

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081324\
 Data File : VY019024.D
 Acq On : 13 Aug 2024 13:03
 Operator : SY/MD
 Sample : P3519-01
 Misc : 4.80g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 01:35:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

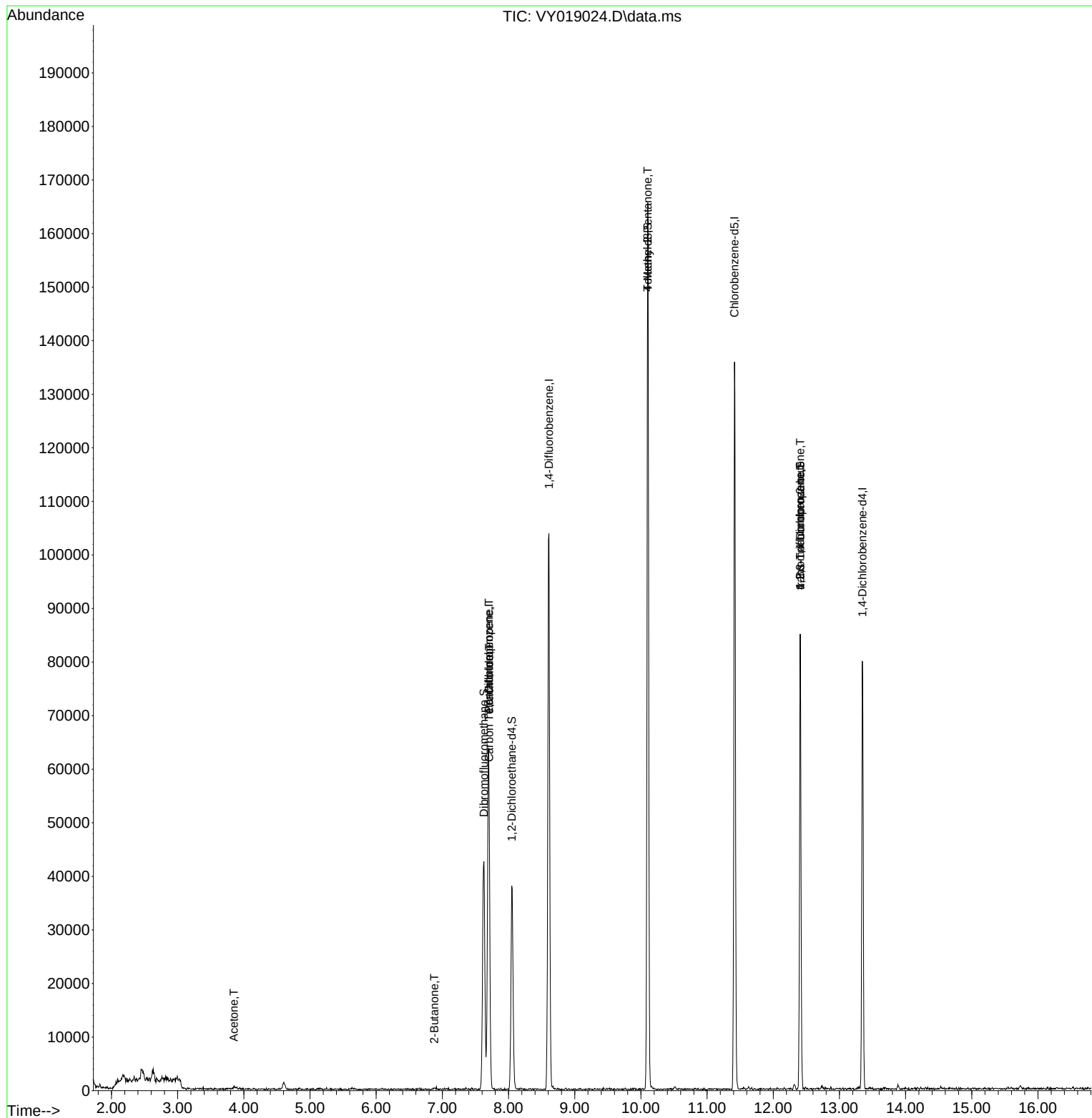
Internal Standards						
1) Pentafluorobenzene	7.701	168	51416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	90140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	67851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	18919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	23343	51.709	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.420%			
35) Dibromofluoromethane	7.628	113	27819	48.321	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.640%			
50) Toluene-d8	10.103	98	101073	45.707	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.420%			
62) 4-Bromofluorobenzene	12.407	95	20041	30.548	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 61.100%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.172	50	119	Below Cal	#	43
11) Tert butyl alcohol	4.854	59	42	Below Cal	#	88
13) Acrolein	3.409	56	21	Below Cal	#	15
16) Acetone	3.848	43	1007	20.728	ug/l	98
20) Methylene Chloride	4.610	84	872	Below Cal	#	64
25) 2-Butanone	6.878	43	330	2.258	ug/l	41
31) Cyclohexane	7.695	56	1317	Below Cal	#	33
36) 1,1-Dichloropropene	7.701	75	3715	4.807	ug/l	49
38) Carbon Tetrachloride	7.707	117	4473	5.048	ug/l	17
41) Methacrylonitrile	7.238	41	19	Below Cal	#	23
51) 4-Methyl-2-Pentanone	10.103	43	603	1.628	ug/l	1
76) 1,2,3-Trichloropropane	12.407	75	11769	83.501	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.407	75	11769	172.062	ug/l	16

