

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
 Data File : VY019990.D
 Acq On : 23 Oct 2024 13:35
 Operator : SY/MD
 Sample : P4487-05
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 23 23:07:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

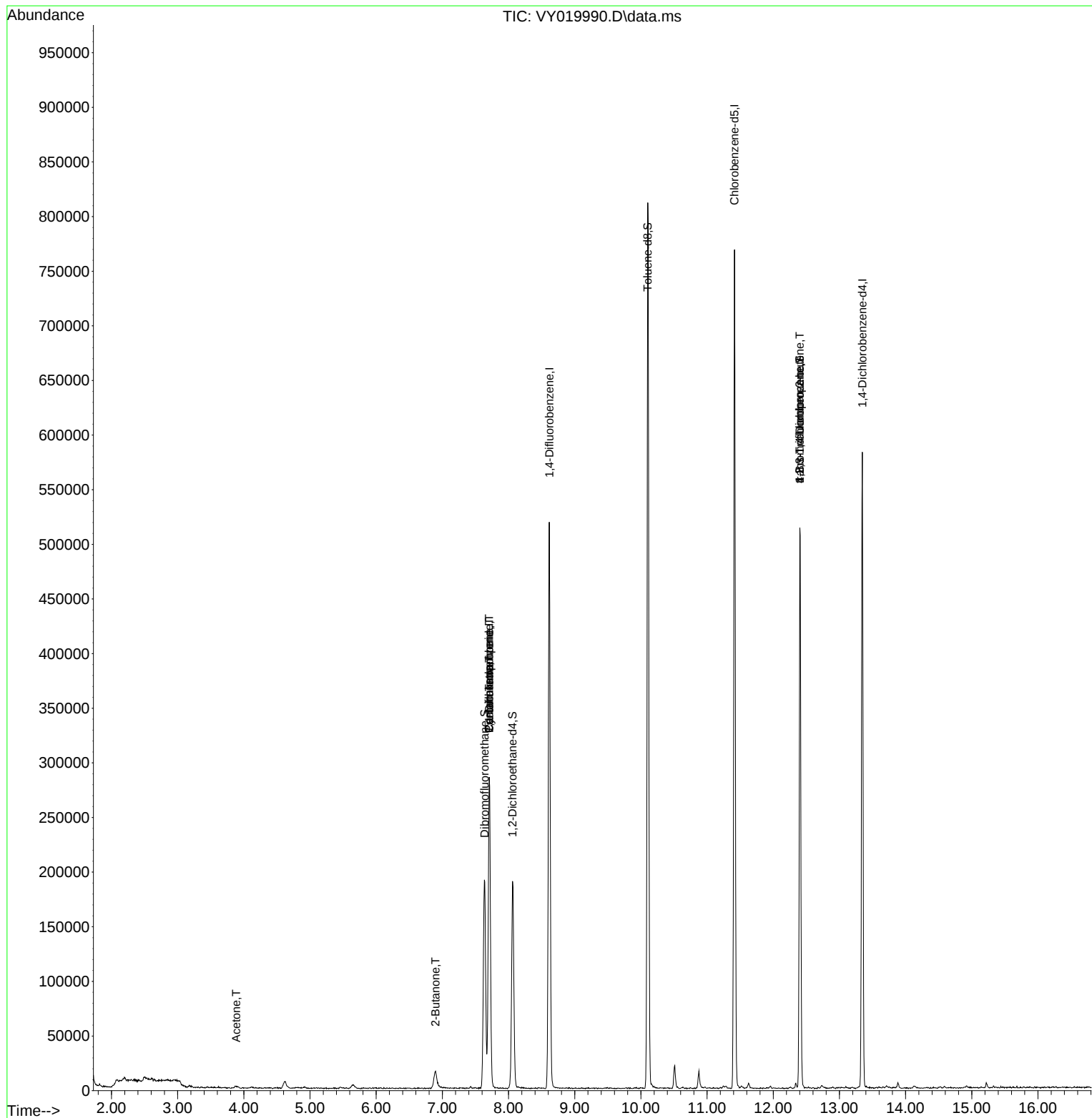
Internal Standards						
1) Pentafluorobenzene	7.707	168	198616	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	403061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	366132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145586	59.531	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.060%	
35) Dibromofluoromethane	7.640	113	136023	51.141	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.280%	
50) Toluene-d8	10.103	98	502223	51.132	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.260%	
62) 4-Bromofluorobenzene	12.401	95	153800	43.336	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 86.680%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	180	Below Cal	#	37
16) Acetone	3.885	43	3398	5.338	ug/l #	57
25) 2-Butanone	6.896	43	1489	1.747	ug/l #	85
31) Cyclohexane	7.707	56	6451	1.579	ug/l #	55
36) 1,1-Dichloropropene	7.707	75	20473	5.343	ug/l #	48
38) Carbon Tetrachloride	7.707	117	22429	5.460	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	91686	35.882	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	91686	144.834	ug/l #	16

