

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081324\
 Data File : VY019026.D
 Acq On : 13 Aug 2024 13:52
 Operator : SY/MD
 Sample : P3519-05
 Misc : 4.16g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-18-080724RE

Quant Time: Aug 14 01:36:43 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)

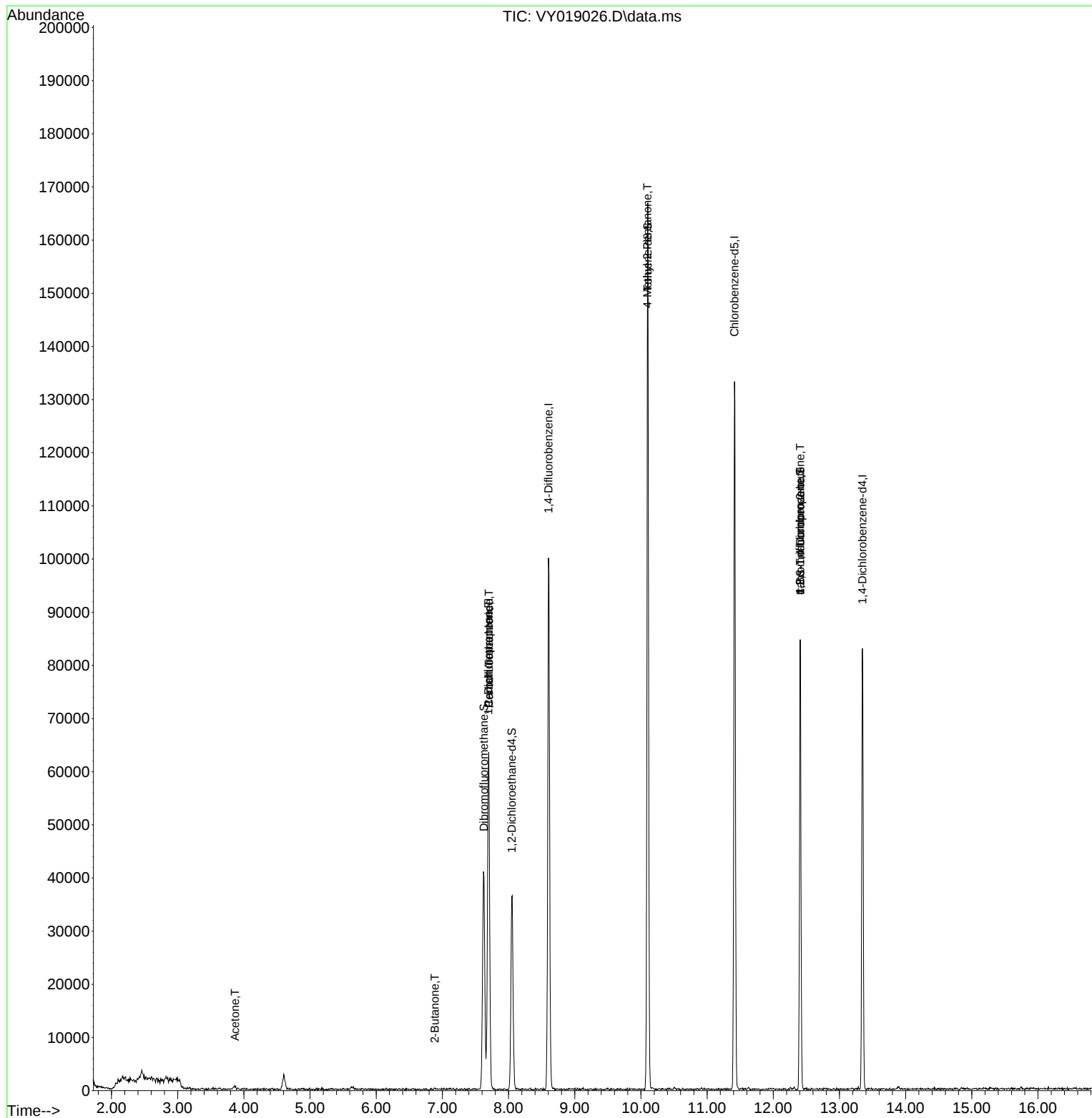
Internal Standards						
1) Pentafluorobenzene	7.701	168	51772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	84560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	68025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	20467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.048	65	23511	51.723	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.440%	
35) Dibromofluoromethane	7.628	113	26071	48.273	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.540%	
50) Toluene-d8	10.103	98	98134	47.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.620%	
62) 4-Bromofluorobenzene	12.407	95	20515	33.334	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 66.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.092	50	38	Below Cal	#	43
16) Acetone	3.866	43	1128	21.652	ug/l #	66
20) Methylene Chloride	4.616	84	1601	Below Cal	#	87
25) 2-Butanone	6.884	43	173	1.175	ug/l #	41
31) Cyclohexane	7.695	56	1181	Below Cal	#	25
36) 1,1-Dichloropropene	7.695	75	3840	5.297	ug/l #	45
38) Carbon Tetrachloride	7.701	117	5220	6.280	ug/l #	15
41) Methacrylonitrile	7.006	41	52	Below Cal	#	31
51) 4-Methyl-2-Pentanone	10.097	43	709	2.040	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	12083	79.245	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	12083	163.292	ug/l #	16

