

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010824\
 Data File : VY016937.D
 Acq On : 08 Jan 2024 16:50
 Operator : SY/MD
 Sample : P1055-07
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPILL-DEBRIS-COMP

Quant Time: Jan 09 06:37:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

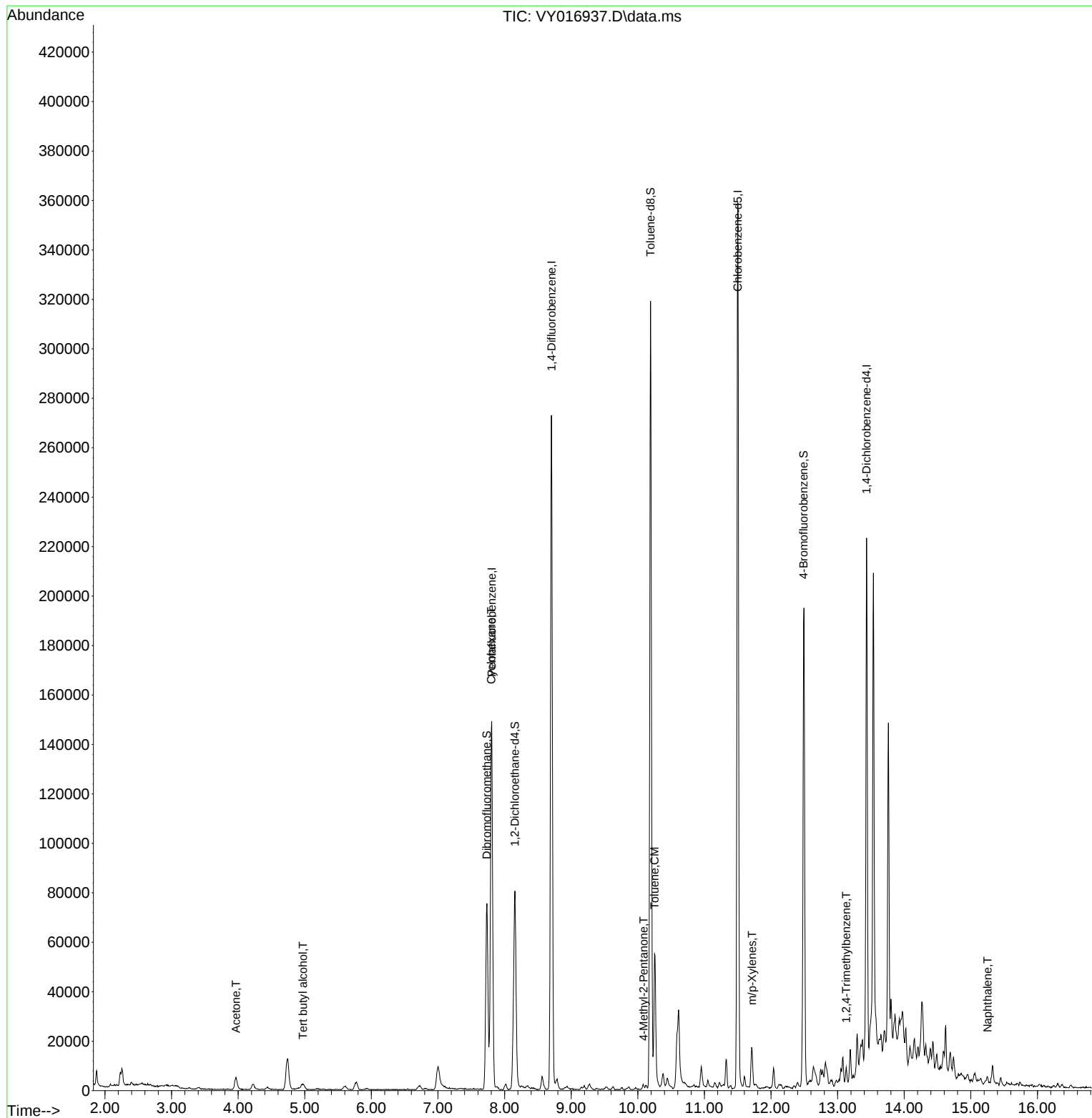
Internal Standards						
1) Pentafluorobenzene	7.807	168	109899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	230378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	194749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	50746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	50027	46.057	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.120%
35) Dibromofluoromethane	7.734	113	54727	37.279	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.560%
50) Toluene-d8	10.191	98	197757	39.119	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.240%
62) 4-Bromofluorobenzene	12.489	95	53961	31.638	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	4528	27.790	ug/l #	94
16) Acetone	3.966	43	8983	10.422	ug/l	93
31) Cyclohexane	7.801	56	5339	2.864	ug/l #	72
51) 4-Methyl-2-Pentanone	10.087	43	1573	1.589	ug/l	92
52) Toluene	10.252	92	21939	5.664	ug/l	99
68) m/p-Xylenes	11.715	106	4597	1.715	ug/l	94
84) 1,2,4-Trimethylbenzene	13.129	105	3994	1.237	ug/l	100
95) Naphthalene	15.251	128	2619	2.596	ug/l	98

