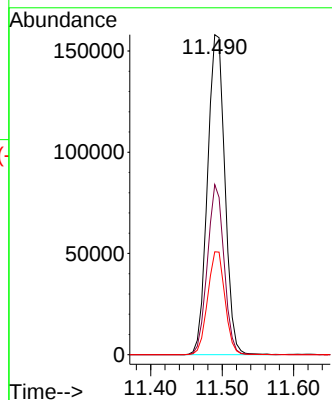
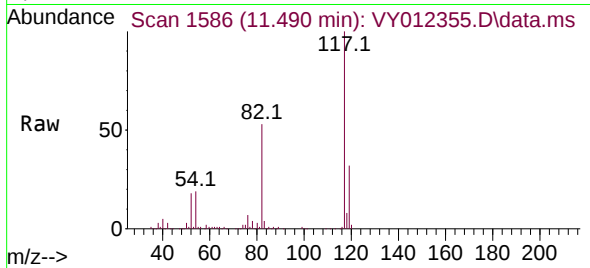
Tgt Ion: 95 Resp: 108326
Ion Ratio Lower Upper
95 100
174 94.3 0.0 172.0
176 91.1 0.0 167.6





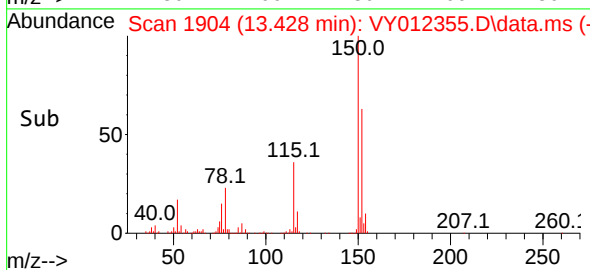
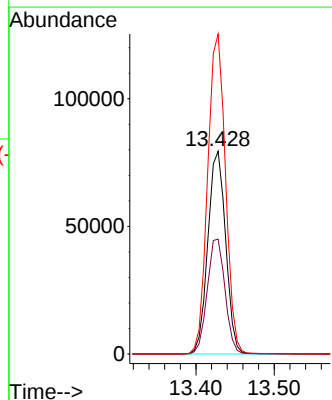
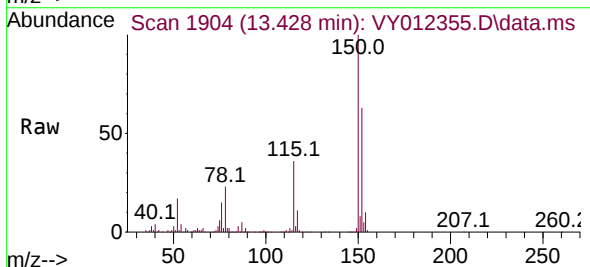
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

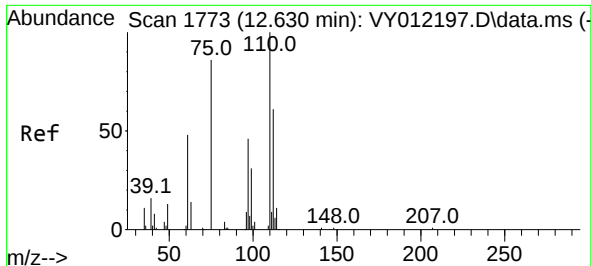
Tgt Ion:117 Resp: 266353
Ion Ratio Lower Upper
117 100
82 53.2 44.8 67.2
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

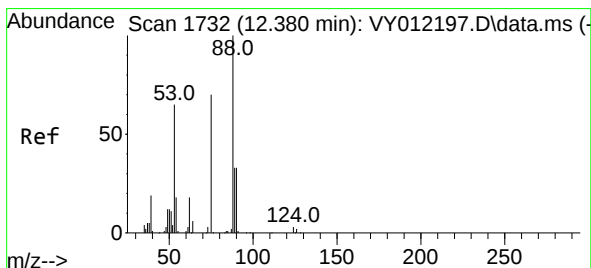
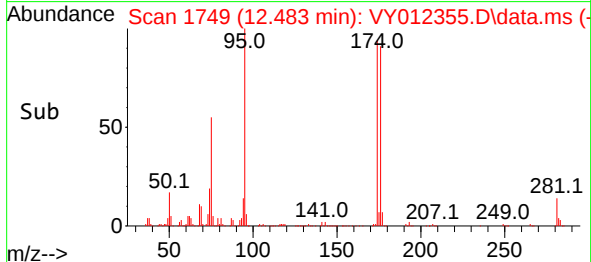
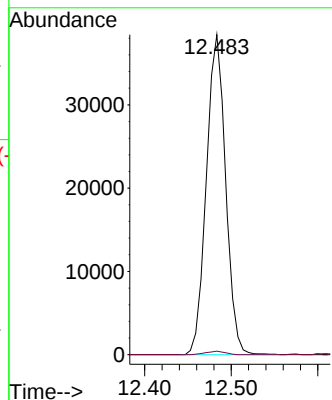
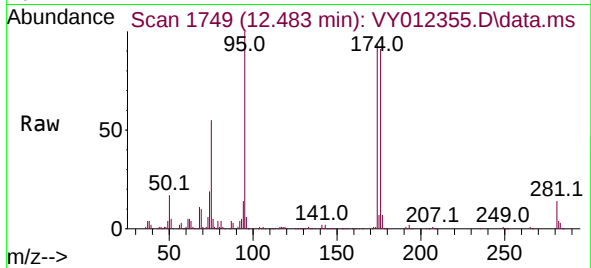
Tgt Ion:152 Resp: 125191
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.3
150 157.9 0.0 342.6





#76
1,2,3-Trichloropropane
Concen: 51.564 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

Tgt Ion: 75 Resp: 59359
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.244 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012355.D
Acq: 25 Jan 2023 14:33

Tgt Ion: 75 Resp: 59359
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#