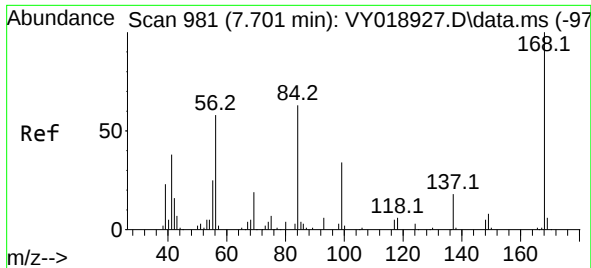
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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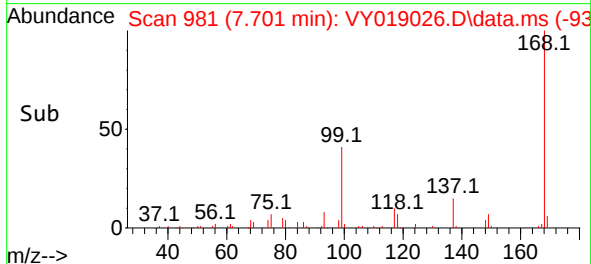
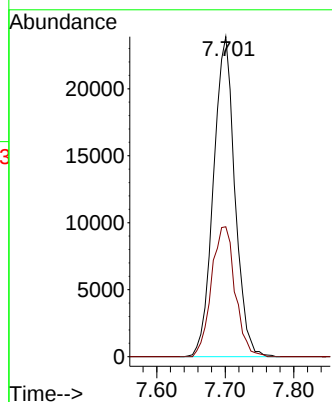
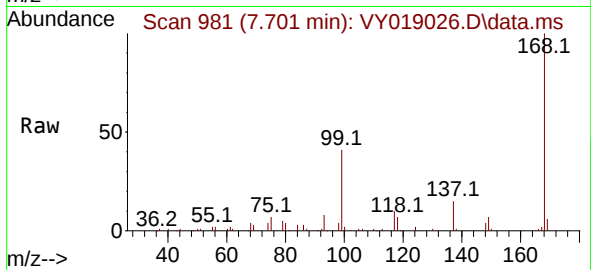




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019026.D
Acq: 13 Aug 2024 13:52

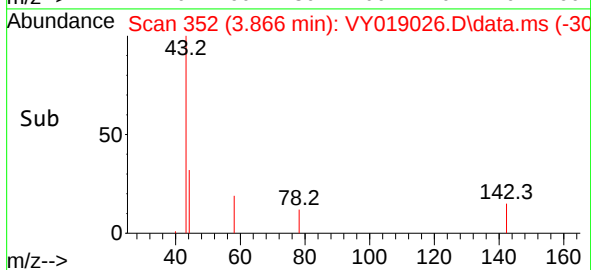
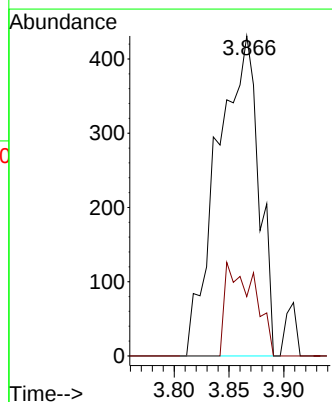
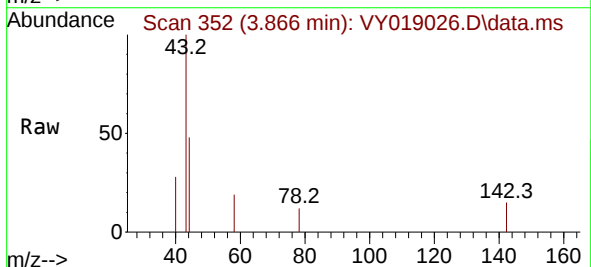
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-18-080724RE

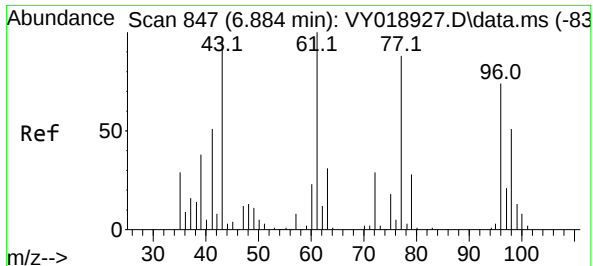
Tgt Ion:168 Resp: 51772
Ion Ratio Lower Upper
168 100
99 40.6 39.1 58.7



#16
Acetone
Concen: 21.652 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY019026.D
Acq: 13 Aug 2024 13:52

Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
58 18.6 31.7 47.5#





#25

2-Butanone

Concen: 1.175 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY019026.D

Acq: 13 Aug 2024 13:52

Instrument :

MSVOA_Y

ClientSampleId :

