

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080924\
 Data File : VY018960.D
 Acq On : 09 Aug 2024 12:19
 Operator : SY/MD
 Sample : P3520-01
 Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-CF-08-080624RE

Quant Time: Aug 09 23:25:04 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)

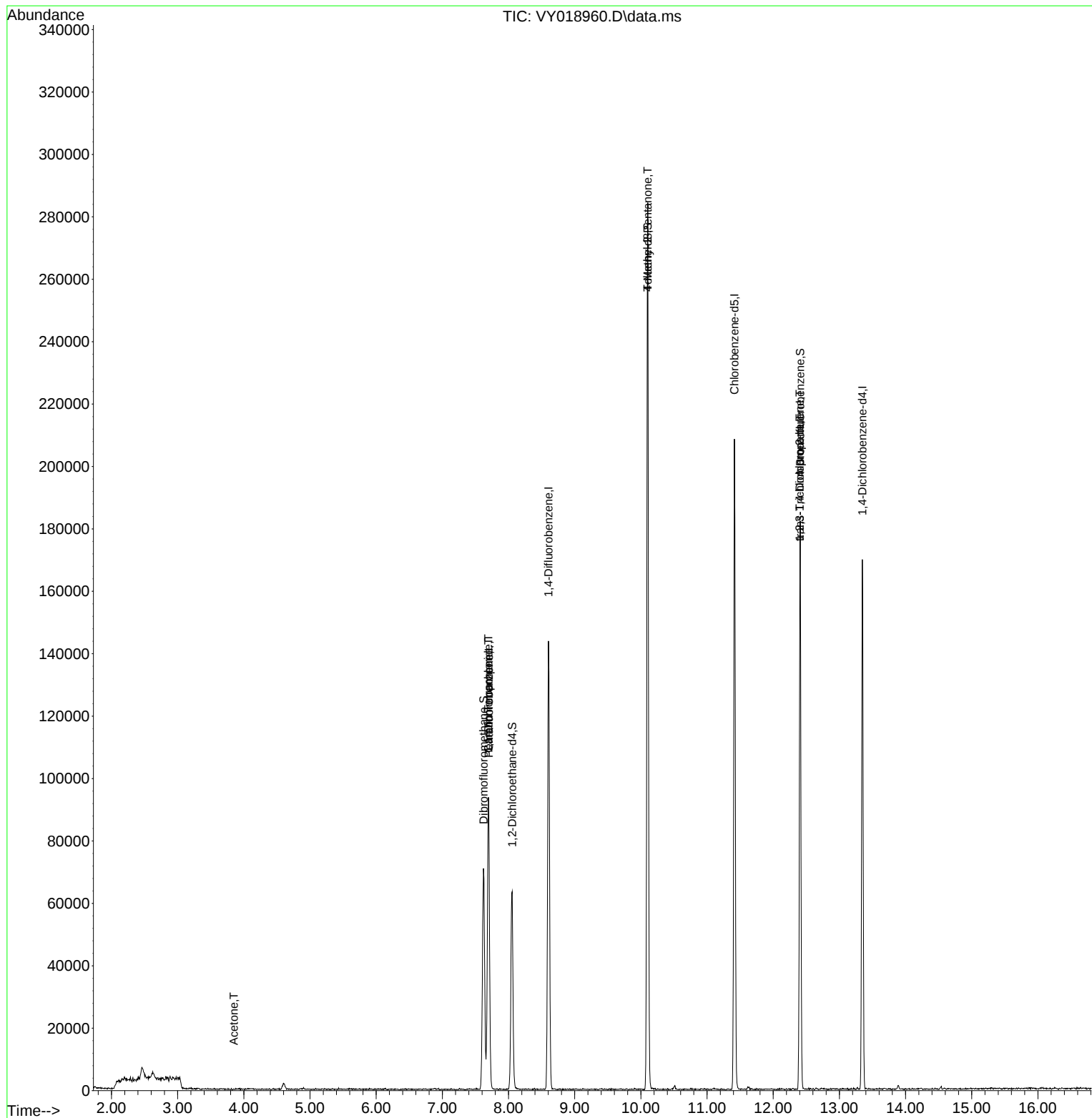
Internal Standards						
1) Pentafluorobenzene	7.701	168	76155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	120586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	102205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	40964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	40779	60.988	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.980%			
35) Dibromofluoromethane	7.622	113	46407	60.256	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.520%			
50) Toluene-d8	10.103	98	174174	58.877	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.760%			
62) 4-Bromofluorobenzene	12.408	95	44946	51.212	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.420%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	110	Below Cal	#	43
11) Tert butyl alcohol	4.848	59	26	Below Cal	#	88
13) Acrolein	3.903	56	42	Below Cal	#	15
16) Acetone	3.848	43	51	12.807	ug/l #	36
20) Methylene Chloride	4.598	84	1108	Below Cal	#	91
31) Cyclohexane	7.689	56	2232	Below Cal	#	69
36) 1,1-Dichloropropene	7.695	75	5417	5.240	ug/l #	51
38) Carbon Tetrachloride	7.695	117	7145	6.028	ug/l #	17
41) Methacrylonitrile	7.262	41	52	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.103	43	1012	2.042	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	26058	85.387	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	26058	175.948	ug/l #	16

