

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080924\
 Data File : VY018969.D
 Acq On : 09 Aug 2024 16:02
 Operator : SY/MD
 Sample : P3518-15
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-08-080724

Quant Time: Aug 09 23:28:22 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)

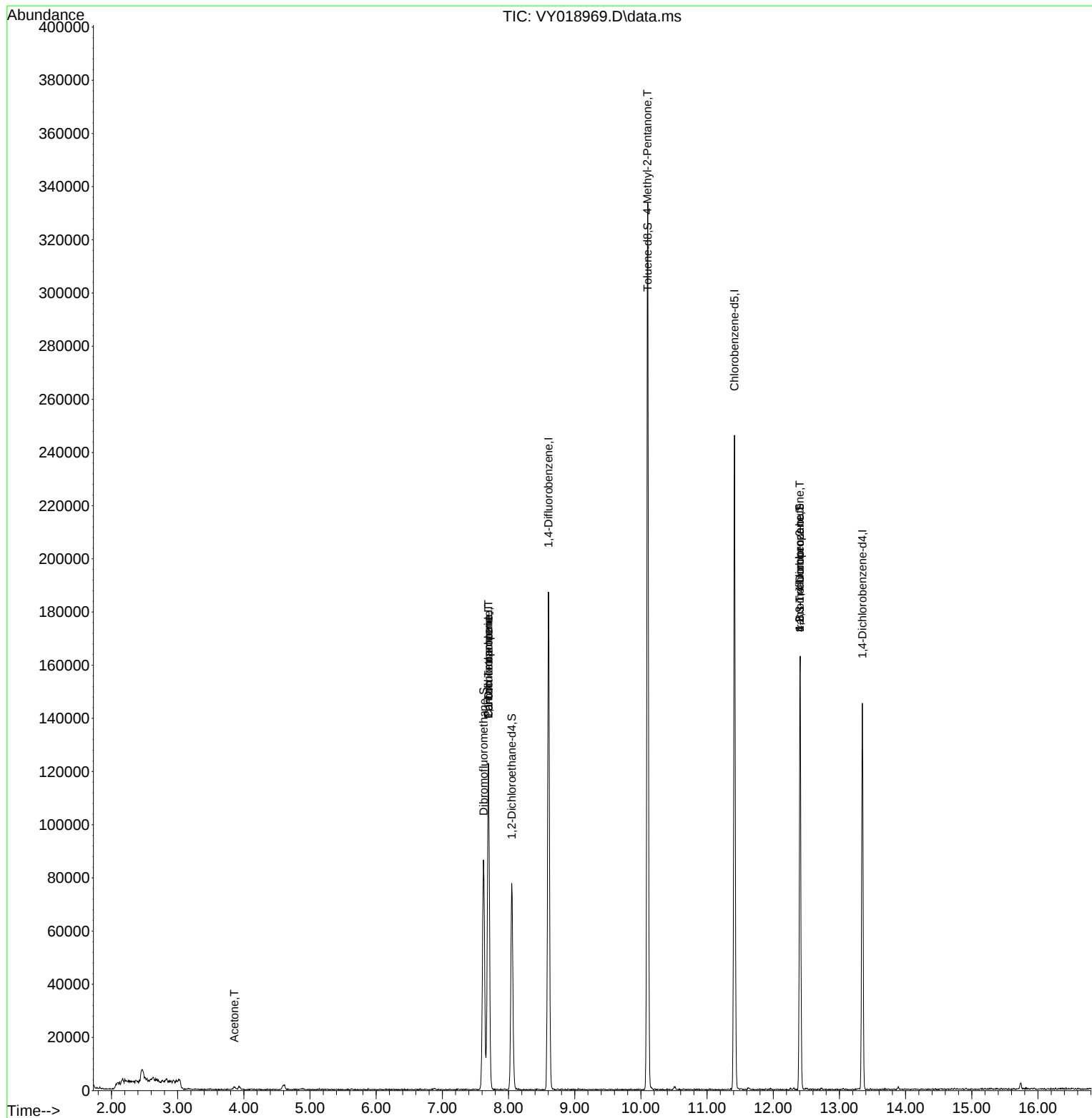
Internal Standards						
1) Pentafluorobenzene	7.695	168	96133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.604	114	157536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	115651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	33503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	49702	58.886	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.780%	
35) Dibromofluoromethane	7.622	113	55150	54.812	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.620%	
50) Toluene-d8	10.103	98	201507	52.140	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.280%	
62) 4-Bromofluorobenzene	12.402	95	40510	35.331	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.105	50	46	Below Cal	#	1
11) Tert butyl alcohol	4.842	59	48	Below Cal	#	88
13) Acrolein	3.665	56	20	Below Cal	#	15
16) Acetone	3.854	43	1654	19.730	ug/l #	65
20) Methylene Chloride	4.598	84	1129	Below Cal	#	84
31) Cyclohexane	7.695	56	2422	Below Cal	#	55
36) 1,1-Dichloropropene	7.695	75	6901	5.109	ug/l #	48
38) Carbon Tetrachloride	7.695	117	8972	5.794	ug/l #	16
41) Methacrylonitrile	7.104	41	21	Below Cal	#	27
51) 4-Methyl-2-Pentanone	10.097	43	1039	1.605	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	23076	92.455	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	23076	190.512	ug/l #	16