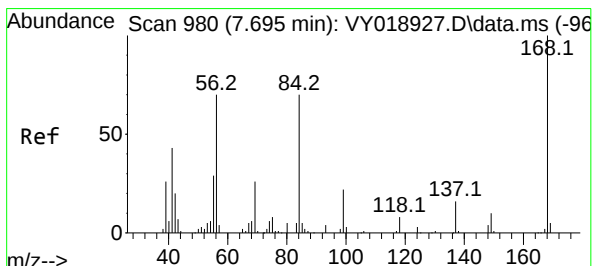
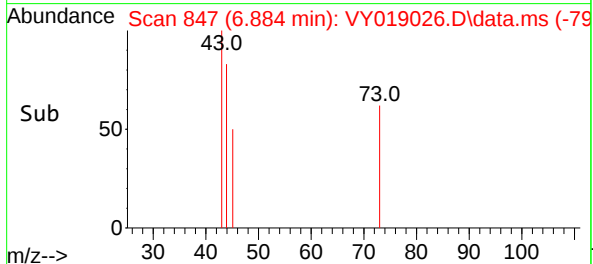
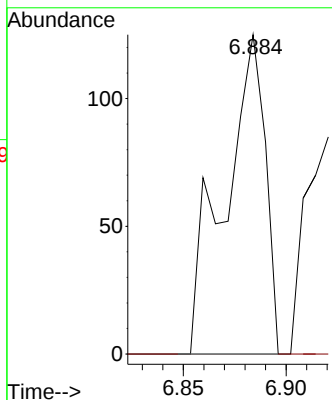
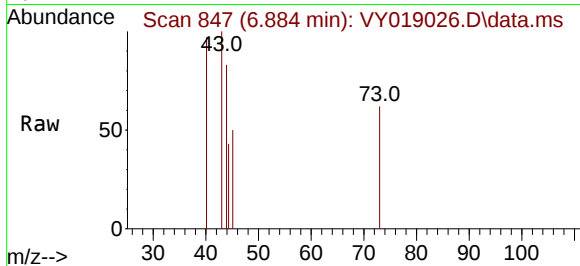
OU4-TS-18-080724RE

Tgt Ion: 43 Resp: 173

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: VY019026.D

Acq: 13 Aug 2024 13:52

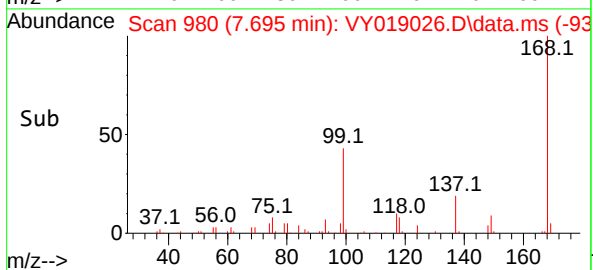
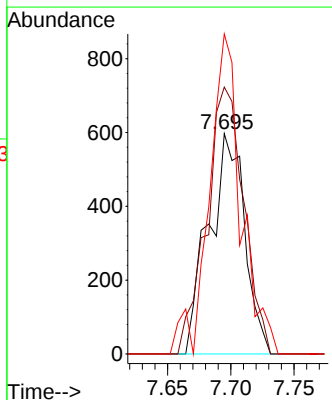
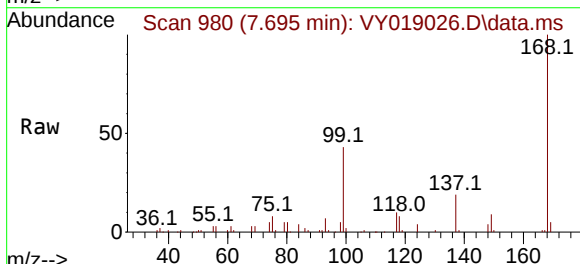
Tgt Ion: 56 Resp: 1181

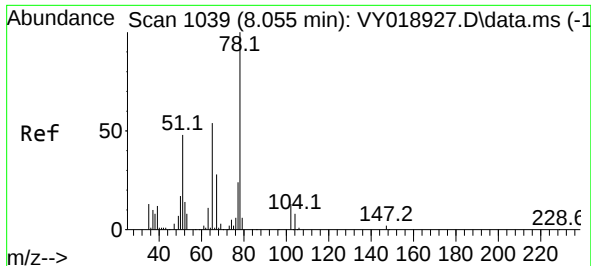
Ion Ratio Lower Upper

56 100

69 121.1 28.7 43.1#

84 145.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 51.723 ug/l

RT: 8.048 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY019026.D

Acq: 13 Aug 2024 13:52

Instrument :

MSVOA_Y

ClientSampleId :

