

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081324\
 Data File : VY019023.D
 Acq On : 13 Aug 2024 12:39
 Operator : SY/MD
 Sample : P3518-29
 Misc : 4.57g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-15-080724RE

Quant Time: Aug 14 01:35:37 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)

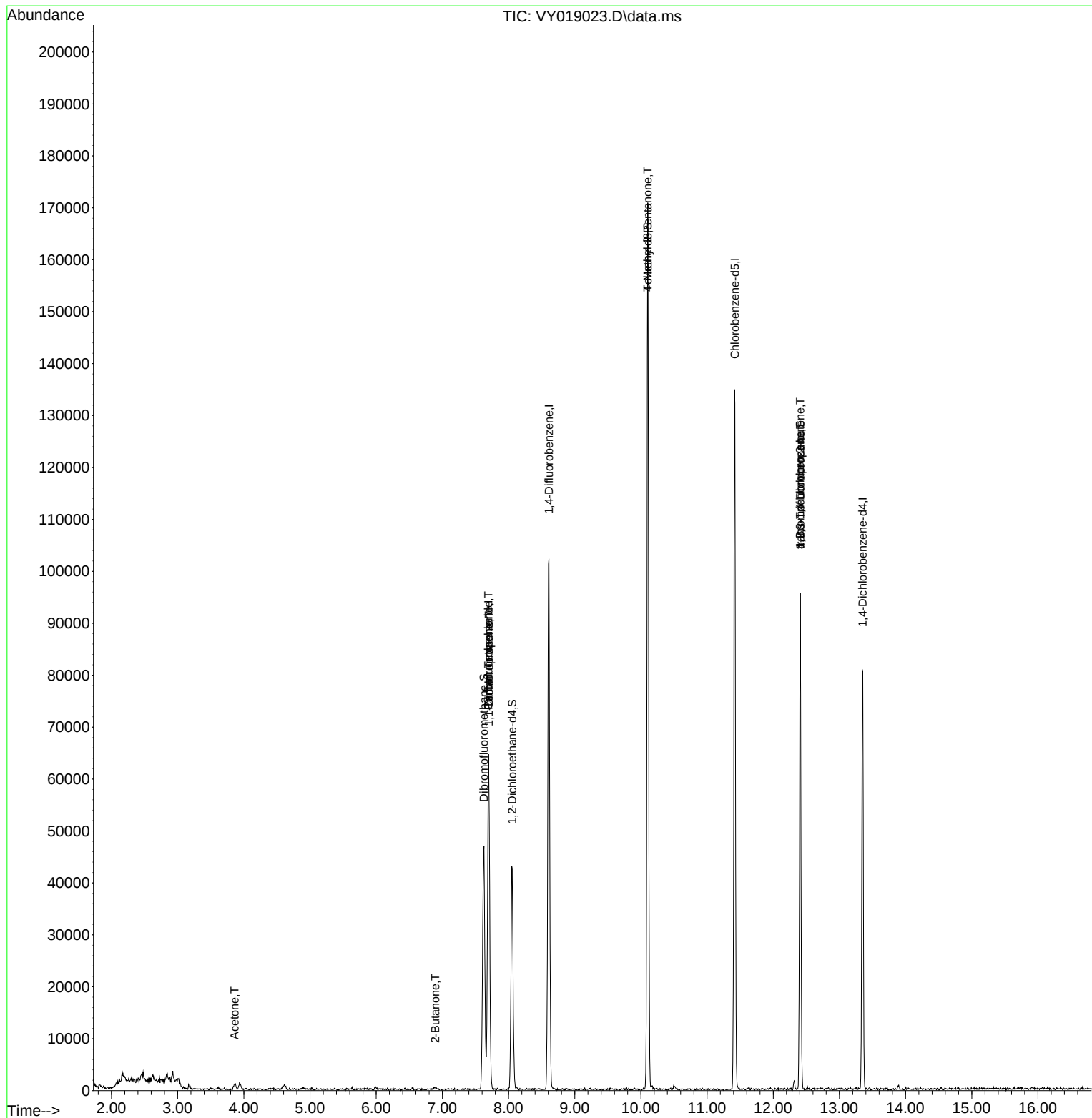
Internal Standards						
1) Pentafluorobenzene	7.695	168	52440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	90189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	69617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	19574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	26443	57.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.860%	
35) Dibromofluoromethane	7.628	113	29639	51.454	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.900%	
50) Toluene-d8	10.103	98	103454	46.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.520%	
62) 4-Bromofluorobenzene	12.408	95	21806	33.220	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 66.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	93	Below Cal	#	43
16) Acetone	3.860	43	1536	24.803	ug/l #	82
20) Methylene Chloride	4.610	84	630	Below Cal	#	72
25) 2-Butanone	6.890	43	547	3.669	ug/l #	41
31) Cyclohexane	7.695	56	1263	Below Cal	#	36
36) 1,1-Dichloropropene	7.701	75	3790	4.901	ug/l #	47
38) Carbon Tetrachloride	7.695	117	4599	5.187	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	613	1.654	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	12845	88.086	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	12845	181.509	ug/l #	16

