

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080824\
 Data File : VY018950.D
 Acq On : 09 Aug 2024 00:53
 Operator : SY/MD
 Sample : P3518-09
 Misc : 4.67g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-05-080724

Quant Time: Aug 09 05:15:02 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)

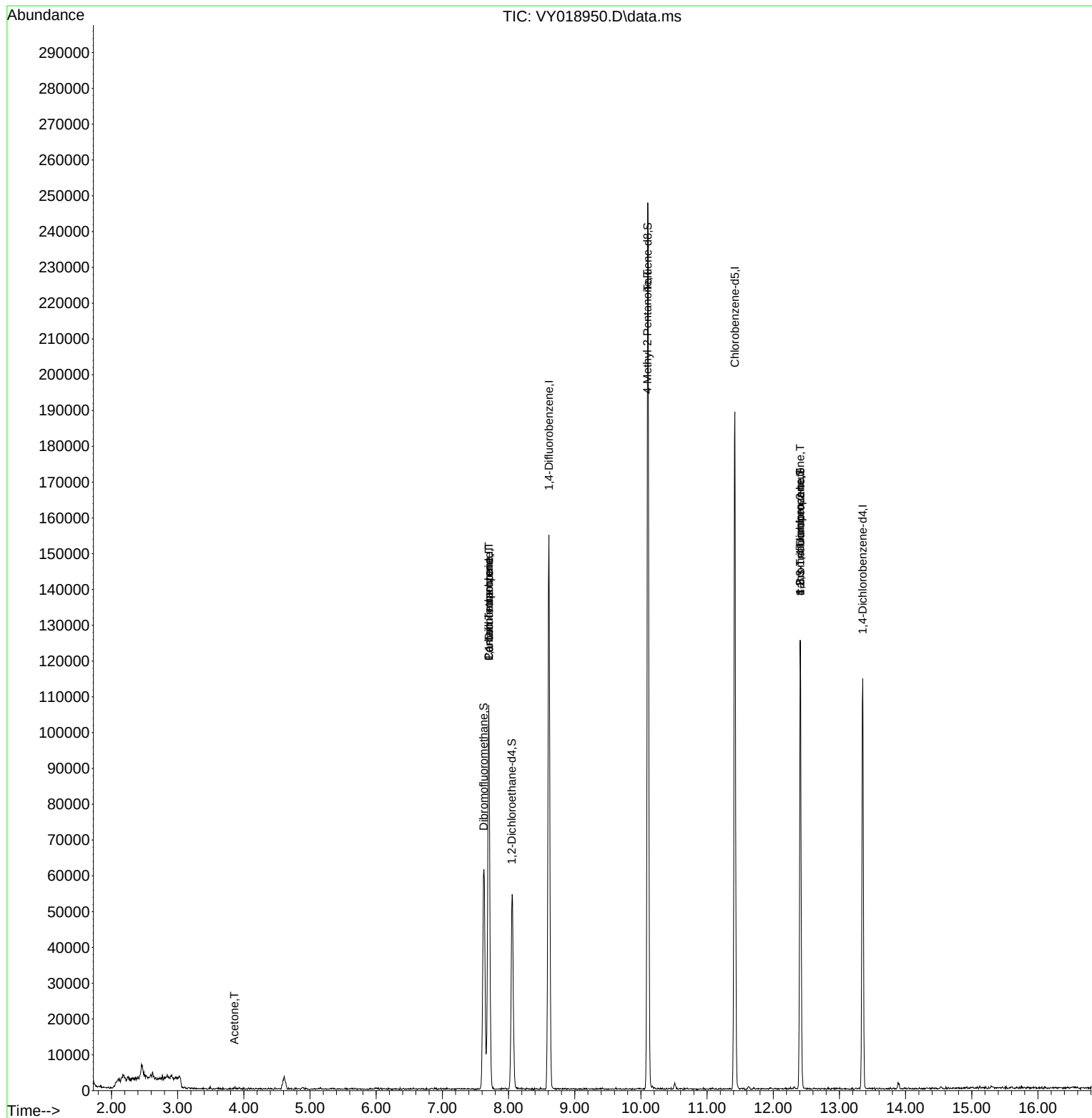
Internal Standards						
1) Pentafluorobenzene	7.701	168	82847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	133136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	98220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	28122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	35284	48.508	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.020%
35) Dibromofluoromethane	7.622	113	41176	48.424	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.840%
50) Toluene-d8	10.103	98	151371	46.346	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.700%
62) 4-Bromofluorobenzene	12.408	95	30909	31.898	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	69	Below Cal	#	43
11) Tert butyl alcohol	4.830	59	54	Below Cal	#	88
13) Acrolein	3.653	56	20	Below Cal	#	15
16) Acetone	3.854	43	337	14.228	ug/l #	36
20) Methylene Chloride	4.610	84	2256	Below Cal		94
31) Cyclohexane	7.695	56	2325	Below Cal	#	62
36) 1,1-Dichloropropene	7.701	75	6012	5.267	ug/l #	40
38) Carbon Tetrachloride	7.701	117	8045	6.147	ug/l #	20
41) Methacrylonitrile	7.262	41	45	Below Cal	#	36
51) 4-Methyl-2-Pentanone	10.097	43	909	1.661	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	18170	86.728	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	18170	178.712	ug/l #	16