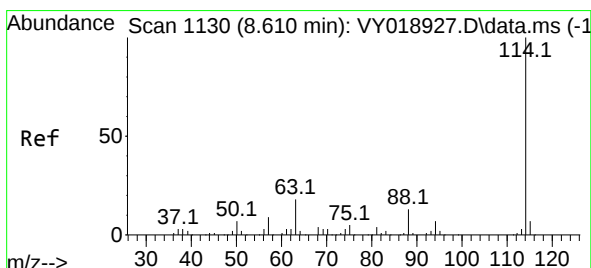
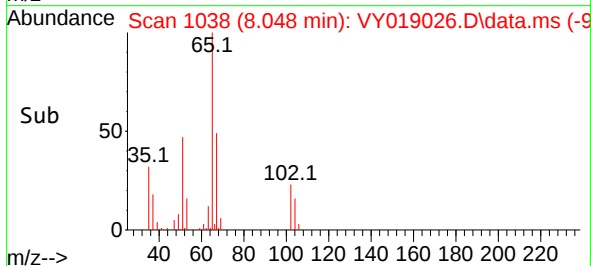
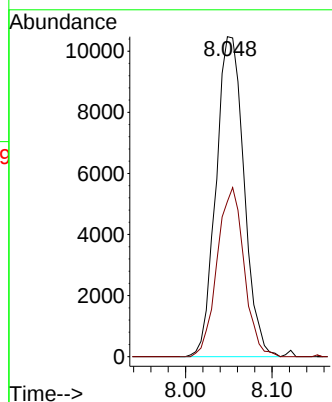
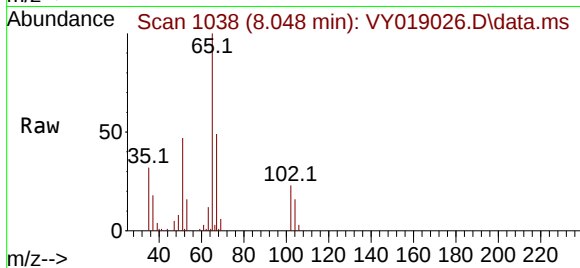
OU4-TS-18-080724RE

Tgt Ion: 65 Resp: 23511

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019026.D

Acq: 13 Aug 2024 13:52

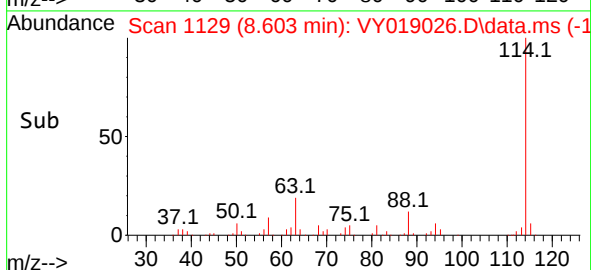
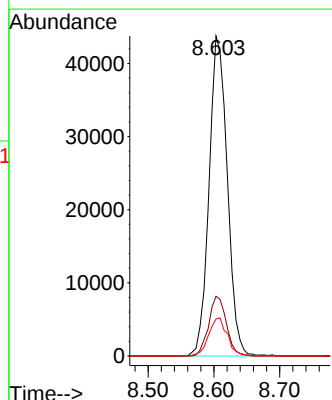
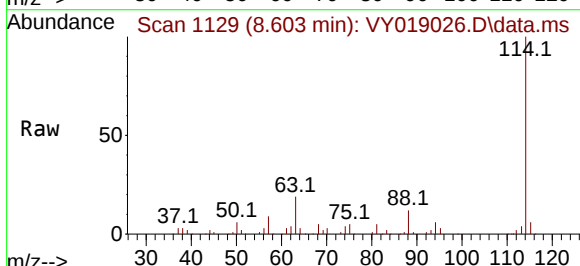
Tgt Ion: 114 Resp: 84560

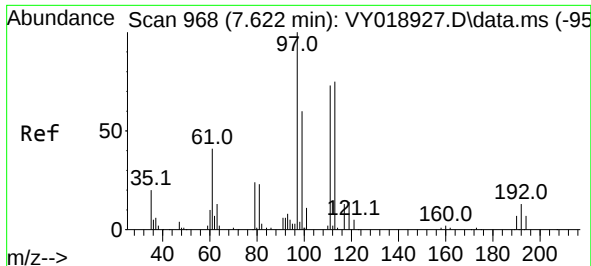
Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

88 11.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 48.273 ug/l

RT: 7.628 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY019026.D

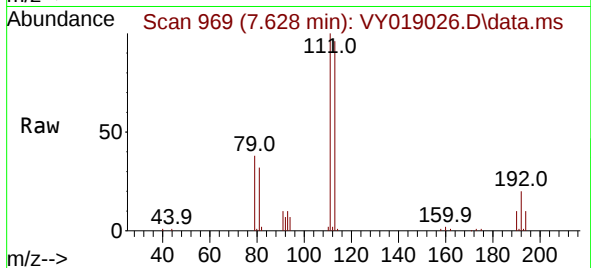
Acq: 13 Aug 2024 13:52

Instrument :