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

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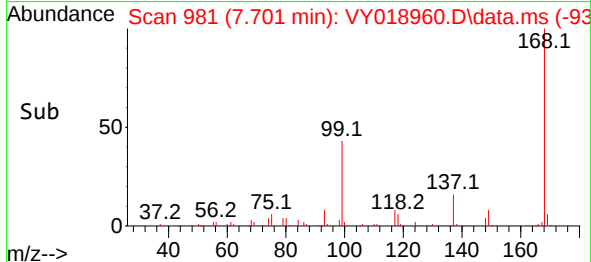
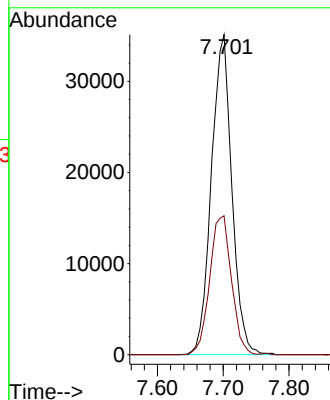
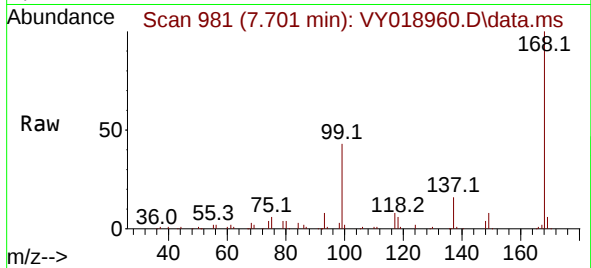




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY018960.D
Acq: 09 Aug 2024 12:19

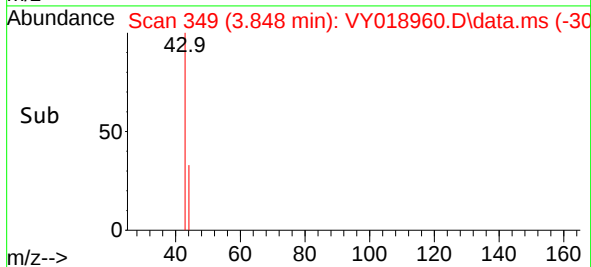
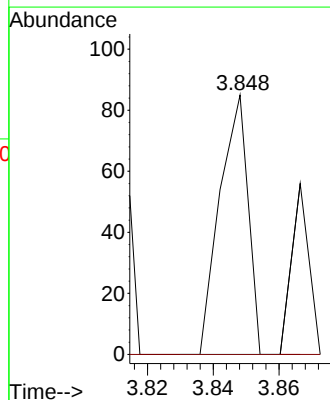
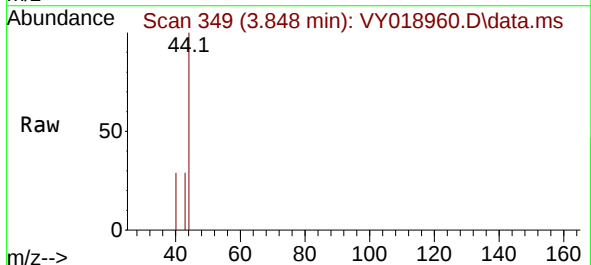
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-08-080624RE

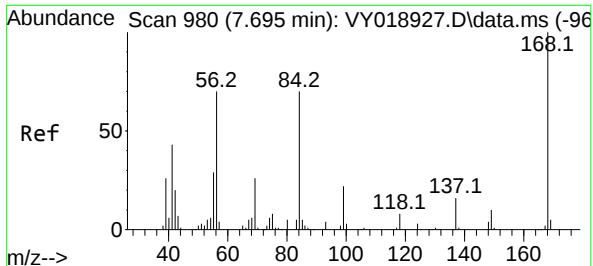
Tgt Ion:168 Resp: 76155
Ion Ratio Lower Upper
168 100
99 43.4 39.1 58.7