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

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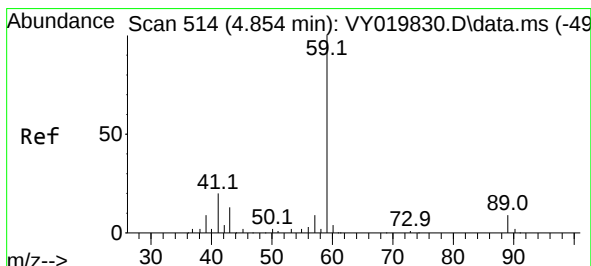
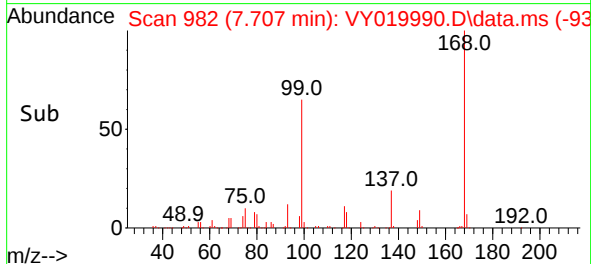
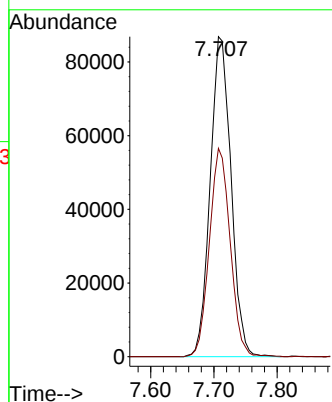
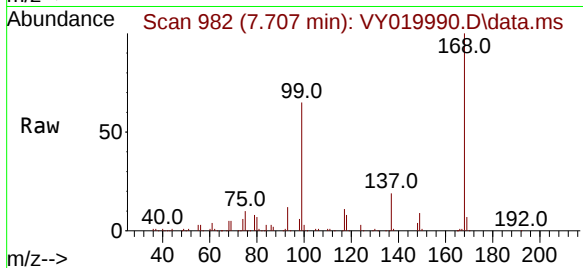




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

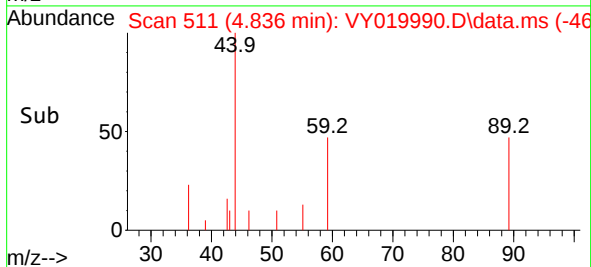
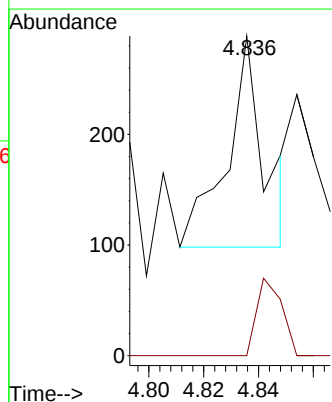
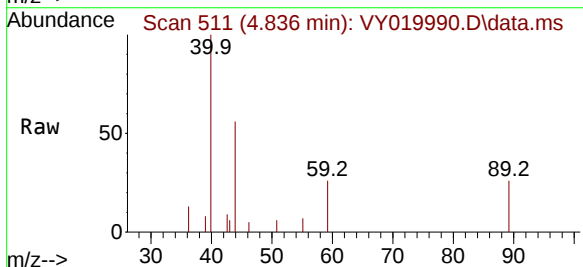
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 198616
Ion Ratio Lower Upper
168 100
99 65.1 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 24.4 3.0 4.6#

