

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081224\
 Data File : VY019002.D
 Acq On : 12 Aug 2024 15:10
 Operator : SY/MD
 Sample : P3519-17
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-CF-01-080624

Quant Time: Aug 13 01:15:41 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.	T.QIon	Response	Conc	Units	Dev(Min)

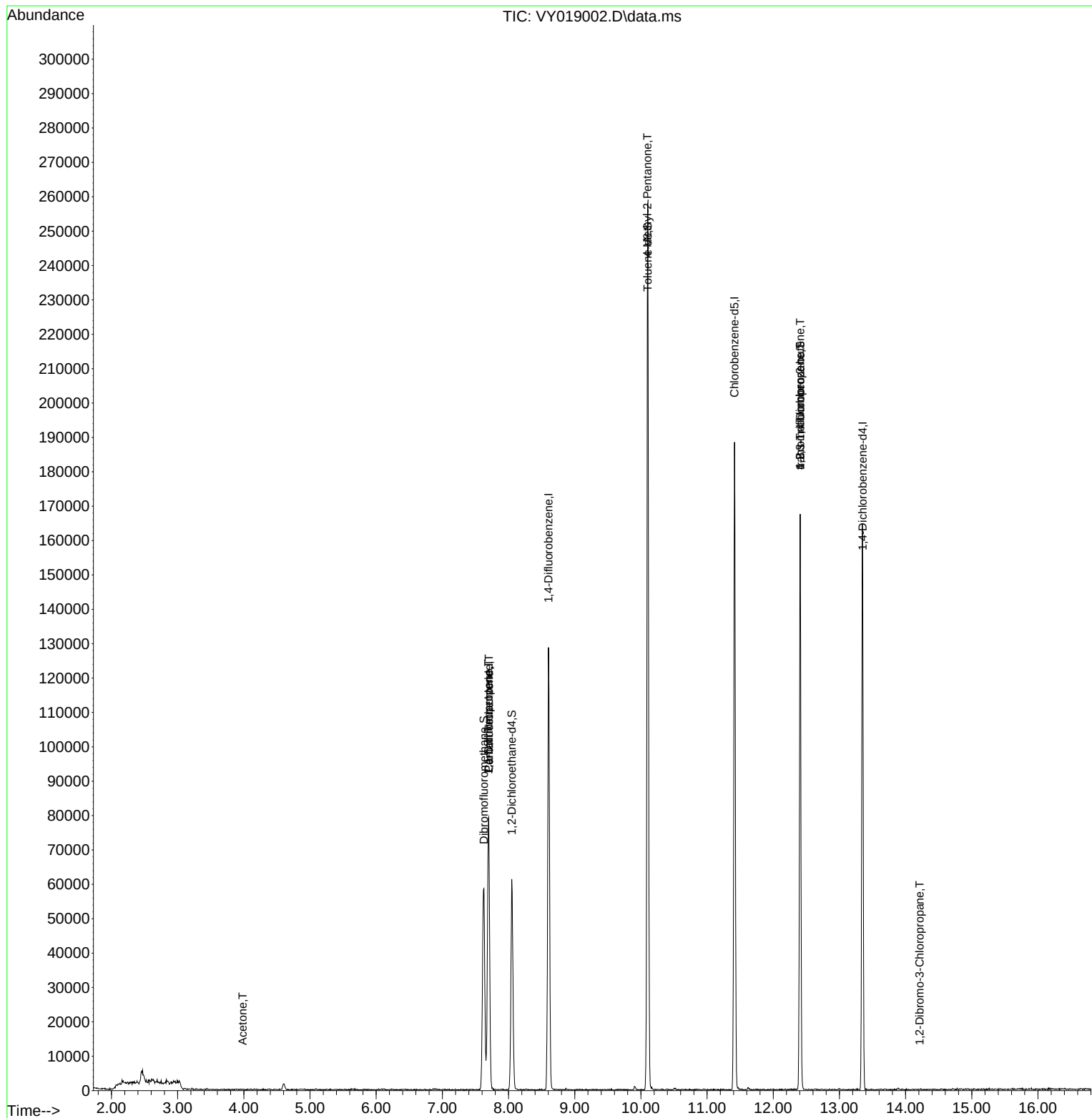
Internal Standards						
1) Pentafluorobenzene	7.701	168	65776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	106691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	91723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	38206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	36969	64.015	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.020%	
35) Dibromofluoromethane	7.628	113	39841	58.467	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.940%	
50) Toluene-d8	10.103	98	157362	60.122	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 120.240%	
62) 4-Bromofluorobenzene	12.408	95	40139	51.691	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.380%	
Target Compounds						
3) Chloromethane	2.068	50	70	Below Cal	#	Qvalue 43
11) Tert butyl alcohol	4.866	59	85	Below Cal	#	88
16) Acetone	3.982	43	53	12.864	ug/l #	36
20) Methylene Chloride	4.610	84	868	Below Cal	#	85
31) Cyclohexane	7.695	56	1669	Below Cal	#	64
36) 1,1-Dichloropropene	7.695	75	5025	5.494	ug/l #	48
38) Carbon Tetrachloride	7.701	117	5549	5.291	ug/l #	15
41) Methacrylonitrile	7.482	41	20	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.097	43	950	2.166	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	23174	81.418	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	23174	167.770	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.212	75	77	1.251	ug/l #	1