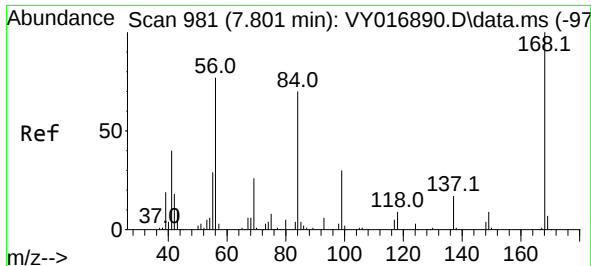
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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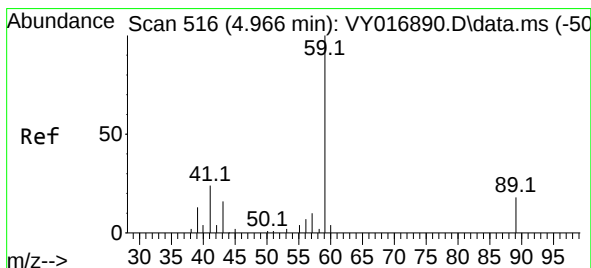
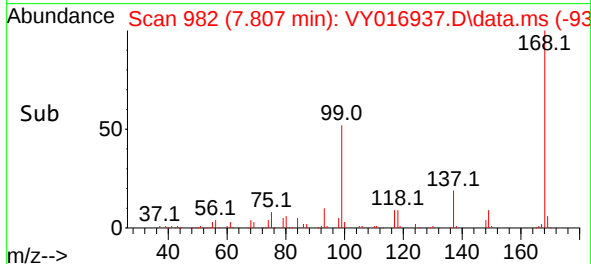
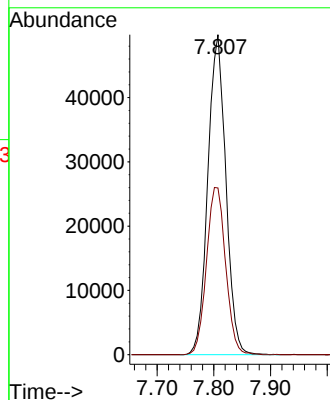
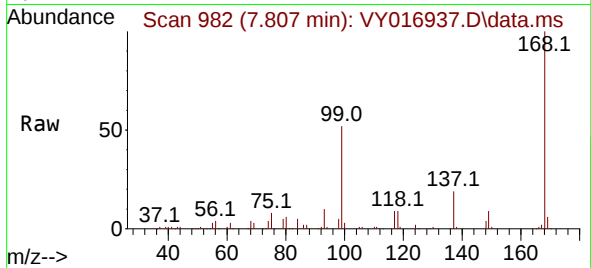




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016937.D
Acq: 08 Jan 2024 16:50

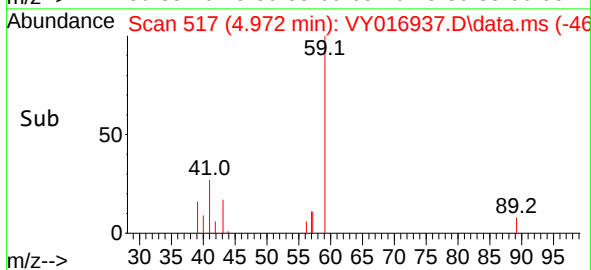
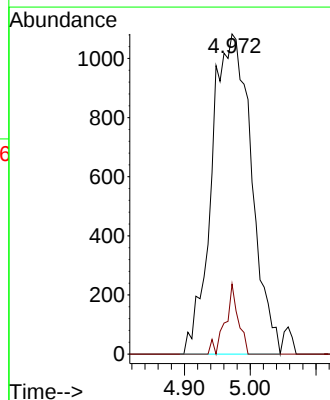
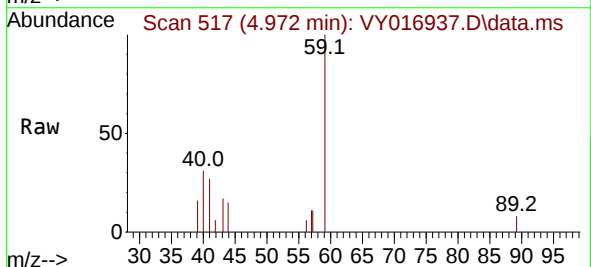
Instrument :
MSVOA_Y
ClientSampleId :
SPILL-DEBRIS-COMP

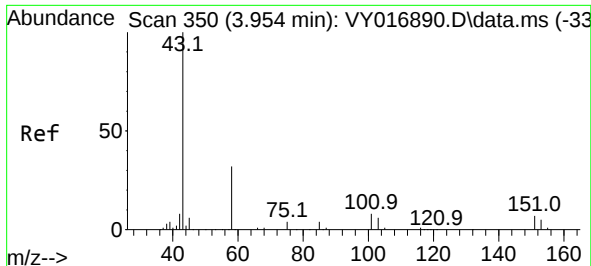
Tgt Ion:168 Resp: 109899
Ion Ratio Lower Upper
168 100
99 52.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 27.790 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016937.D
Acq: 08 Jan 2024 16:50