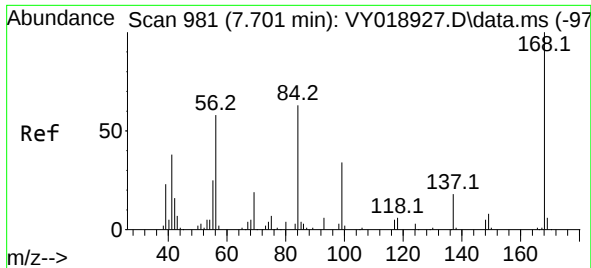
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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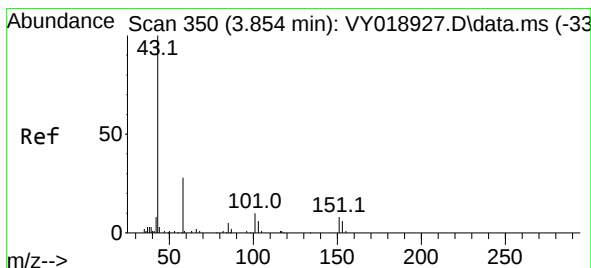
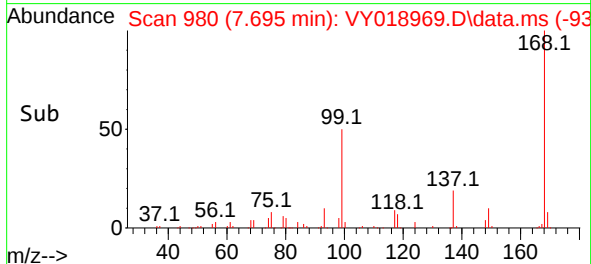
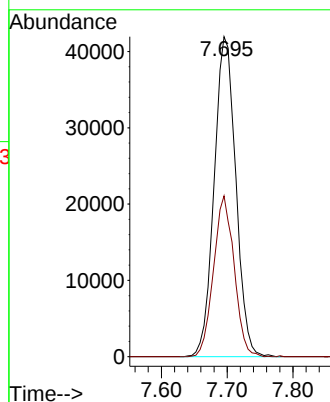
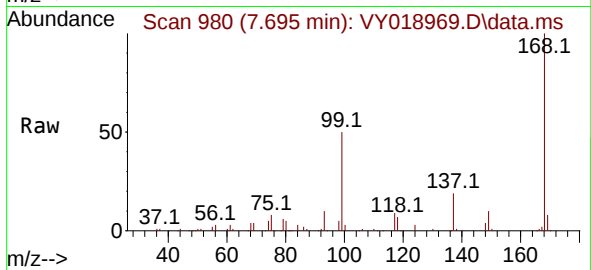




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018969.D
Acq: 09 Aug 2024 16:02

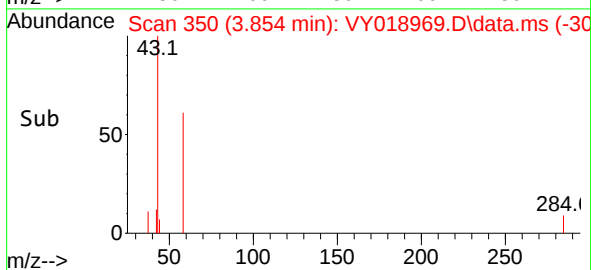
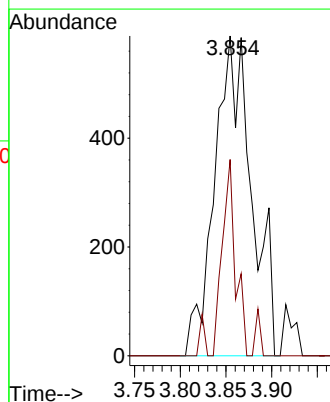
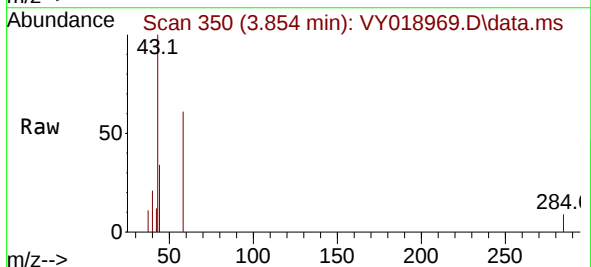
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-08-080724