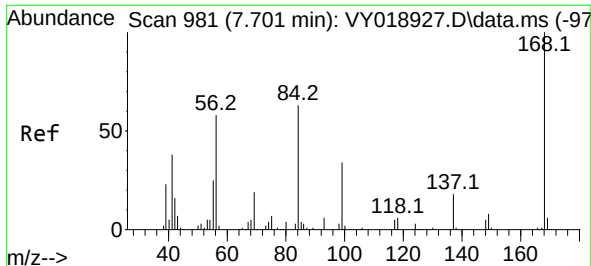
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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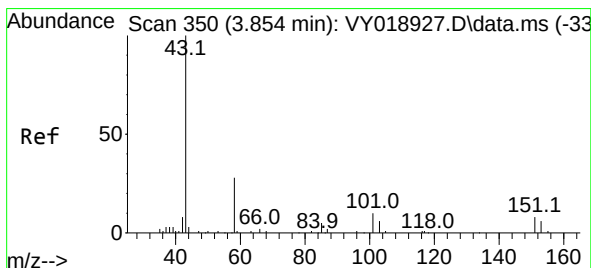
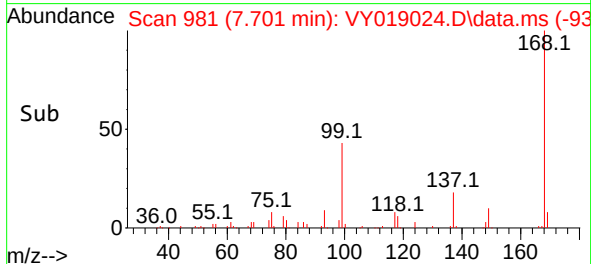
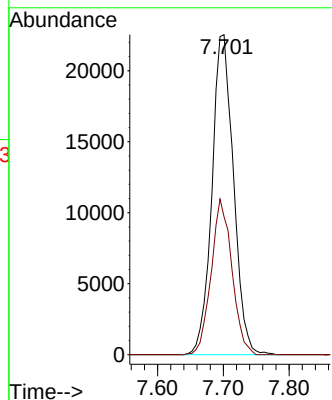
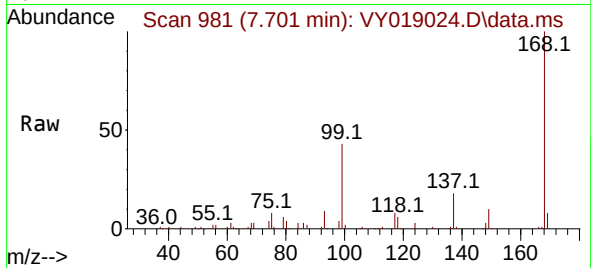




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019024.D
Acq: 13 Aug 2024 13:03

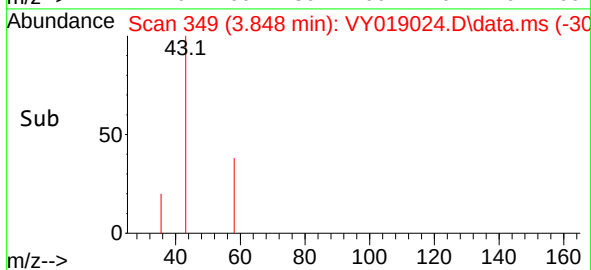
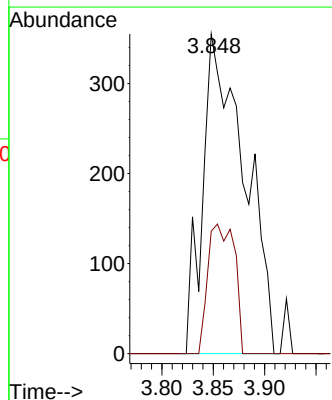
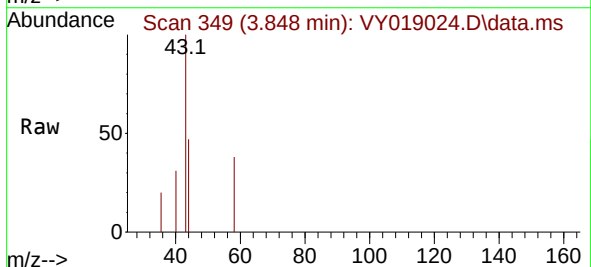
Instrument :
MSVOA_Y
ClientSampleId :

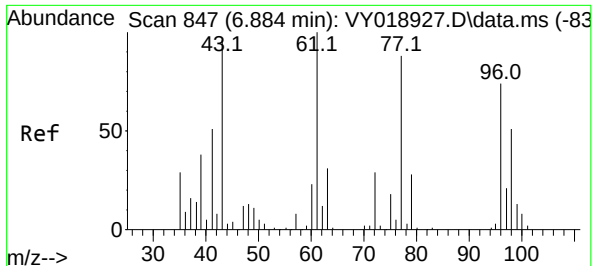
Tgt Ion:168 Resp: 51416
Ion Ratio Lower Upper
168 100
99 43.1 39.1 58.7