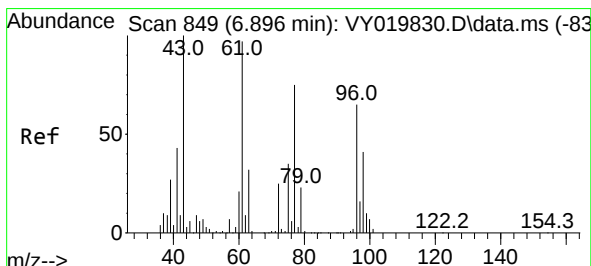
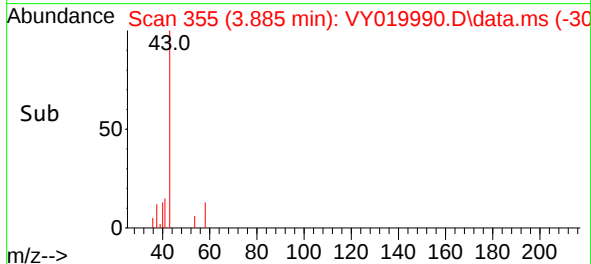
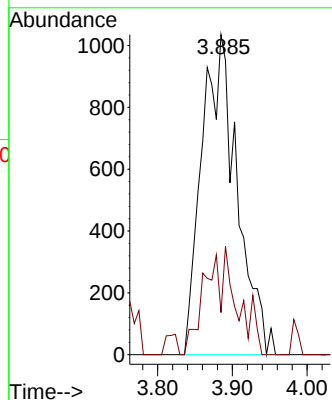
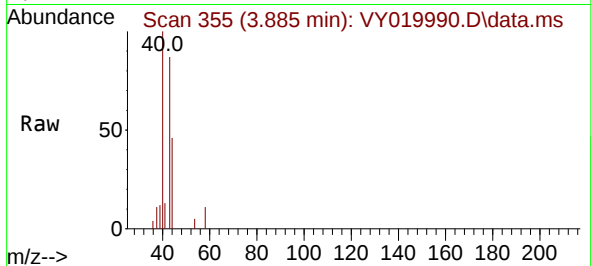




#16
Acetone
Concen: 5.338 ug/l
RT: 3.885 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

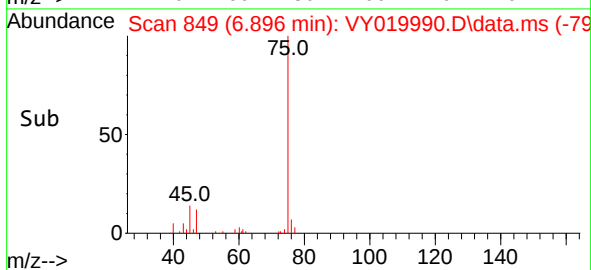
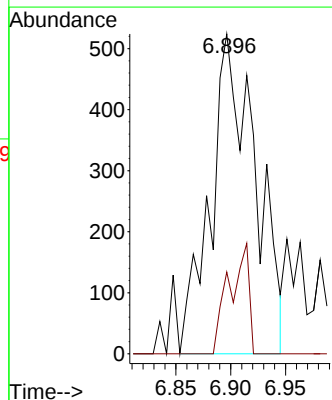
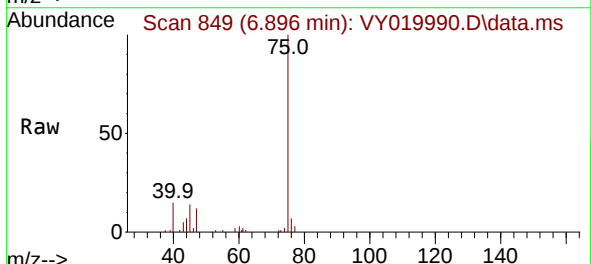
Instrument :
MSVOA_Y
ClientSampleId :

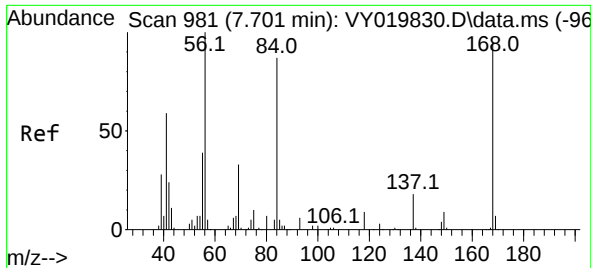
Tgt Ion: 43 Resp: 3398
Ion Ratio Lower Upper
43 100
58 13.1 31.7 47.5#



#25
2-Butanone
Concen: 1.747 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
72 25.6 27.3 40.9#