Tgt Ion: 59 Resp: 4528
Ion Ratio Lower Upper
59 100
57 7.2 7.4 11.0#





#16

Acetone

Concen: 10.422 ug/l

RT: 3.966 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY016937.D

Acq: 08 Jan 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :

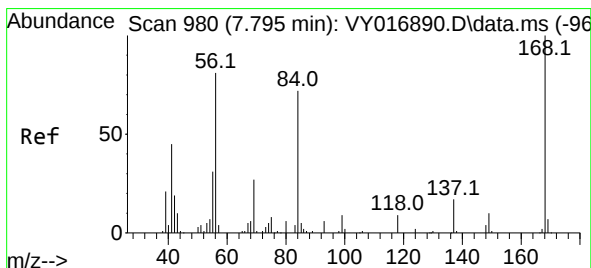
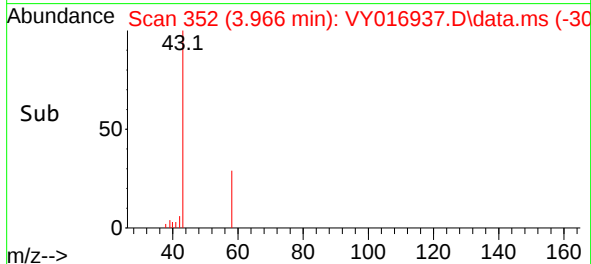
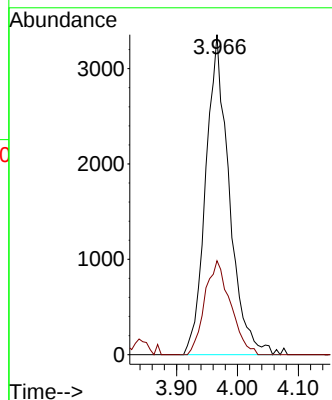
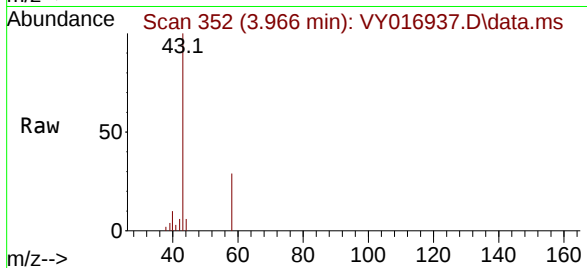
SPILL-DEBRIS-COMP

Tgt Ion: 43 Resp: 8983

Ion Ratio Lower Upper

43 100

58 29.4 26.6 39.8



#31

Cyclohexane

Concen: 2.864 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY016937.D

Acq: 08 Jan 2024 16:50

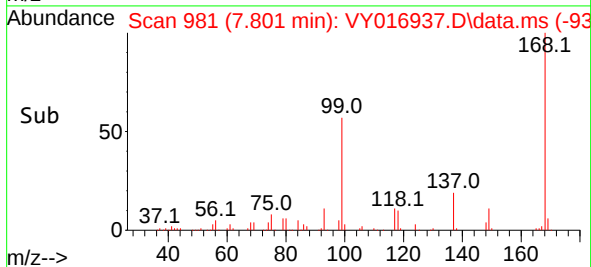
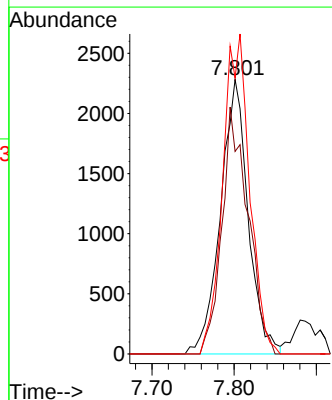
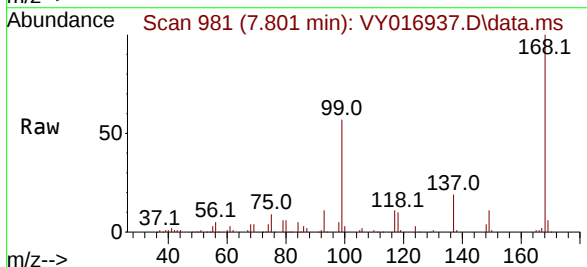
Tgt Ion: 56 Resp: 5339

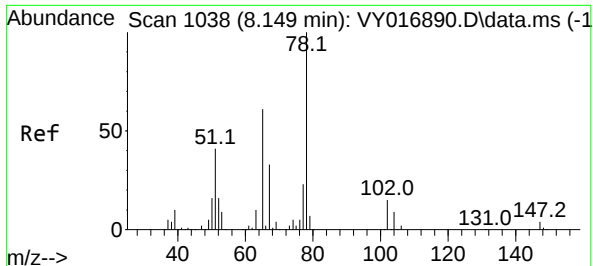
Ion Ratio Lower Upper

56 100

69 73.8 27.0 40.6#

84 100.6 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 46.057 ug/l

RT: 8.155 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY016937.D

Acq: 08 Jan 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :