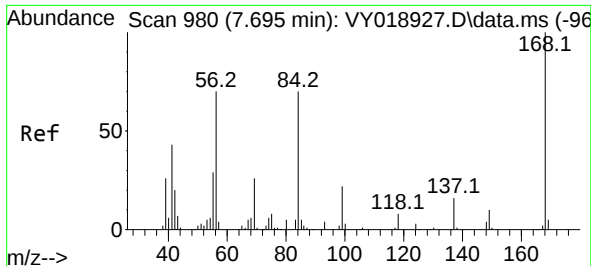
Tgt Ion:168 Resp: 96133
Ion Ratio Lower Upper
168 100
99 50.3 39.1 58.7



#16
Acetone
Concen: 19.730 ug/l
RT: 3.854 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY018969.D
Acq: 09 Aug 2024 16:02

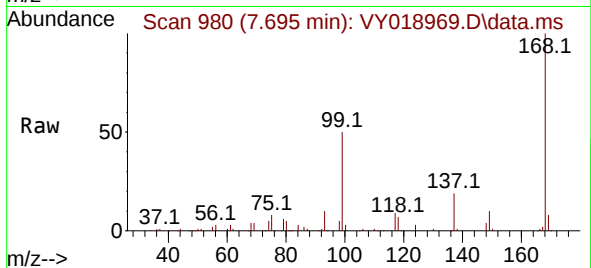
Tgt Ion: 43 Resp: 1654
Ion Ratio Lower Upper
43 100
58 61.4 31.7 47.5#



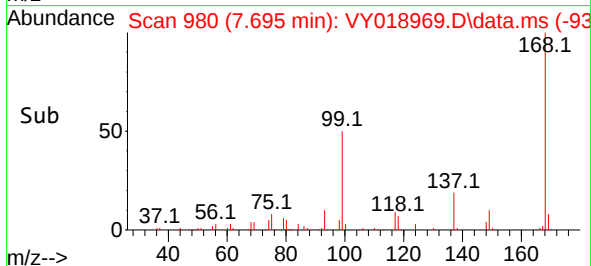
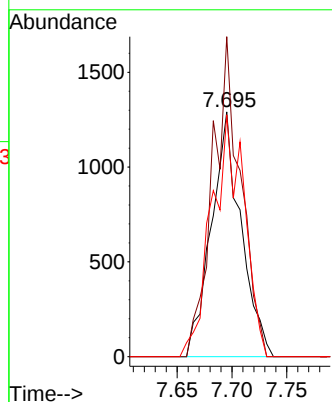


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY018969.D
Acq: 09 Aug 2024 16:02

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-08-080724

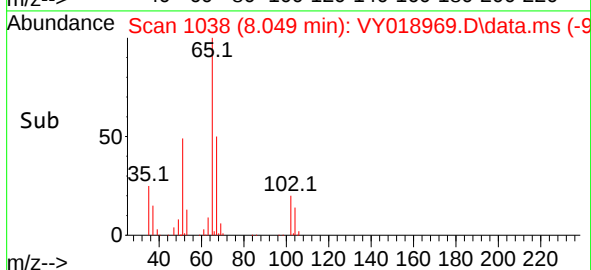
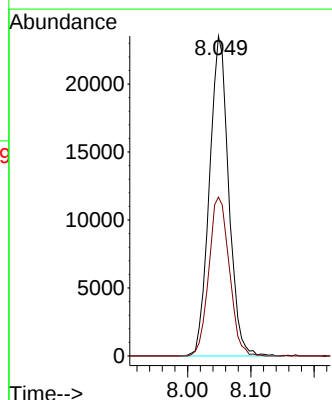
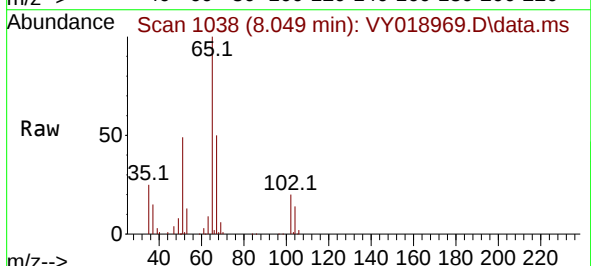