#16
Acetone
Concen: 20.728 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY019024.D
Acq: 13 Aug 2024 13:03

Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
58 38.3 31.7 47.5

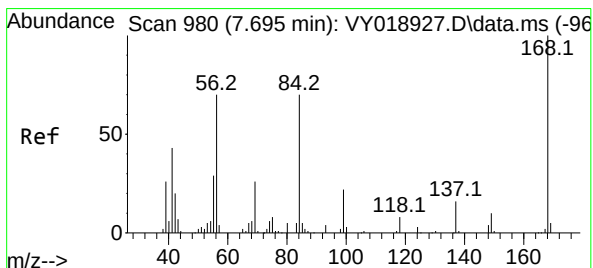
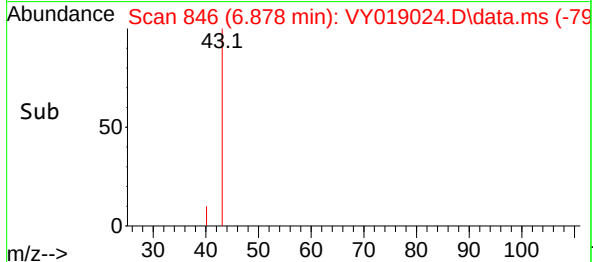
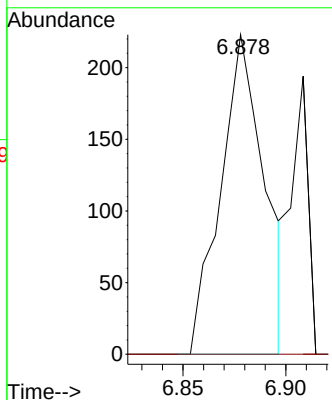
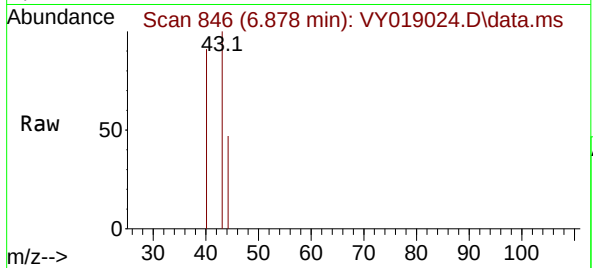




#25
2-Butanone
Concen: 2.258 ug/l
RT: 6.878 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY019024.D
Acq: 13 Aug 2024 13:03

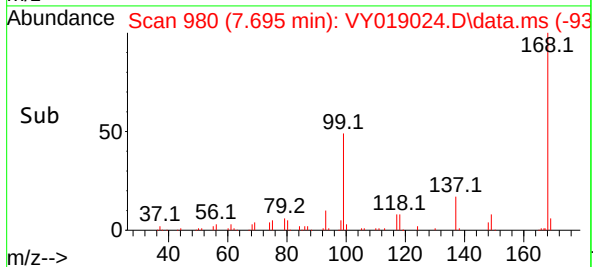
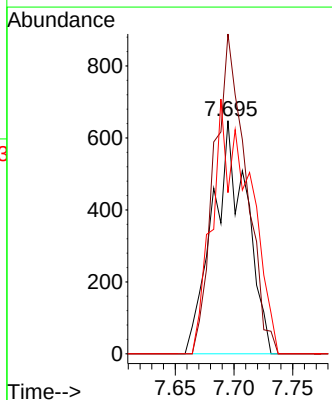
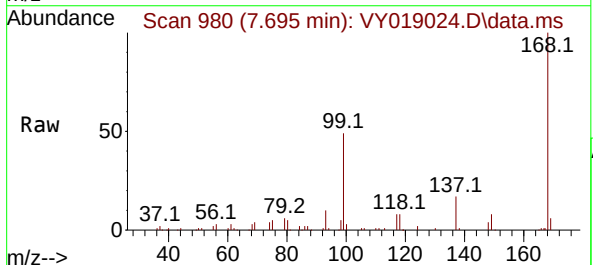
Instrument :
MSVOA_Y
ClientSampleId :

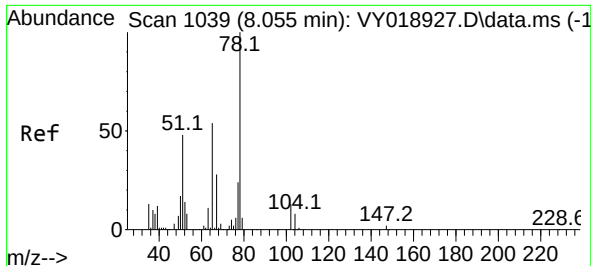
Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY019024.D
Acq: 13 Aug 2024 13:03

Tgt Ion: 56 Resp: 1317
Ion Ratio Lower Upper
56 100
69 137.2 28.7 43.1#
84 69.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 51.709 ug/l

RT: 8.049 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY019024.D

Acq: 13 Aug 2024 13:03

Instrument :