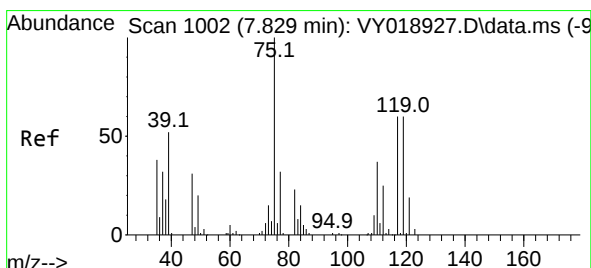
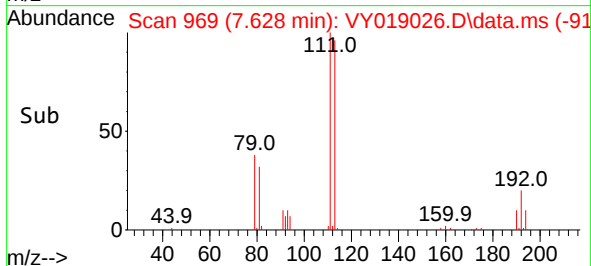
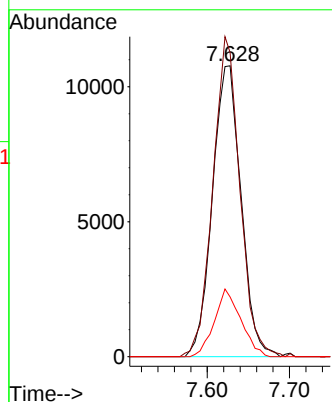
MSVOA_Y

ClientSampleId :

OU4-TS-18-080724RE



Tgt Ion:	113	Resp:	26071
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	21.5	15.9	23.9



#36

1,1-Dichloropropene

Concen: 5.297 ug/l

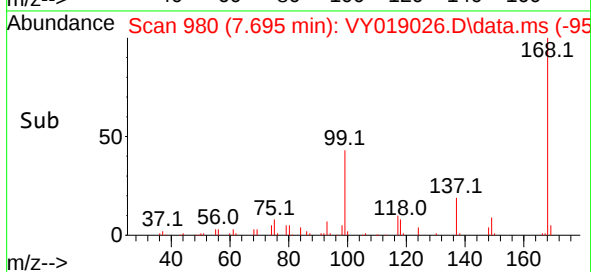
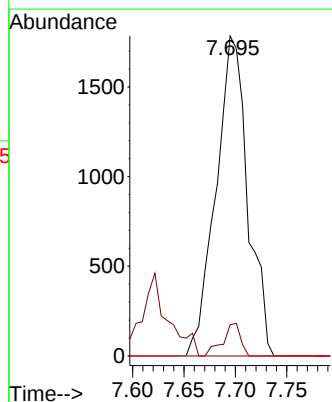
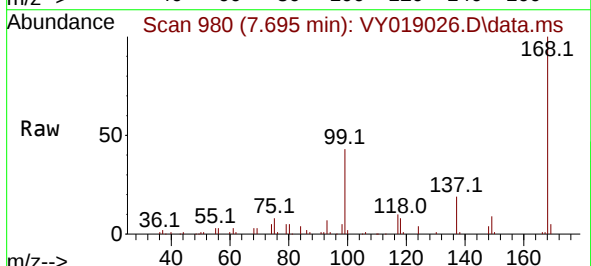
RT: 7.695 min Scan# 980

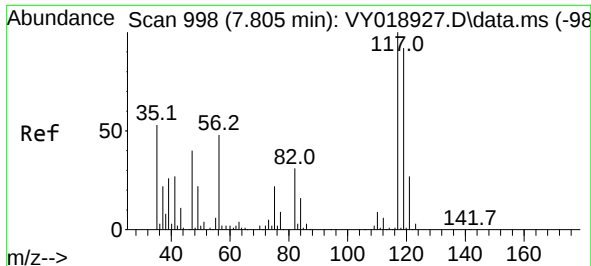
Delta R.T. -0.134 min

Lab File: VY019026.D

Acq: 13 Aug 2024 13:52

Tgt Ion:	75	Resp:	3840
Ion	Ratio	Lower	Upper
75	100		
110	5.7	19.0	57.0#
77	0.0	25.3	37.9#

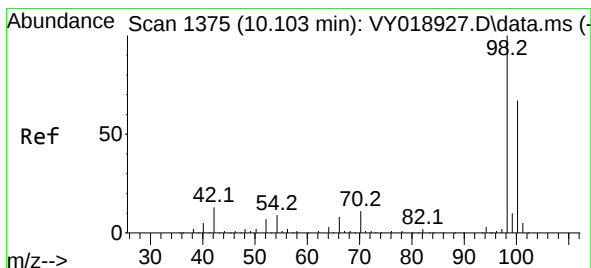
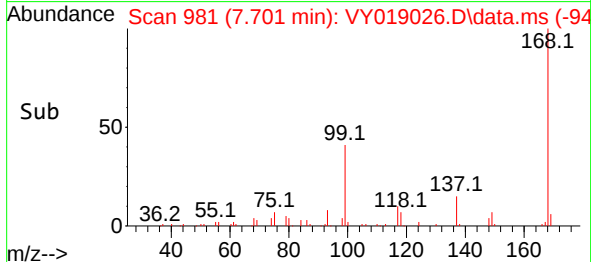
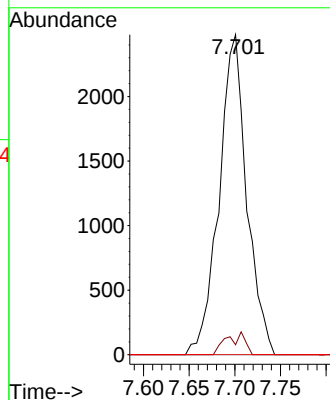
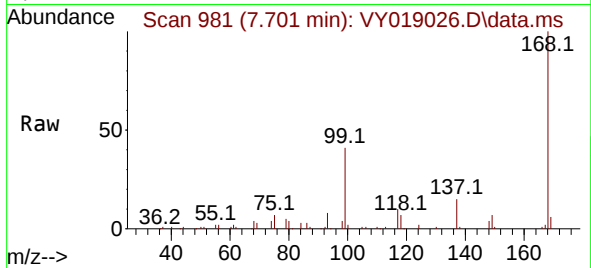




