

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081224\
 Data File : VY019000.D
 Acq On : 12 Aug 2024 14:21
 Operator : SY/MD
 Sample : P3519-13
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-22-080724

Quant Time: Aug 13 01:14:56 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)

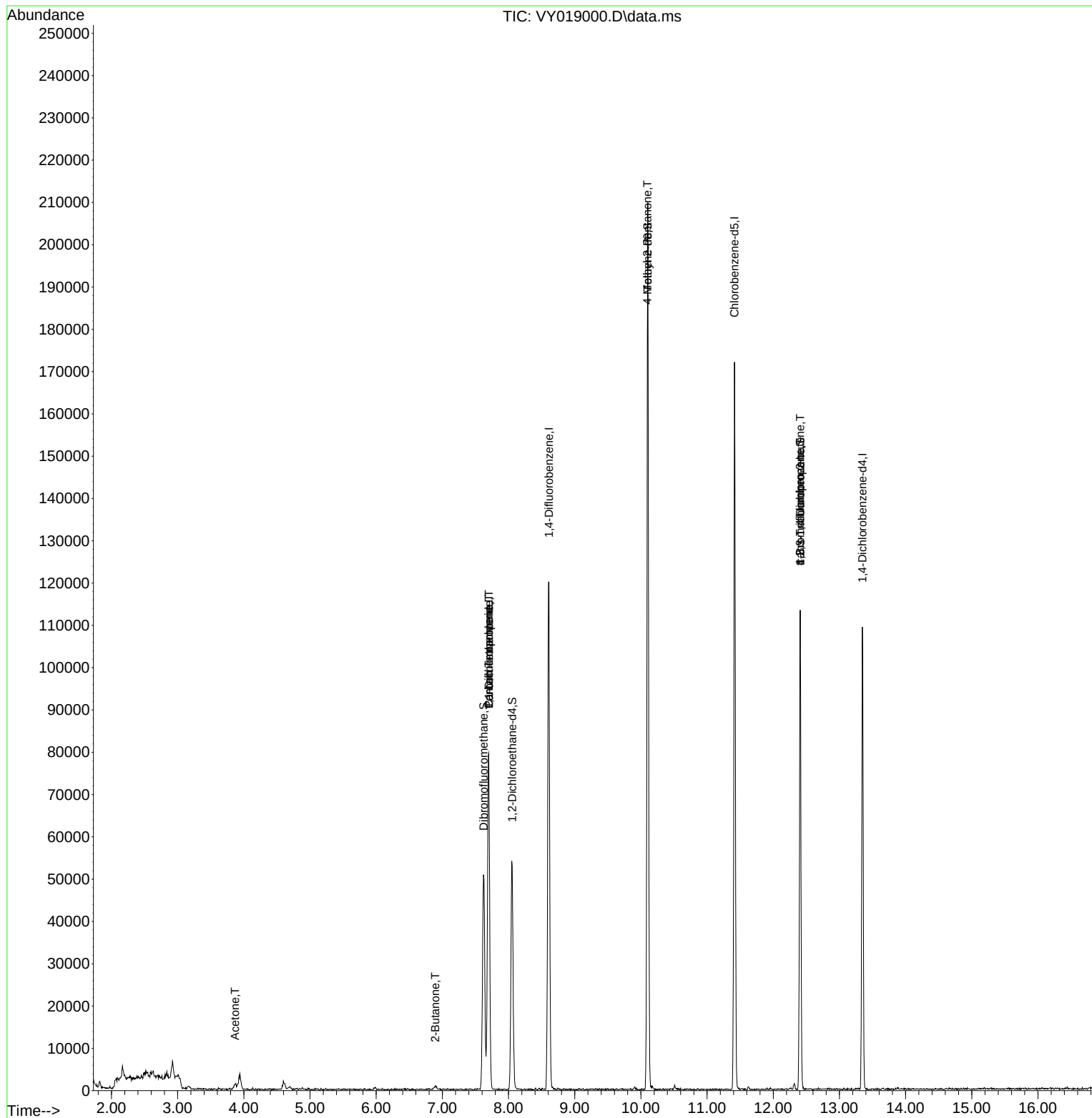
Internal Standards						
1) Pentafluorobenzene	7.701	168	64622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	104190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	82489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	25385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	34215	60.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.600%	
35) Dibromofluoromethane	7.622	113	33439	50.250	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.500%	
50) Toluene-d8	10.103	98	123666	48.382	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.760%	
62) 4-Bromofluorobenzene	12.408	95	27500	36.264	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 72.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.062	50	89	Below Cal	#	43
11) Tert butyl alcohol	4.842	59	47	Below Cal	#	88
16) Acetone	3.866	43	2225	26.964	ug/l #	78
20) Methylene Chloride	4.598	84	1027	Below Cal	#	89
25) 2-Butanone	6.890	43	757	4.121	ug/l #	41
31) Cyclohexane	7.695	56	1522	Below Cal	#	57
36) 1,1-Dichloropropene	7.701	75	5153	5.769	ug/l #	46
38) Carbon Tetrachloride	7.701	117	5964	5.823	ug/l #	14
41) Methacrylonitrile	7.268	41	25	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.097	43	804	1.877	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	16818	88.930	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	16818	183.249	ug/l #	16