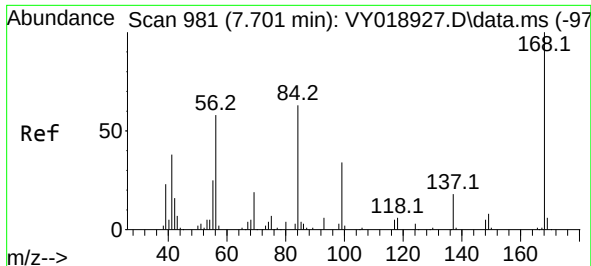
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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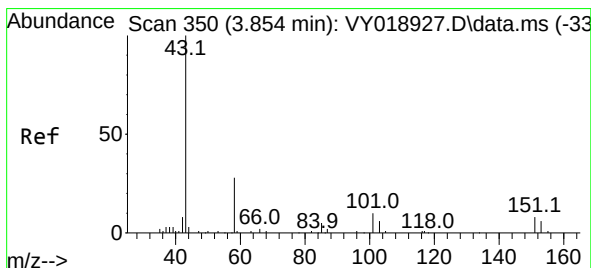
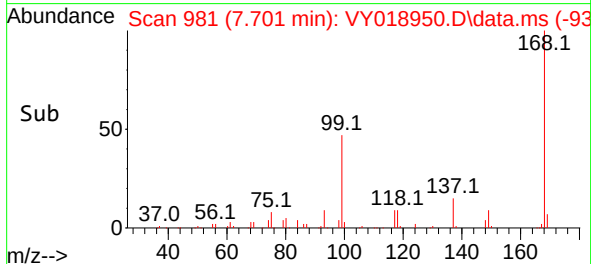
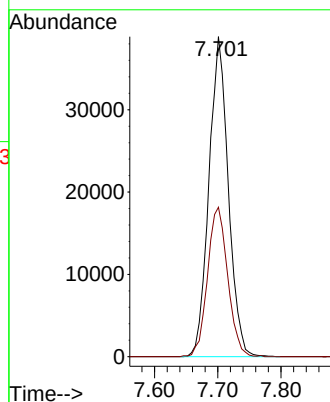
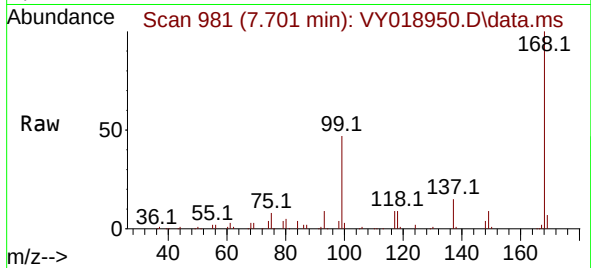




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

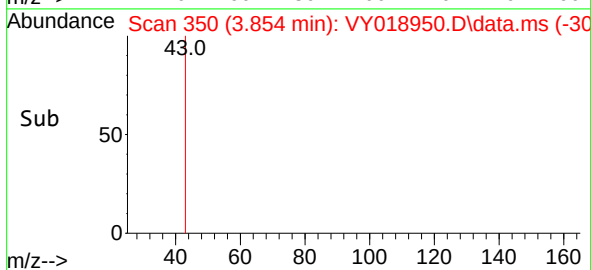
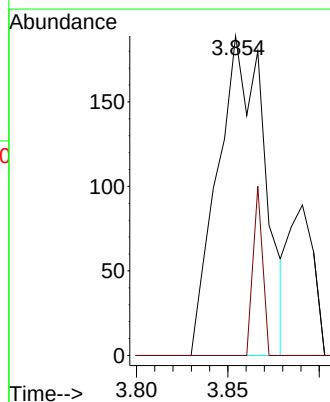
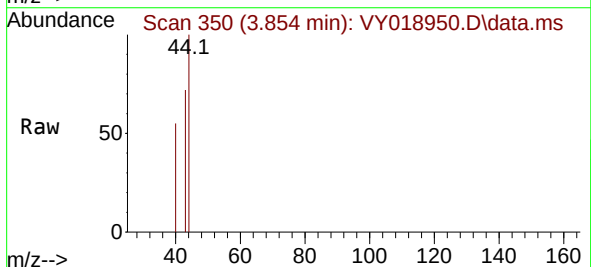
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-05-080724