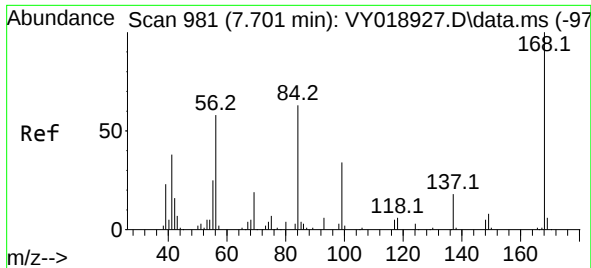
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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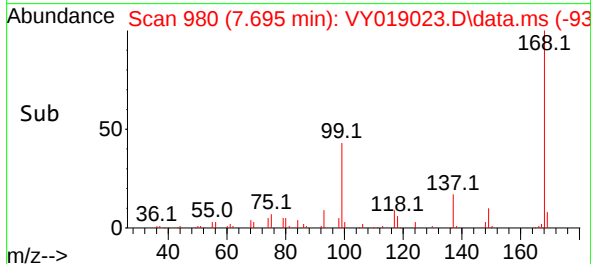
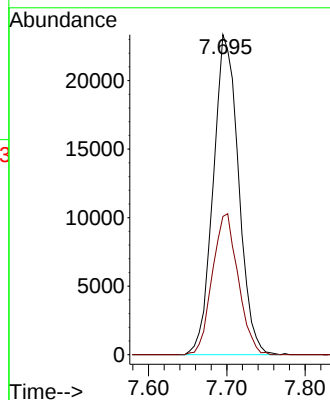
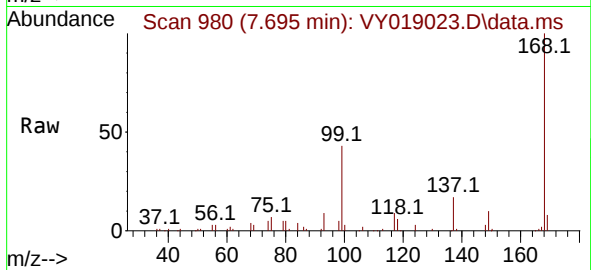




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019023.D
Acq: 13 Aug 2024 12:39

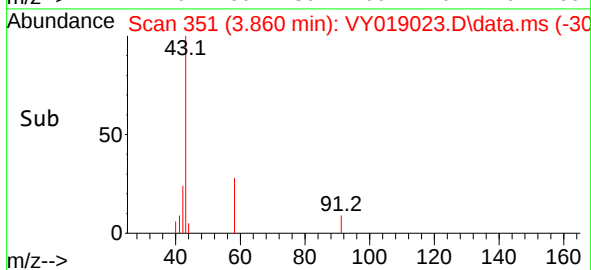
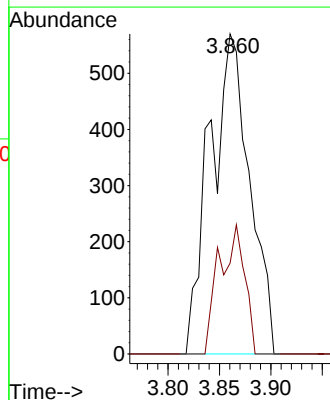
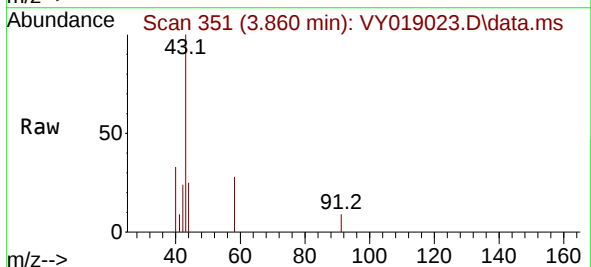
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-15-080724RE

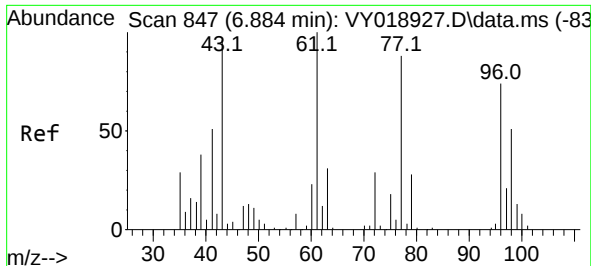
Tgt Ion:168 Resp: 52440
Ion Ratio Lower Upper
168 100
99 43.2 39.1 58.7



#16
Acetone
Concen: 24.803 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY019023.D
Acq: 13 Aug 2024 12:39