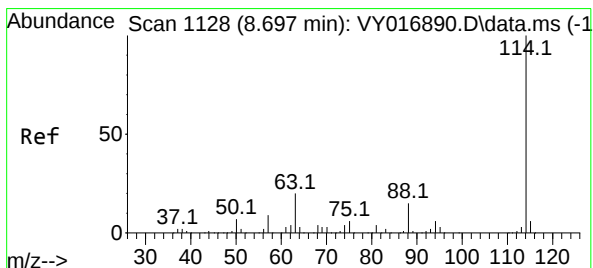
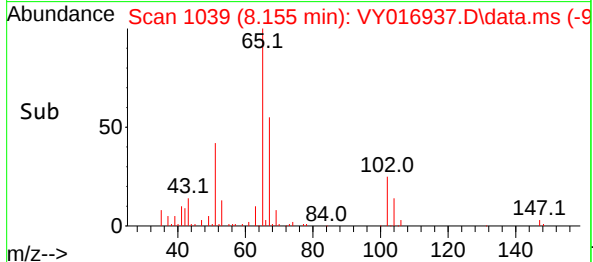
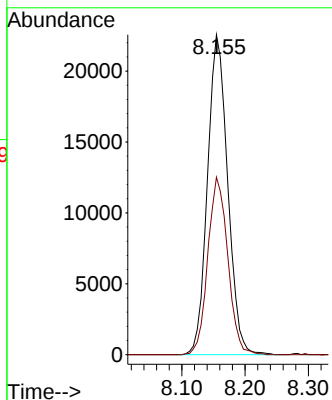
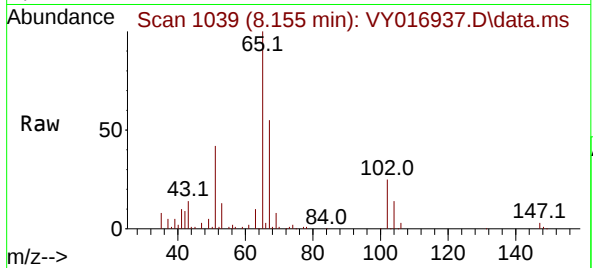
SPILL-DEBRIS-COMP

Tgt Ion: 65 Resp: 50027

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016937.D

Acq: 08 Jan 2024 16:50

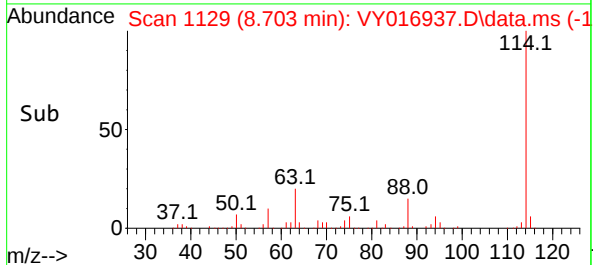
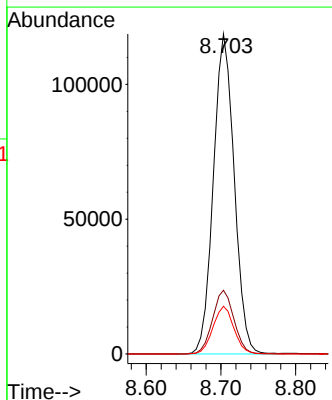
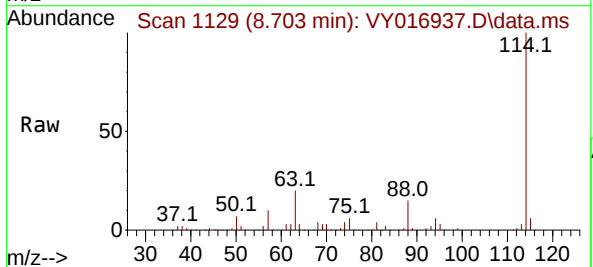
Tgt Ion: 114 Resp: 230378

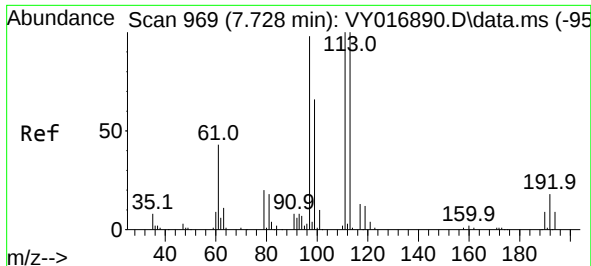
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 14.9 0.0 29.0