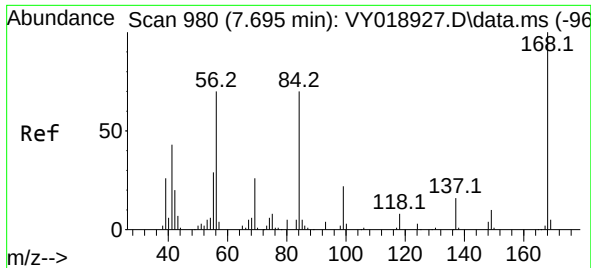
Tgt Ion:168 Resp: 82847
Ion Ratio Lower Upper
168 100
99 46.7 39.1 58.7



#16
Acetone
Concen: 14.228 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

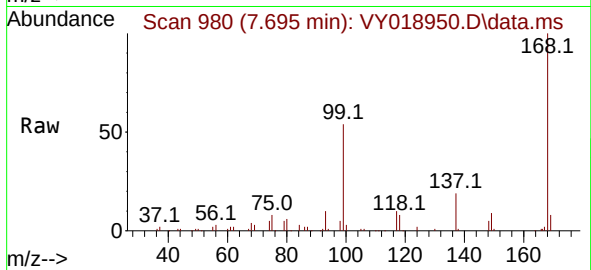
Tgt Ion: 43 Resp: 337
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



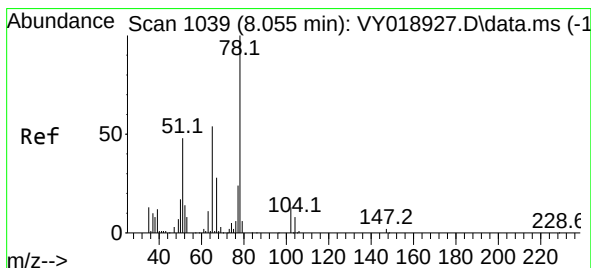
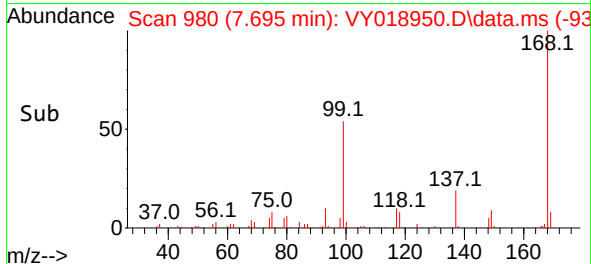
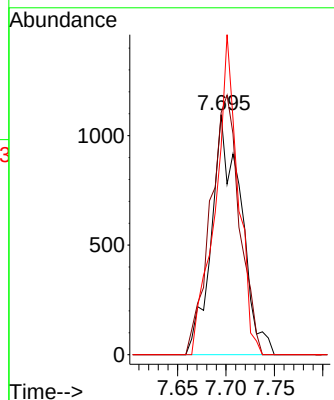


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-05-080724

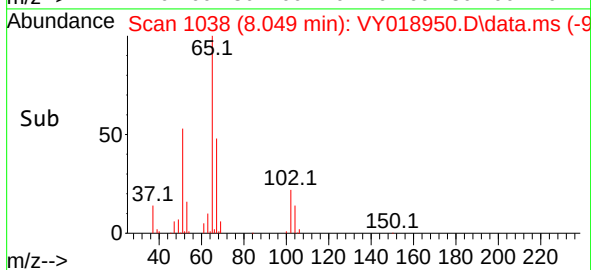
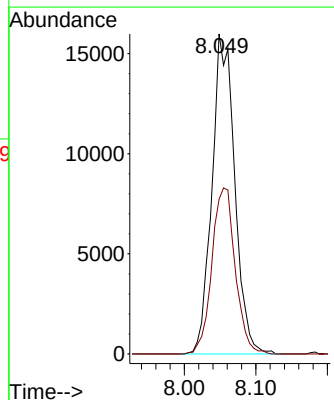
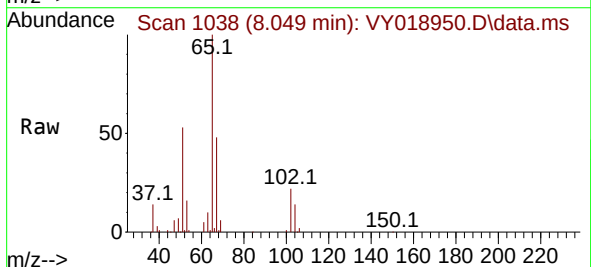