Tgt Ion: 43 Resp: 1536
Ion Ratio Lower Upper
43 100
58 28.4 31.7 47.5#





#25

2-Butanone

Concen: 3.669 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY019023.D

Acq: 13 Aug 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

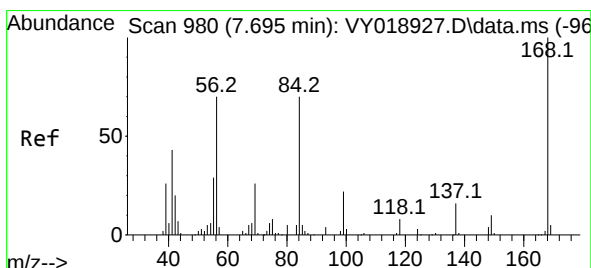
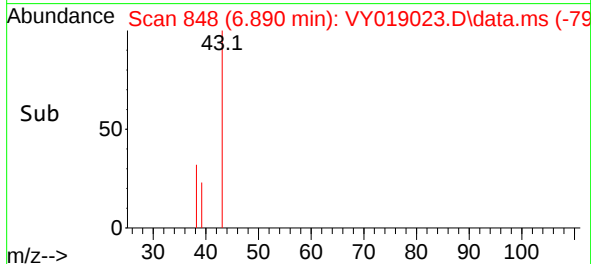
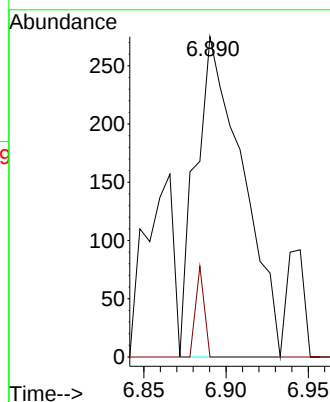
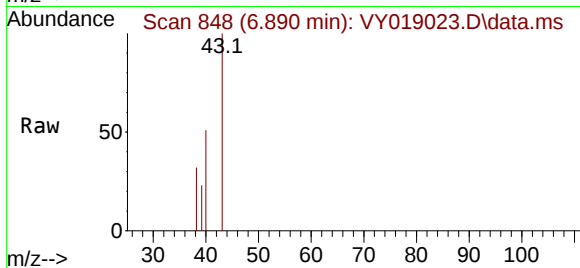
OU4-TS-15-080724RE

Tgt Ion: 43 Resp: 547

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: VY019023.D

Acq: 13 Aug 2024 12:39

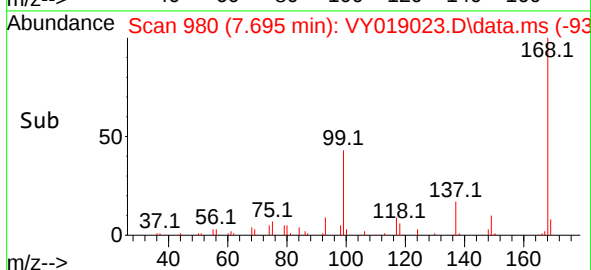
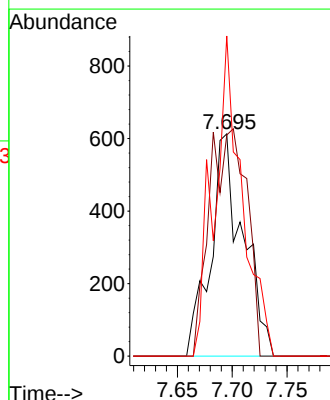
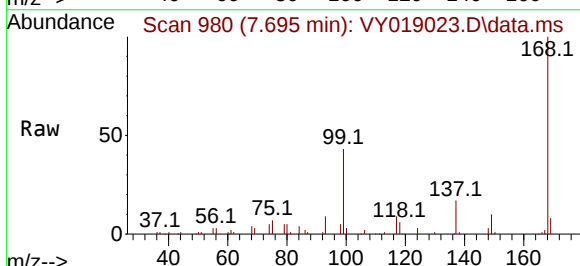
Tgt Ion: 56 Resp: 1263

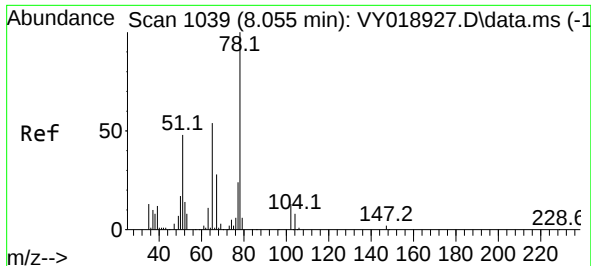
Ion Ratio Lower Upper

56 100

69 99.5 28.7 43.1#

84 144.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 57.432 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY019023.D