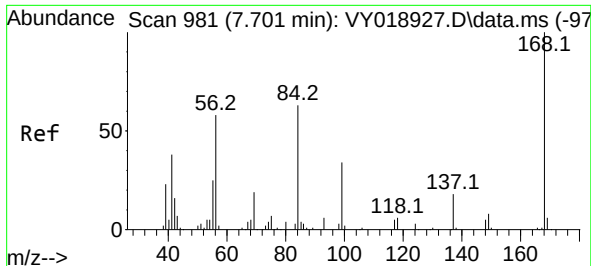
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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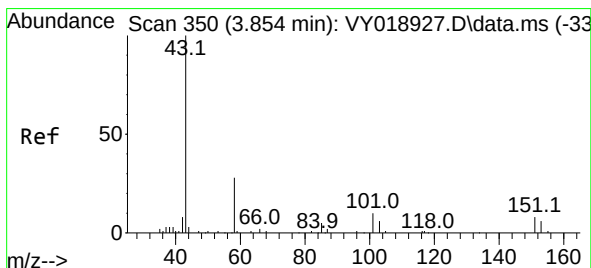
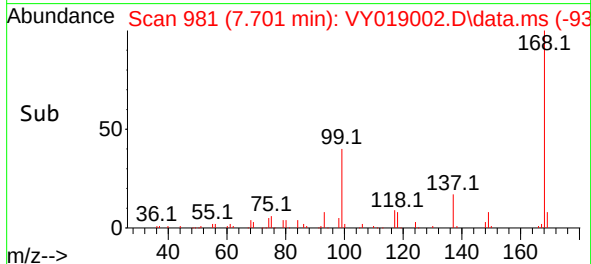
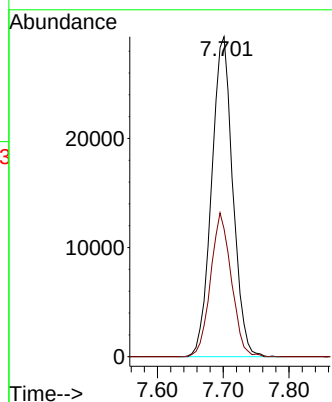
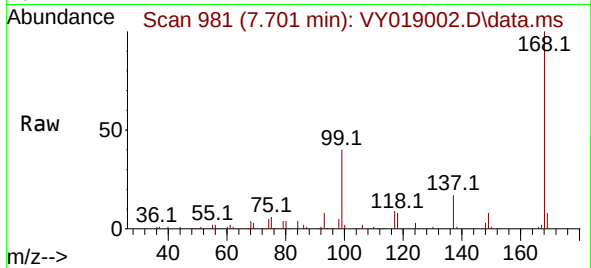




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

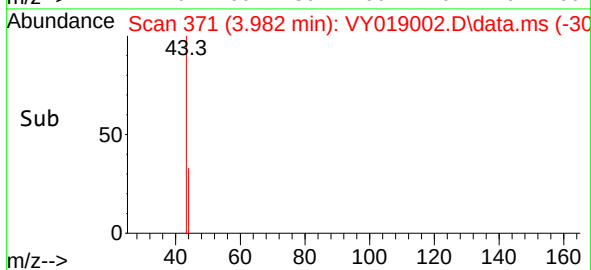
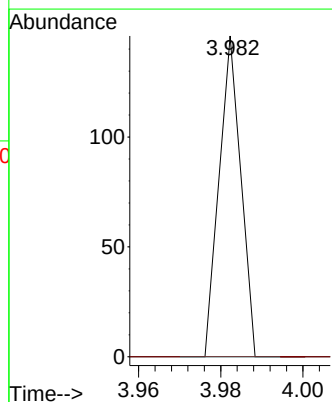
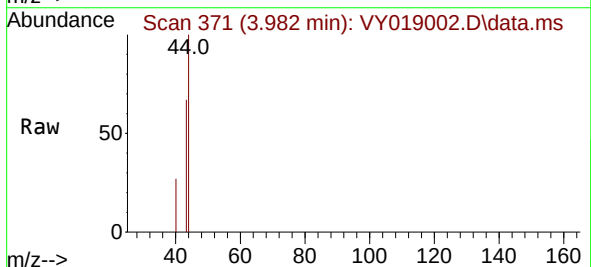
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-01-080624

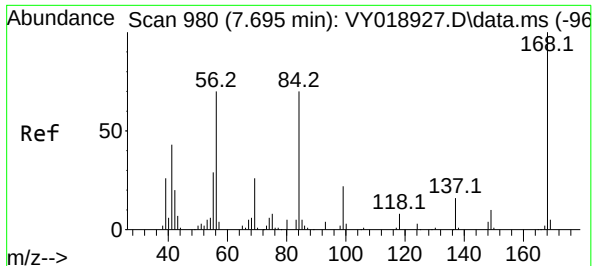
Tgt Ion:168 Resp: 65776
Ion Ratio Lower Upper
168 100
99 40.0 39.1 58.7



