

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081224\
 Data File : VY019013.D
 Acq On : 12 Aug 2024 19:39
 Operator : SY/MD
 Sample : P3518-21
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-11-080724RE

Quant Time: Aug 13 01:19:48 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)

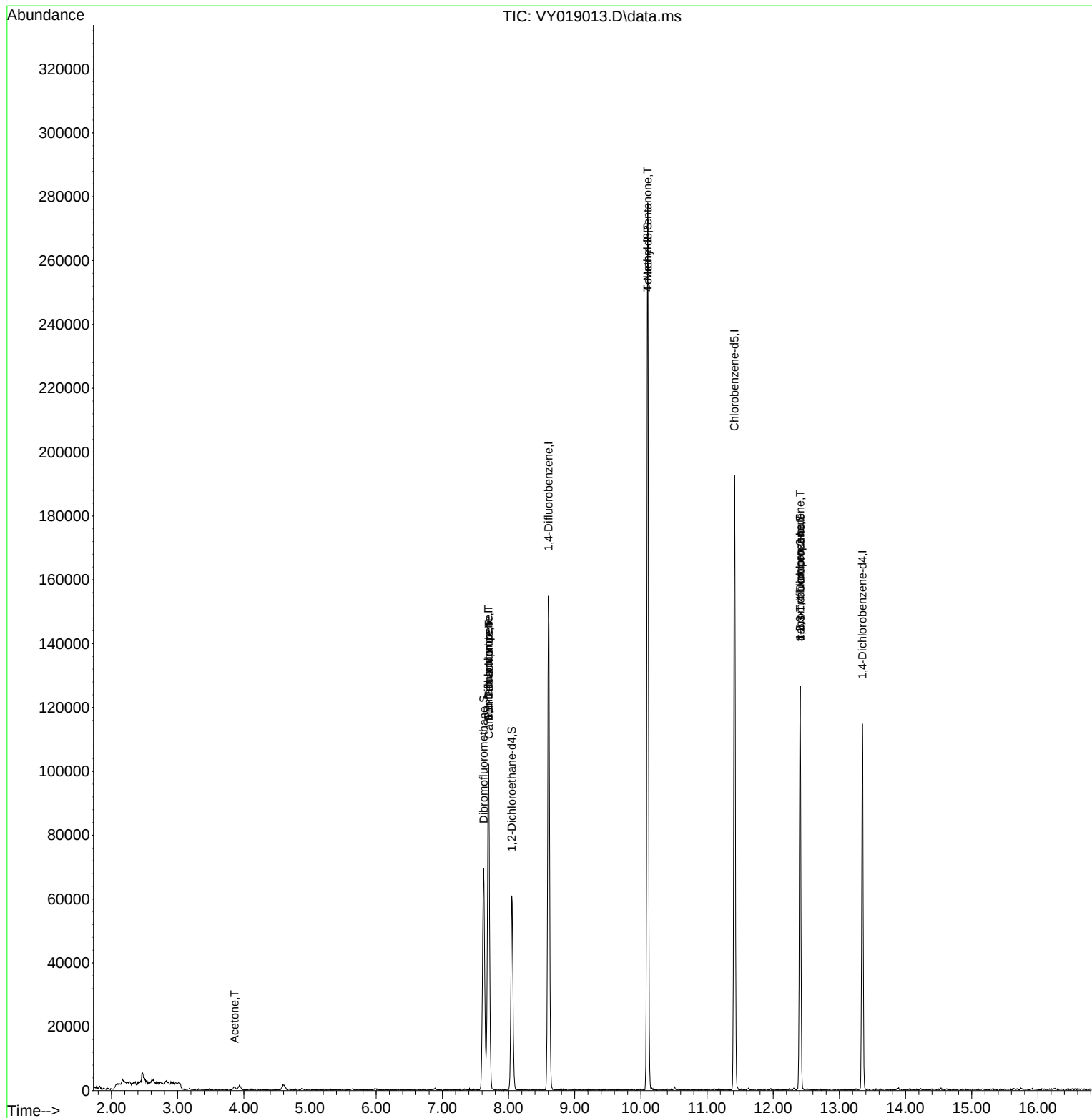
Internal Standards						
1) Pentafluorobenzene	7.695	168	81652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	128027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	93611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	26328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	37644	52.510	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.020%	
35) Dibromofluoromethane	7.622	113	44052	53.874	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.740%	
50) Toluene-d8	10.103	98	165483	52.688	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.380%	
62) 4-Bromofluorobenzene	12.408	95	31410	33.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 67.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.080	50	130	Below Cal	#	43
11) Tert butyl alcohol	4.830	59	54	Below Cal	#	88
16) Acetone	3.860	43	1549	20.470	ug/l	94
20) Methylene Chloride	4.604	84	1183	Below Cal	#	93
31) Cyclohexane	7.695	56	1945	Below Cal	#	76
36) 1,1-Dichloropropene	7.695	75	5987	5.454	ug/l #	48
38) Carbon Tetrachloride	7.701	117	7810	6.206	ug/l #	17
41) Methacrylonitrile	7.238	41	21	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.103	43	915	1.739	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	17785	90.675	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	17785	186.845	ug/l #	16