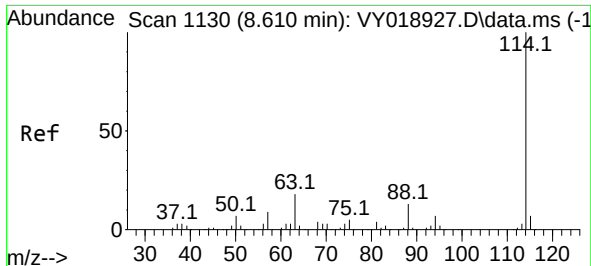
Tgt Ion: 56 Resp: 2325
Ion Ratio Lower Upper
56 100
69 100.8 28.7 43.1#
84 86.8 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 48.508 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

Tgt Ion: 65 Resp: 35284
Ion Ratio Lower Upper
65 100
67 53.4 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: VY018950.D

Acq: 09 Aug 2024 00:53

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-05-080724

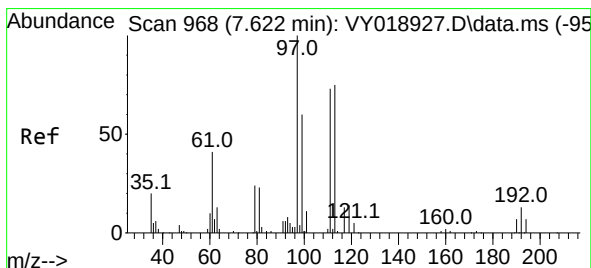
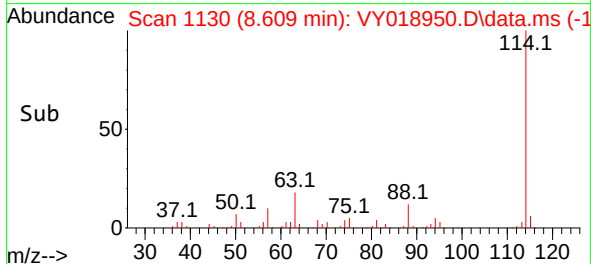
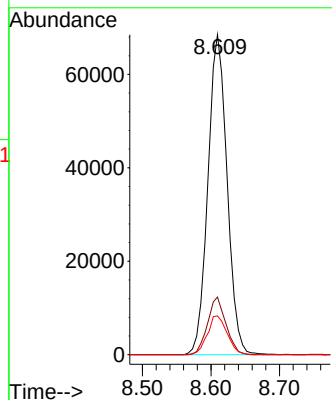
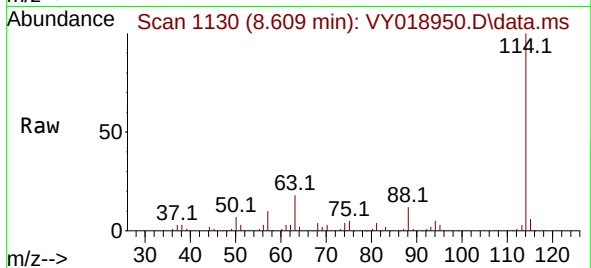
Tgt Ion:114 Resp: 133136

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 12.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.424 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY018950.D

Acq: 09 Aug 2024 00:53

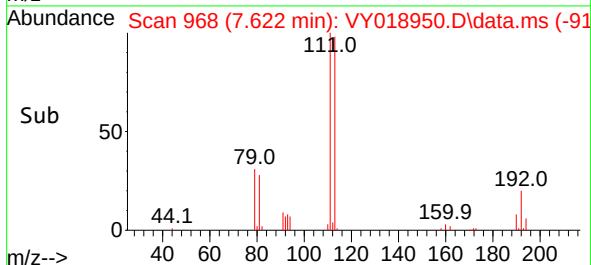
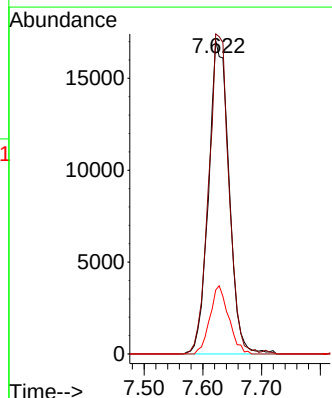
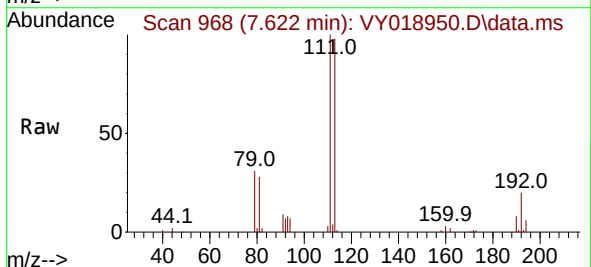
Tgt Ion:113 Resp: 41176

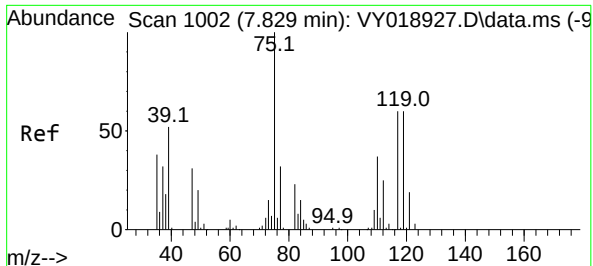
Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