#16
Acetone
Concen: 12.864 ug/l
RT: 3.982 min Scan# 371
Delta R.T. 0.128 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

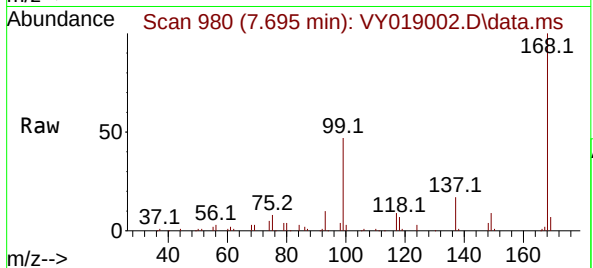
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



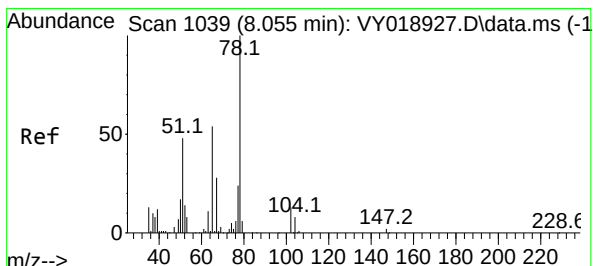
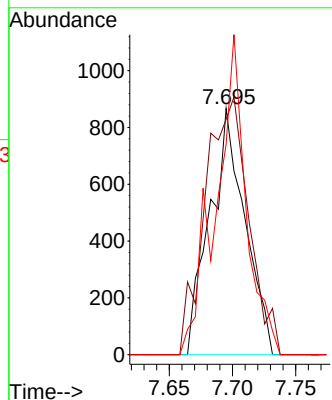
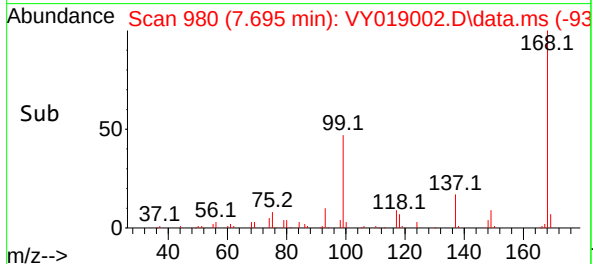


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

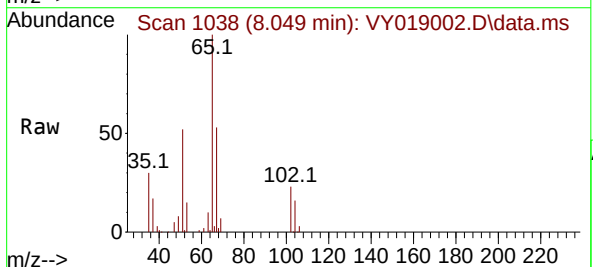
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-01-080624



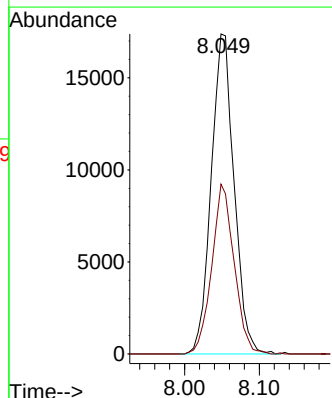
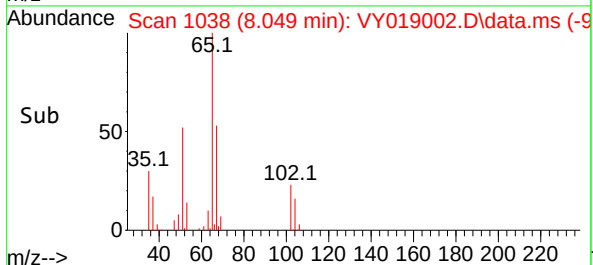
Tgt Ion: 56 Resp: 1669
Ion Ratio Lower Upper
56 100
69 95.6 28.7 43.1#
84 85.5 77.7 116.5

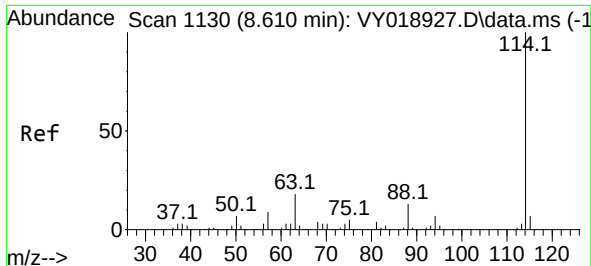


#33
1,2-Dichloroethane-d4
Concen: 64.015 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10