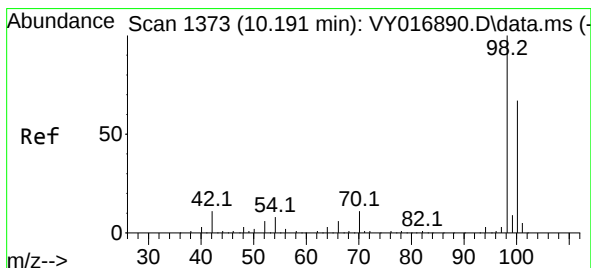
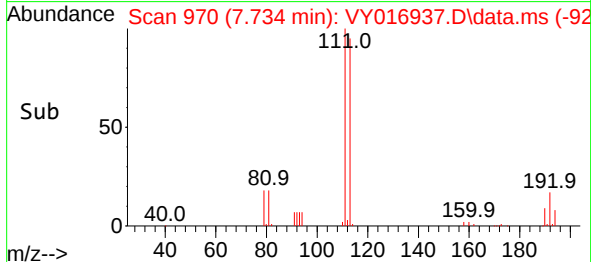
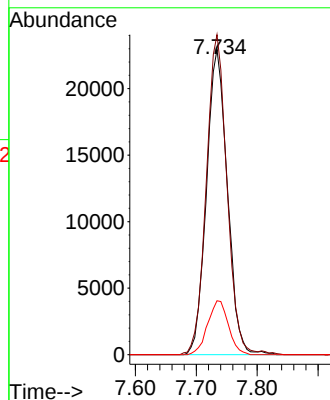
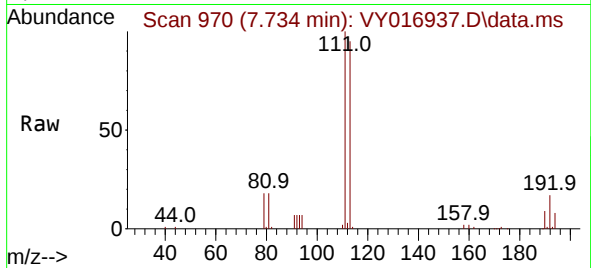




#35
Dibromofluoromethane
Concen: 37.279 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016937.D
Acq: 08 Jan 2024 16:50

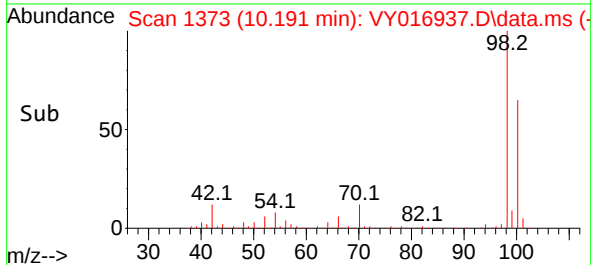
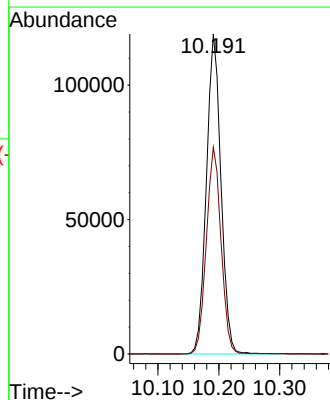
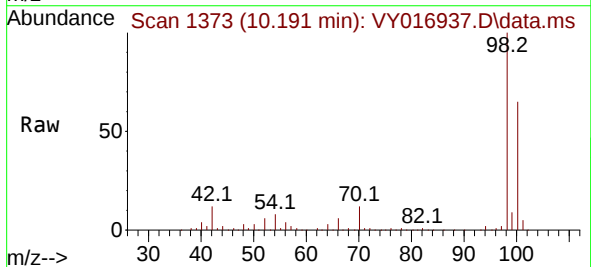
Instrument :
MSVOA_Y
ClientSampleId :
SPILL-DEBRIS-COMP

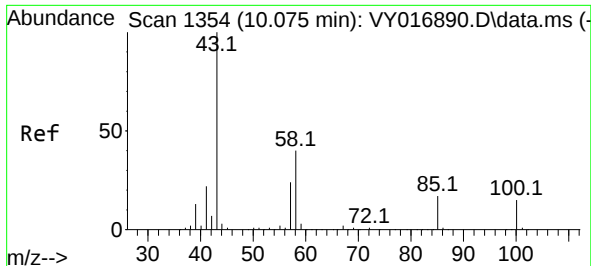
Tgt Ion:113 Resp: 54727
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.6
192 17.6 14.5 21.7



#50
Toluene-d8
Concen: 39.119 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016937.D
Acq: 08 Jan 2024 16:50

Tgt Ion: 98 Resp: 197757
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

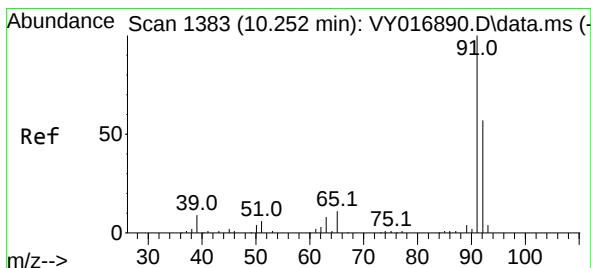
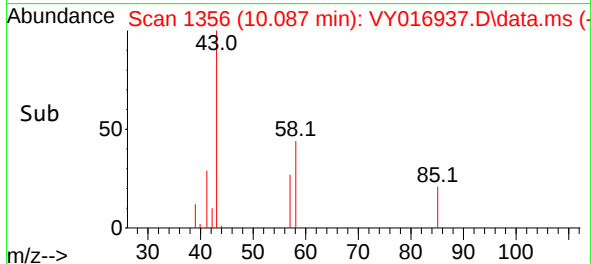
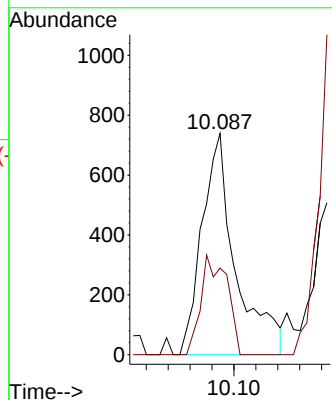
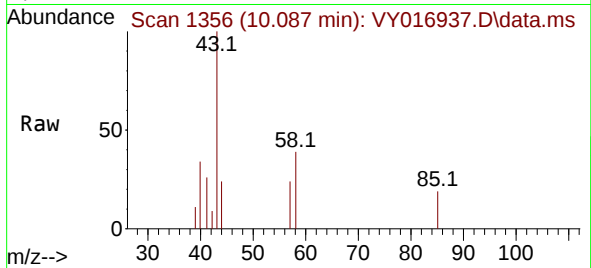