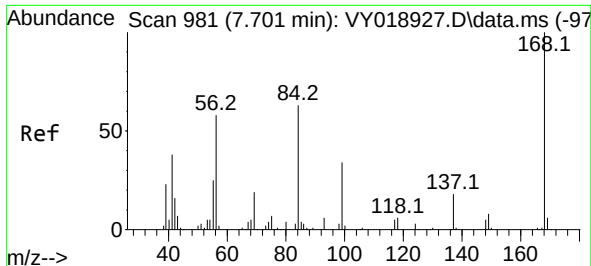
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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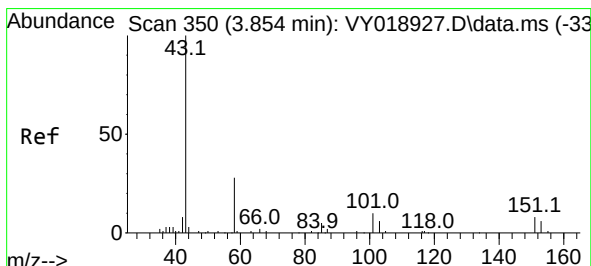
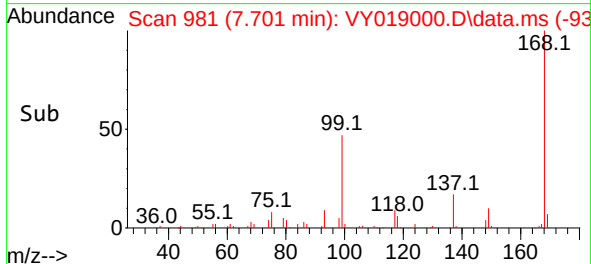
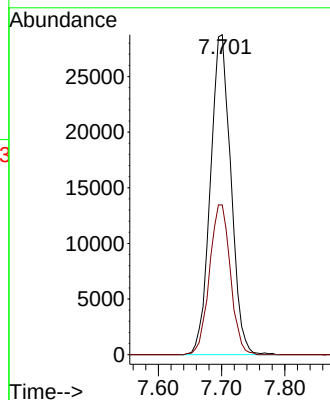
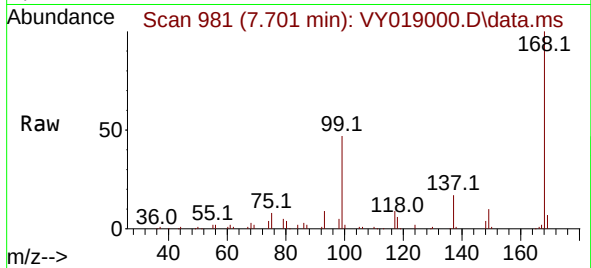




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019000.D
Acq: 12 Aug 2024 14:21

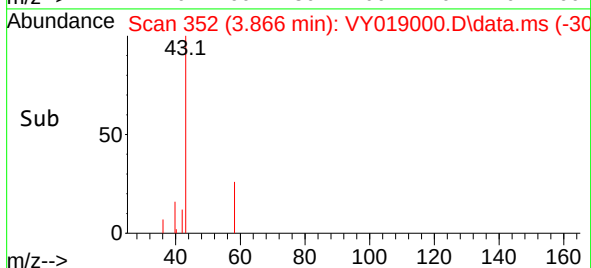
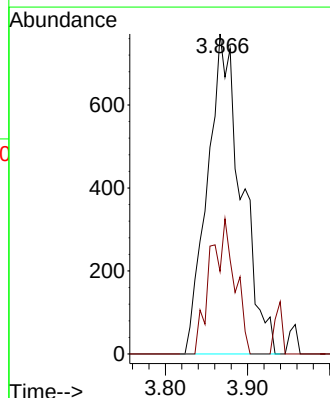
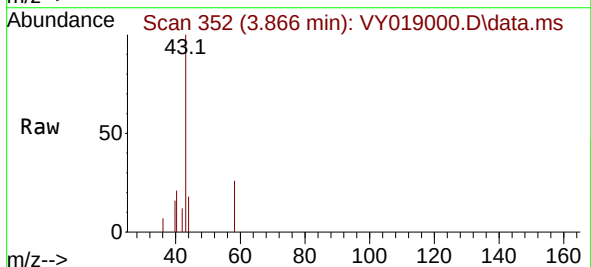
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-22-080724

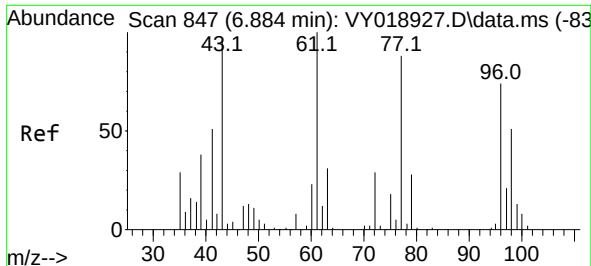
Tgt Ion:168 Resp: 64622
Ion Ratio Lower Upper
168 100
99 46.8 39.1 58.7