Acq: 13 Aug 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

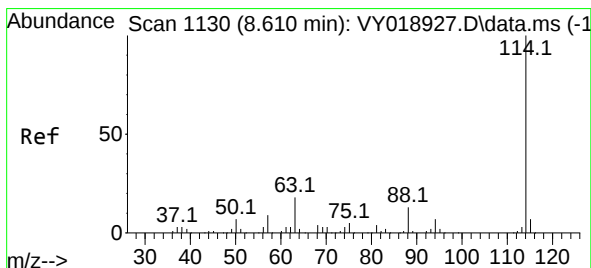
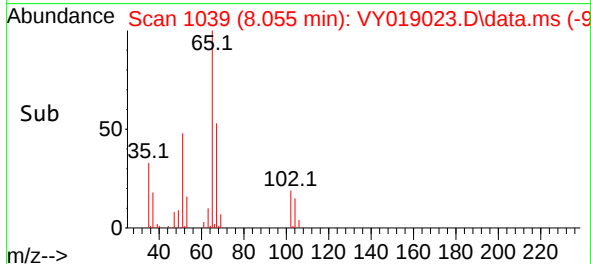
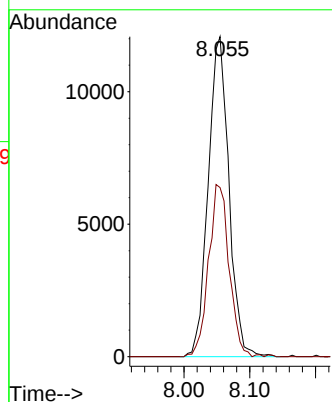
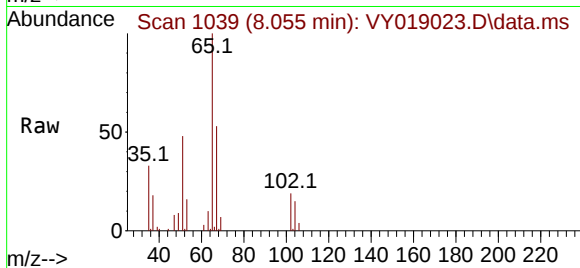
OU4-TS-15-080724RE

Tgt Ion: 65 Resp: 26443

Ion Ratio Lower Upper

65 100

67 53.3 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: VY019023.D

Acq: 13 Aug 2024 12:39

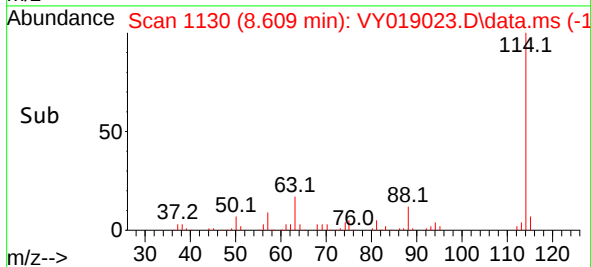
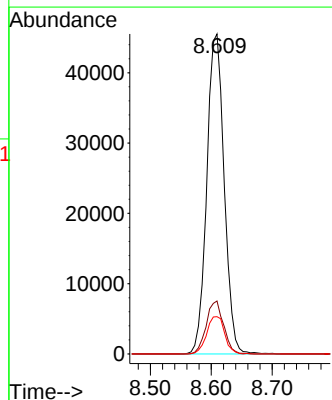
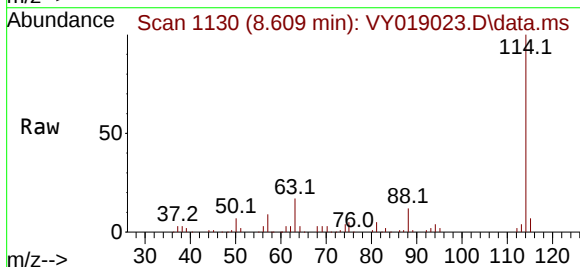
Tgt Ion: 114 Resp: 90189

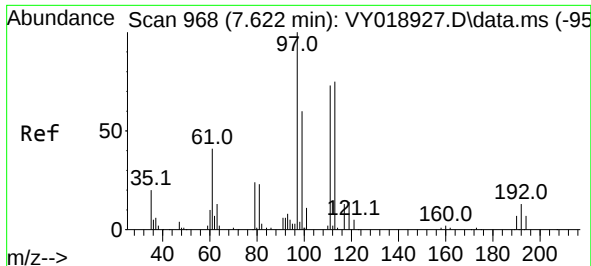
Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

88 11.7 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.454 ug/l

RT: 7.628 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY019023.D

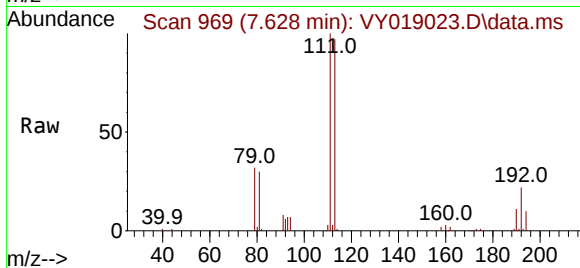
Acq: 13 Aug 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-15-080724RE