#51
4-Methyl-2-Pentanone
Concen: 1.589 ug/l
RT: 10.087 min Scan# 1356
Delta R.T. 0.006 min
Lab File: VY016937.D
Acq: 08 Jan 2024 16:50

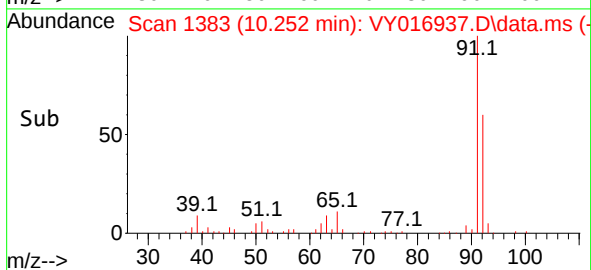
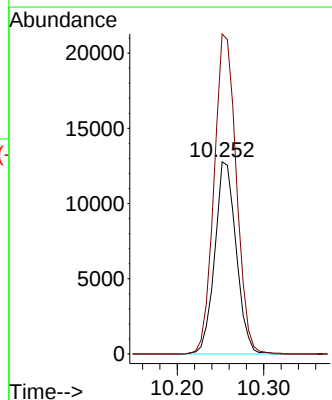
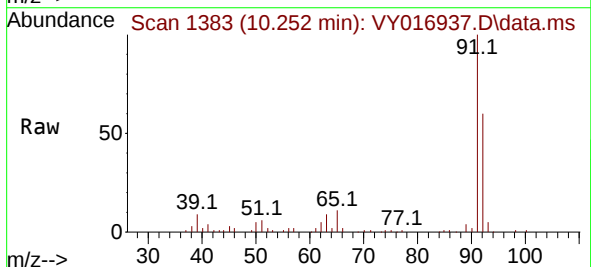
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ClientSampleId :
SPILL-DEBRIS-COMP

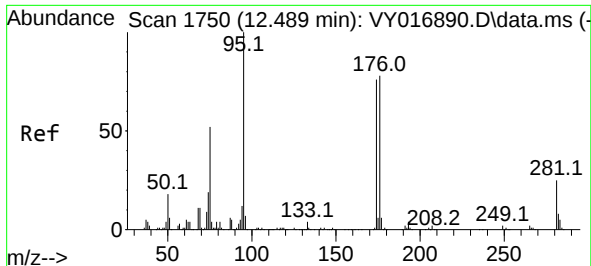
Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
58 35.0 32.2 48.2



#52
Toluene
Concen: 5.664 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY016937.D
Acq: 08 Jan 2024 16:50

Tgt Ion: 92 Resp: 21939
Ion Ratio Lower Upper
92 100
91 173.1 137.6 206.4

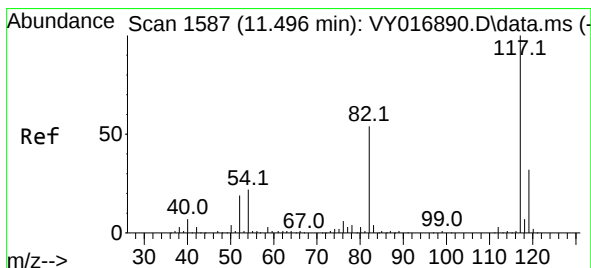
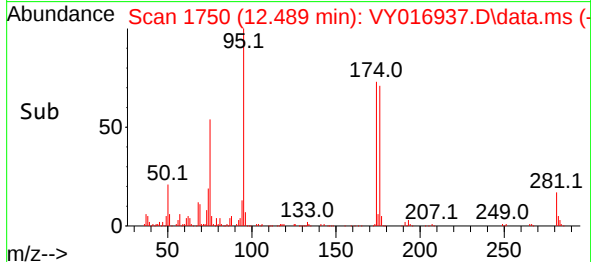
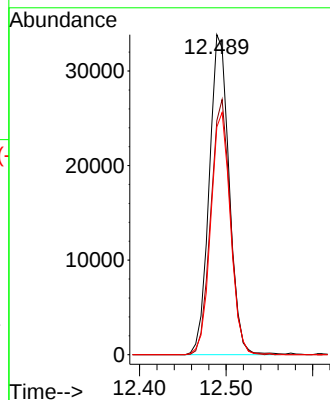
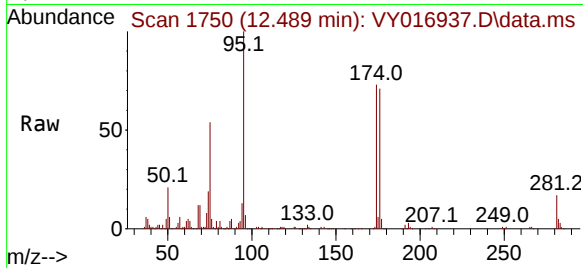