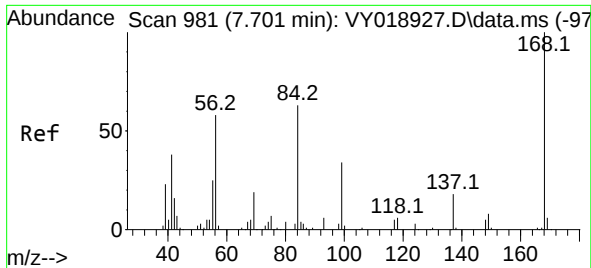
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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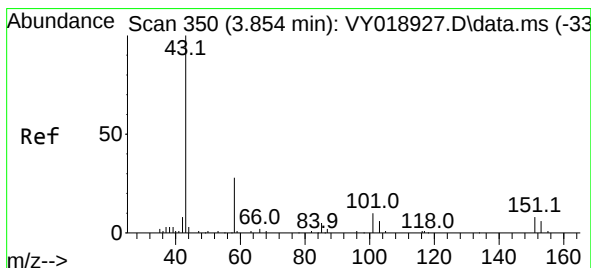
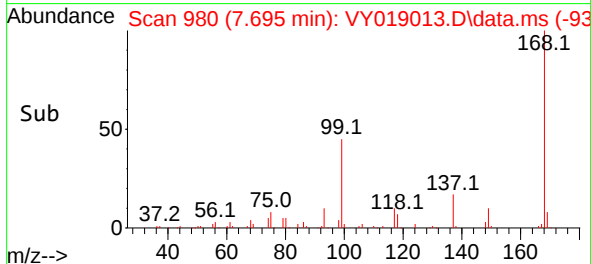
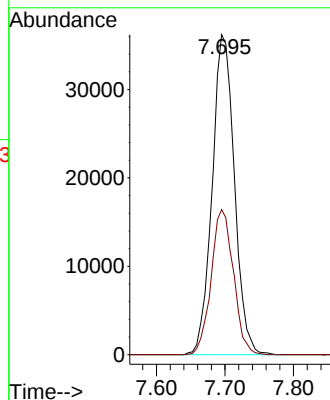
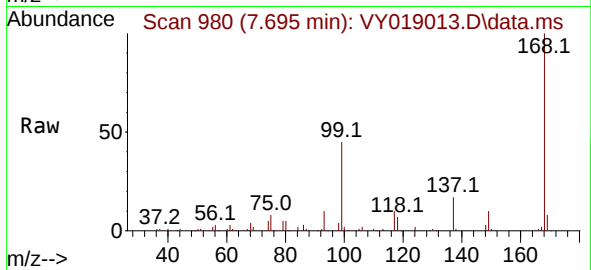




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019013.D
Acq: 12 Aug 2024 19:39

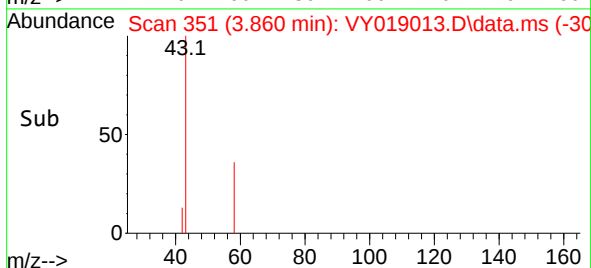
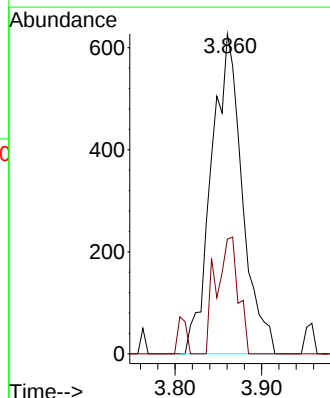
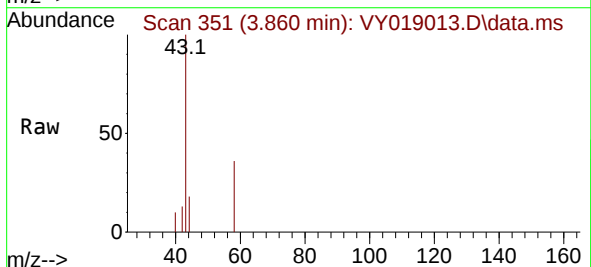
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-11-080724RE