#16
Acetone
Concen: 12.807 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY018960.D
Acq: 09 Aug 2024 12:19

Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

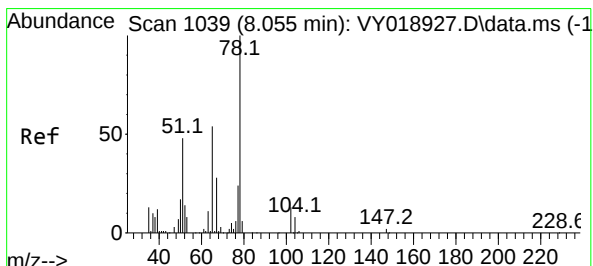
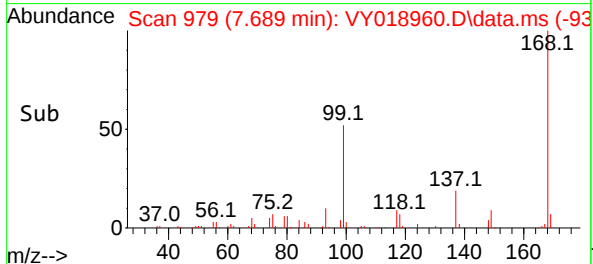
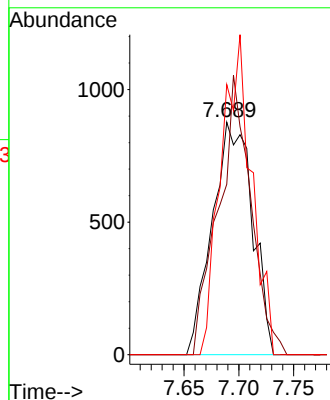
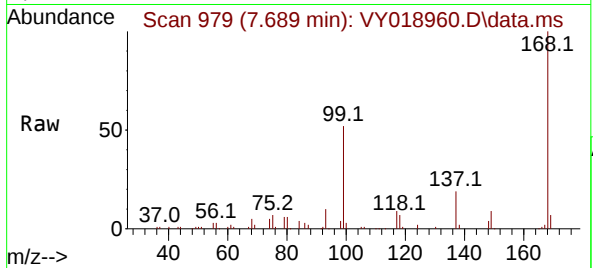




#31
Cyclohexane
Concen: Below Cal
RT: 7.689 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018960.D
Acq: 09 Aug 2024 12:19

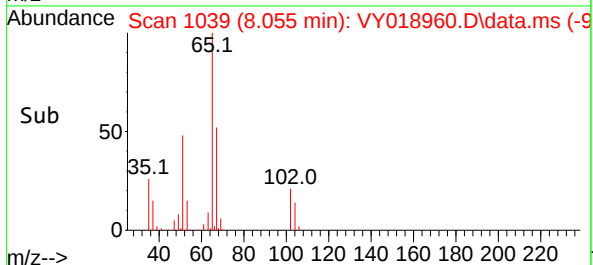
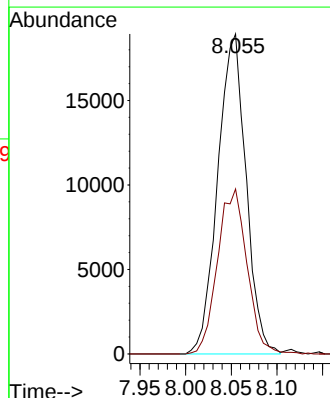
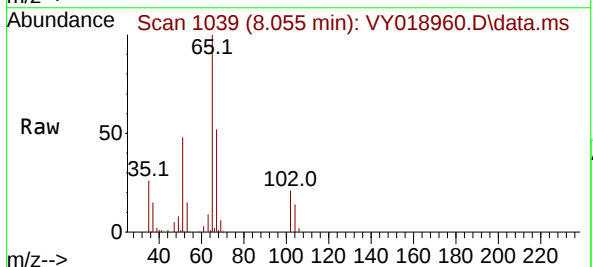
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-08-080624RE

Tgt Ion: 56 Resp: 2232
Ion Ratio Lower Upper
56 100
69 73.3 28.7 43.1#
84 116.2 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 60.988 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY018960.D
Acq: 09 Aug 2024 12:19