192 20.0 15.9 23.9

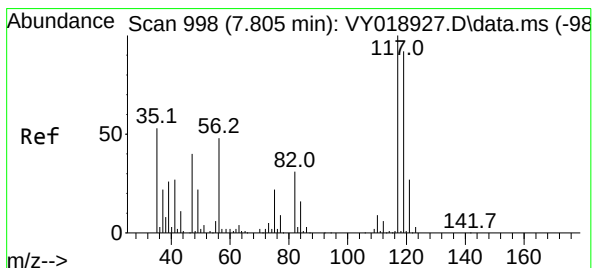
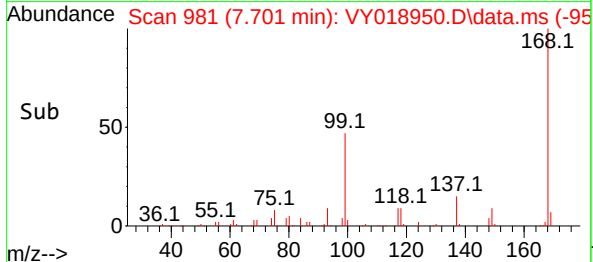
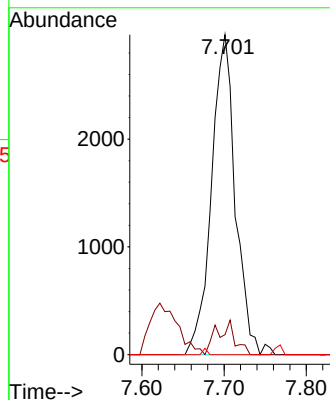
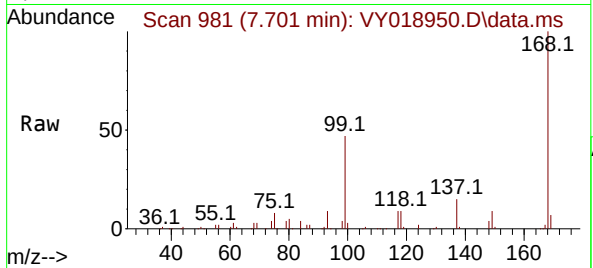




#36
1,1-Dichloropropene
Concen: 5.267 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

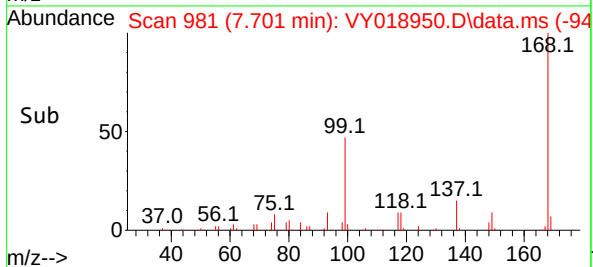
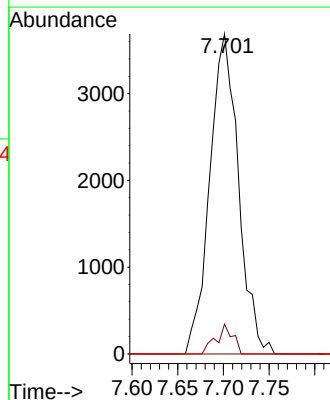
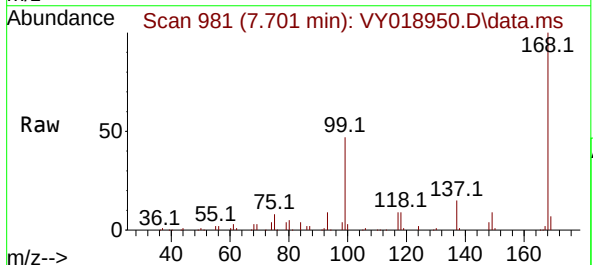
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-05-080724

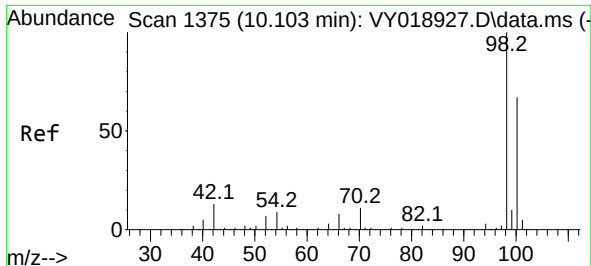
Tgt Ion: 75 Resp: 6012
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.147 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

Tgt Ion: 117 Resp: 8045
Ion Ratio Lower Upper
117 100
119 9.3 75.8 113.6#
121 0.0 24.0 36.0#