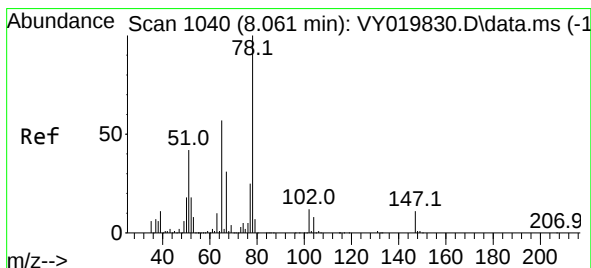
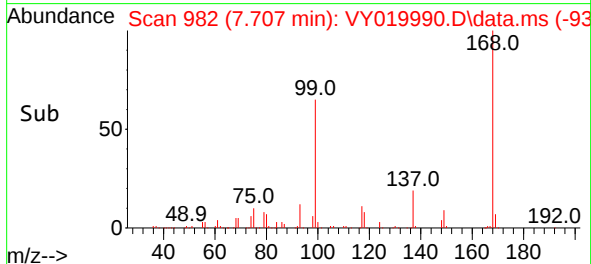
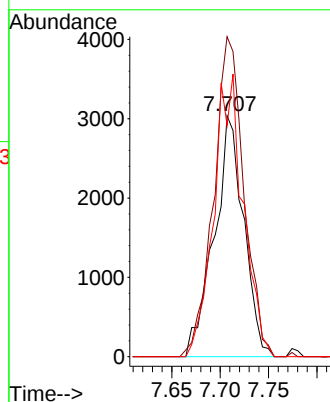
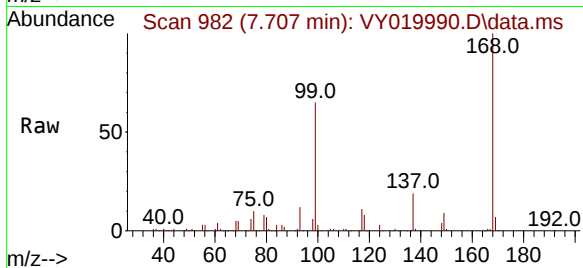




#31
Cyclohexane
Concen: 1.579 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

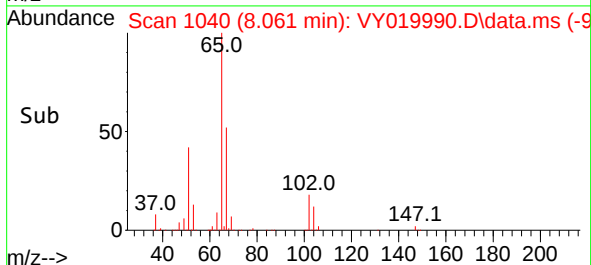
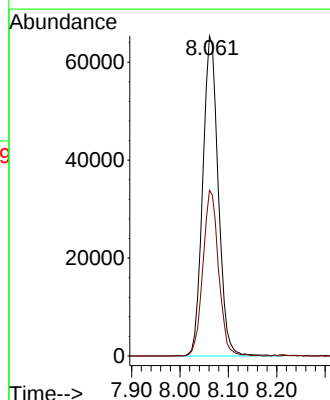
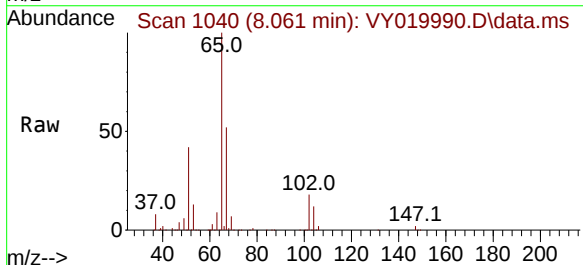
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 6451
Ion Ratio Lower Upper
56 100
69 132.8 28.7 43.1#
84 96.0 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 59.531 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

Tgt Ion: 65 Resp: 145586
Ion Ratio Lower Upper
65 100
67 52.3 0.0 109.6

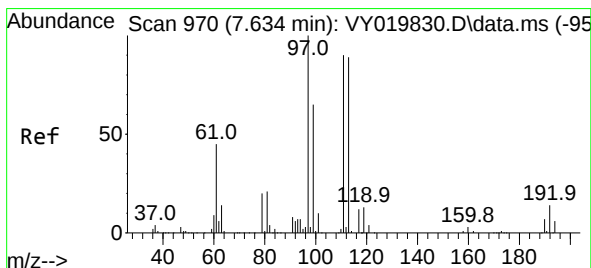
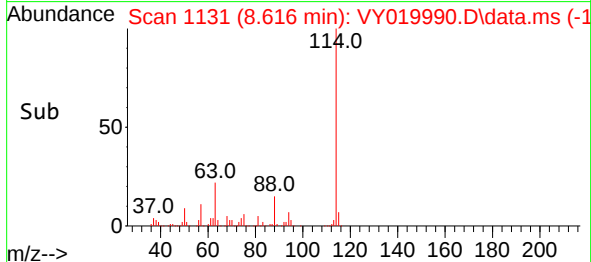
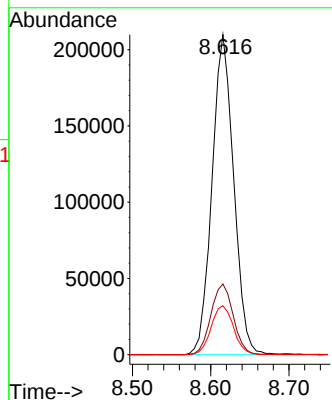
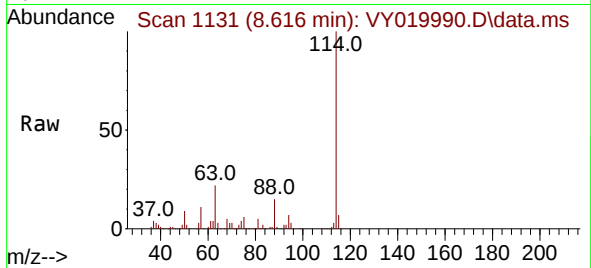




