

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010824\
 Data File : VY016931.D
 Acq On : 08 Jan 2024 12:55
 Operator : SY/MD
 Sample : P1055-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPILL-DEBRIS-COMP

Quant Time: Jan 09 06:34:50 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)

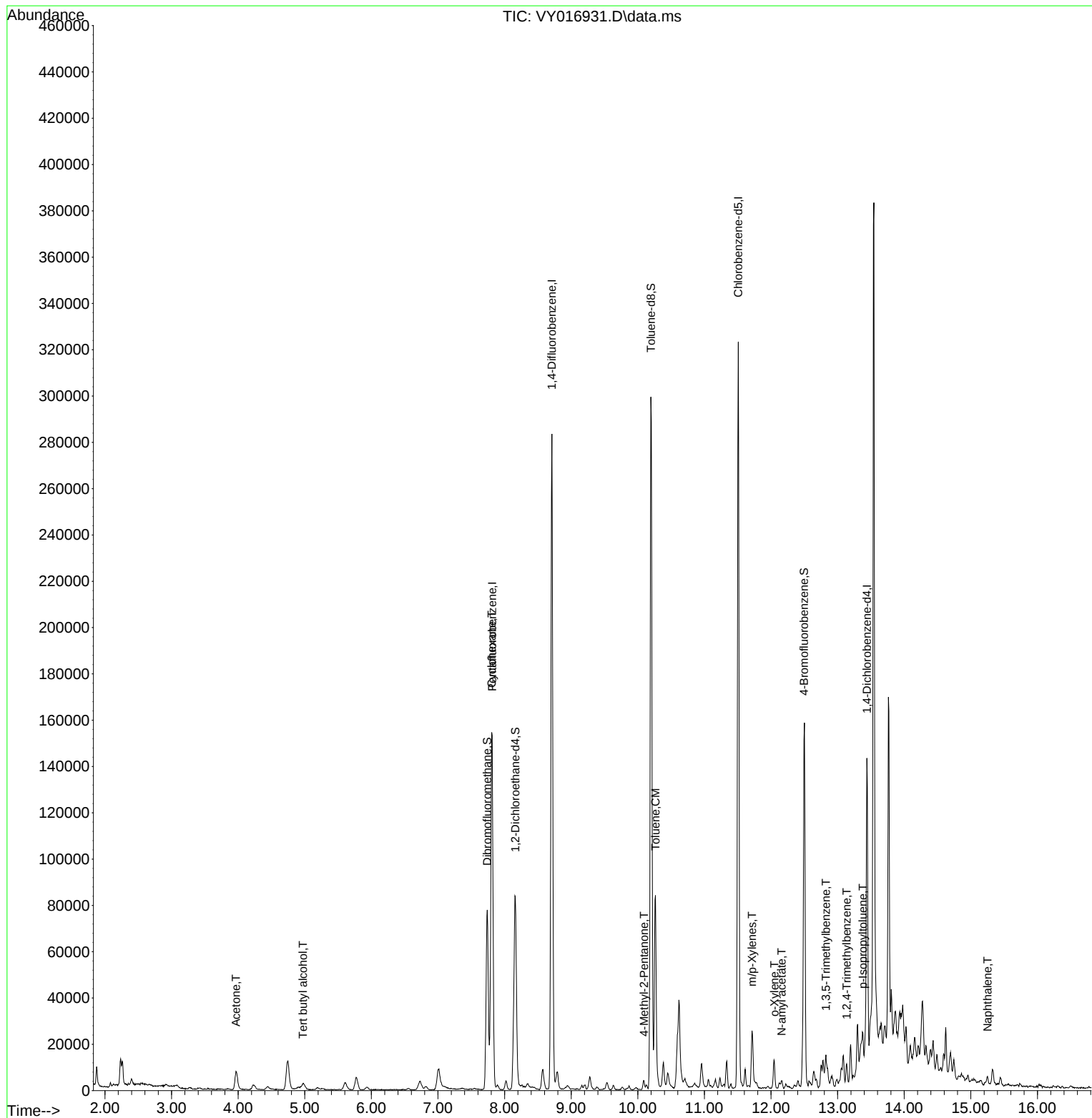
Internal Standards						
1) Pentafluorobenzene	7.813	168	112642	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	238012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	171467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	31249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	52122	46.817	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.640%		
35) Dibromofluoromethane	7.740	113	57019	37.594	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	75.180%		
50) Toluene-d8	10.197	98	189760	36.333	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	72.660%		
62) 4-Bromofluorobenzene	12.495	95	41423	23.508	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	47.020%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.972	59	5421	38.896	ug/l	98
16) Acetone	3.966	43	14579	32.092	ug/l	99
31) Cyclohexane	7.807	56	7289	3.815	ug/l #	58
51) 4-Methyl-2-Pentanone	10.093	43	3049	2.980	ug/l	88
52) Toluene	10.264	92	34471	8.614	ug/l	99
68) m/p-Xylenes	11.715	106	7569	3.207	ug/l	97
69) o-Xylene	12.050	106	3173	1.434	ug/l	95
74) N-amyl acetate	12.160	43	1508	2.941	ug/l #	80
80) 1,3,5-Trimethylbenzene	12.825	105	2060	1.021	ug/l	93
84) 1,2,4-Trimethylbenzene	13.135	105	5612	2.824	ug/l	97
86) p-Isopropyltoluene	13.379	119	2516	1.157	ug/l #	77
95) Naphthalene	15.251	128	3179	4.590	ug/l	98