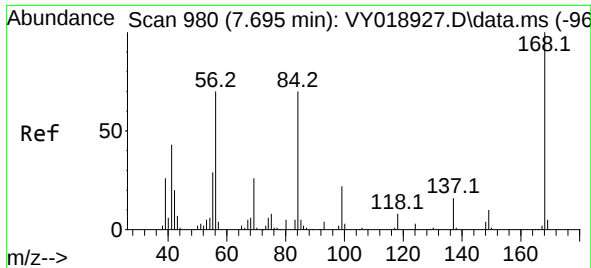
Tgt Ion:168 Resp: 81652
Ion Ratio Lower Upper
168 100
99 45.3 39.1 58.7



#16
Acetone
Concen: 20.470 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY019013.D
Acq: 12 Aug 2024 19:39

Tgt Ion: 43 Resp: 1549
Ion Ratio Lower Upper
43 100
58 35.9 31.7 47.5

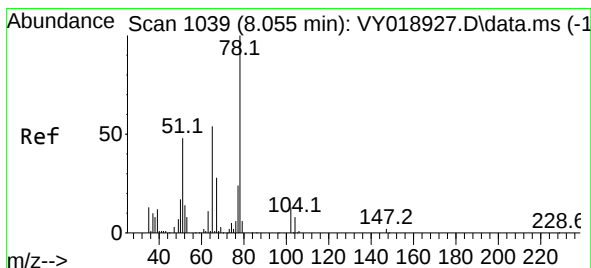
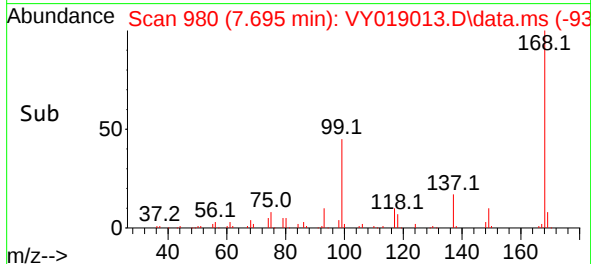
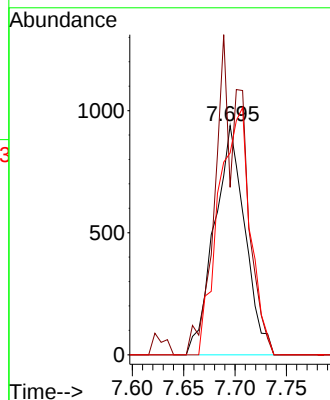
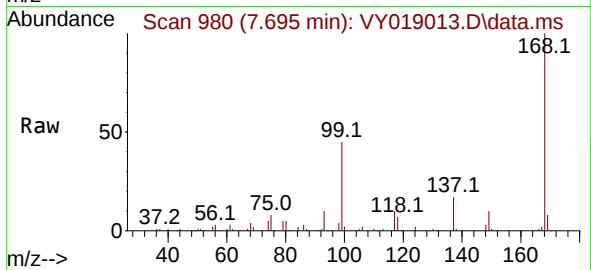




#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019013.D
Acq: 12 Aug 2024 19:39

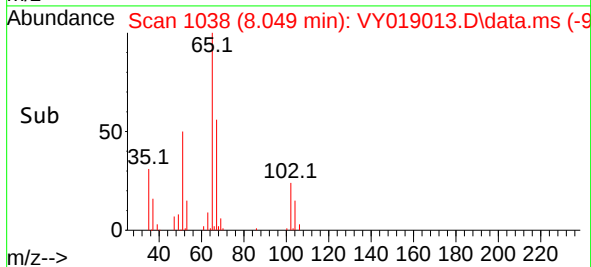
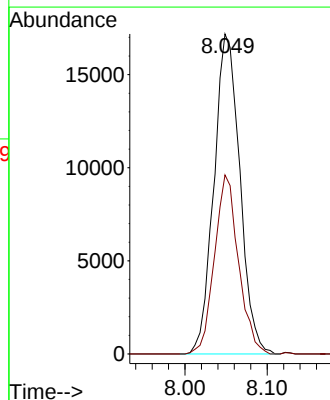
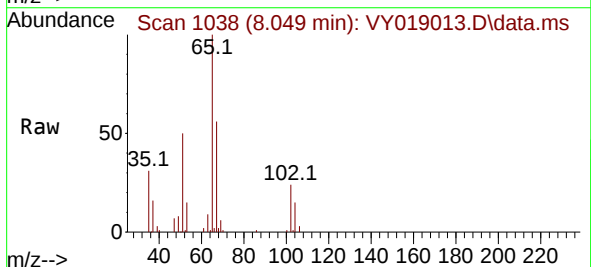
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-11-080724RE