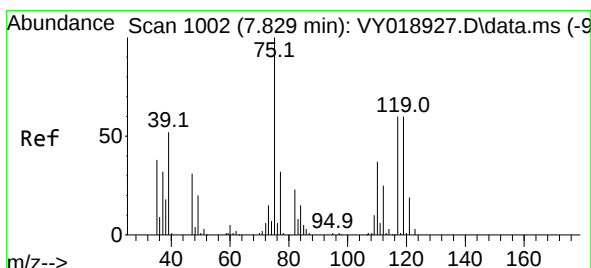
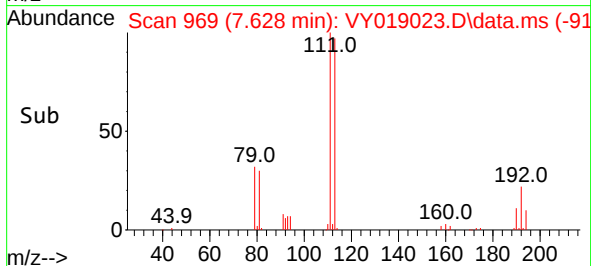
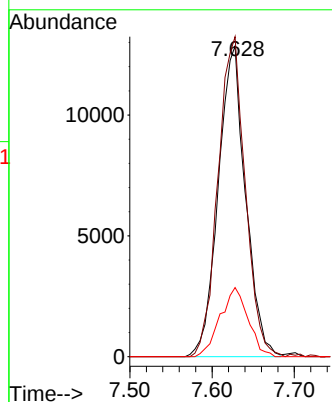
Tgt Ion:113 Resp: 29639

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 22.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.901 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY019023.D

Acq: 13 Aug 2024 12:39

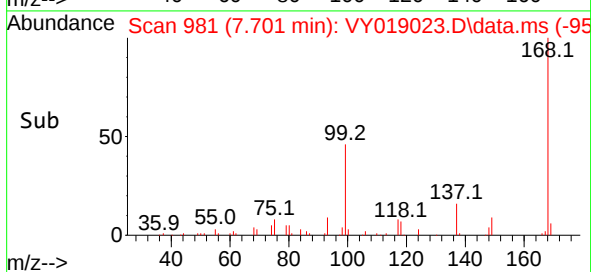
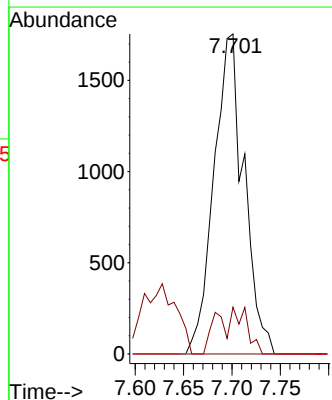
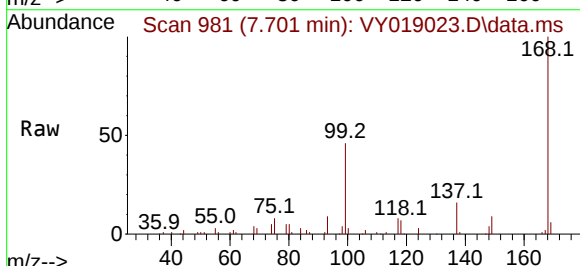
Tgt Ion: 75 Resp: 3790

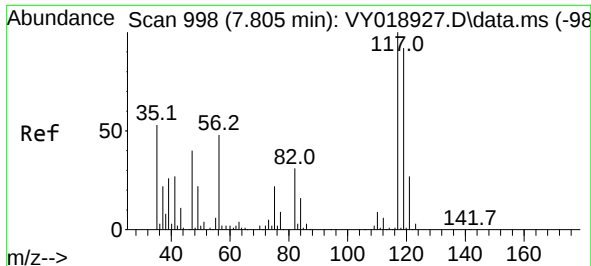
Ion Ratio Lower Upper

75 100

110 7.8 19.0 57.0#

77 0.0 25.3 37.9#

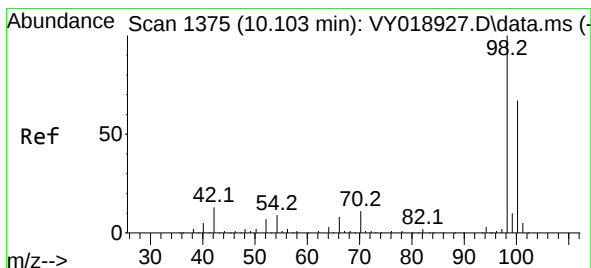
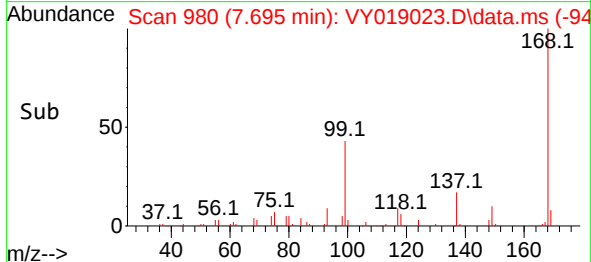
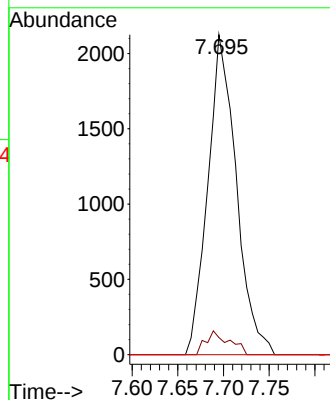
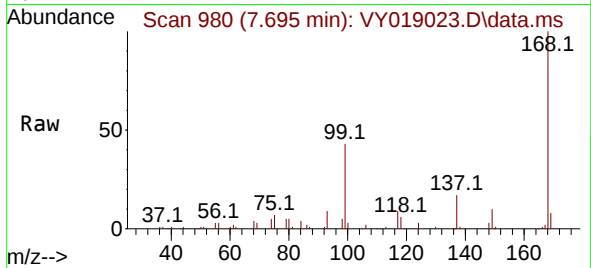