#16
Acetone
Concen: 26.964 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY019000.D
Acq: 12 Aug 2024 14:21

Tgt Ion: 43 Resp: 2225
Ion Ratio Lower Upper
43 100
58 25.8 31.7 47.5#

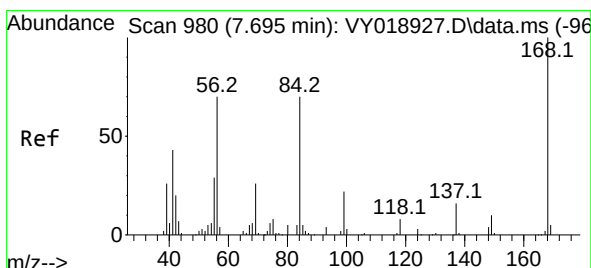
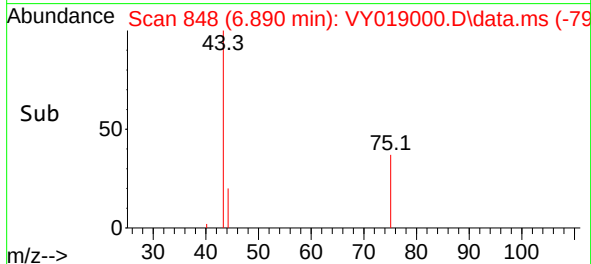
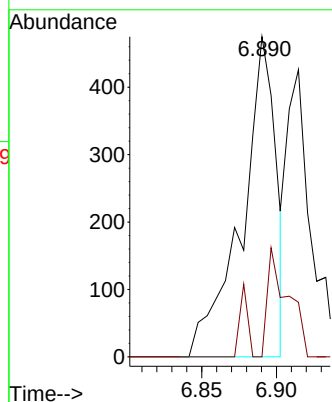
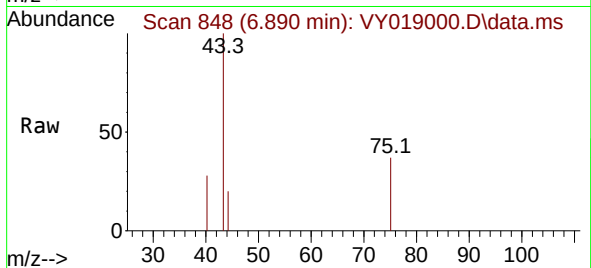




#25
2-Butanone
Concen: 4.121 ug/l
RT: 6.890 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY019000.D
Acq: 12 Aug 2024 14:21

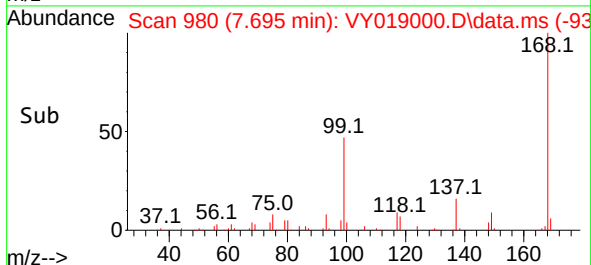
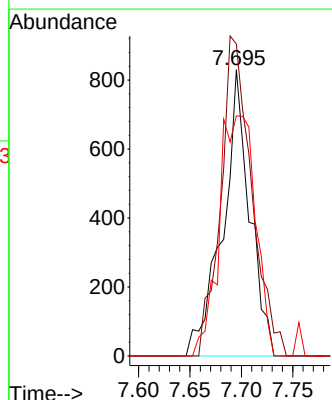
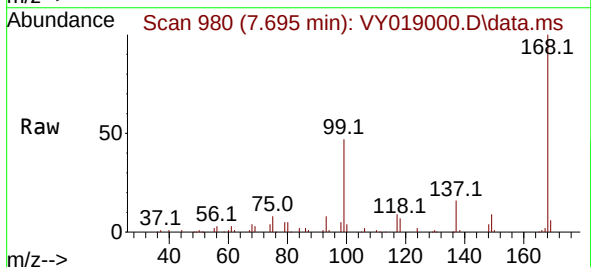
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-22-080724

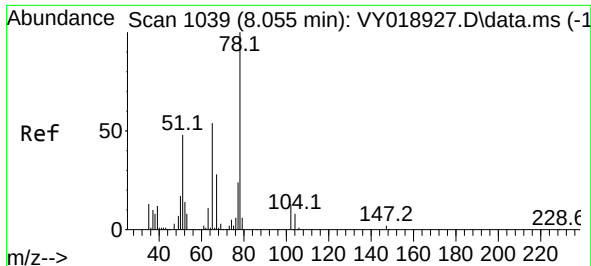
Tgt Ion: 43 Resp: 757
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY019000.D
Acq: 12 Aug 2024 14:21

Tgt Ion: 56 Resp: 1522
Ion Ratio Lower Upper
56 100
69 109.0 28.7 43.1#
84 83.9 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 60.304 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY019000.D

Acq: 12 Aug 2024 14:21

Instrument :

MSVOA_Y

ClientSampleId :