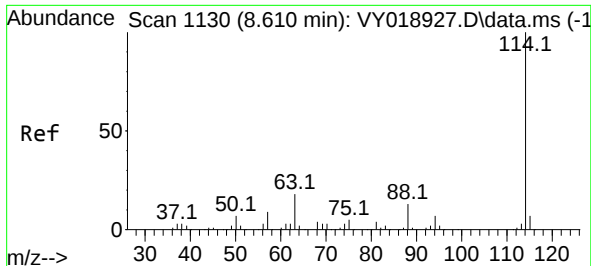
Tgt Ion: 56 Resp: 2422
Ion Ratio Lower Upper
56 100
69 130.8 28.7 43.1#
84 98.8 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 58.886 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY018969.D
Acq: 09 Aug 2024 16:02

Tgt Ion: 65 Resp: 49702
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.604 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY018969.D

Acq: 09 Aug 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-08-080724

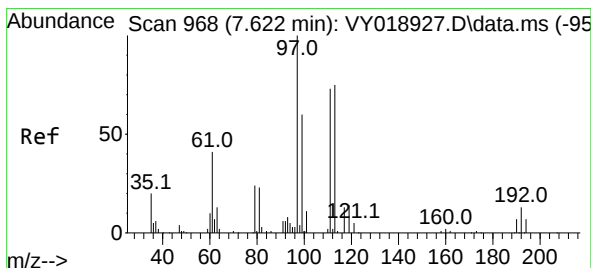
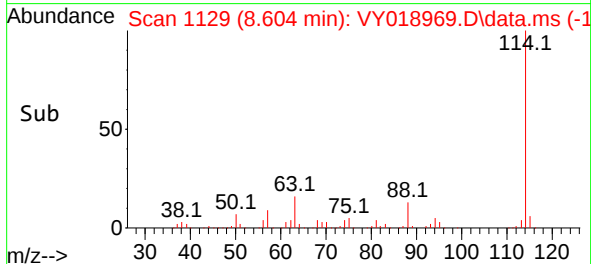
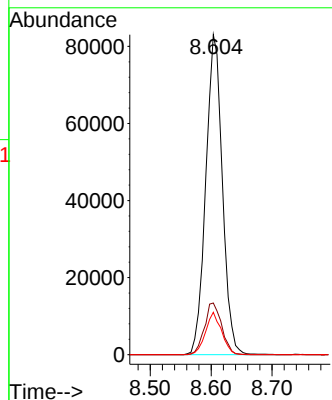
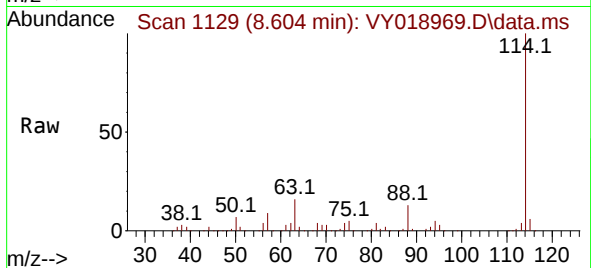
Tgt Ion:114 Resp: 157536

Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.0

88 13.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.812 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY018969.D

Acq: 09 Aug 2024 16:02

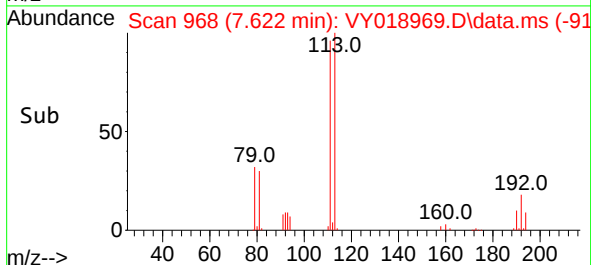
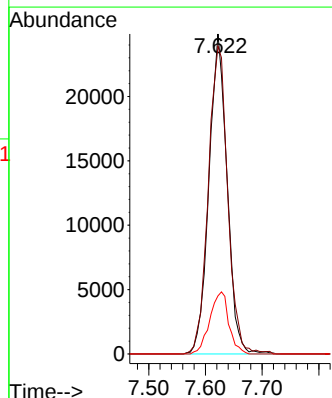
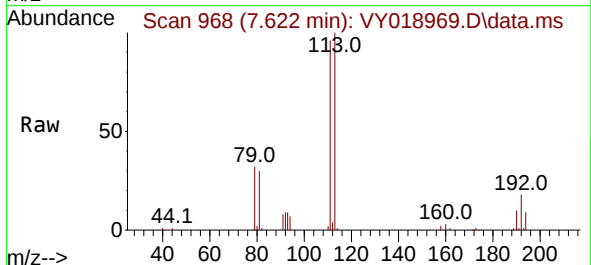
Tgt Ion:113 Resp: 55150