Tgt Ion: 65 Resp: 36969
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.6

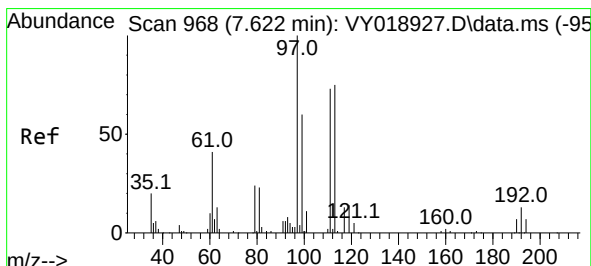
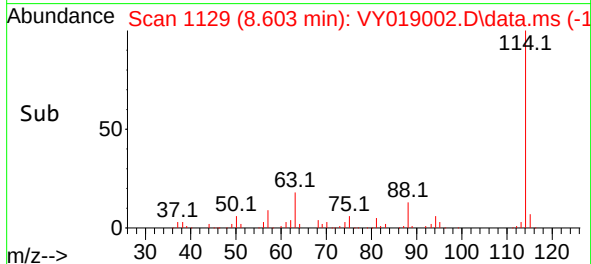
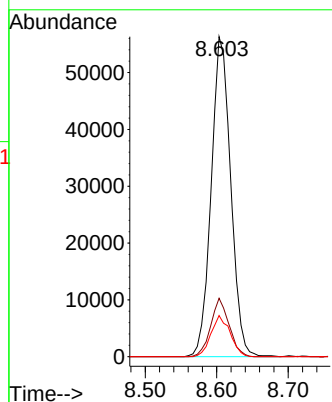
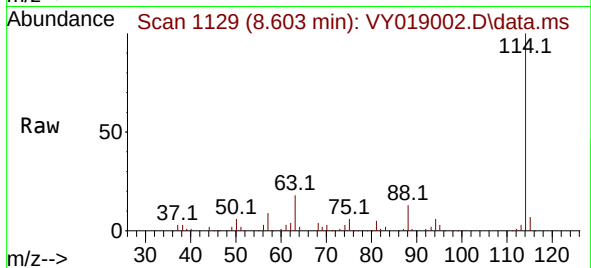




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.603 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

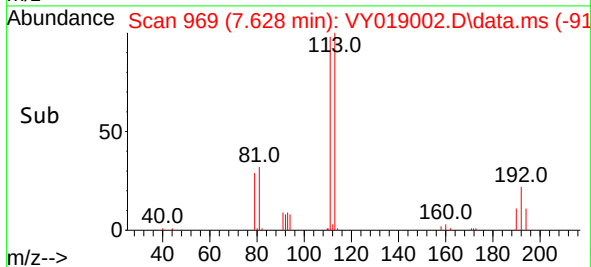
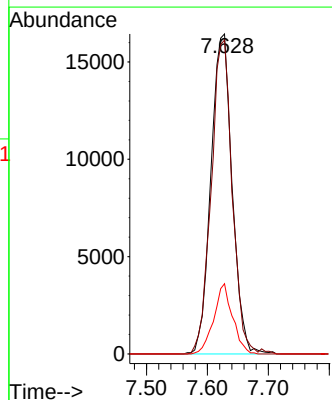
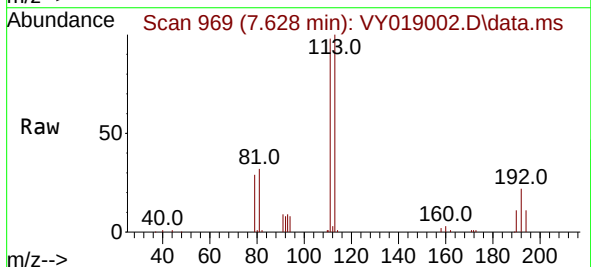
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-01-080624

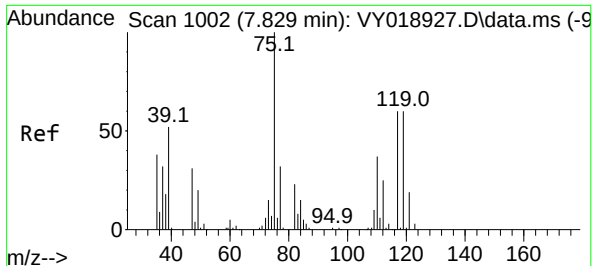
Tgt Ion:114 Resp: 106691
Ion Ratio Lower Upper
114 100
63 18.2 0.0 35.0
88 12.8 0.0 27.2



#35
Dibromofluoromethane
Concen: 58.467 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

Tgt Ion:113 Resp: 39841
Ion Ratio Lower Upper
113 100
111 96.7 82.2 123.4
192 19.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.494 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY019002.D