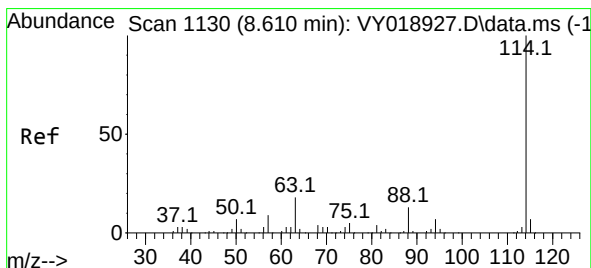
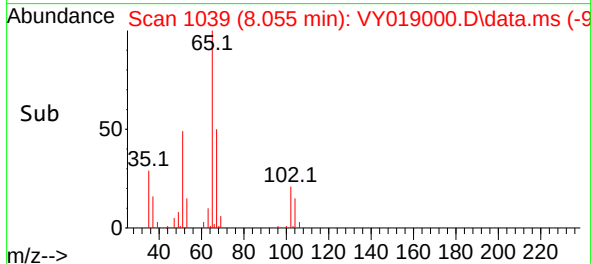
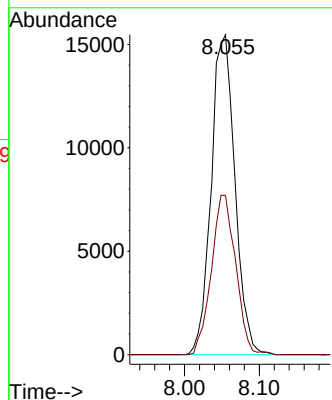
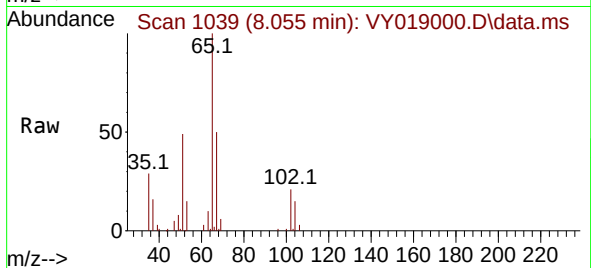
OU4-TS-22-080724

Tgt Ion: 65 Resp: 34215

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY019000.D

Acq: 12 Aug 2024 14:21

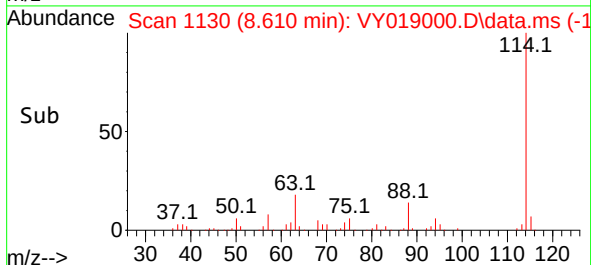
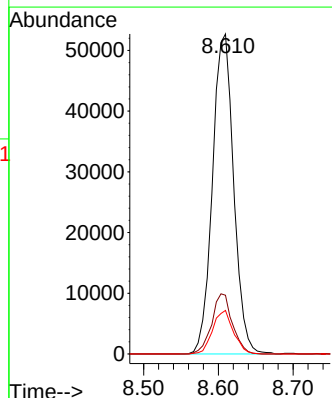
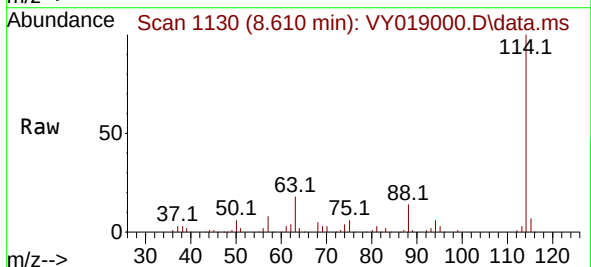
Tgt Ion: 114 Resp: 104190

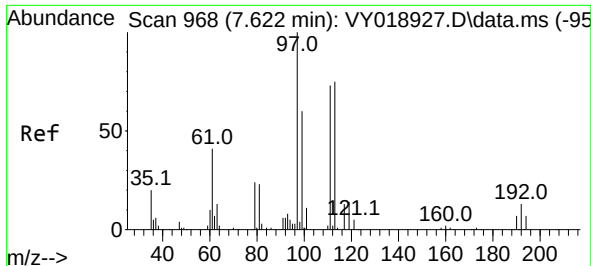
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 13.6 0.0 27.2