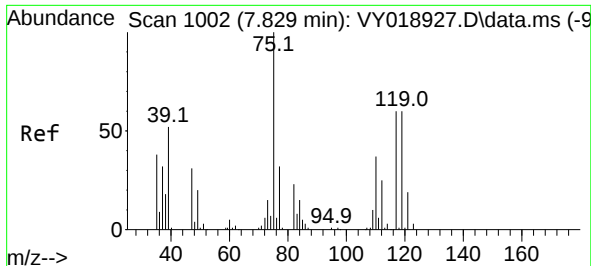
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 20.4 15.9 23.9

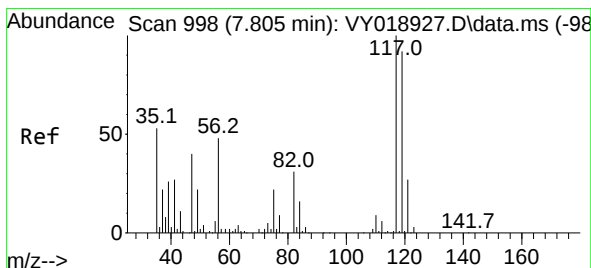
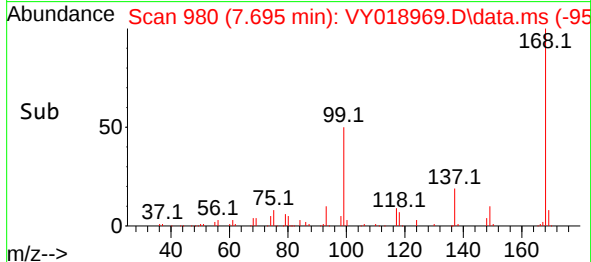
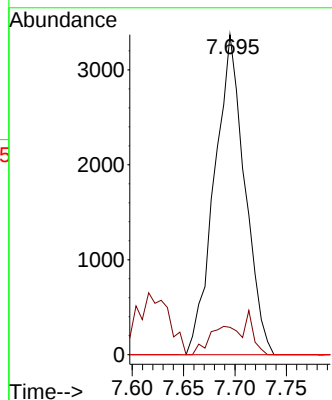
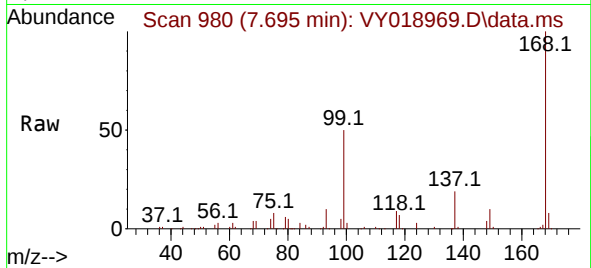




#36
 1,1-Dichloropropene
 Concen: 5.109 ug/l
 RT: 7.695 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY018969.D
 Acq: 09 Aug 2024 16:02

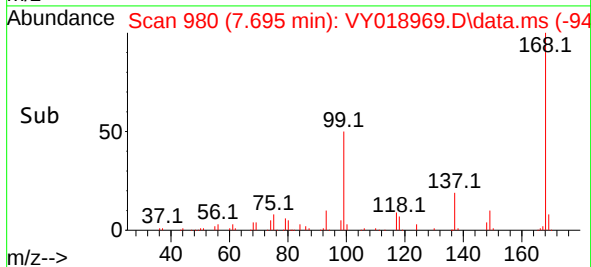
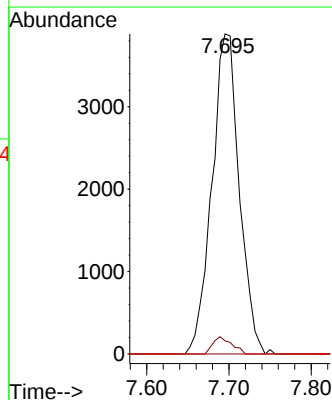
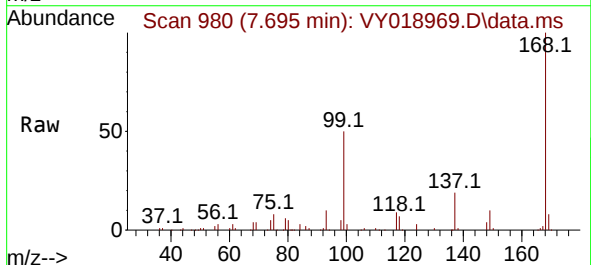
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-08-080724