Tgt Ion: 65 Resp: 40779
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY018960.D

Acq: 09 Aug 2024 12:19

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-08-080624RE

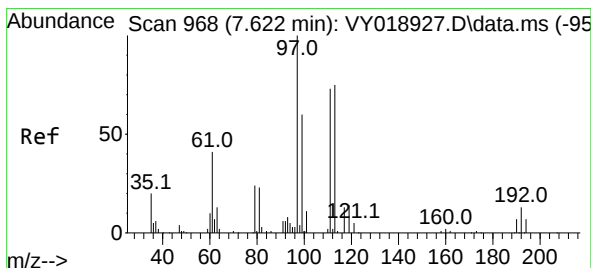
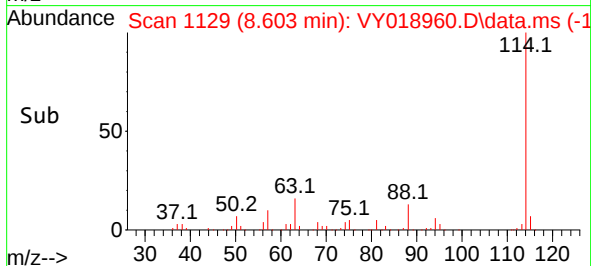
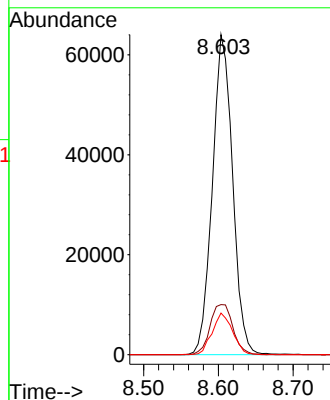
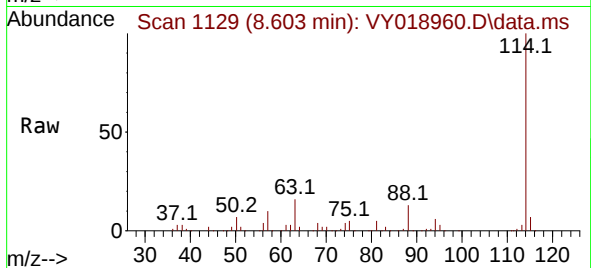
Tgt Ion:114 Resp: 120586

Ion Ratio Lower Upper

114 100

63 15.7 0.0 35.0

88 13.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 60.256 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY018960.D

Acq: 09 Aug 2024 12:19

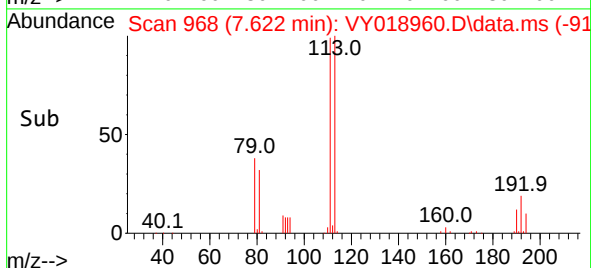
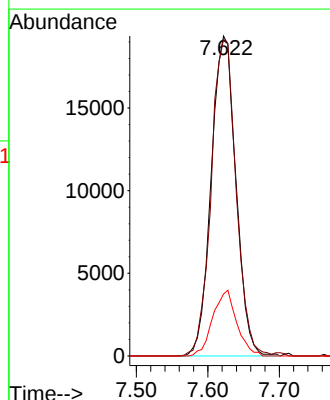
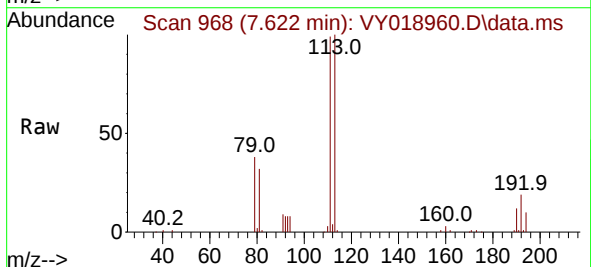
Tgt Ion:113 Resp: 46407

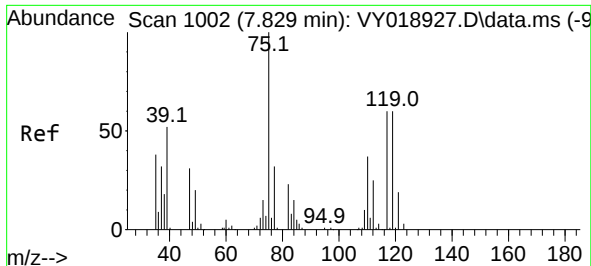
Ion Ratio Lower Upper

113 100

111 99.8 82.2 123.4

192 19.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.240 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY018960.D