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

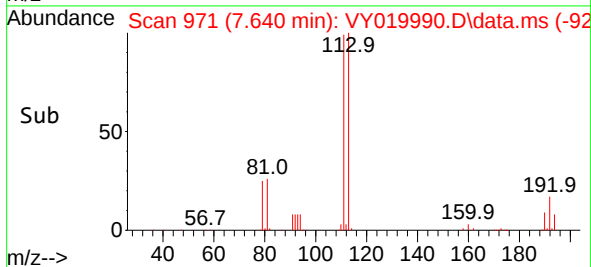
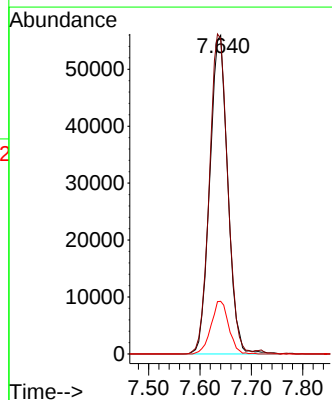
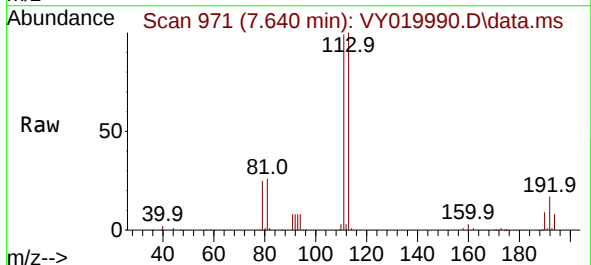
Instrument :
MSVOA_Y
ClientSampleId :

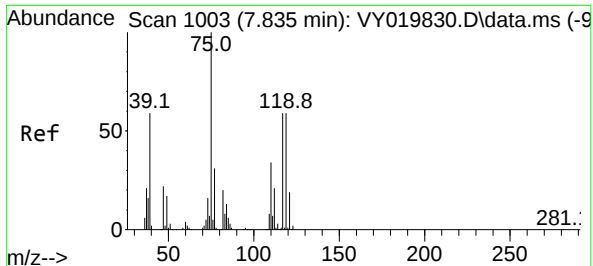
Tgt Ion:114 Resp: 403061
Ion Ratio Lower Upper
114 100
63 22.1 0.0 35.0
88 15.3 0.0 27.2



#35
Dibromofluoromethane
Concen: 51.141 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

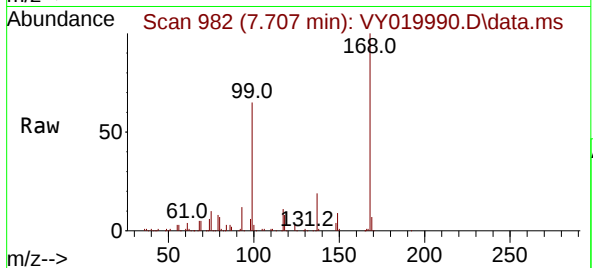
Tgt Ion:113 Resp: 136023
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 16.2 15.9 23.9



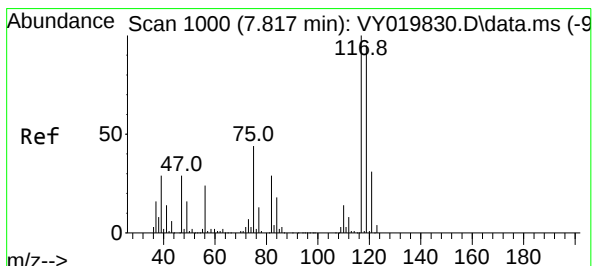
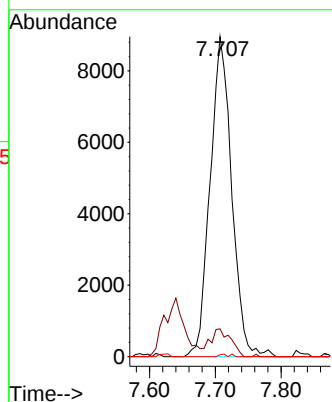
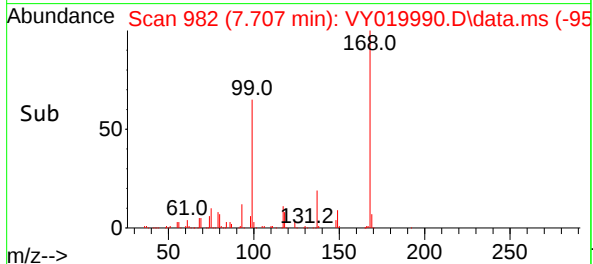