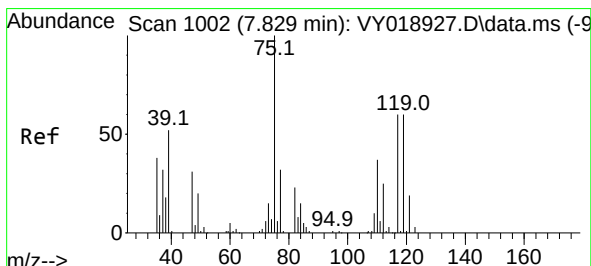
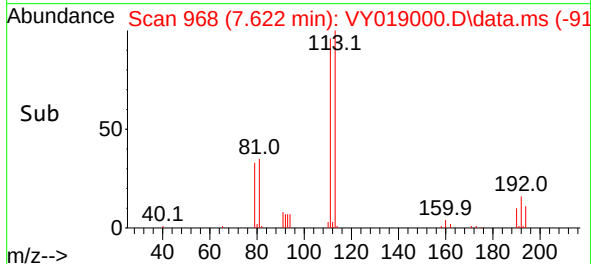
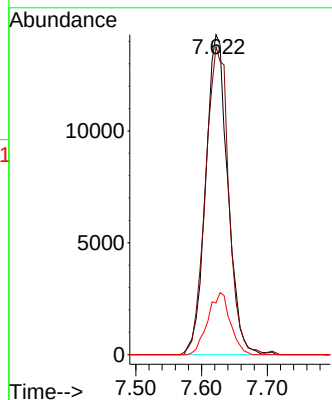
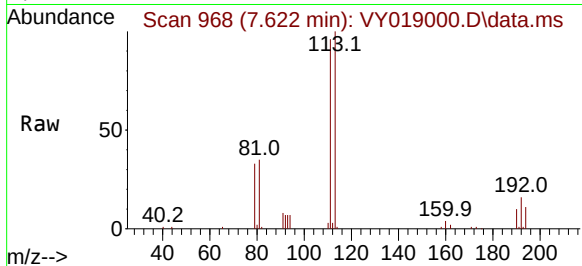




#35
Dibromofluoromethane
Concen: 50.250 ug/l
RT: 7.622 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY019000.D
Acq: 12 Aug 2024 14:21

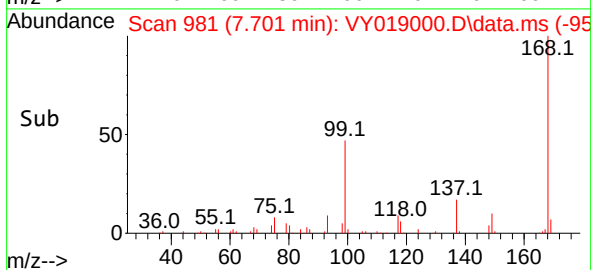
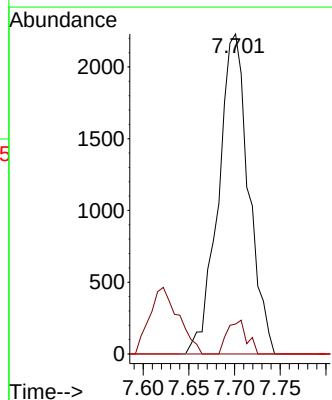
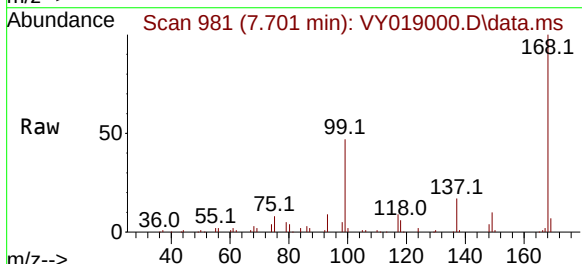
Instrument :
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OU4-TS-22-080724

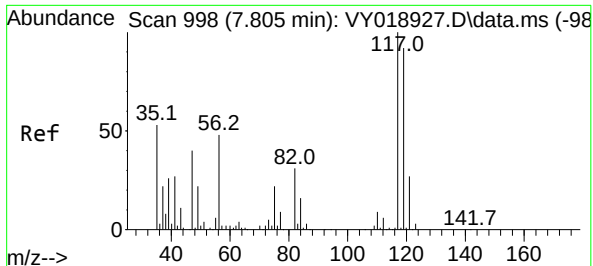
Tgt Ion:	113	Resp:	33439
Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.2	123.4
192	19.7	15.9	23.9



#36
1,1-Dichloropropene
Concen: 5.769 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY019000.D
Acq: 12 Aug 2024 14:21

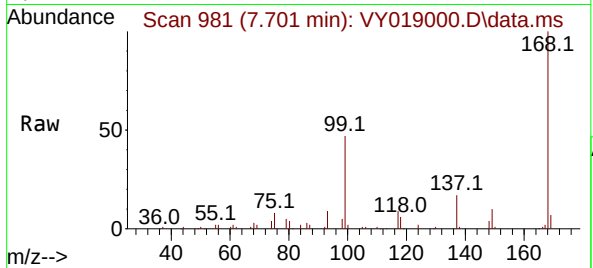
Tgt Ion:	75	Resp:	5153
Ion	Ratio	Lower	Upper
75	100		
110	6.7	19.0	57.0#
77	0.0	25.3	37.9#