#62
4-Bromofluorobenzene
Concen: 31.638 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016937.D
Acq: 08 Jan 2024 16:50

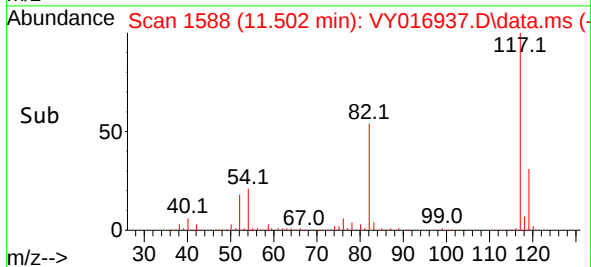
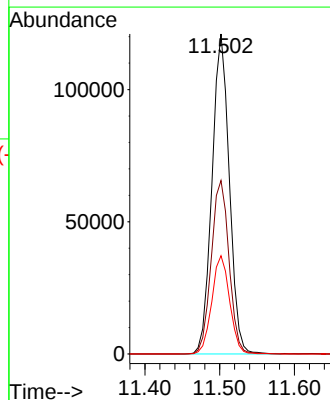
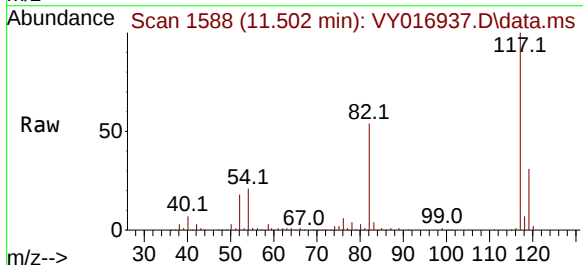
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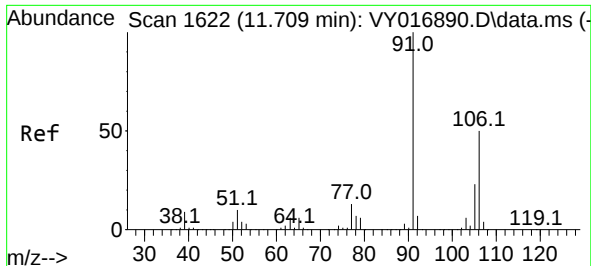
Tgt Ion: 95 Resp: 53961
Ion Ratio Lower Upper
95 100
174 78.9 0.0 160.0
176 74.9 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016937.D
Acq: 08 Jan 2024 16:50

Tgt Ion: 117 Resp: 194749
Ion Ratio Lower Upper
117 100
82 54.2 43.8 65.8
119 30.7 26.5 39.7

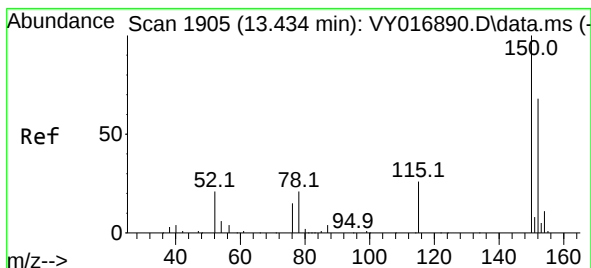
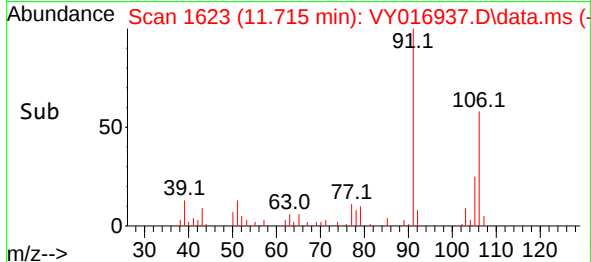
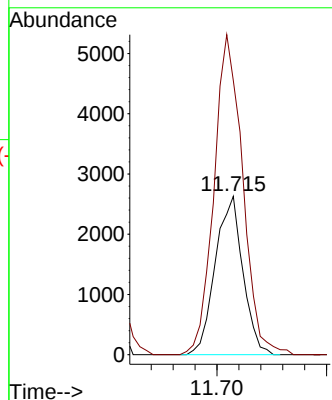
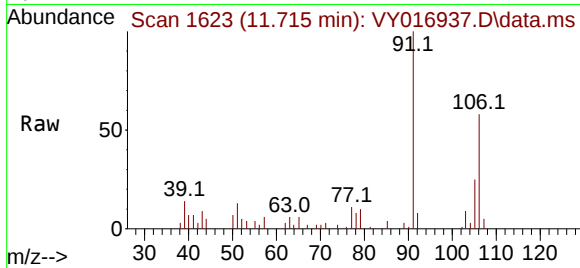




#68
m/p-Xylenes
Concen: 1.715 ug/l
RT: 11.715 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016937.D
Acq: 08 Jan 2024 16:50