#36
 1,1-Dichloropropene
 Concen: 5.343 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY019990.D
 Acq: 23 Oct 2024 13:35

Instrument :
 MSVOA_Y
 ClientSampleId :

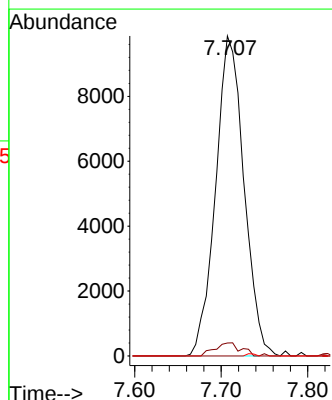
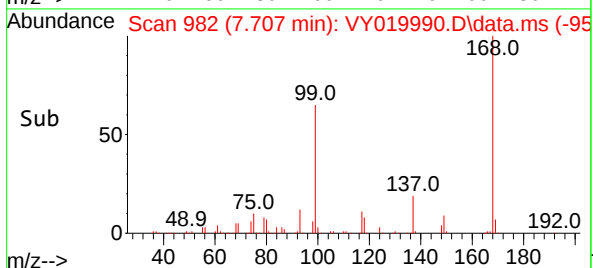
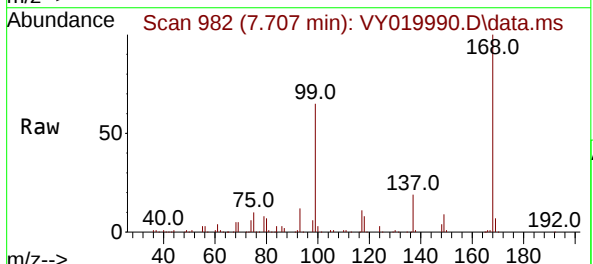


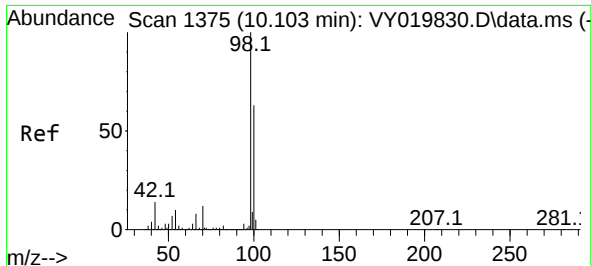
Tgt Ion: 75 Resp: 20473
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.0 57.0#
 77 0.4 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.460 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY019990.D
 Acq: 23 Oct 2024 13:35

Tgt Ion: 117 Resp: 22429
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.8 113.6#
 121 0.0 24.0 36.0#

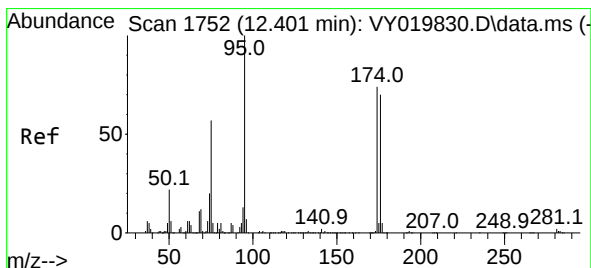
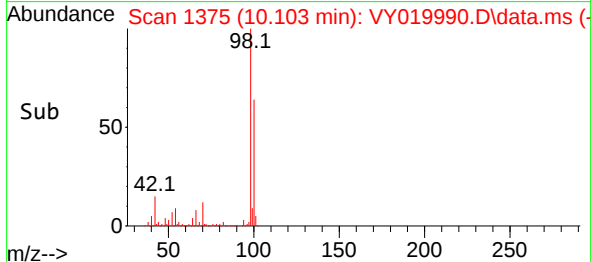
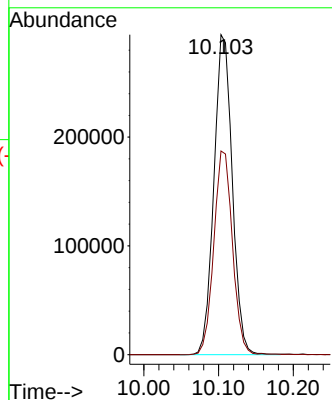
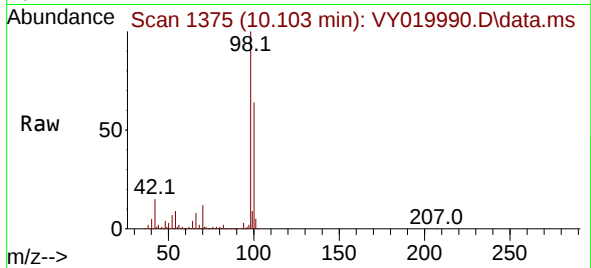