Acq: 09 Aug 2024 12:19

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-08-080624RE

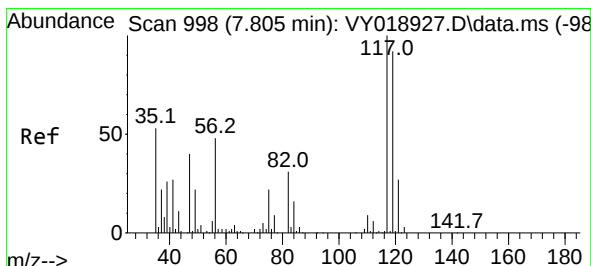
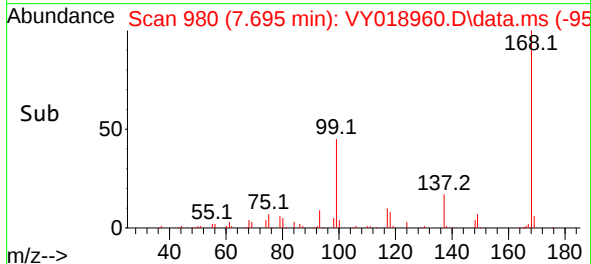
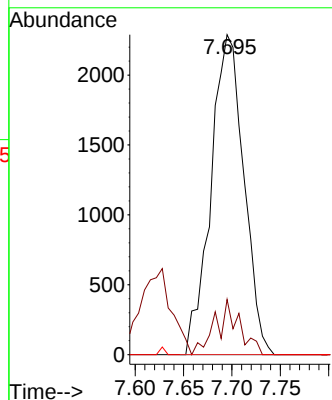
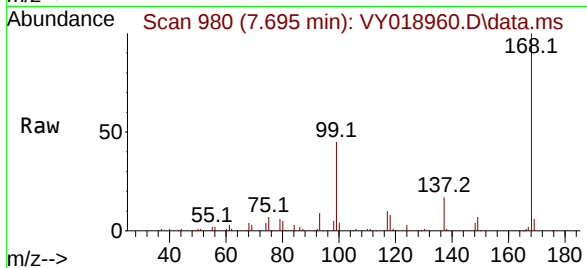
Tgt Ion: 75 Resp: 5417

Ion Ratio Lower Upper

75 100

110 12.6 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.028 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY018960.D

Acq: 09 Aug 2024 12:19

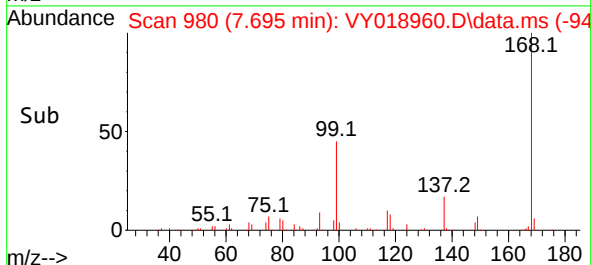
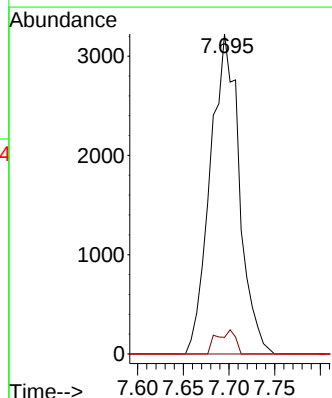
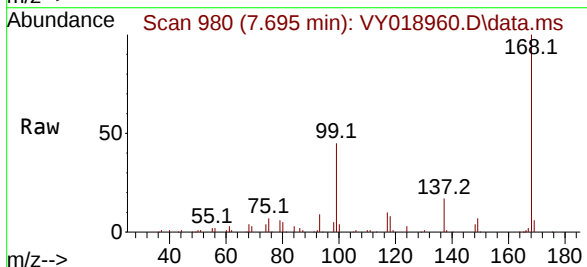
Tgt Ion: 117 Resp: 7145