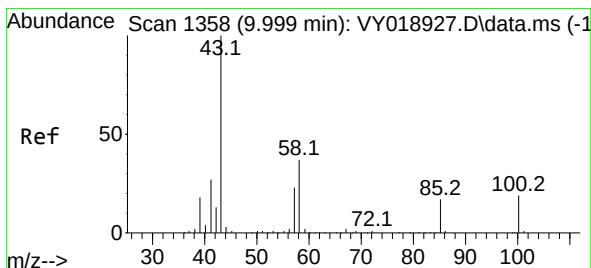
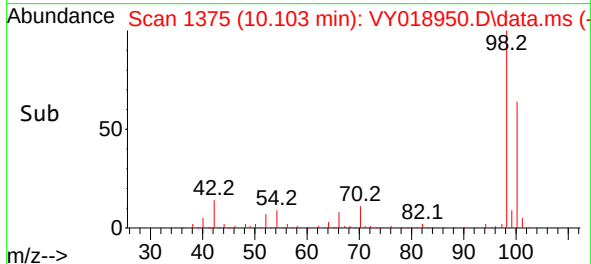
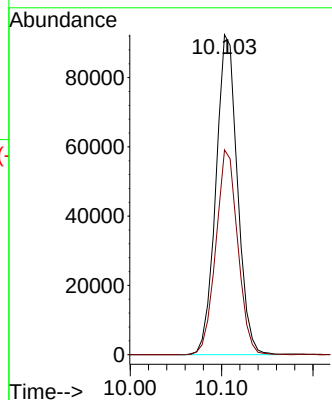
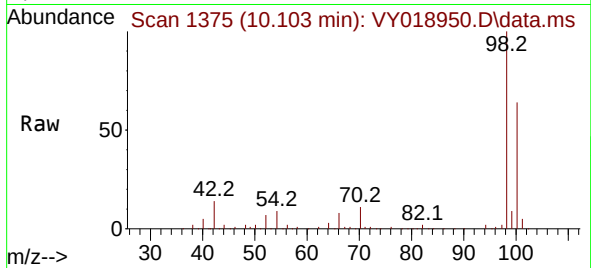




#50
Toluene-d8
Concen: 46.346 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

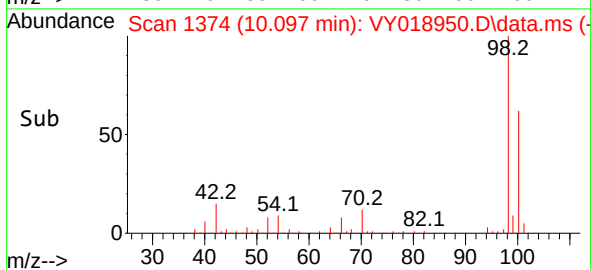
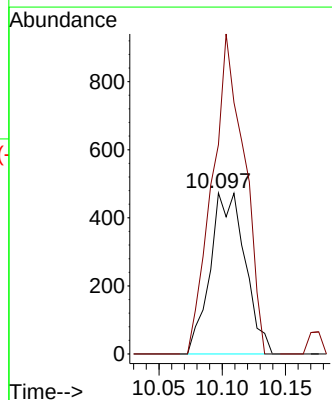
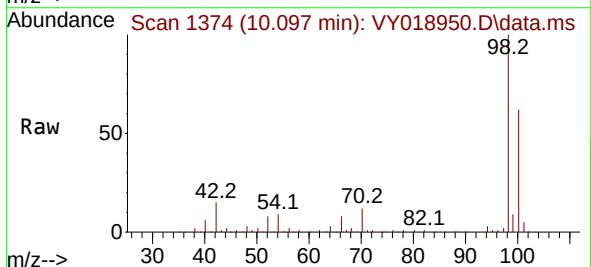
Instrument :
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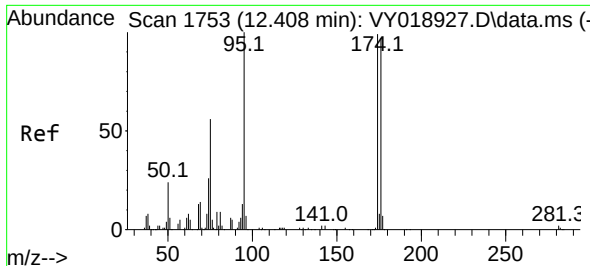
Tgt Ion: 98 Resp: 151371
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.661 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.098 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
58 182.0 35.7 53.5#