#50
Toluene-d8
Concen: 51.132 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

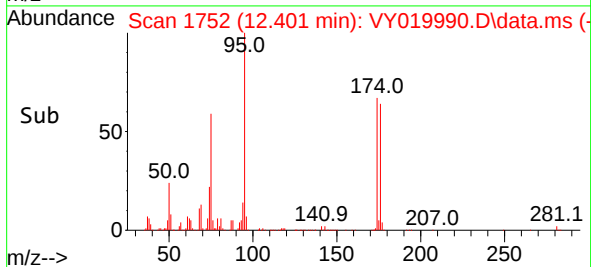
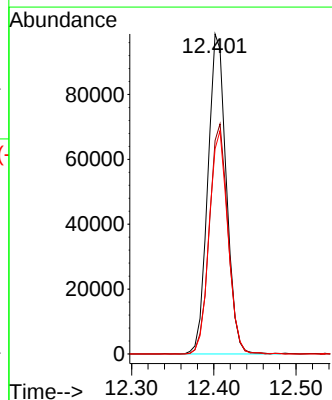
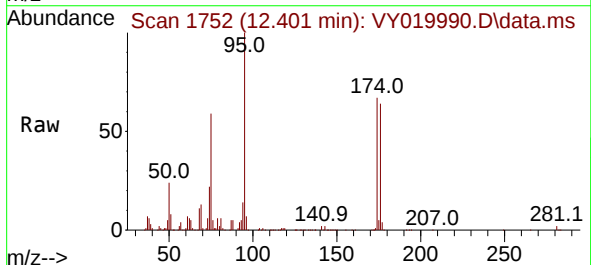
Instrument :
MSVOA_Y
ClientSampleId :

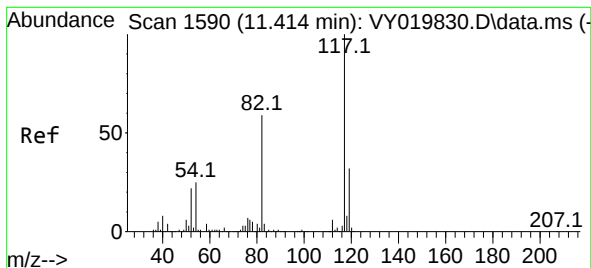
Tgt Ion: 98 Resp: 502223
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.336 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

Tgt Ion: 95 Resp: 153800
Ion Ratio Lower Upper
95 100
174 72.1 0.0 175.6
176 70.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019990.D

Acq: 23 Oct 2024 13:35

Instrument :

MSVOA_Y

ClientSampleId :

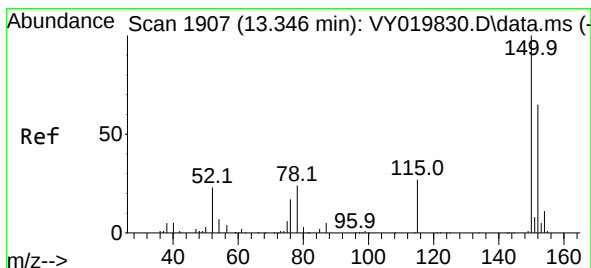
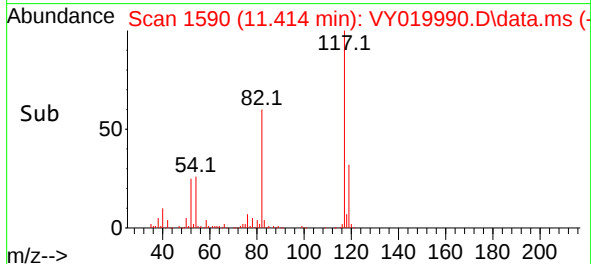
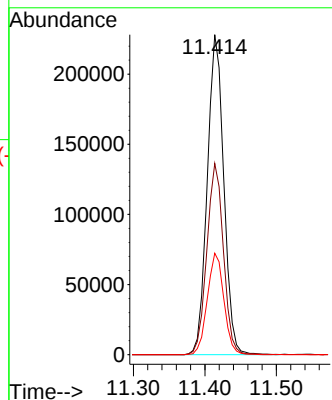
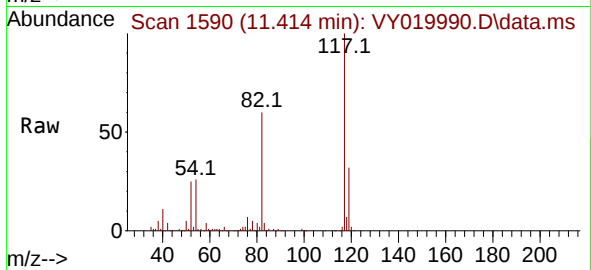
Tgt Ion:117 Resp: 366132