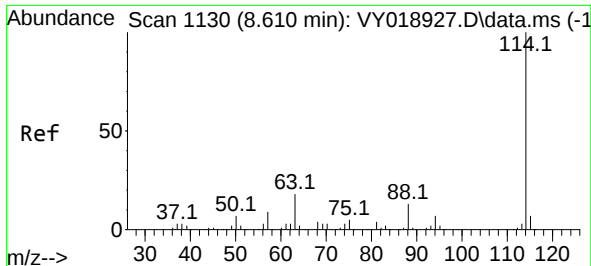
Tgt Ion: 56 Resp: 1945
Ion Ratio Lower Upper
56 100
69 73.1 28.7 43.1#
84 88.1 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 52.510 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY019013.D
Acq: 12 Aug 2024 19:39

Tgt Ion: 65 Resp: 37644
Ion Ratio Lower Upper
65 100
67 51.8 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: VY019013.D

Acq: 12 Aug 2024 19:39

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-11-080724RE

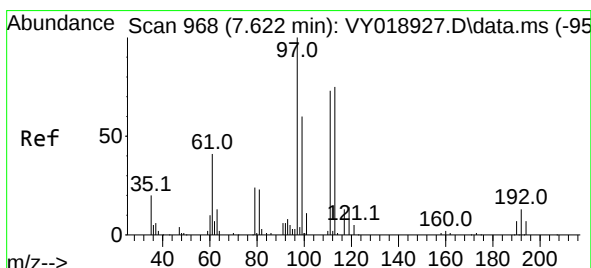
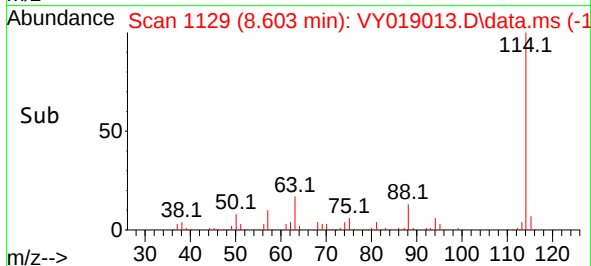
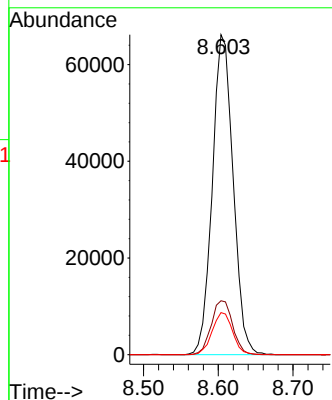
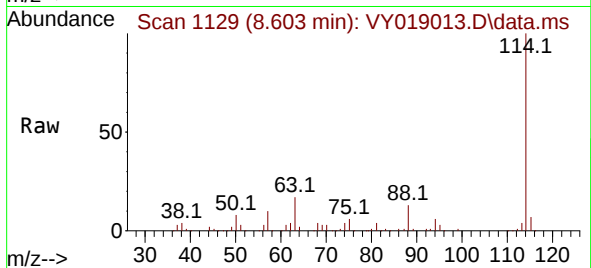
Tgt Ion:114 Resp: 128027

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 13.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.874 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019013.D

Acq: 12 Aug 2024 19:39

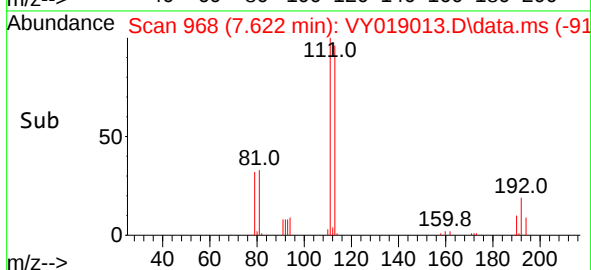
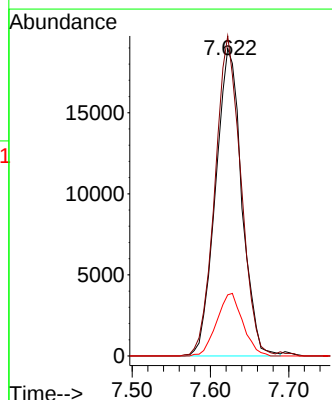
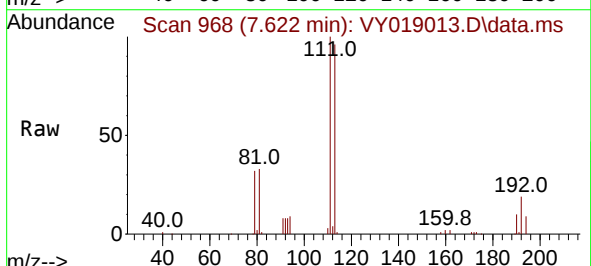
Tgt Ion:113 Resp: 44052

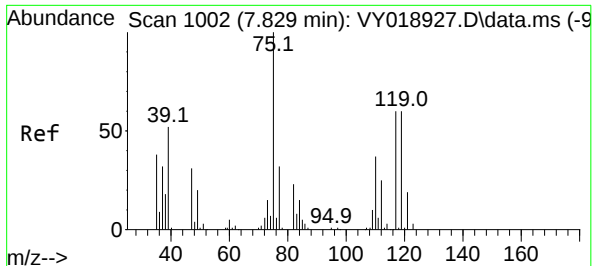
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 20.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.454 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY019013.D