#38
Carbon Tetrachloride
Concen: 6.280 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY019026.D
Acq: 13 Aug 2024 13:52

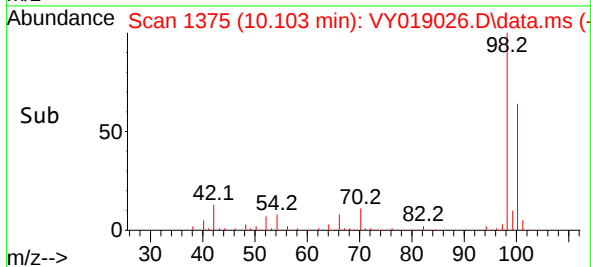
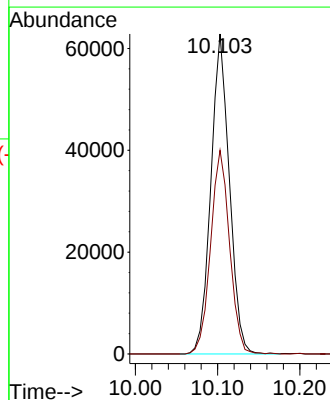
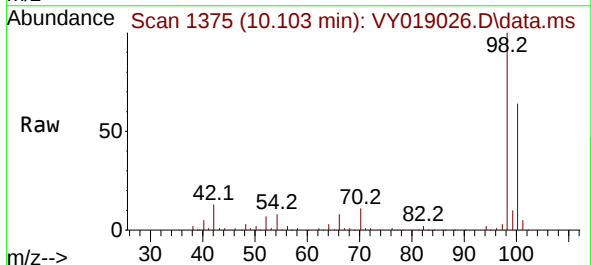
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-18-080724RE

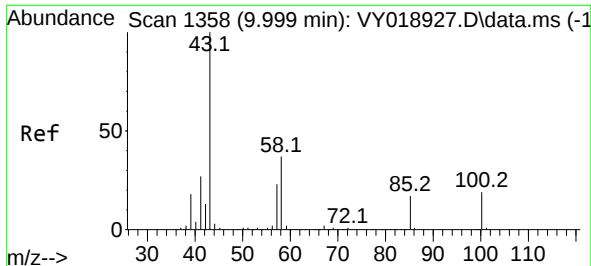
Tgt Ion:117 Resp: 5220
Ion Ratio Lower Upper
117 100
119 3.1 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.306 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY019026.D
Acq: 13 Aug 2024 13:52

Tgt Ion: 98 Resp: 98134
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.040 ug/l

RT: 10.097 min Scan# 11

Delta R.T. 0.097 min

Lab File: VY019026.D

Acq: 13 Aug 2024 13:52

Instrument :

MSVOA_Y

ClientSampleId :

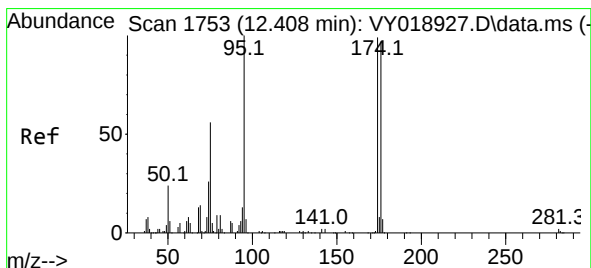
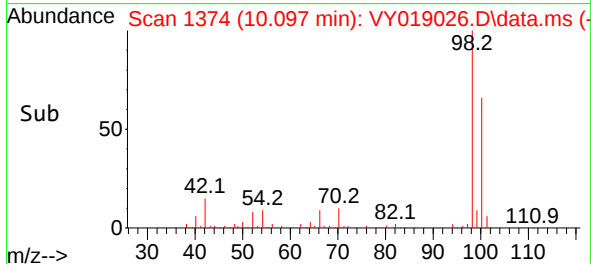
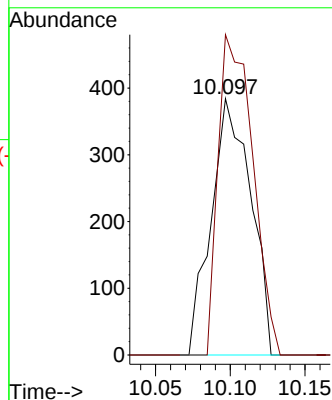
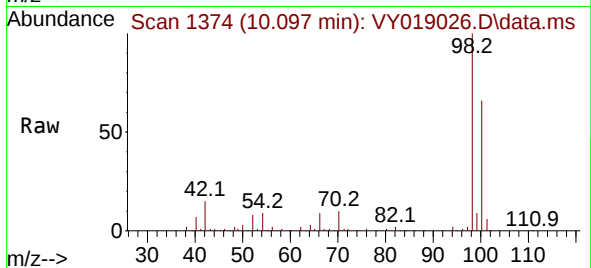
OU4-TS-18-080724RE