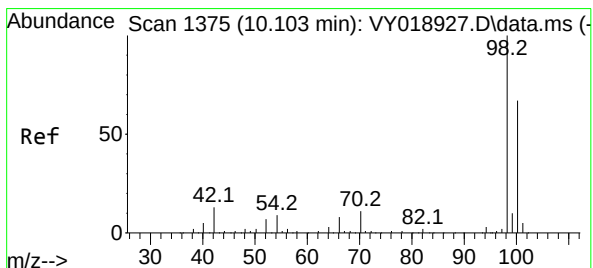
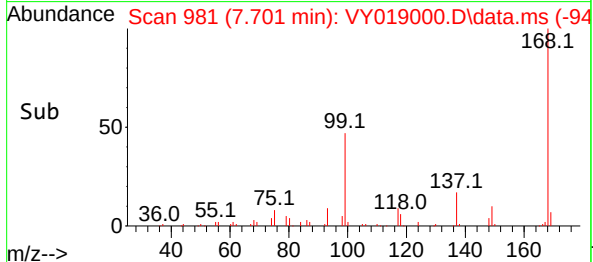
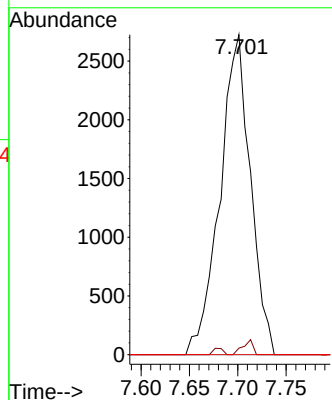


#38
Carbon Tetrachloride
Concen: 5.823 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY019000.D
Acq: 12 Aug 2024 14:21

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-22-080724

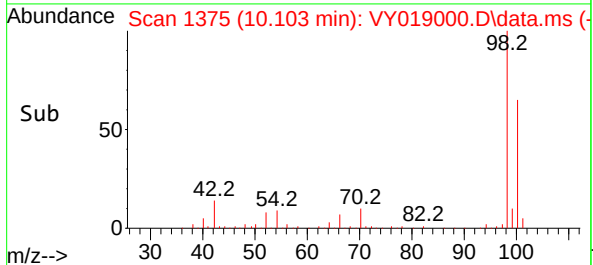
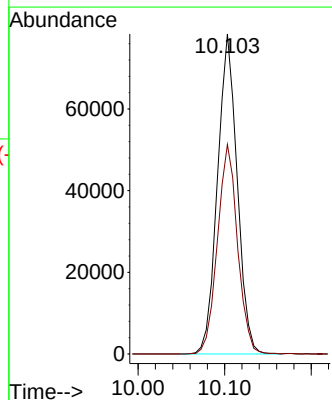
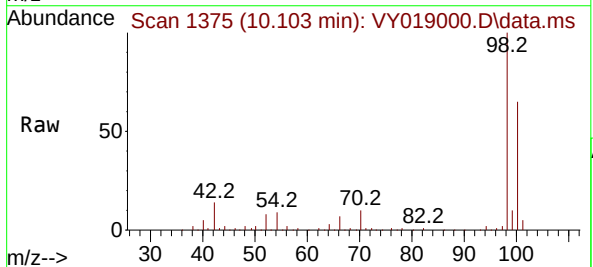


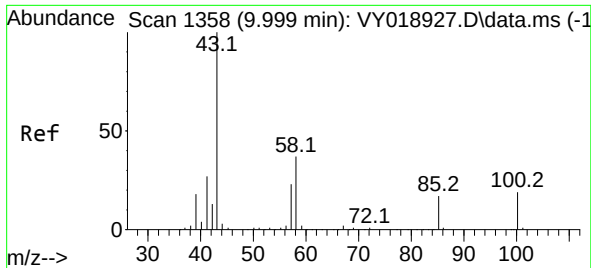
Tgt Ion:117 Resp: 5964
Ion Ratio Lower Upper
117 100
119 2.1 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.382 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY019000.D
Acq: 12 Aug 2024 14:21

Tgt Ion: 98 Resp: 123666
Ion Ratio Lower Upper
98 100
100 66.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.877 ug/l

RT: 10.097 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY019000.D

Acq: 12 Aug 2024 14:21

Instrument :

MSVOA_Y

ClientSampleId :

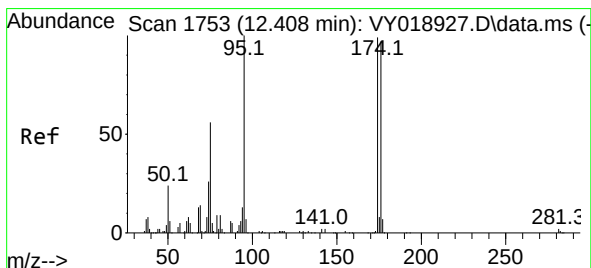
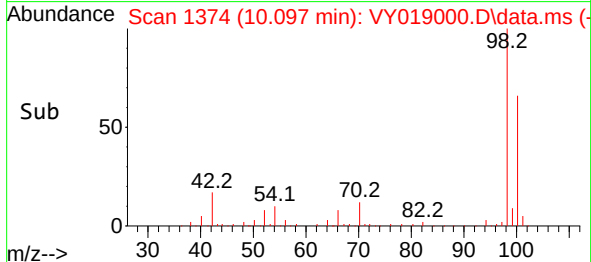
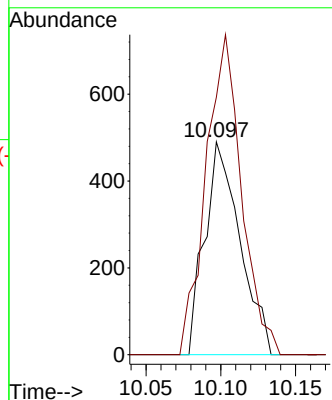
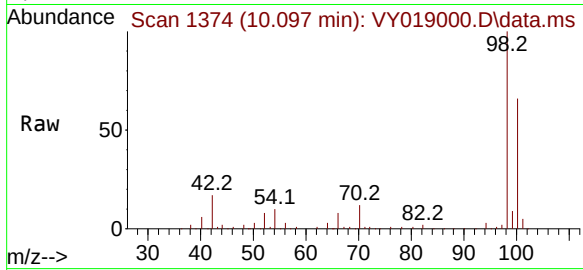
OU4-TS-22-080724