Acq: 12 Aug 2024 19:39

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-11-080724RE

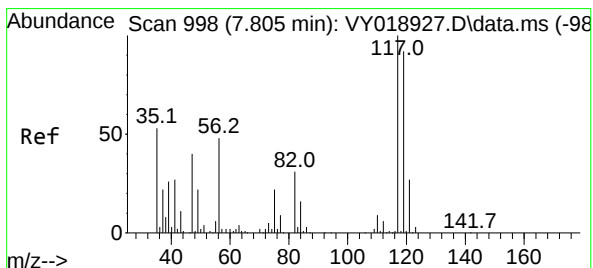
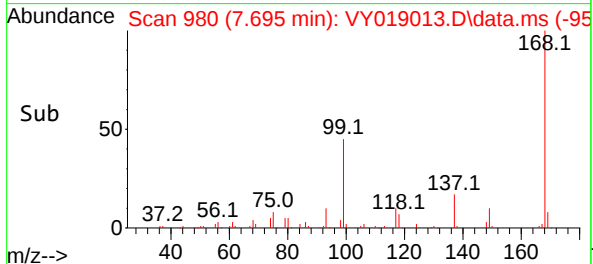
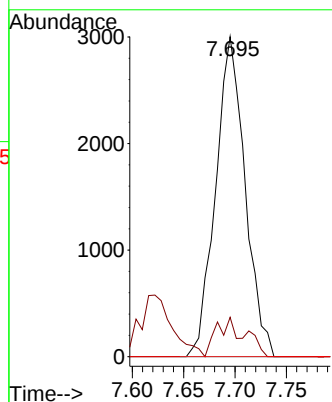
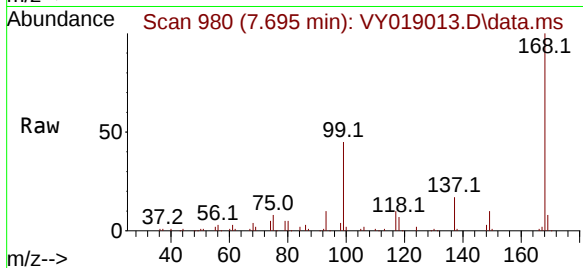
Tgt Ion: 75 Resp: 5987

Ion Ratio Lower Upper

75 100

110 8.7 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.206 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019013.D

Acq: 12 Aug 2024 19:39

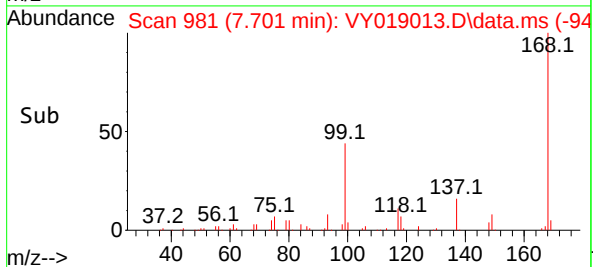
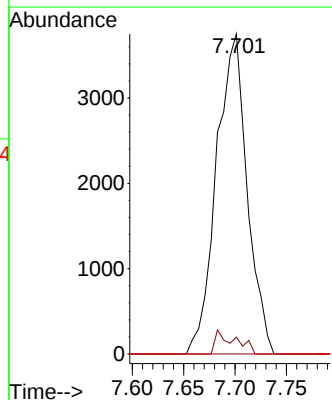
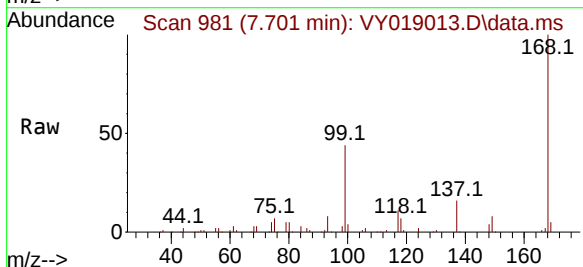
Tgt Ion: 117 Resp: 7810

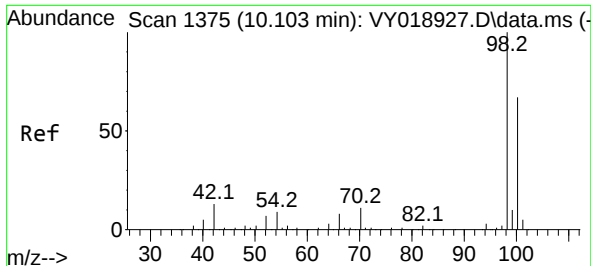
Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.6#