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.6#

121 0.0 24.0 36.0#

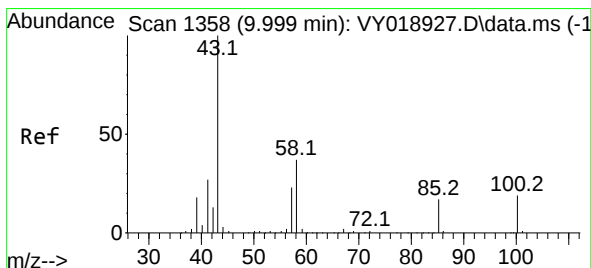
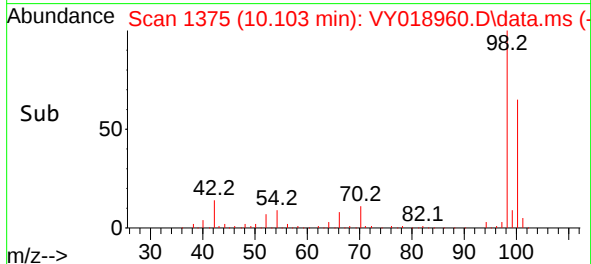
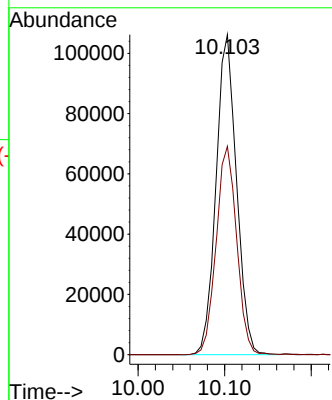
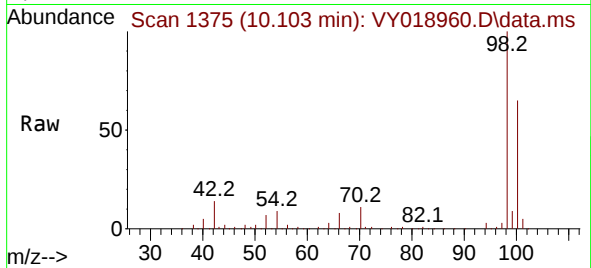




#50
Toluene-d8
Concen: 58.877 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY018960.D
Acq: 09 Aug 2024 12:19

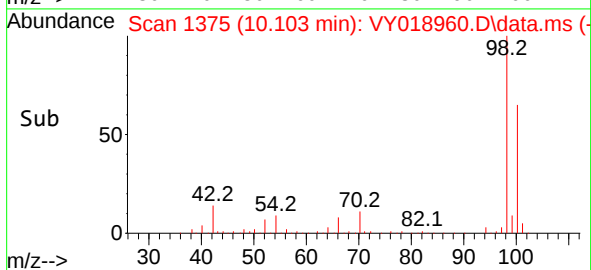
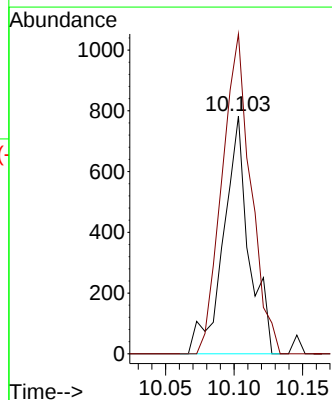
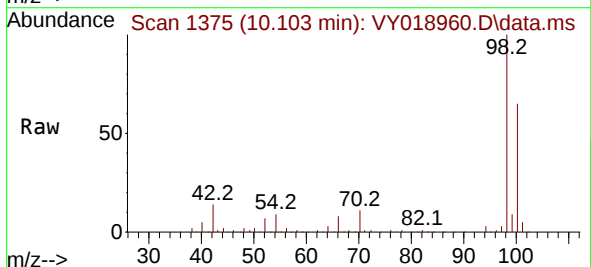
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-08-080624RE

Tgt Ion: 98 Resp: 174174
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.042 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY018960.D
Acq: 09 Aug 2024 12:19

Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
58 152.4 35.7 53.5#

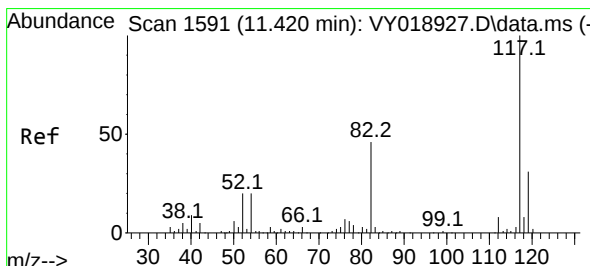
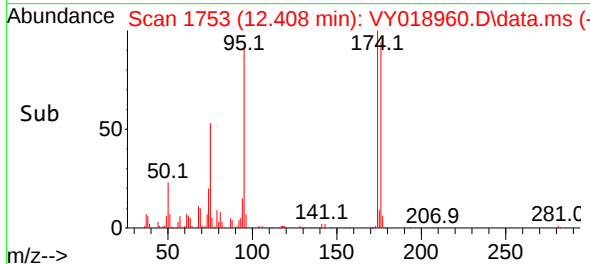
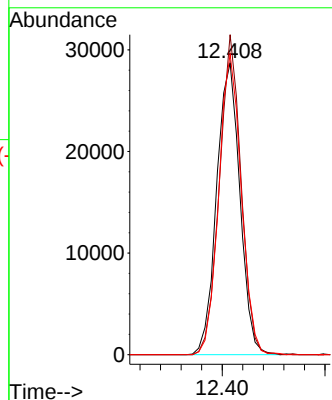
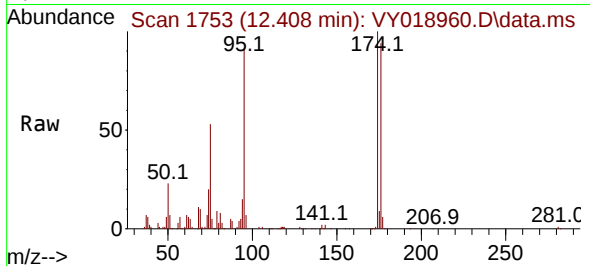




#62
4-Bromofluorobenzene
Concen: 51.212 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY018960.D
Acq: 09 Aug 2024 12:19

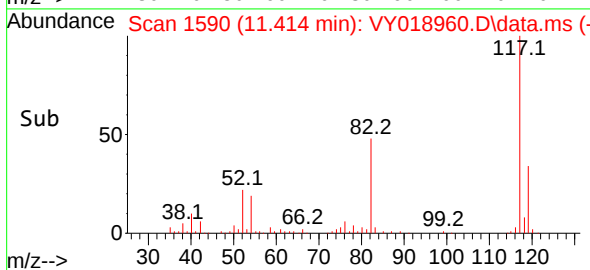
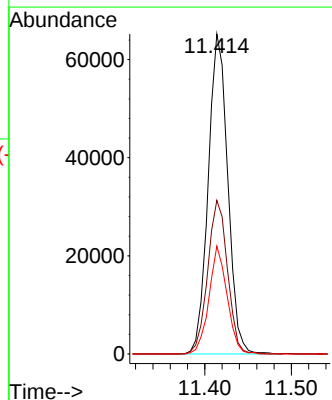
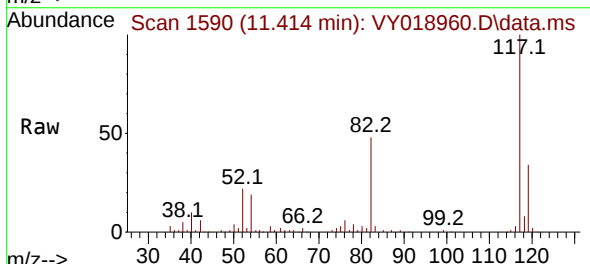
Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion:	95	Resp:	44946
Ion	Ratio	Lower	Upper
95	100		
174	102.0	0.0	175.6
176	99.7	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY018960.D
Acq: 09 Aug 2024 12:19

Tgt Ion:	117	Resp:	102205
Ion	Ratio	Lower	Upper
117	100		
82	48.0	42.4	63.6
119	33.7	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY018960.D