MSVOA_Y

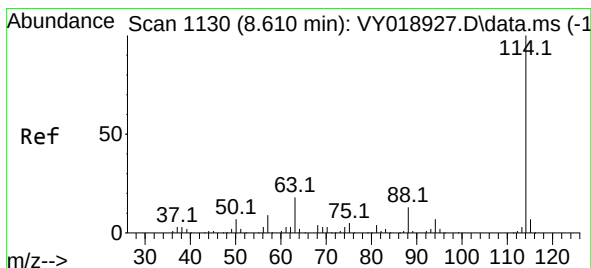
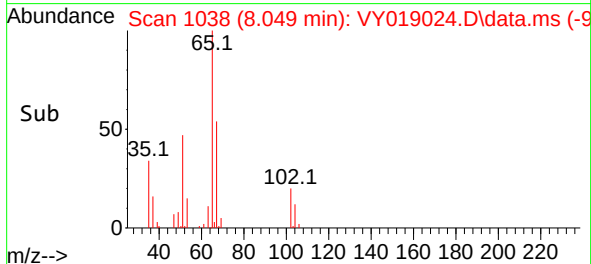
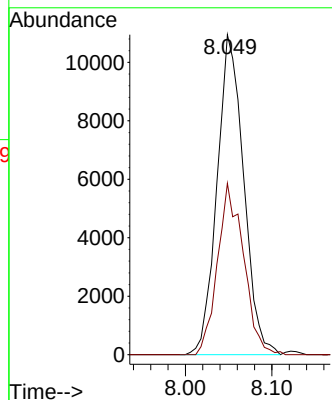
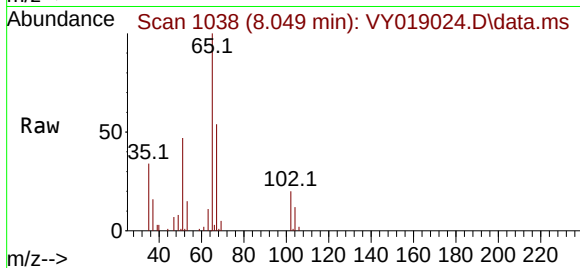
ClientSampleId :

Tgt Ion: 65 Resp: 23343

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY019024.D

Acq: 13 Aug 2024 13:03

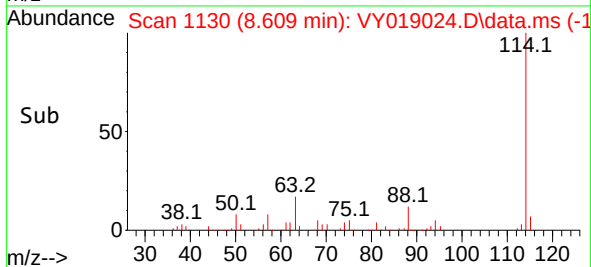
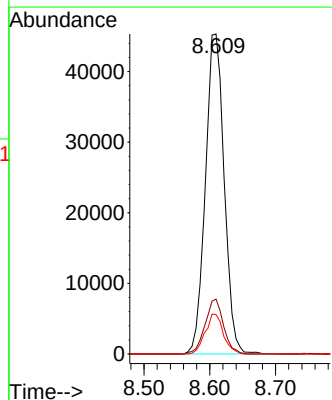
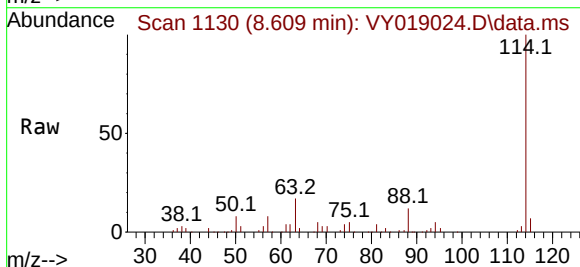
Tgt Ion: 114 Resp: 90140

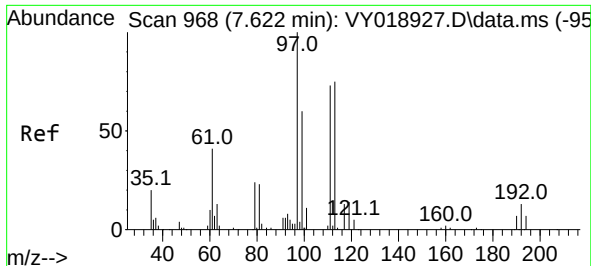
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