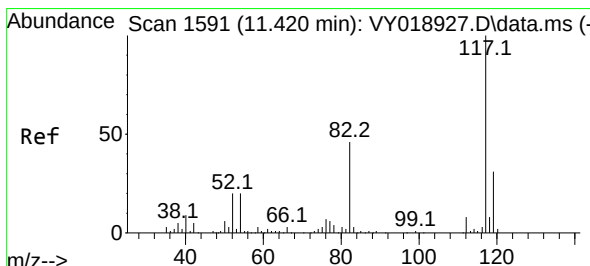
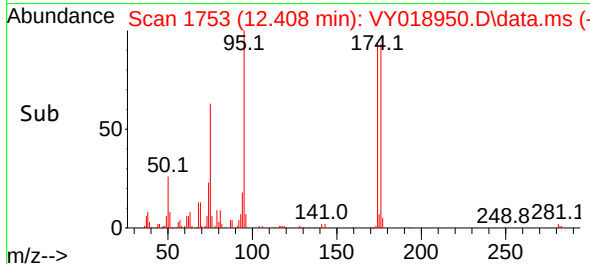
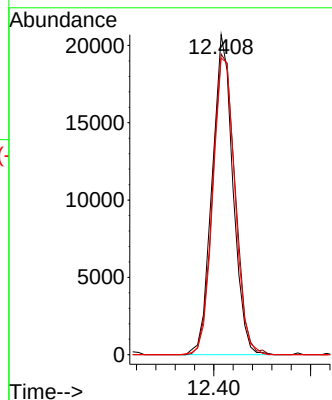
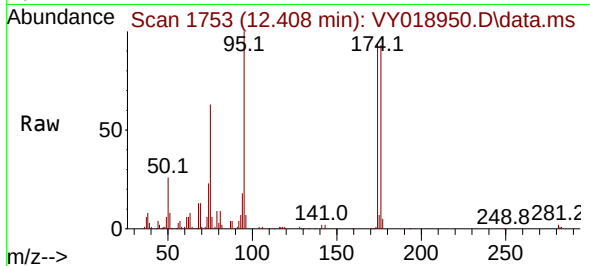




#62
4-Bromofluorobenzene
Concen: 31.898 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

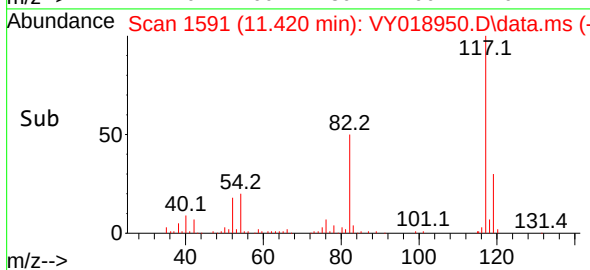
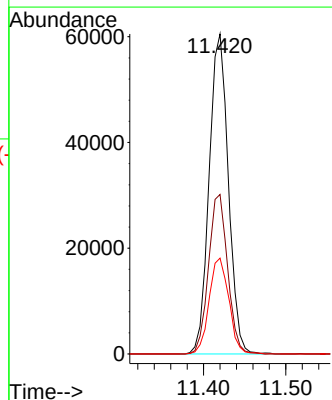
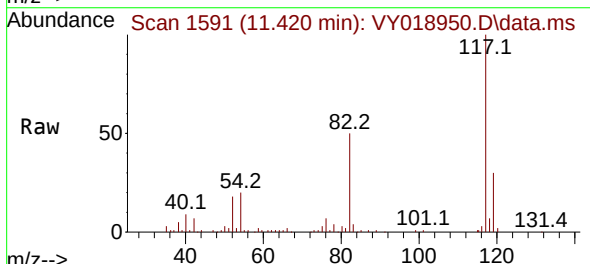
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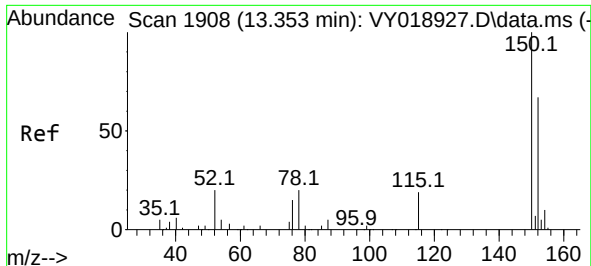
Tgt Ion:	95	Resp:	30909
Ion	Ratio	Lower	Upper
95	100		
174	101.7	0.0	175.6
176	98.5	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

Tgt Ion:	117	Resp:	98220
Ion	Ratio	Lower	Upper
117	100		
82	49.8	42.4	63.6
119	30.0	25.9	38.9