Acq: 12 Aug 2024 15:10

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-01-080624

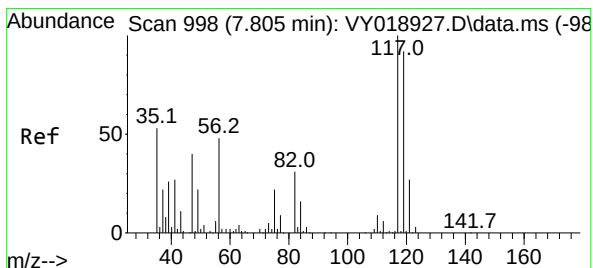
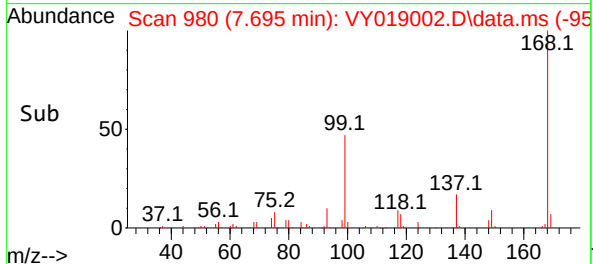
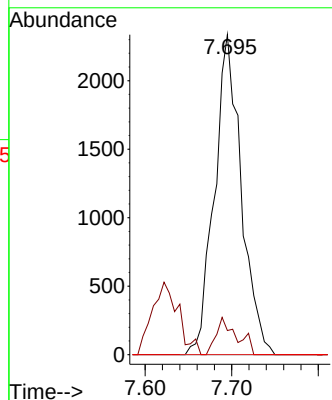
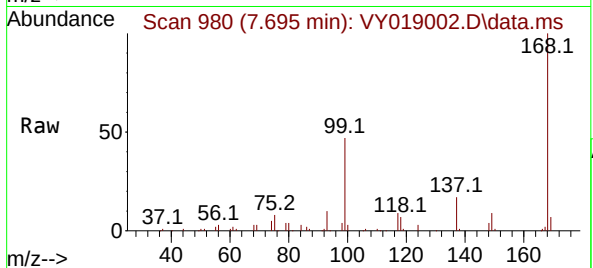
Tgt Ion: 75 Resp: 5025

Ion Ratio Lower Upper

75 100

110 8.9 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.291 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019002.D

Acq: 12 Aug 2024 15:10

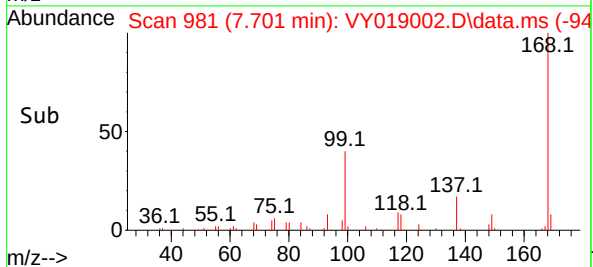
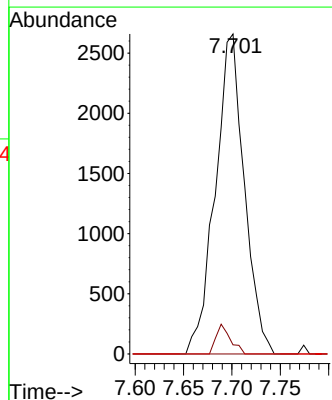
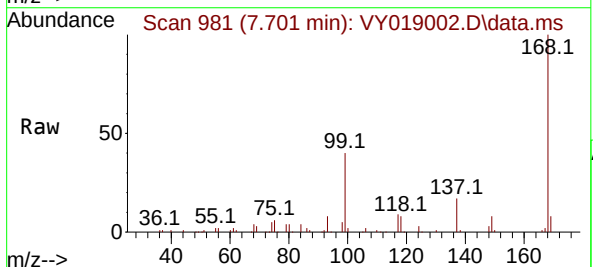
Tgt Ion: 117 Resp: 5549