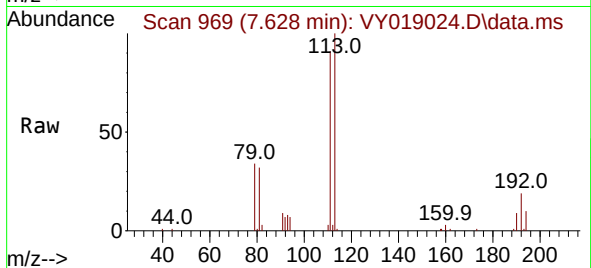
88 12.3 0.0 27.2



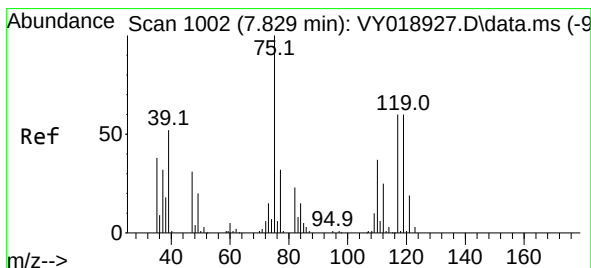
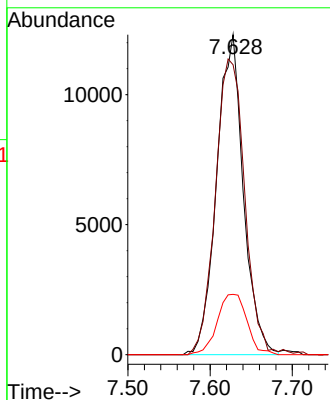
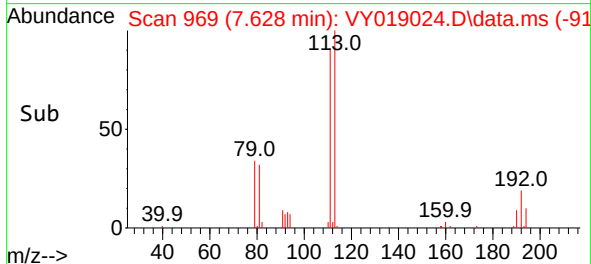


#35
 Dibromofluoromethane
 Concen: 48.321 ug/l
 RT: 7.628 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VY019024.D
 Acq: 13 Aug 2024 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :

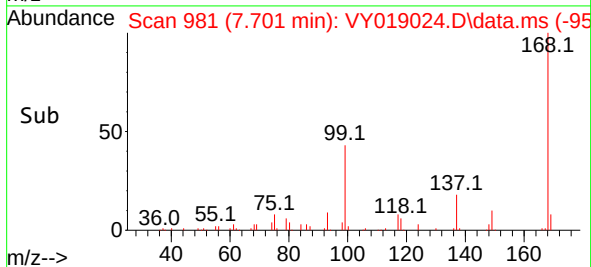
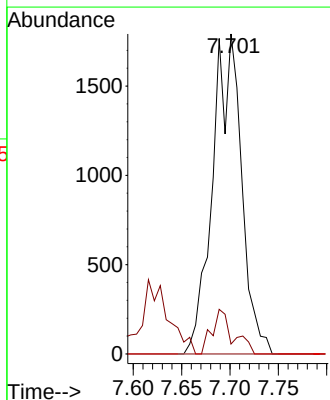
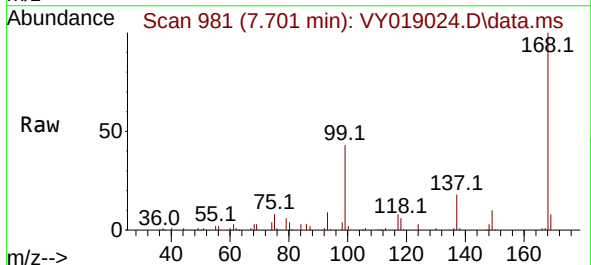


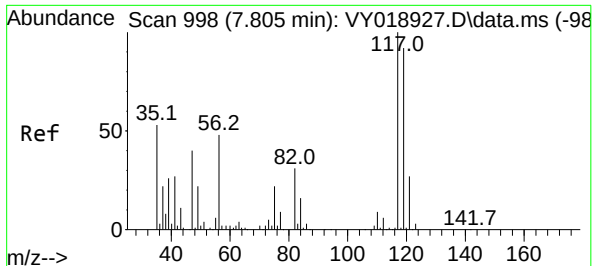
Tgt Ion:113 Resp: 27819
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.4
 192 21.0 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 4.807 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.128 min
 Lab File: VY019024.D
 Acq: 13 Aug 2024 13:03

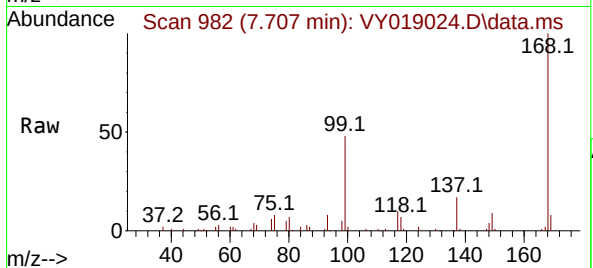
Tgt Ion: 75 Resp: 3715
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.0 57.0#
 77 0.0 25.3 37.9#