Tgt Ion: 43 Resp: 709

Ion Ratio Lower Upper

43 100

58 109.2 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 33.334 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY019026.D

Acq: 13 Aug 2024 13:52

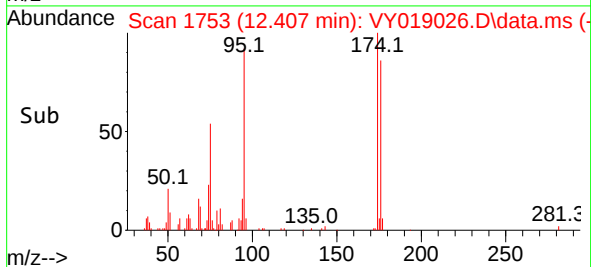
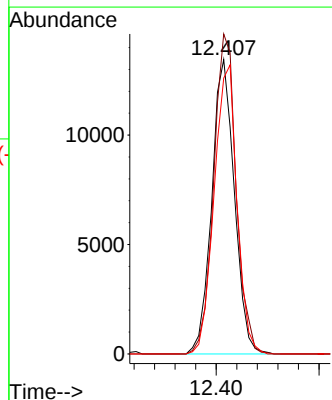
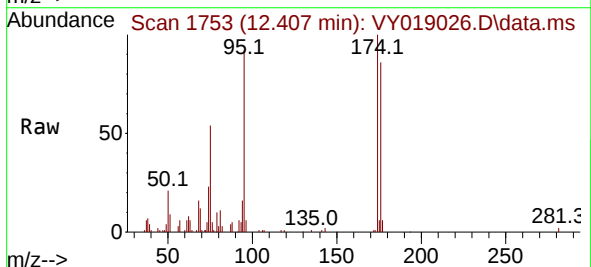
Tgt Ion: 95 Resp: 20515

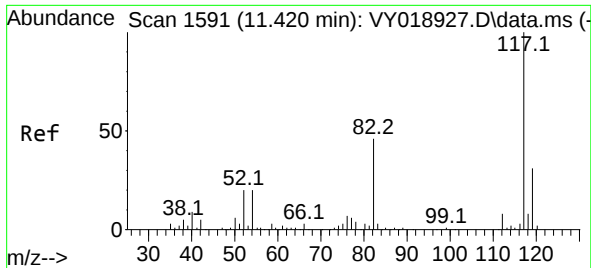
Ion Ratio Lower Upper

95 100

174 108.1 0.0 175.6

176 99.0 0.0 171.4

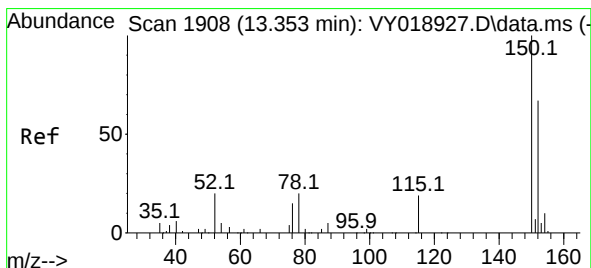
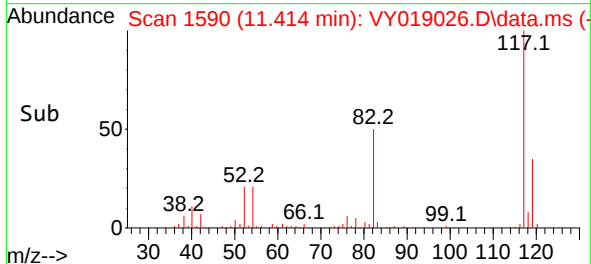
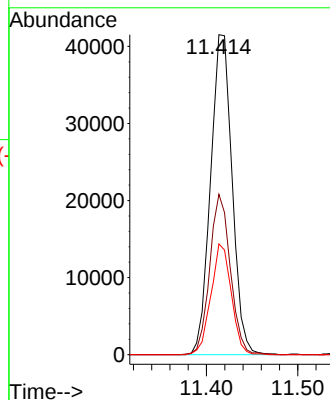
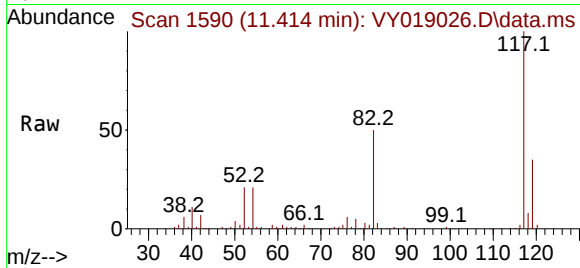