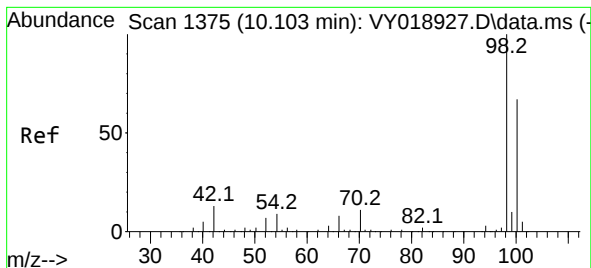
Tgt Ion: 75 Resp: 6901
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.794 ug/l
 RT: 7.695 min Scan# 980
 Delta R.T. -0.110 min
 Lab File: VY018969.D
 Acq: 09 Aug 2024 16:02

Tgt Ion: 117 Resp: 8972
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.8 113.6#
 121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 52.140 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY018969.D

Acq: 09 Aug 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

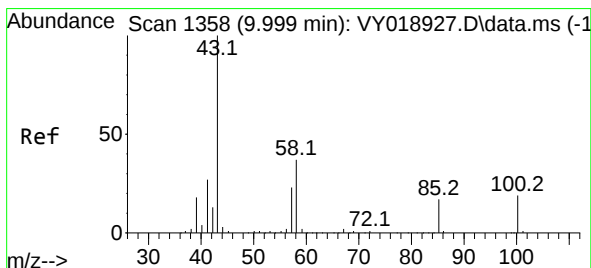
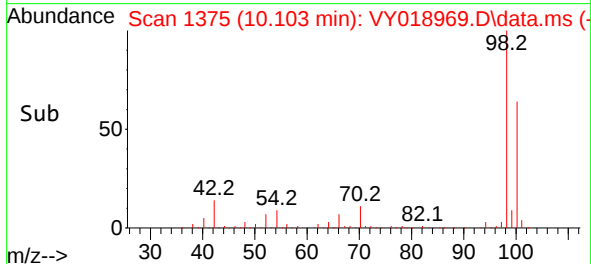
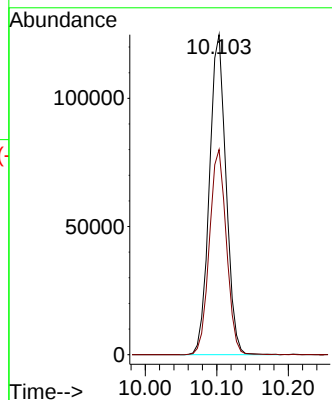
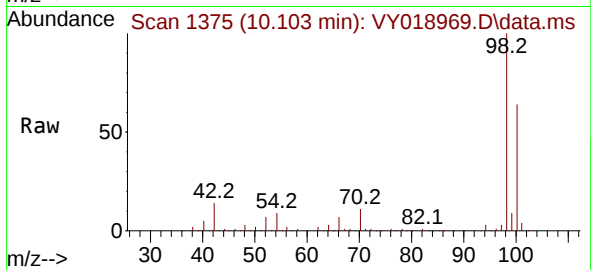
OU4-TS-08-080724

Tgt Ion: 98 Resp: 201507

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.605 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.098 min

Lab File: VY018969.D

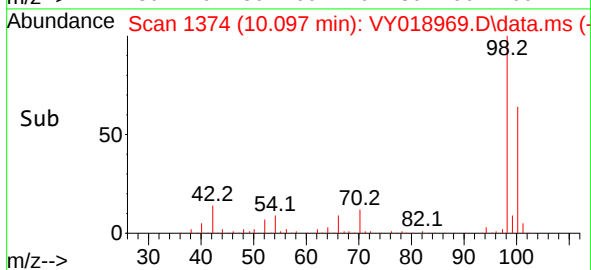
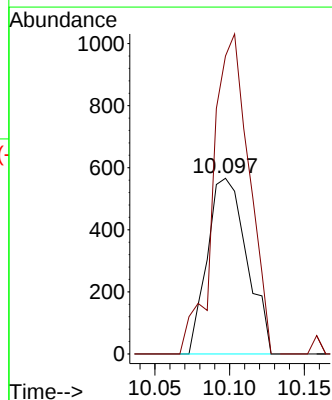
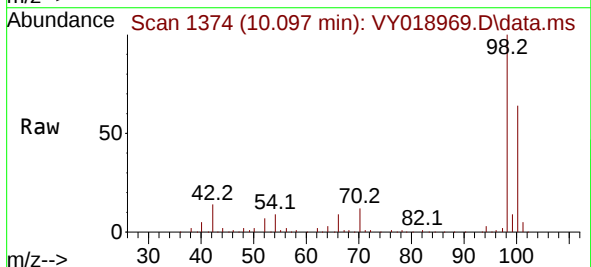
Acq: 09 Aug 2024 16:02