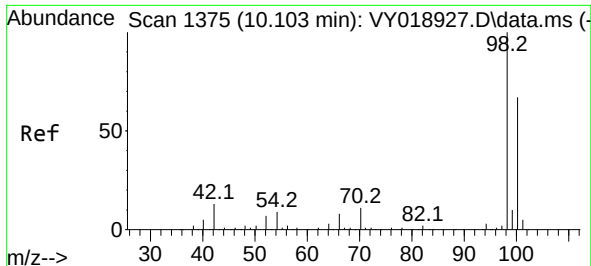
Ion Ratio Lower Upper

117 100

119 2.8 75.8 113.6#

121 0.0 24.0 36.0#

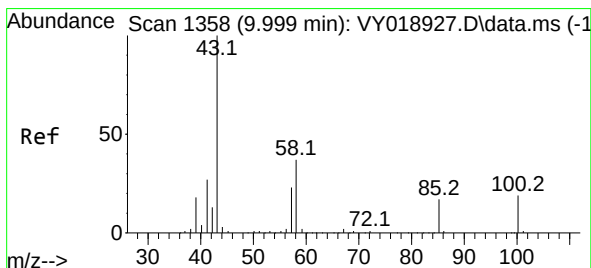
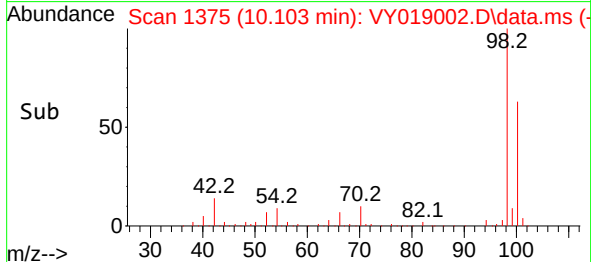
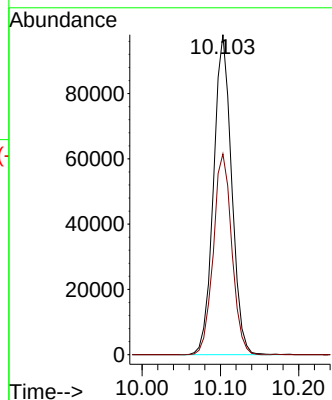
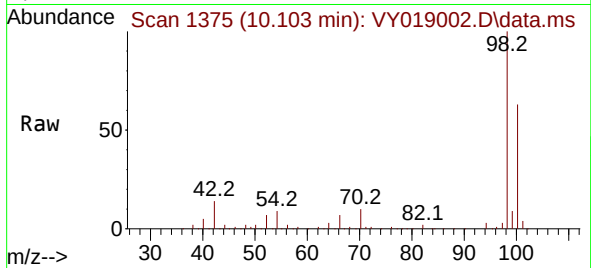




#50
Toluene-d8
Concen: 60.122 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

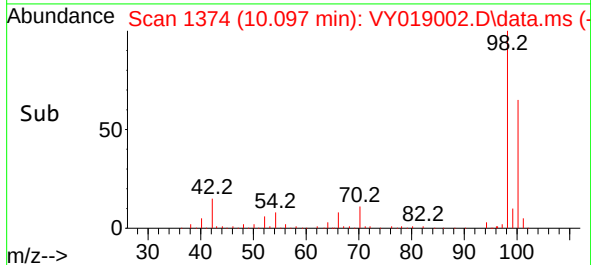
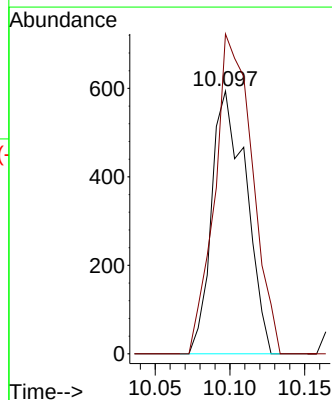
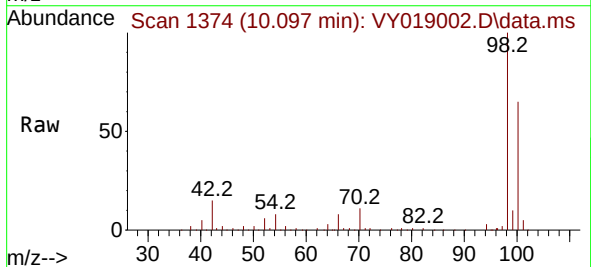
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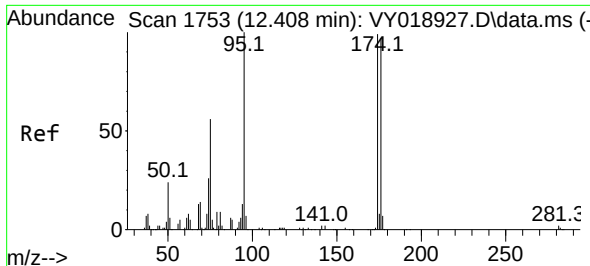
Tgt Ion: 98 Resp: 157362
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.166 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.098 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
58 132.8 35.7 53.5#

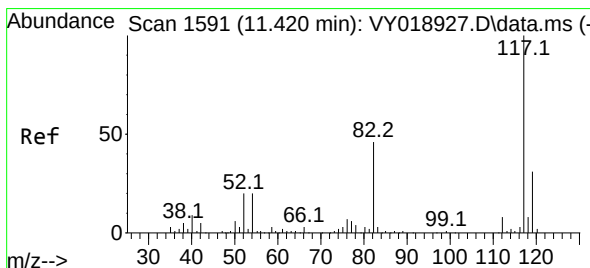
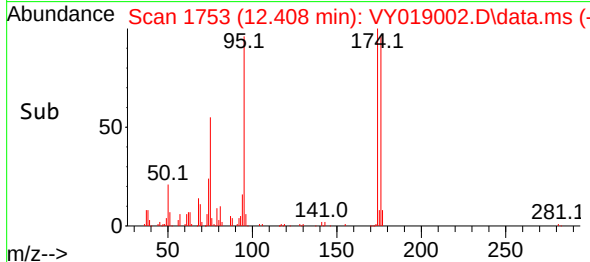
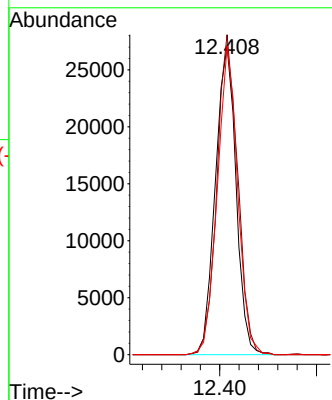
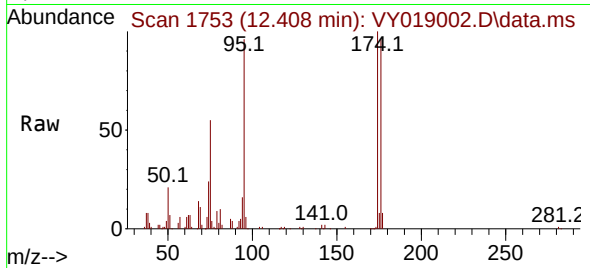