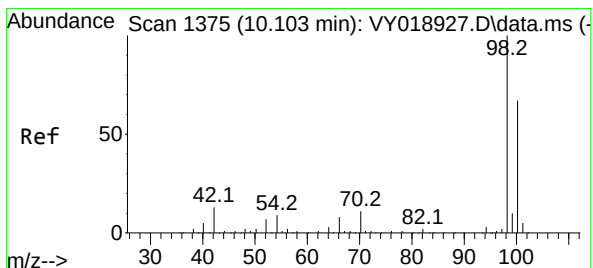
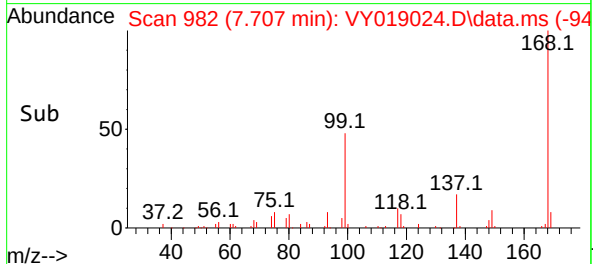
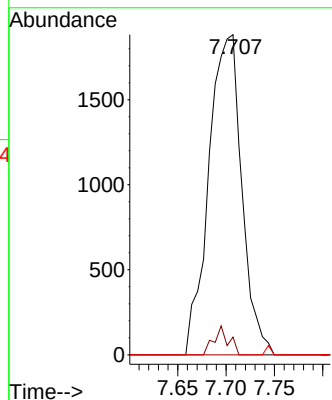


#38
Carbon Tetrachloride
Concen: 5.048 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY019024.D
Acq: 13 Aug 2024 13:03

Instrument :
MSVOA_Y
ClientSampleId :

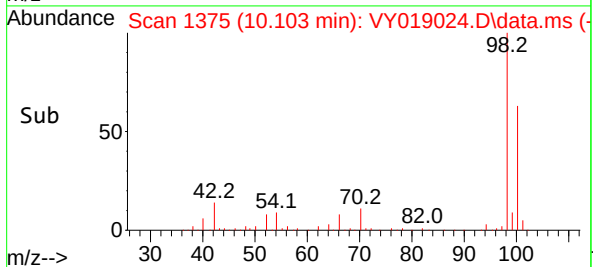
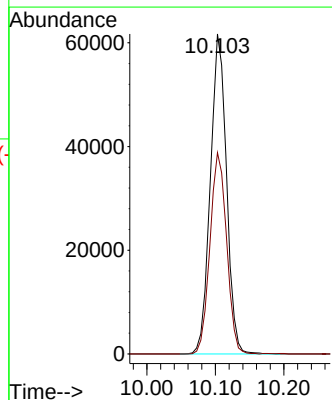
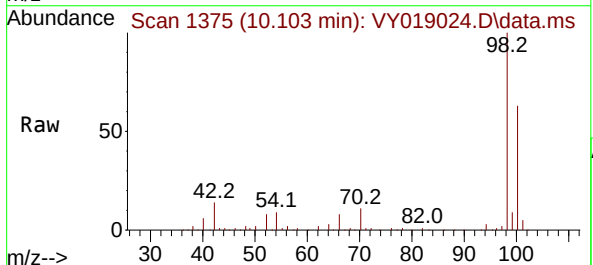


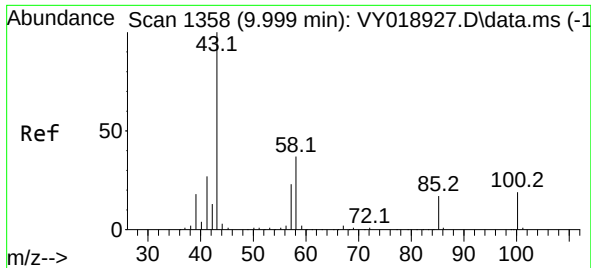
Tgt Ion:117 Resp: 4473
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 45.707 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY019024.D
Acq: 13 Aug 2024 13:03

Tgt Ion: 98 Resp: 101073
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.628 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY019024.D

Acq: 13 Aug 2024 13:03

Instrument :

MSVOA_Y

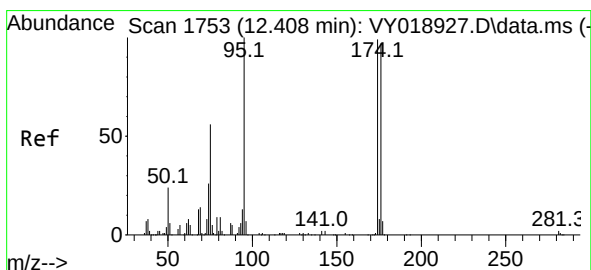
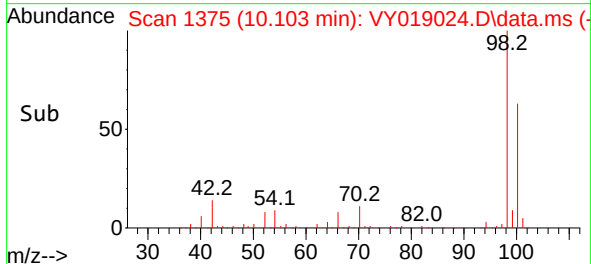
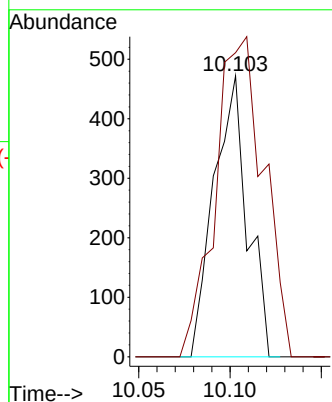
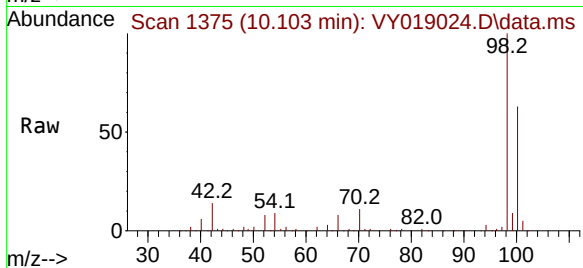
ClientSampleId :