121 0.0 24.0 36.0#

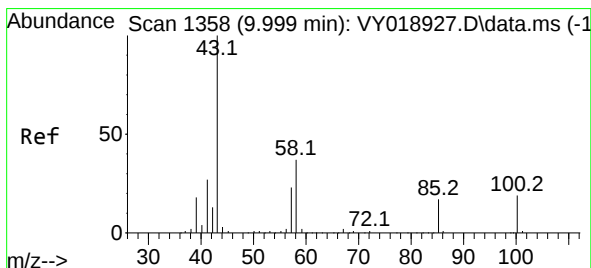
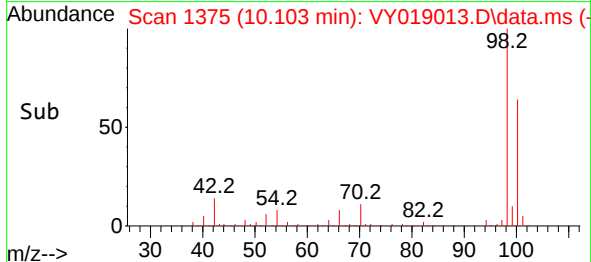
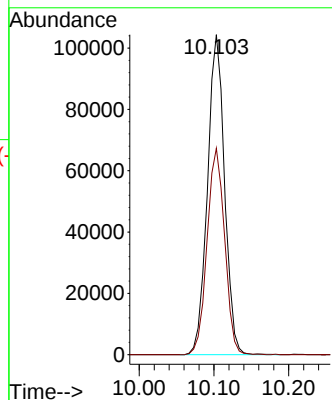
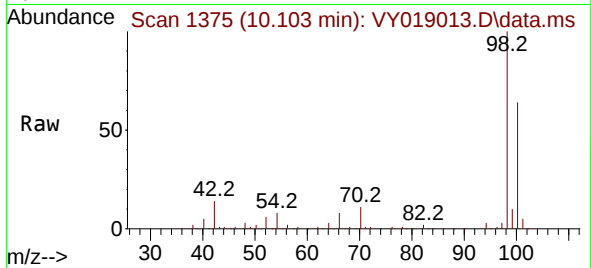




#50
Toluene-d8
Concen: 52.688 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019013.D
Acq: 12 Aug 2024 19:39

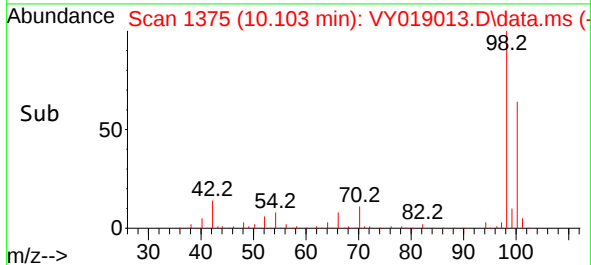
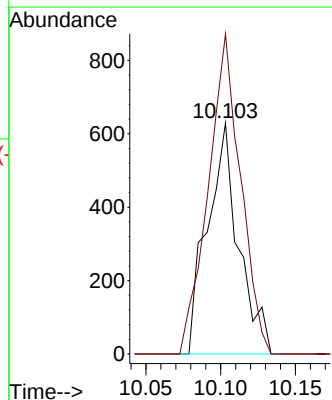
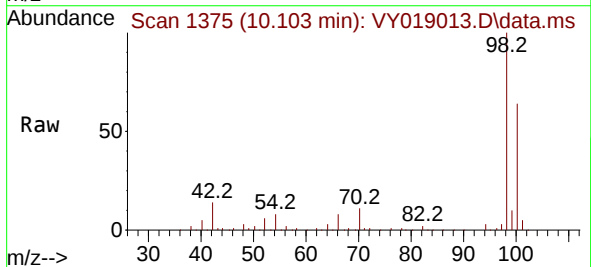
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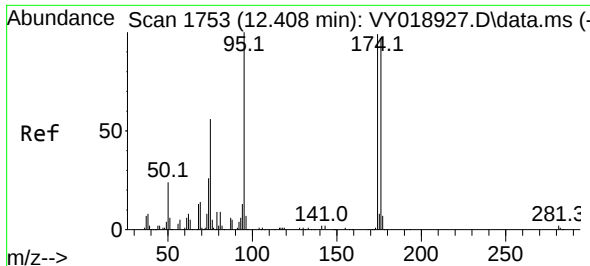
Tgt Ion: 98 Resp: 165483
Ion Ratio Lower Upper
98 100
100 66.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.739 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY019013.D
Acq: 12 Aug 2024 19:39

Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
58 143.6 35.7 53.5#

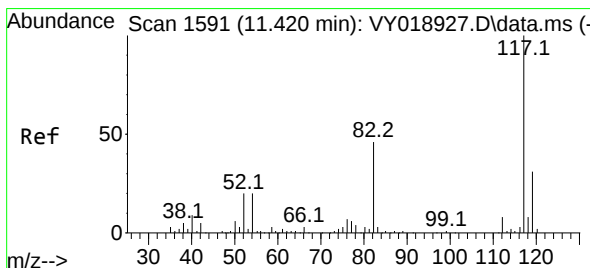
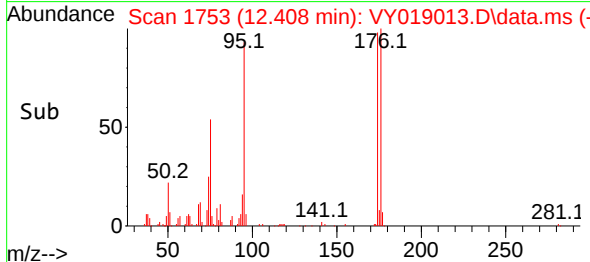
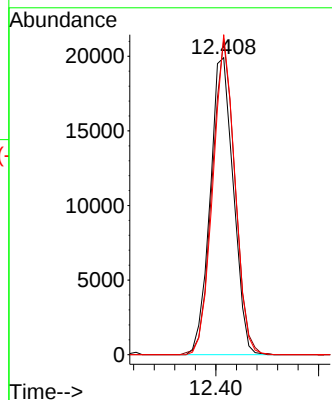
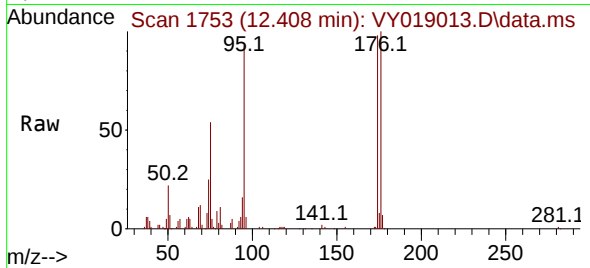




#62
4-Bromofluorobenzene
Concen: 33.709 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019013.D
Acq: 12 Aug 2024 19:39

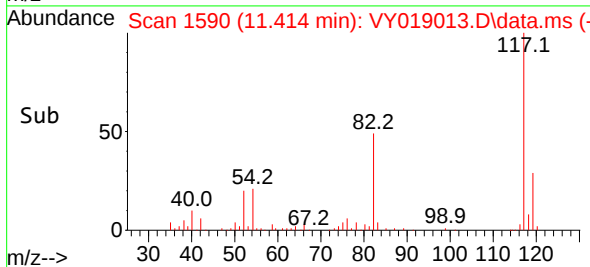
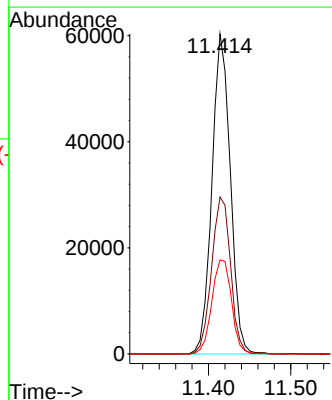
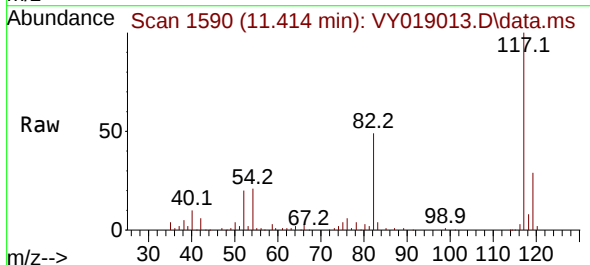
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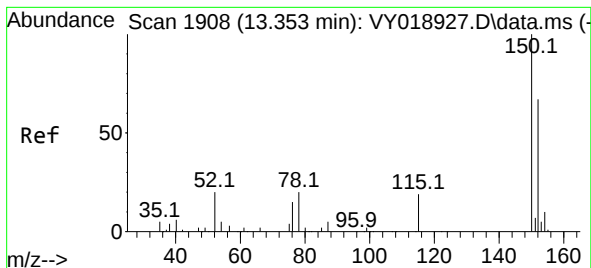
Tgt Ion: 95 Resp: 31410
Ion Ratio Lower Upper
95 100
174 102.8 0.0 175.6
176 100.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019013.D
Acq: 12 Aug 2024 19:39

Tgt Ion: 117 Resp: 93611
Ion Ratio Lower Upper
117 100
82 49.0 42.4 63.6
119 29.4 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: VY019013.D