#38
Carbon Tetrachloride
Concen: 5.187 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY019023.D
Acq: 13 Aug 2024 12:39

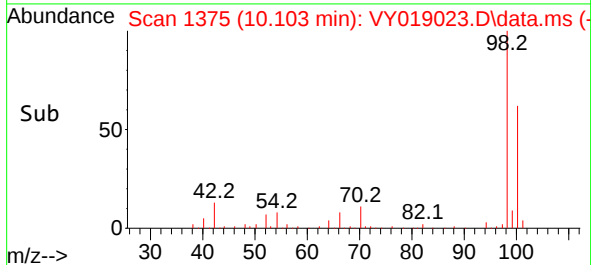
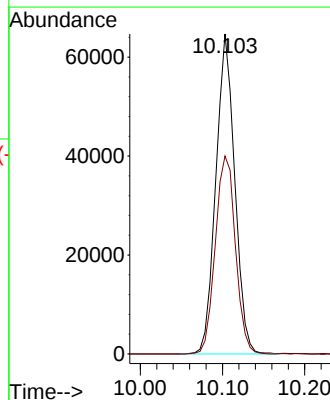
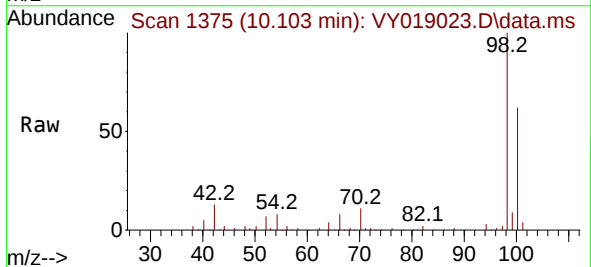
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-15-080724RE

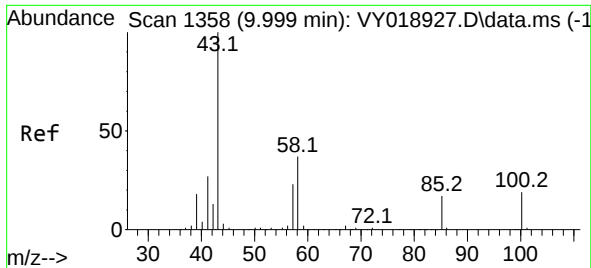
Tgt Ion:117 Resp: 4599
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.758 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY019023.D
Acq: 13 Aug 2024 12:39

Tgt Ion: 98 Resp: 103454
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.654 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.104 min

Lab File: VY019023.D

Acq: 13 Aug 2024 12:39

Instrument :

MSVOA_Y

ClientSampleId :

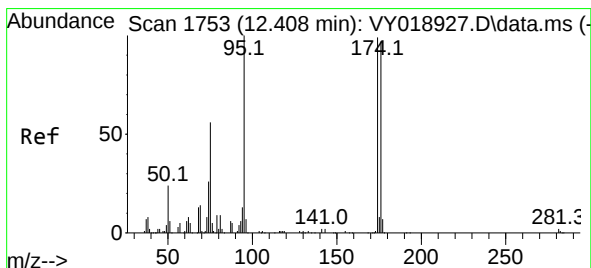
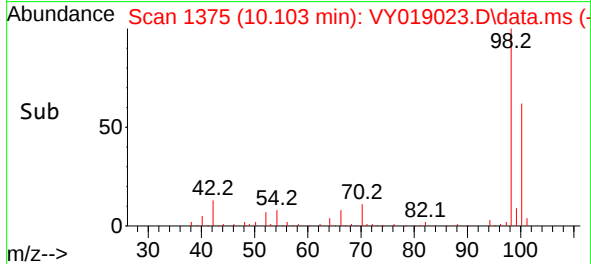
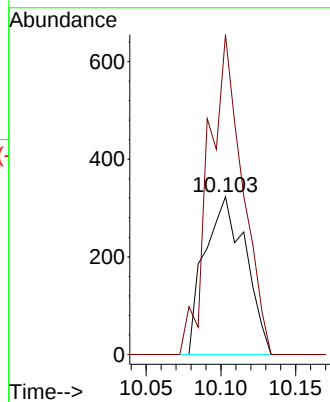
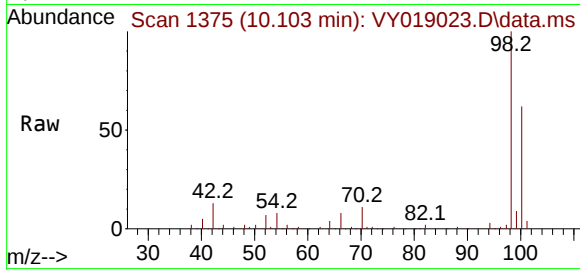
OU4-TS-15-080724RE

Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

58 168.7 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 33.220 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY019023.D

Acq: 13 Aug 2024 12:39

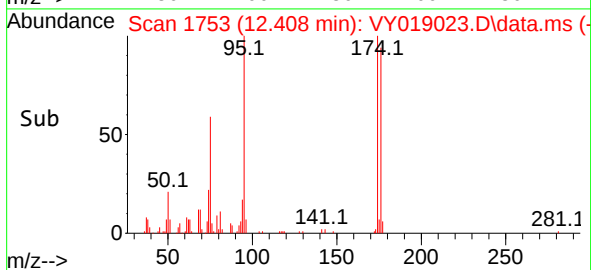
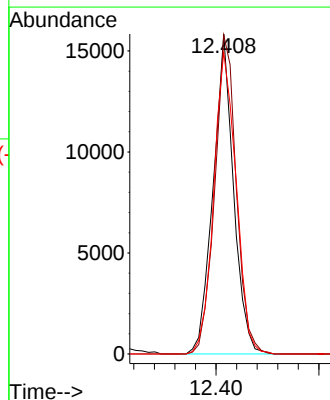
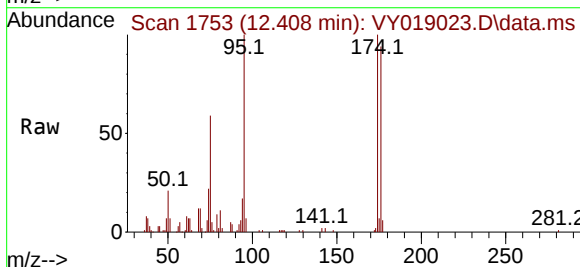
Tgt Ion: 95 Resp: 21806

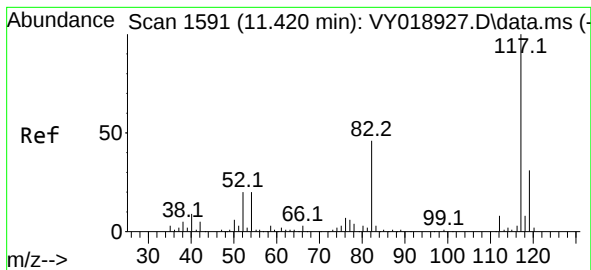
Ion Ratio Lower Upper

95 100

174 104.7 0.0 175.6

176 103.6 0.0 171.4

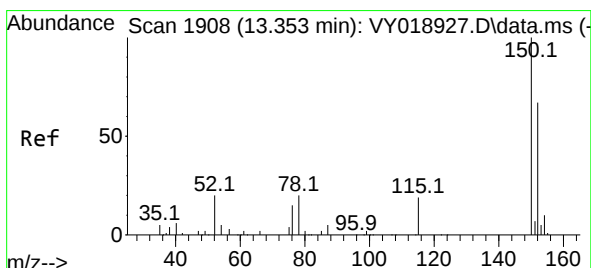
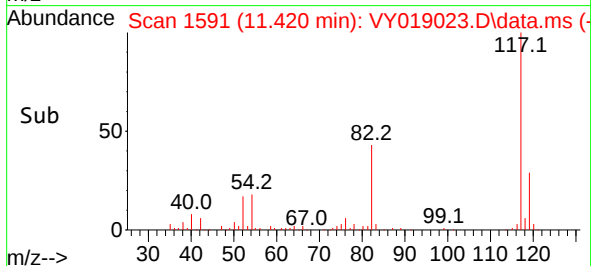
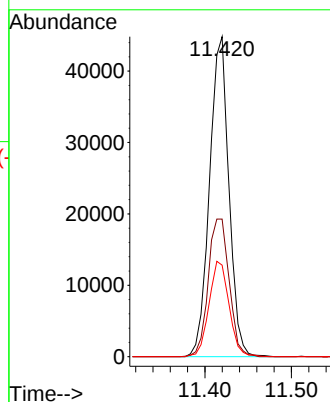
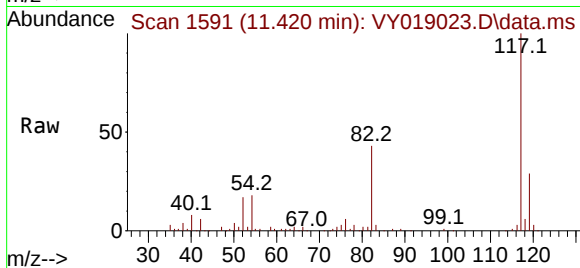




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY019023.D
Acq: 13 Aug 2024 12:39