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019026.D
Acq: 13 Aug 2024 13:52

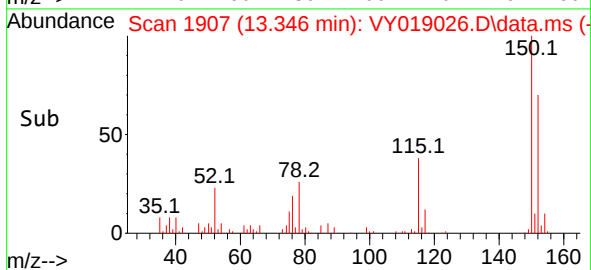
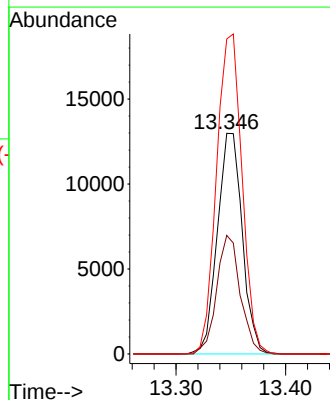
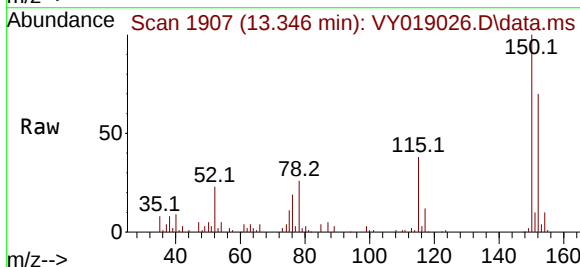
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-18-080724RE

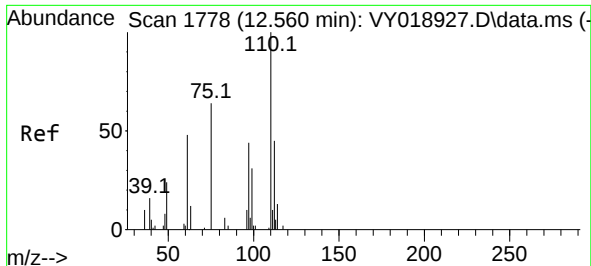
Tgt Ion:117 Resp: 68025
Ion Ratio Lower Upper
117 100
82 50.1 42.4 63.6
119 34.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY019026.D
Acq: 13 Aug 2024 13:52

Tgt Ion:152 Resp: 20467
Ion Ratio Lower Upper
152 100
115 51.3 28.2 84.7
150 148.6 0.0 345.6

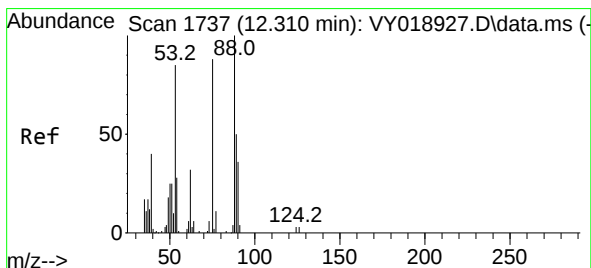
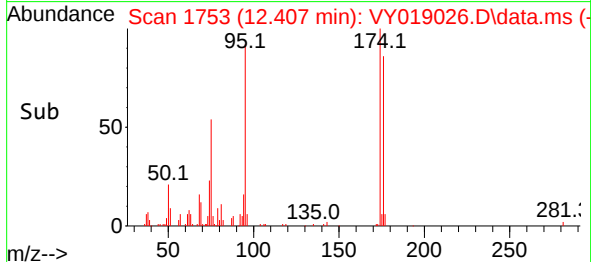
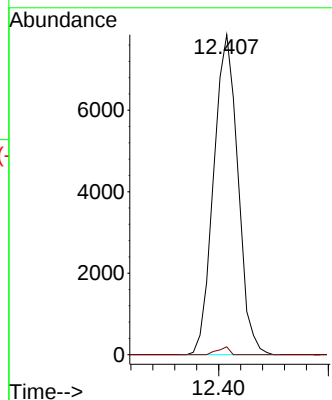
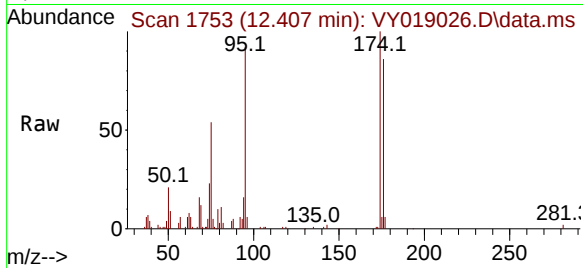




#76
1,2,3-Trichloropropane
Concen: 79.245 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY019026.D
Acq: 13 Aug 2024 13:52

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-18-080724RE

Tgt Ion: 75 Resp: 12083
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 163.292 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY019026.D
Acq: 13 Aug 2024 13:52

Tgt Ion: 75 Resp: 12083
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