Tgt Ion: 43 Resp: 1039

Ion Ratio Lower Upper

43 100

58 165.4 35.7 53.5#

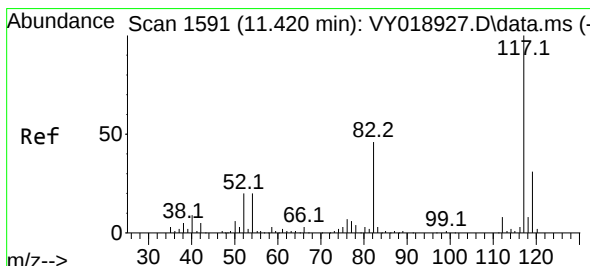
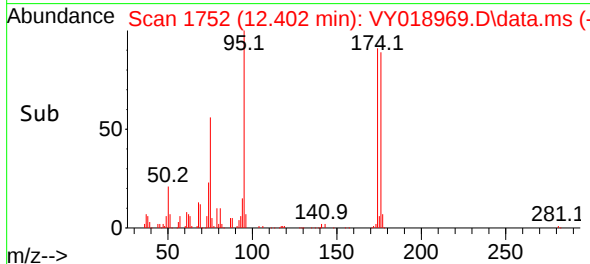
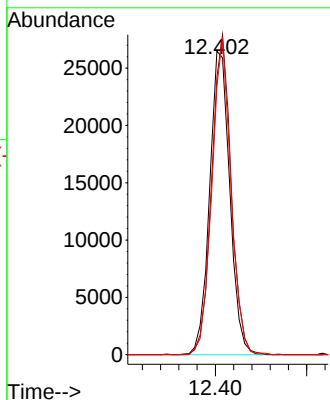
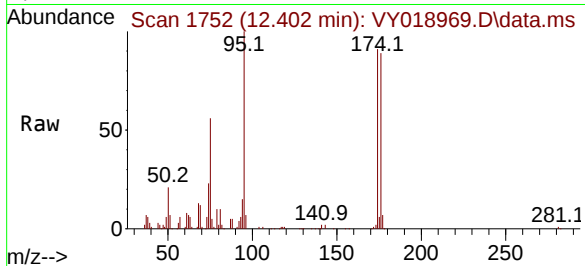




#62
4-Bromofluorobenzene
Concen: 35.331 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY018969.D
Acq: 09 Aug 2024 16:02

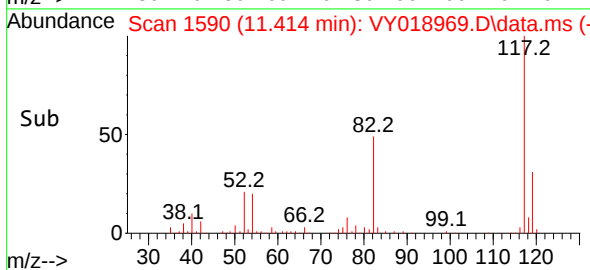
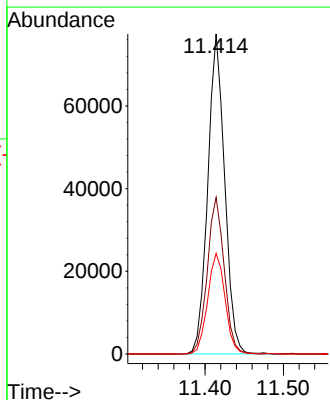
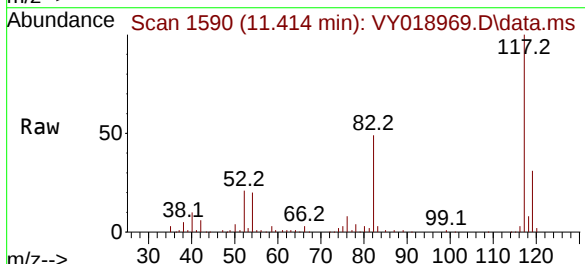
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-08-080724

Tgt Ion:	95	Resp:	40510
Ion	Ratio	Lower	Upper
95	100		
174	101.6	0.0	175.6
176	98.6	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY018969.D
Acq: 09 Aug 2024 16:02

Tgt Ion:	117	Resp:	115651
Ion	Ratio	Lower	Upper
117	100		
82	48.9	42.4	63.6
119	31.4	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY018969.D