Ion Ratio Lower Upper

117 100

82 59.8 42.4 63.6

119 31.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019990.D

Acq: 23 Oct 2024 13:35

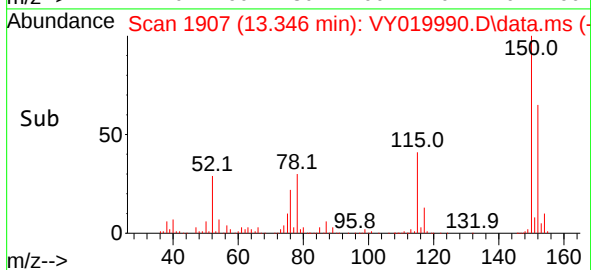
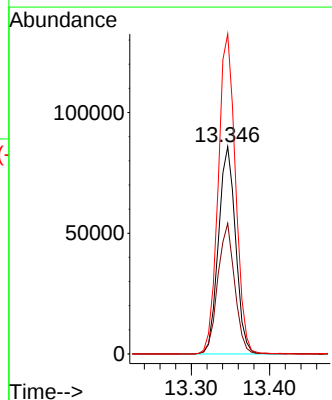
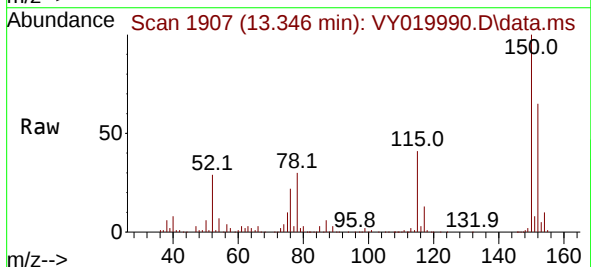
Tgt Ion:152 Resp: 130434

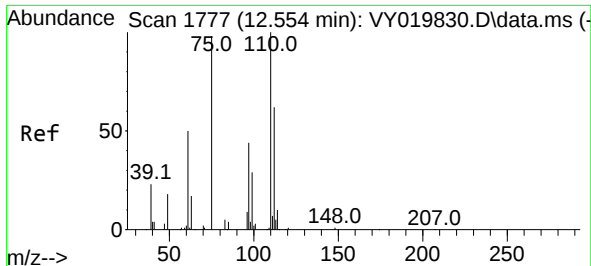
Ion Ratio Lower Upper

152 100

115 62.3 28.2 84.7

150 156.1 0.0 345.6

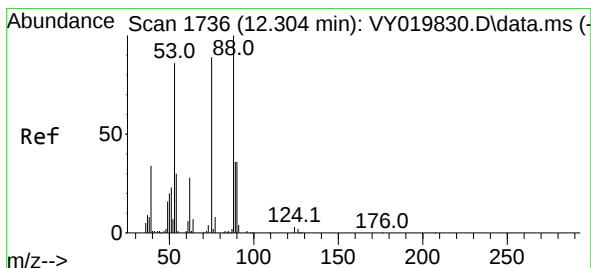
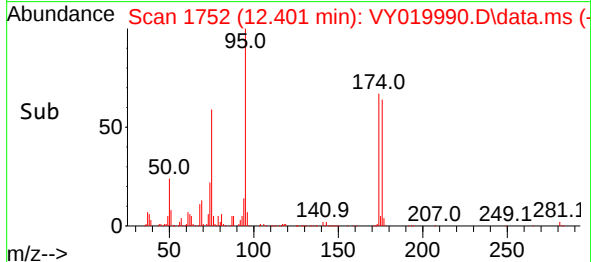
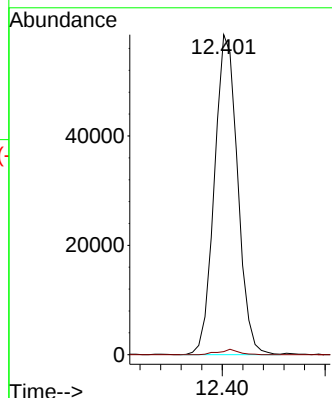
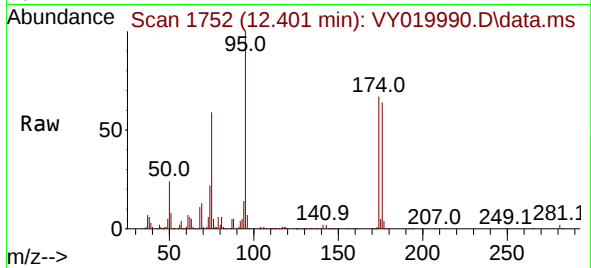




#76
1,2,3-Trichloropropane
Concen: 35.882 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 91686
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.834 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019990.D
Acq: 23 Oct 2024 13:35

Tgt Ion: 75 Resp: 91686
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.2 35.8 53.6#