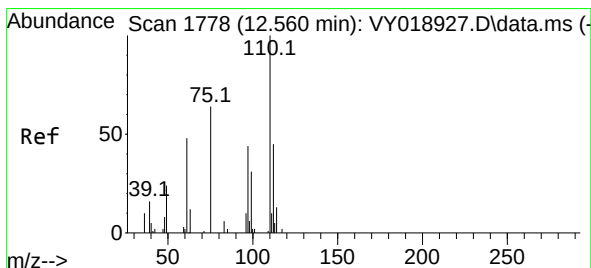
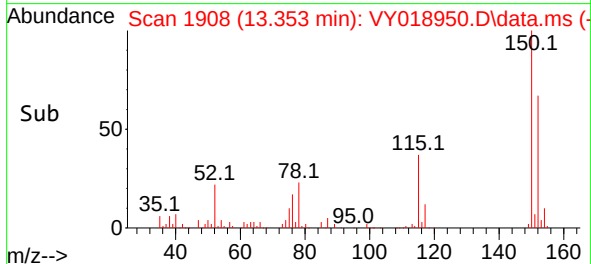
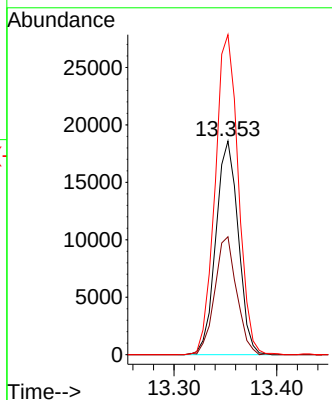
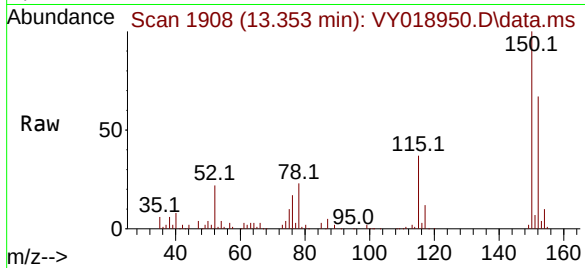




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

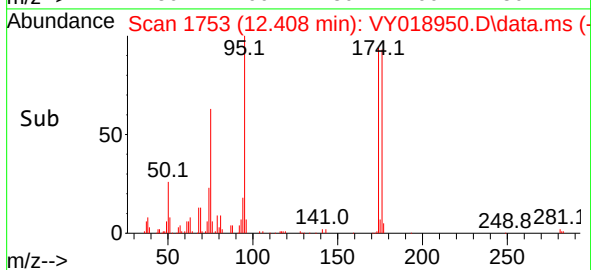
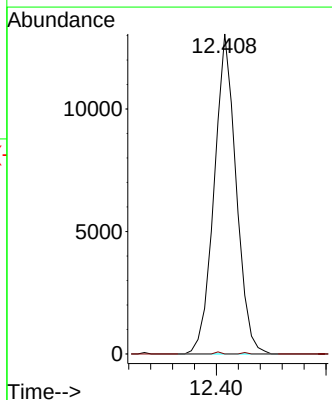
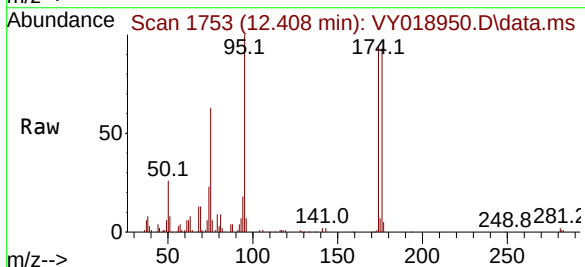
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OU4-TS-05-080724

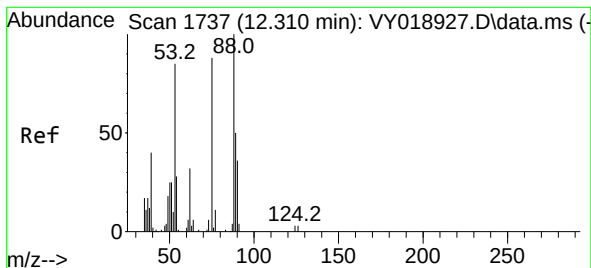
Tgt Ion:152 Resp: 28122
Ion Ratio Lower Upper
152 100
115 54.2 28.2 84.7
150 154.6 0.0 345.6



#76
1,2,3-Trichloropropane
Concen: 86.728 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY018950.D
Acq: 09 Aug 2024 00:53

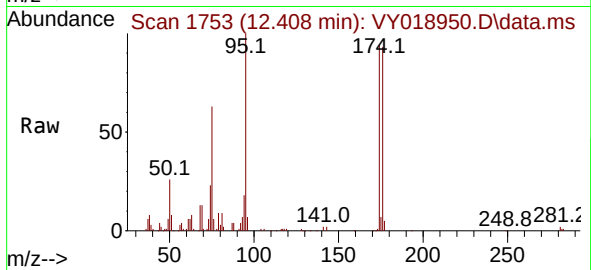
Tgt Ion: 75 Resp: 18170
Ion Ratio Lower Upper
75 100
77 0.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 178.712 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY018950.D
 Acq: 09 Aug 2024 00:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-05-080724



Tgt Ion: 75 Resp: 18170
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