Acq: 09 Aug 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-08-080724

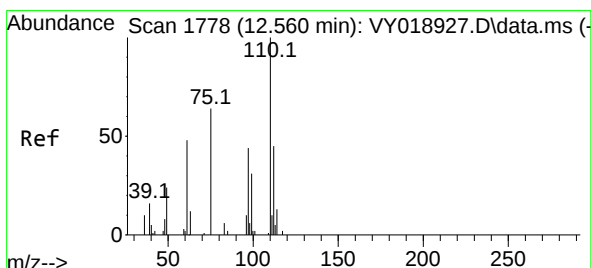
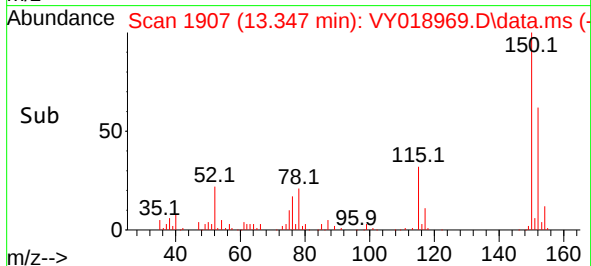
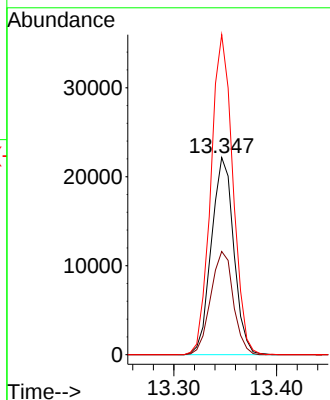
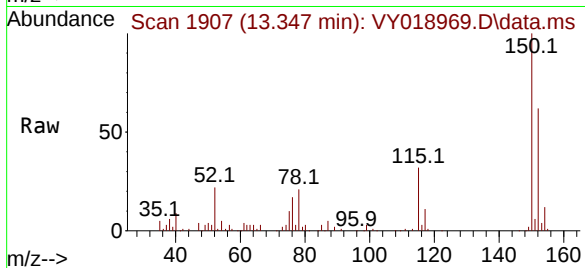
Tgt Ion:152 Resp: 33503

Ion Ratio Lower Upper

152 100

115 52.7 28.2 84.7

150 159.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 92.455 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY018969.D

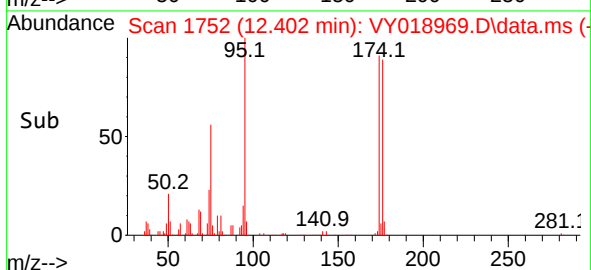
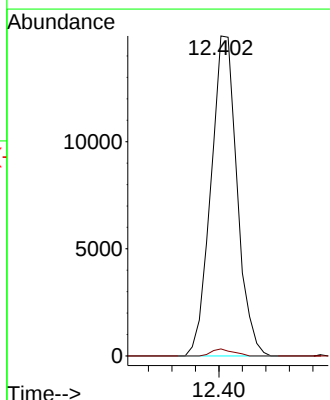
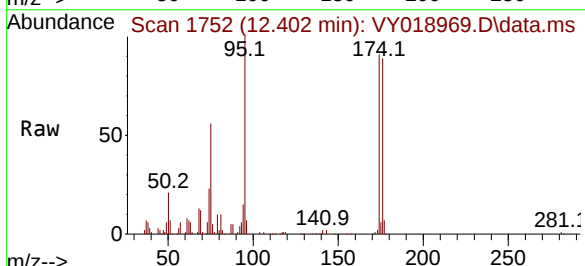
Acq: 09 Aug 2024 16:02

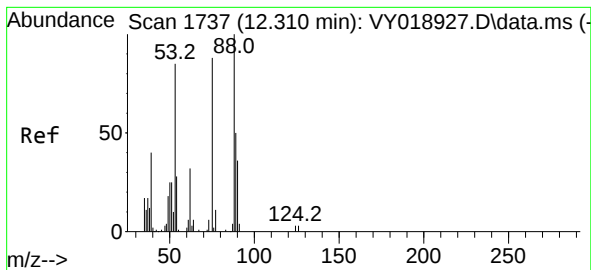
Tgt Ion: 75 Resp: 23076

Ion Ratio Lower Upper

75 100

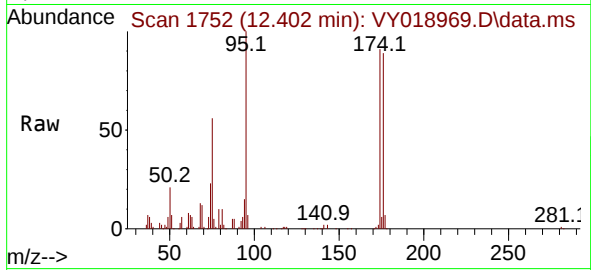
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 190.512 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.092 min
 Lab File: VY018969.D
 Acq: 09 Aug 2024 16:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-08-080724



Tgt Ion: 75 Resp: 23076
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