Tgt Ion: 43 Resp: 603

Ion Ratio Lower Upper

43 100

58 164.2 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 30.548 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY019024.D

Acq: 13 Aug 2024 13:03

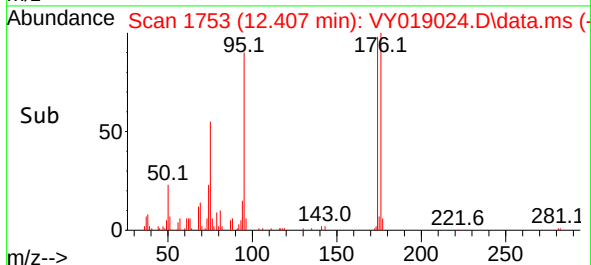
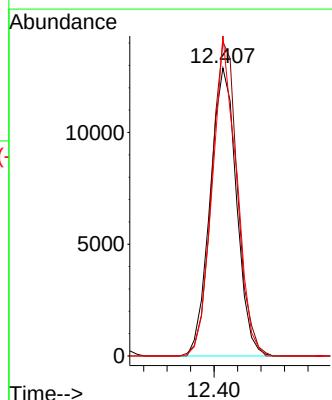
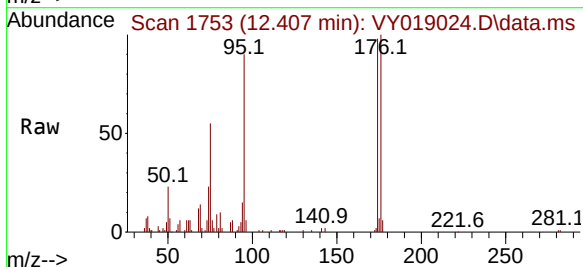
Tgt Ion: 95 Resp: 20041

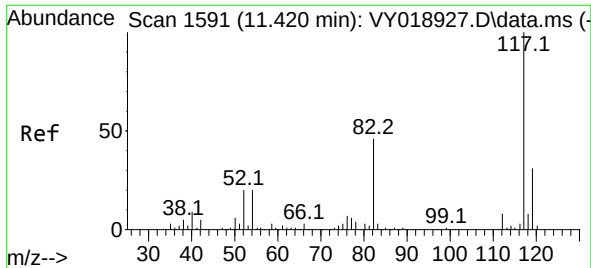
Ion Ratio Lower Upper

95 100

174 107.1 0.0 175.6

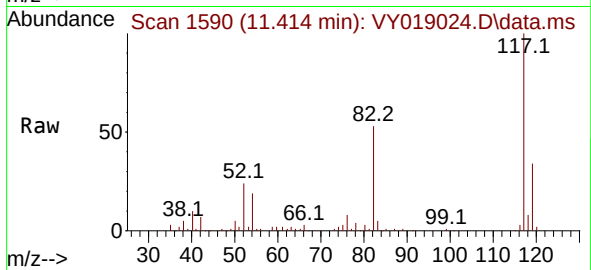
176 101.9 0.0 171.4



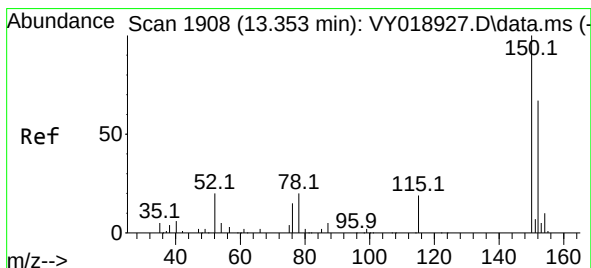
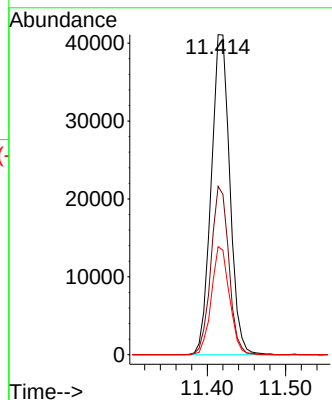
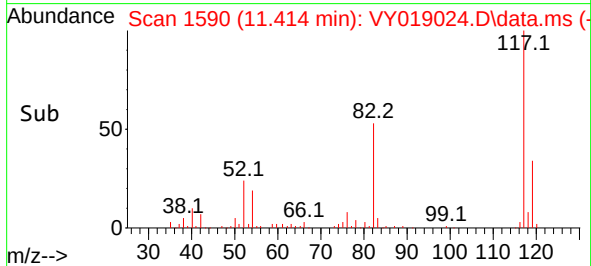