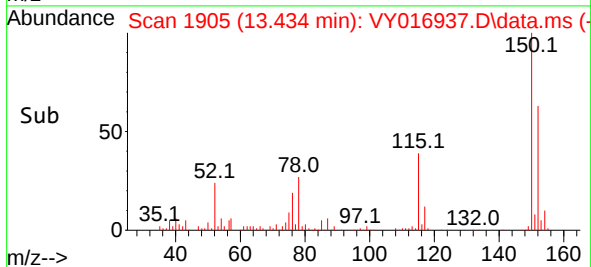
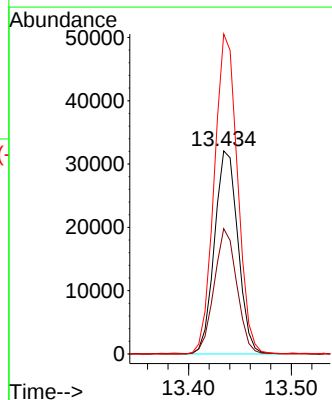
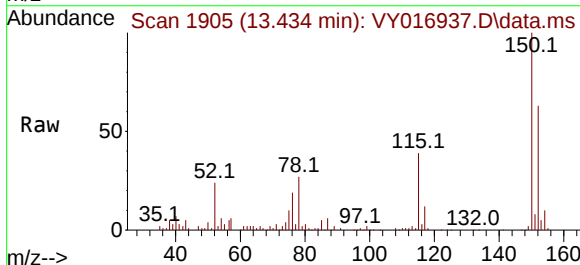
Instrument :
MSVOA_Y
ClientSampleId :
SPILL-DEBRIS-COMP

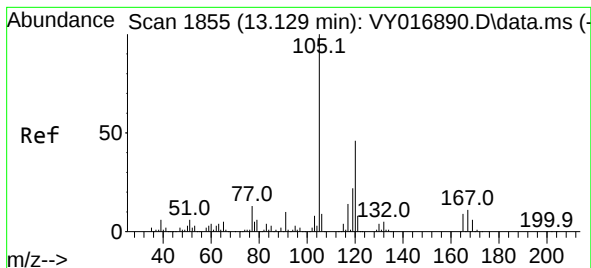
Tgt Ion:106 Resp: 4597
Ion Ratio Lower Upper
106 100
91 210.0 160.7 241.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY016937.D
Acq: 08 Jan 2024 16:50

Tgt Ion:152 Resp: 50746
Ion Ratio Lower Upper
152 100
115 60.0 30.0 90.0
150 156.6 0.0 344.6





#84

1,2,4-Trimethylbenzene

Concen: 1.237 ug/l

RT: 13.129 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016937.D

Acq: 08 Jan 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :

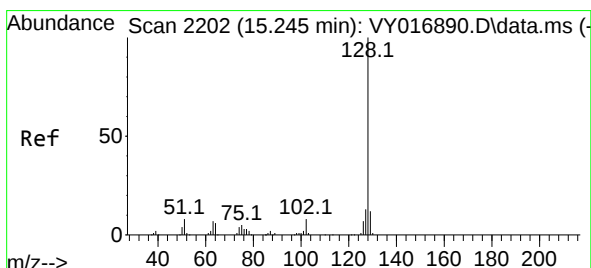
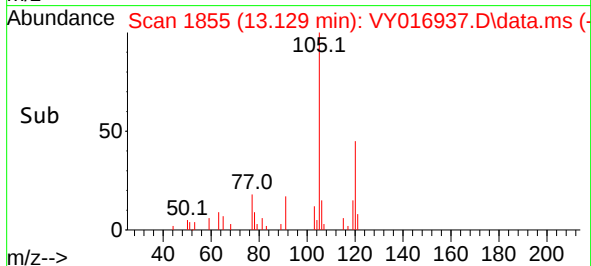
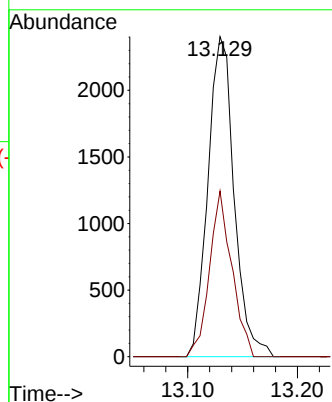
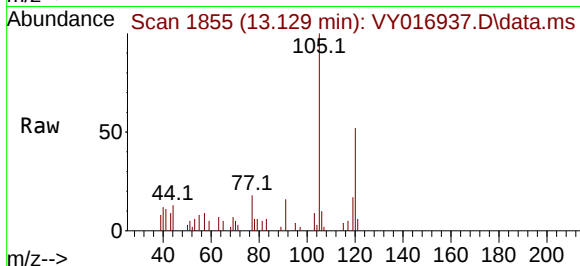
SPILL-DEBRIS-COMP

Tgt Ion:105 Resp: 3994

Ion Ratio Lower Upper

105 100

120 44.1 22.1 66.3



#95

Naphthalene

Concen: 2.596 ug/l

RT: 15.251 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY016937.D

Acq: 08 Jan 2024 16:50

Tgt Ion:128 Resp: 2619

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 10.1 8.6 12.8