Acq: 12 Aug 2024 19:39

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-11-080724RE

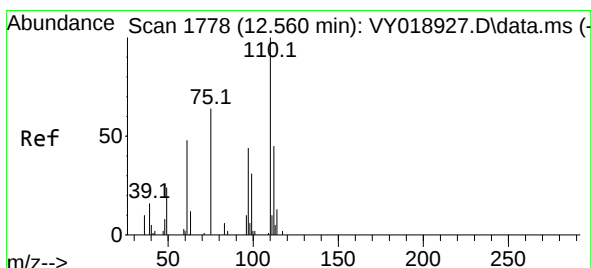
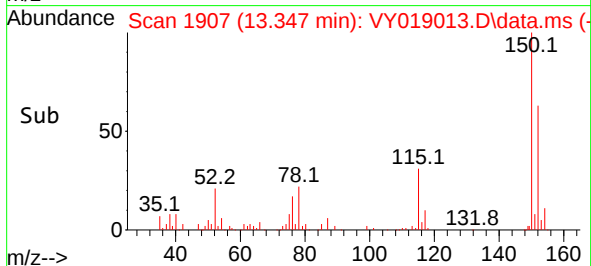
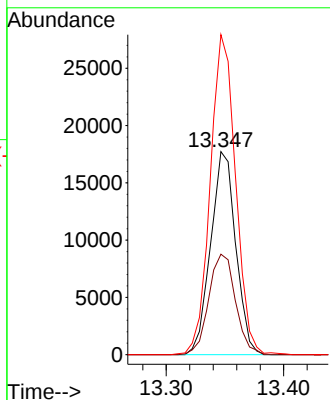
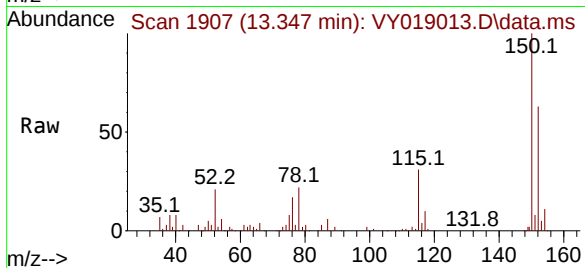
Tgt Ion:152 Resp: 26328

Ion Ratio Lower Upper

152 100

115 52.6 28.2 84.7

150 159.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 90.675 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019013.D

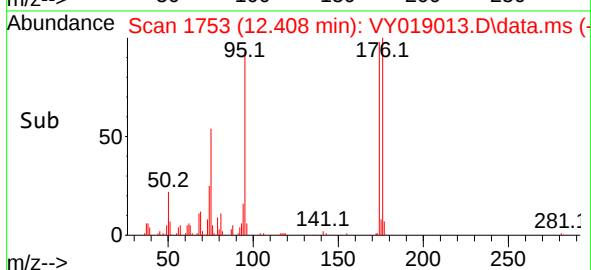
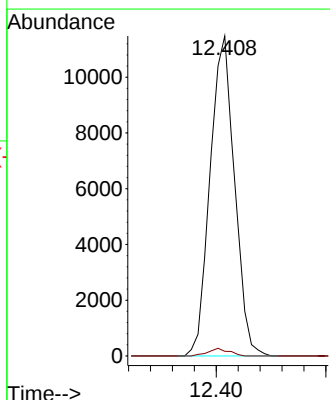
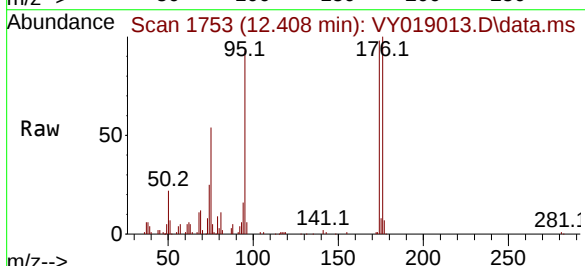
Acq: 12 Aug 2024 19:39

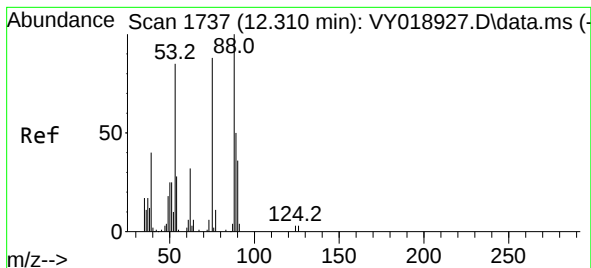
Tgt Ion: 75 Resp: 17785

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 186.845 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY019013.D

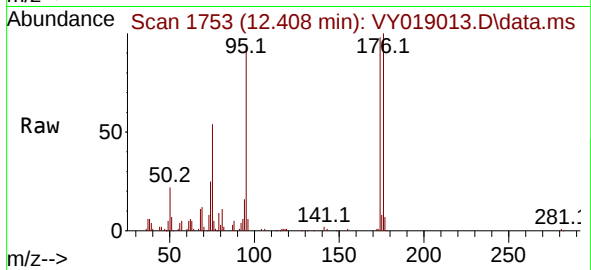
Acq: 12 Aug 2024 19:39

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-11-080724RE



Tgt Ion: 75 Resp: 17785

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