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019024.D
Acq: 13 Aug 2024 13:03

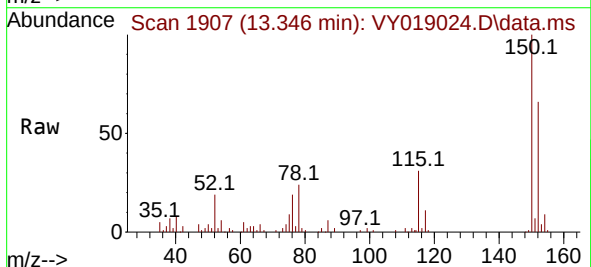
Instrument :
MSVOA_Y
ClientSampleId :



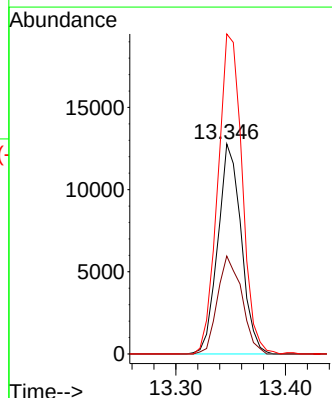
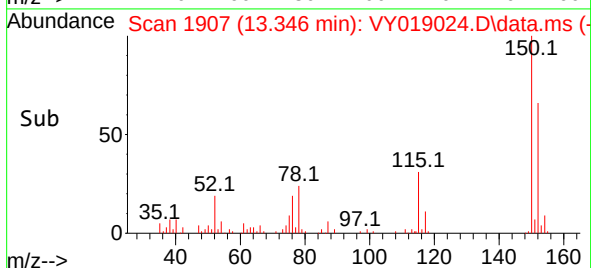
Tgt Ion:117 Resp: 67851
Ion Ratio Lower Upper
117 100
82 52.6 42.4 63.6
119 33.8 25.9 38.9

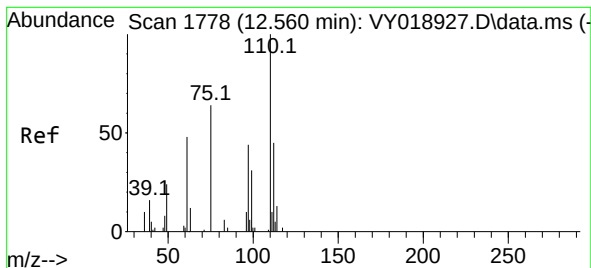


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY019024.D
Acq: 13 Aug 2024 13:03



Tgt Ion:152 Resp: 18919
Ion Ratio Lower Upper
152 100
115 48.5 28.2 84.7
150 158.8 0.0 345.6

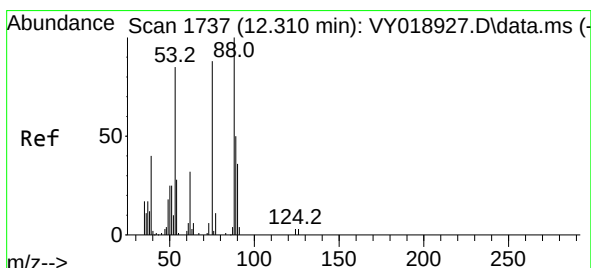
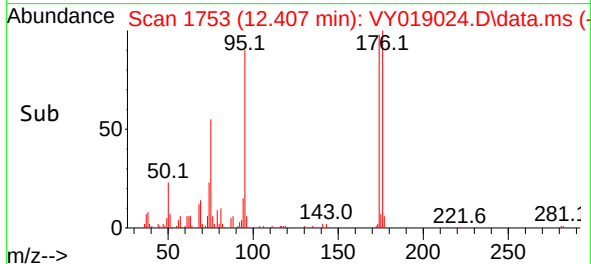
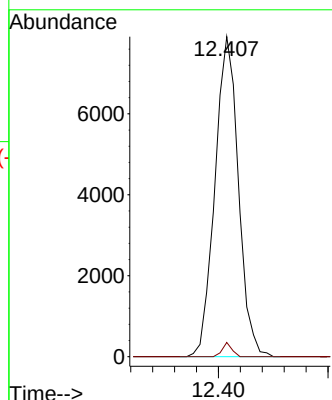
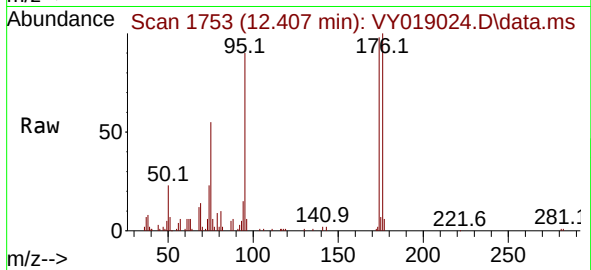




#76
1,2,3-Trichloropropane
Concen: 83.501 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY019024.D
Acq: 13 Aug 2024 13:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 11769
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 172.062 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY019024.D
Acq: 13 Aug 2024 13:03

Tgt Ion: 75 Resp: 11769
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