Tgt Ion: 43 Resp: 804

Ion Ratio Lower Upper

43 100

58 151.7 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 36.264 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY019000.D

Acq: 12 Aug 2024 14:21

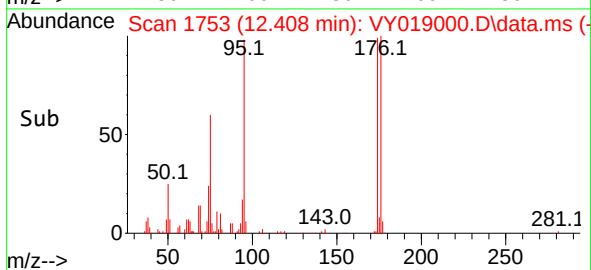
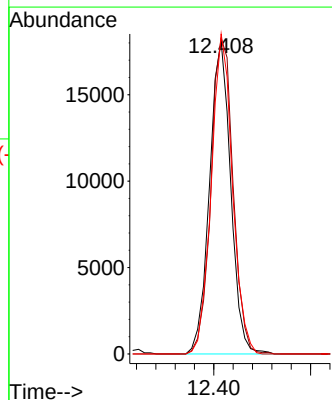
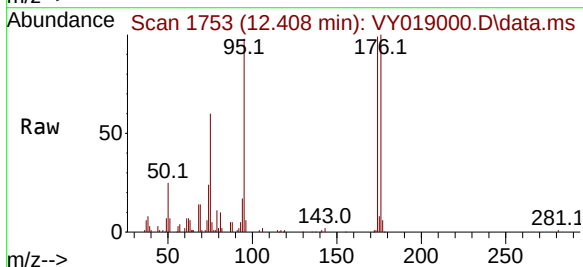
Tgt Ion: 95 Resp: 27500

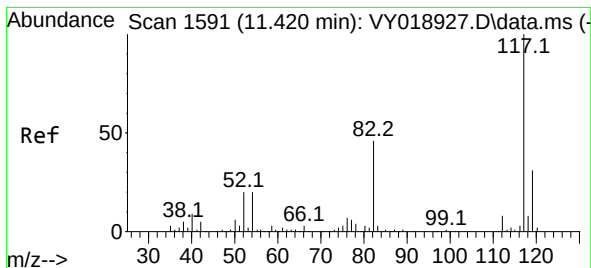
Ion Ratio Lower Upper

95 100

174 105.3 0.0 175.6

176 102.1 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: VY019000.D

Acq: 12 Aug 2024 14:21

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-22-080724

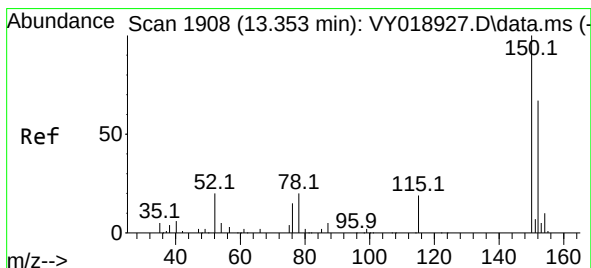
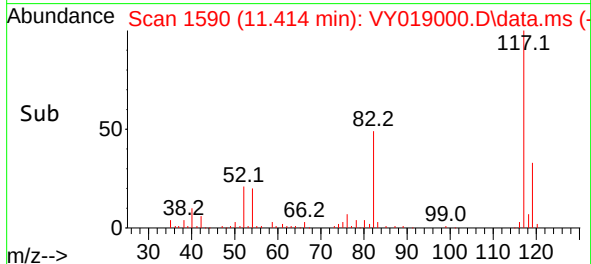
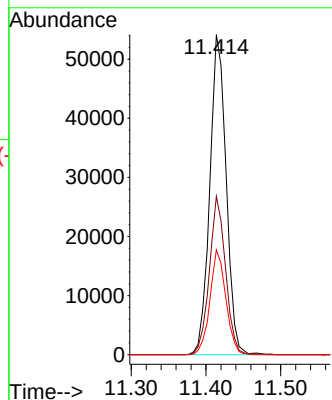
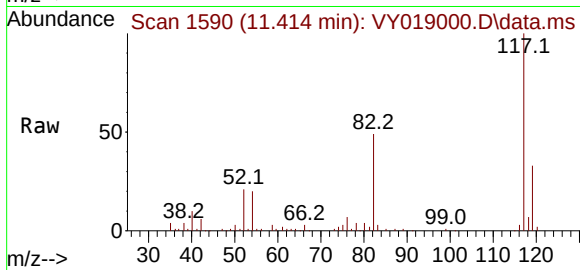
Tgt Ion:117 Resp: 82489