Acq: 09 Aug 2024 12:19

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-08-080624RE

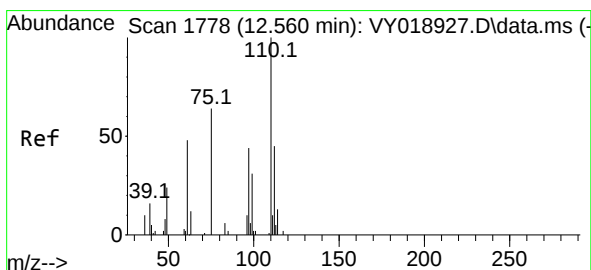
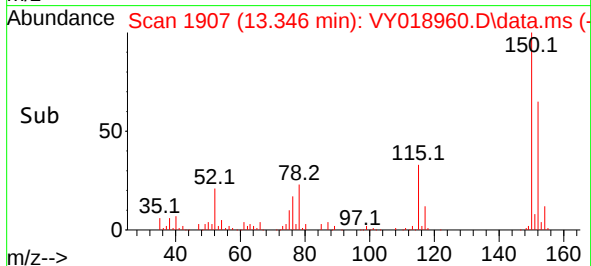
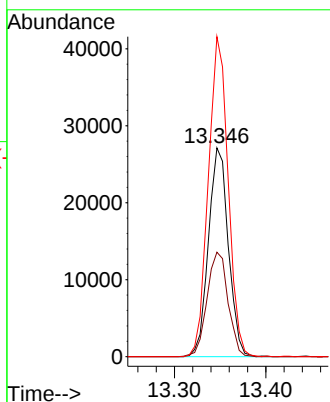
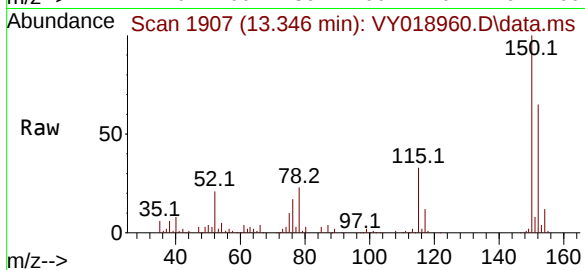
Tgt Ion:152 Resp: 40964

Ion Ratio Lower Upper

152 100

115 52.7 28.2 84.7

150 152.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 85.387 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.159 min

Lab File: VY018960.D

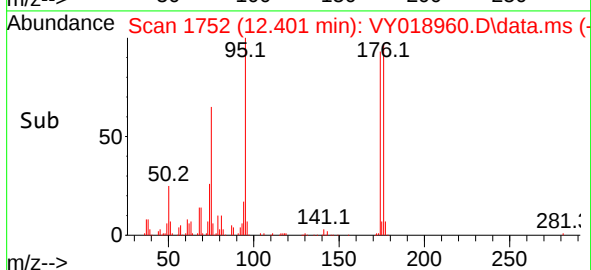
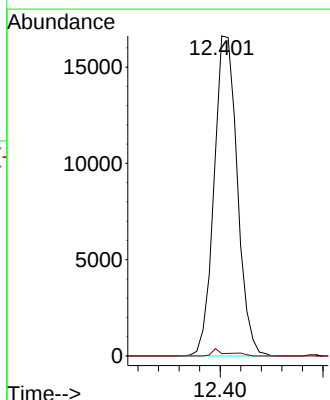
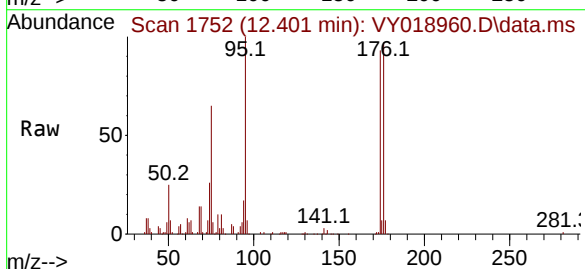
Acq: 09 Aug 2024 12:19

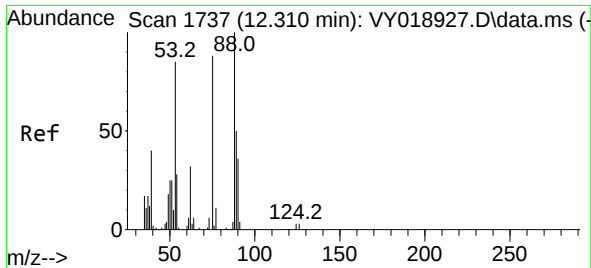
Tgt Ion: 75 Resp: 26058

Ion Ratio Lower Upper

75 100

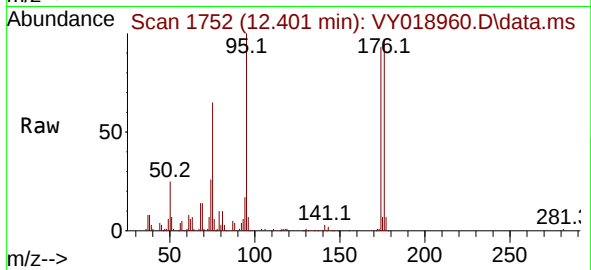
77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 175.948 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.091 min
Lab File: VY018960.D
Acq: 09 Aug 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-08-080624RE



Tgt Ion:	75	Resp:	26058
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.1	35.8	53.6#