#62
4-Bromofluorobenzene
Concen: 51.691 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

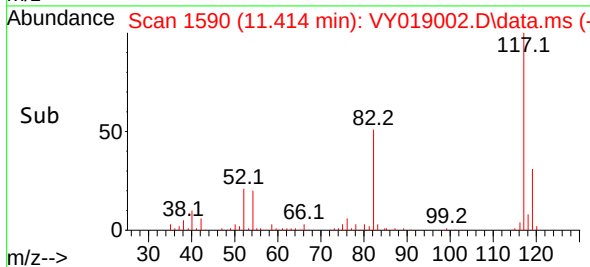
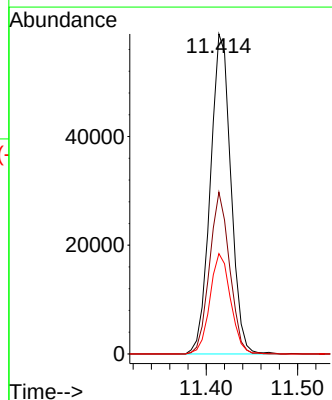
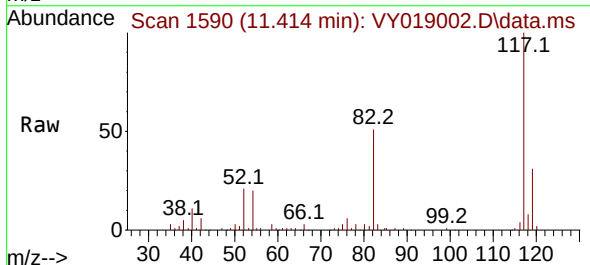
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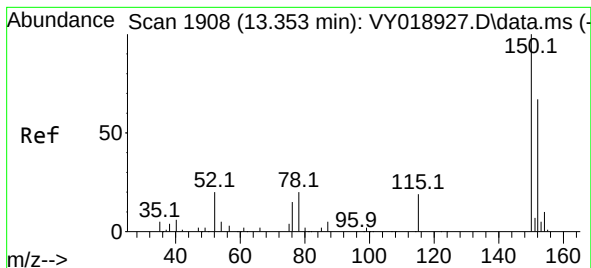
Tgt Ion:	95	Resp:	40139
Ion Ratio	Lower	Upper	
95	100		
174	104.0	0.0	175.6
176	98.5	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

Tgt Ion:	117	Resp:	91723
Ion Ratio	Lower	Upper	
117	100		
82	50.5	42.4	63.6
119	31.4	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: VY019002.D

Acq: 12 Aug 2024 15:10

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-01-080624

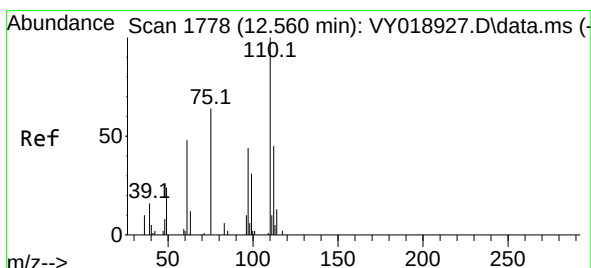
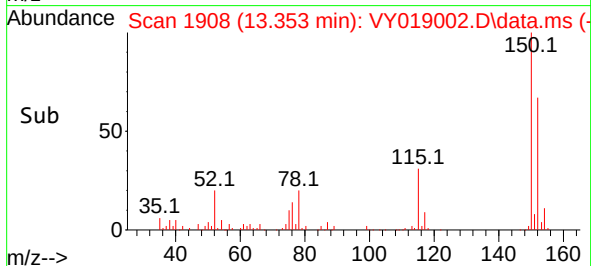
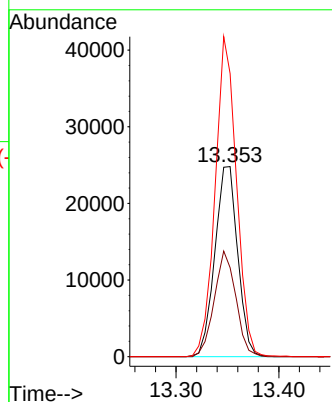
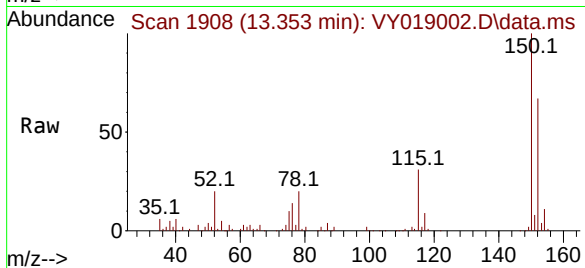
Tgt Ion:152 Resp: 38206