Ion Ratio Lower Upper

117 100

82 49.5 42.4 63.6

119 32.8 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: VY019000.D

Acq: 12 Aug 2024 14:21

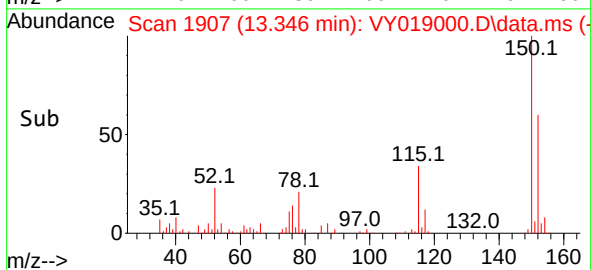
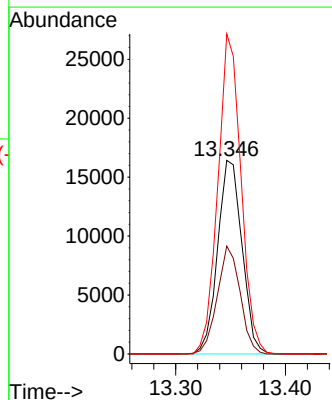
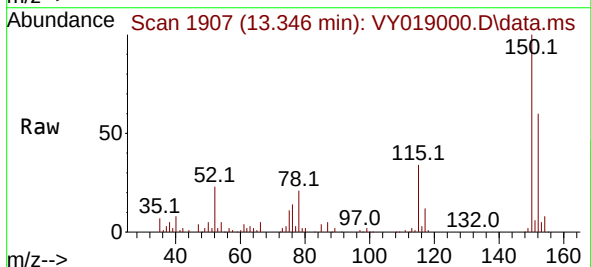
Tgt Ion:152 Resp: 25385

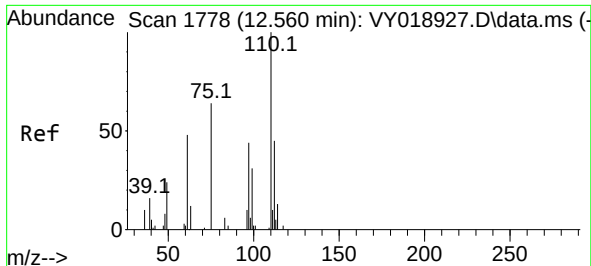
Ion Ratio Lower Upper

152 100

115 52.2 28.2 84.7

150 156.8 0.0 345.6

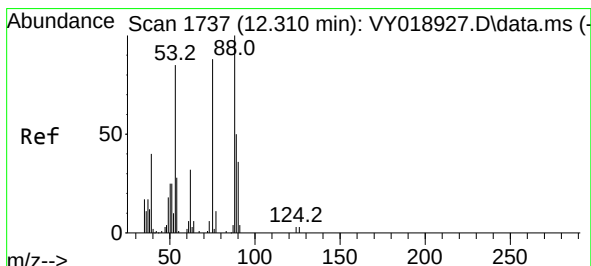
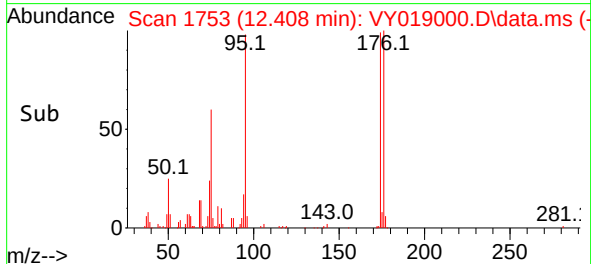
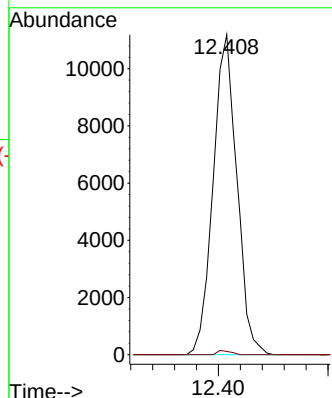
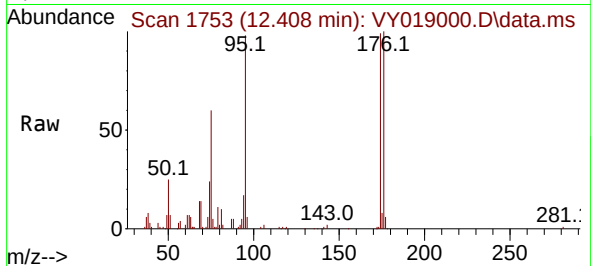




#76
1,2,3-Trichloropropane
Concen: 88.930 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019000.D
Acq: 12 Aug 2024 14:21

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-22-080724

Tgt Ion: 75 Resp: 16818
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 183.249 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY019000.D
Acq: 12 Aug 2024 14:21

Tgt Ion: 75 Resp: 16818
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