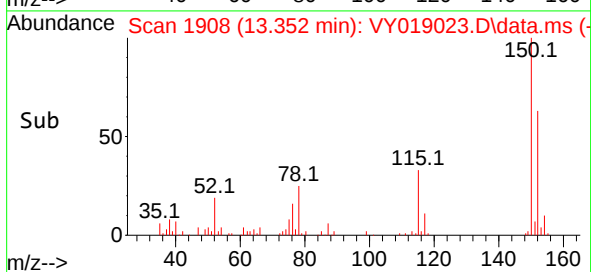
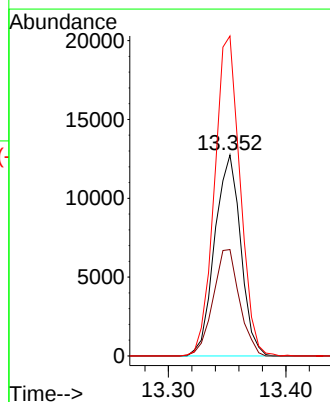
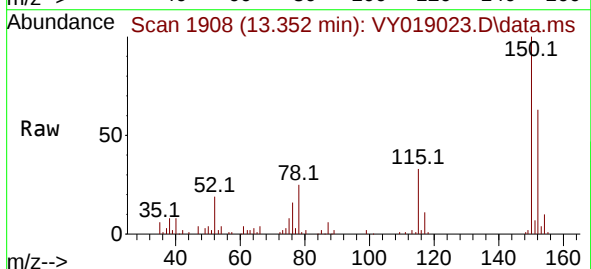
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-15-080724RE

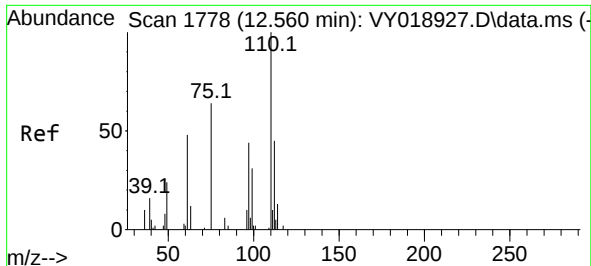
Tgt Ion:117	Resp:	69617
Ion Ratio	Lower	Upper
117	100	
82	43.0	42.4 63.6
119	28.6	25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY019023.D
Acq: 13 Aug 2024 12:39

Tgt Ion:152	Resp:	19574
Ion Ratio	Lower	Upper
152	100	
115	53.9	28.2 84.7
150	156.9	0.0 345.6

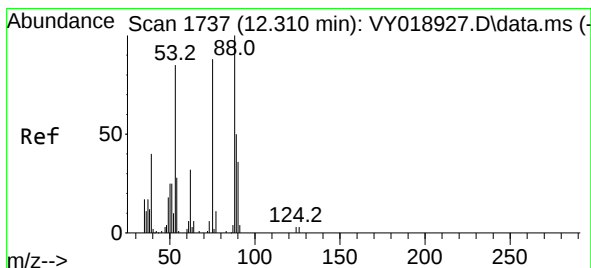
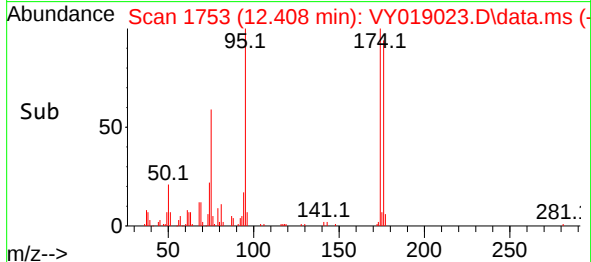
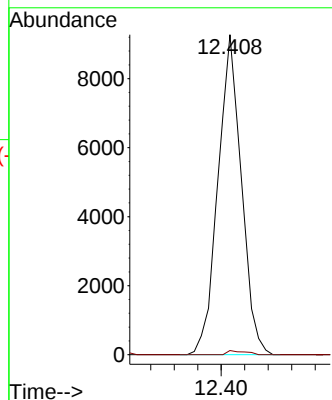
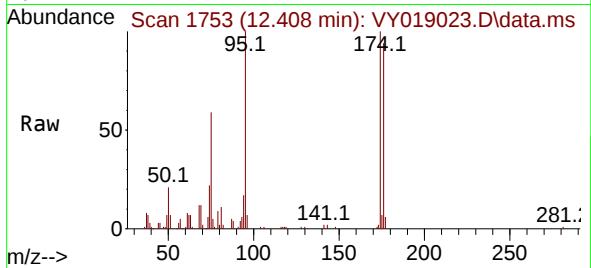




#76
1,2,3-Trichloropropane
Concen: 88.086 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY019023.D
Acq: 13 Aug 2024 12:39

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-15-080724RE

Tgt Ion: 75 Resp: 12845
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 181.509 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY019023.D
Acq: 13 Aug 2024 12:39

Tgt Ion: 75 Resp: 12845
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