Ion Ratio Lower Upper

152 100

115 52.3 28.2 84.7

150 157.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 81.418 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019002.D

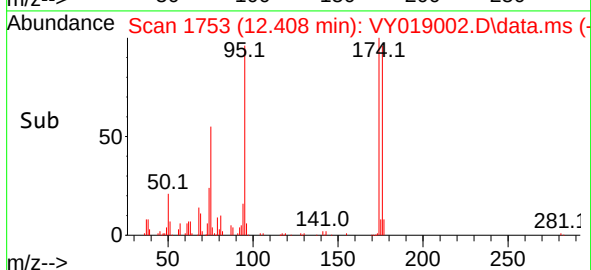
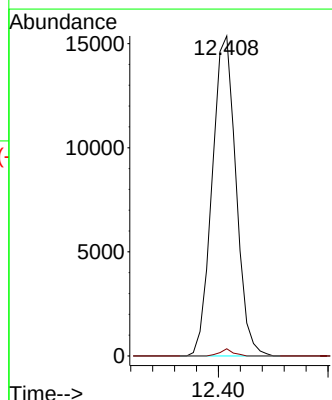
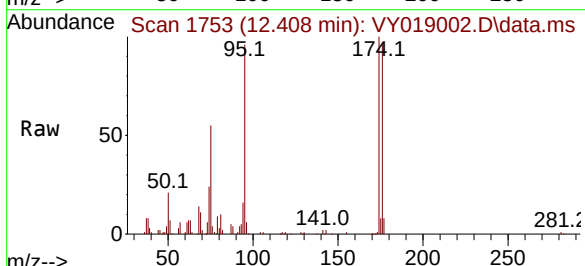
Acq: 12 Aug 2024 15:10

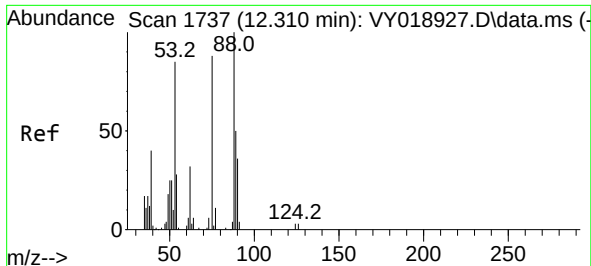
Tgt Ion: 75 Resp: 23174

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

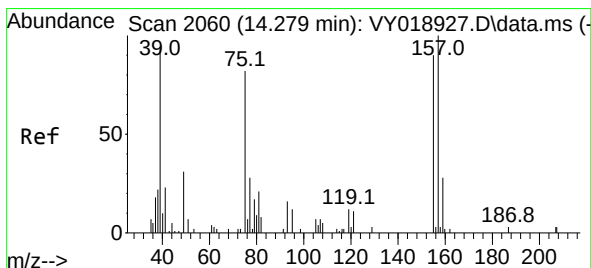
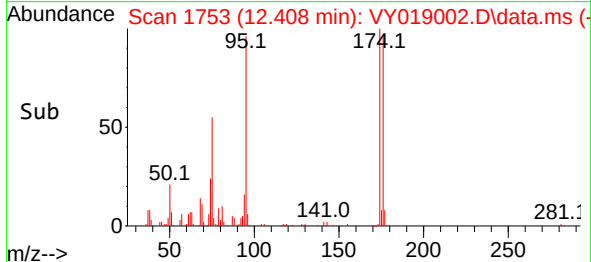
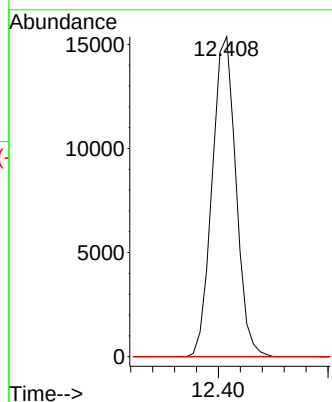
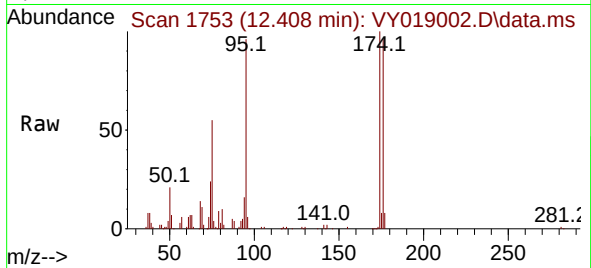




#81
trans-1,4-Dichloro-2-butene
Concen: 167.770 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-01-080624

Tgt Ion: 75 Resp: 23174
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.251 ug/l
RT: 14.212 min Scan# 2049
Delta R.T. -0.067 min
Lab File: VY019002.D
Acq: 12 Aug 2024 15:10

Tgt Ion: 75 Resp: 77
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