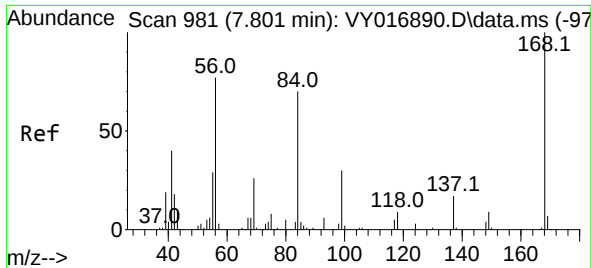
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010824\
Data File : VY016931.D
Acq On : 08 Jan 2024 12:55
Operator : SY/MD
Sample : P1055-07
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SPILL-DEBRIS-COMP

Quant Time: Jan 09 06:34:50 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

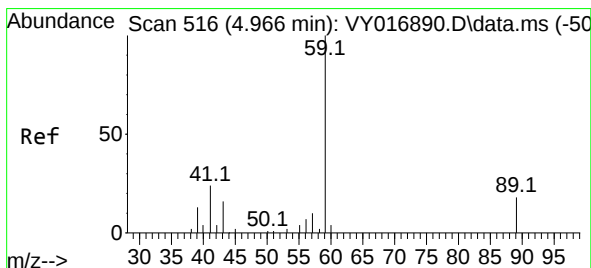
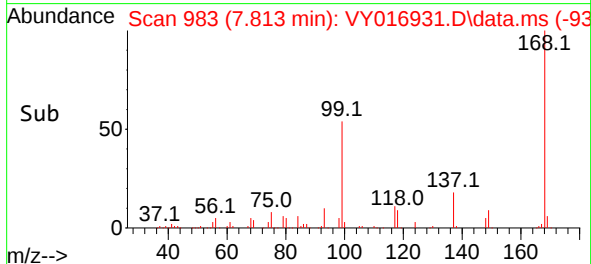
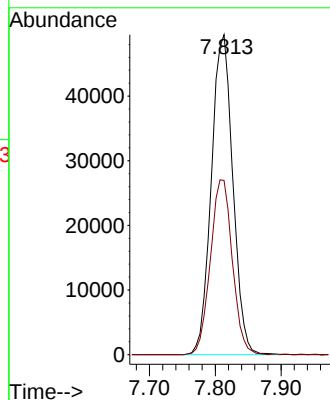
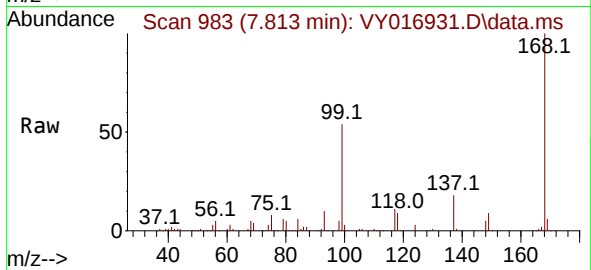




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

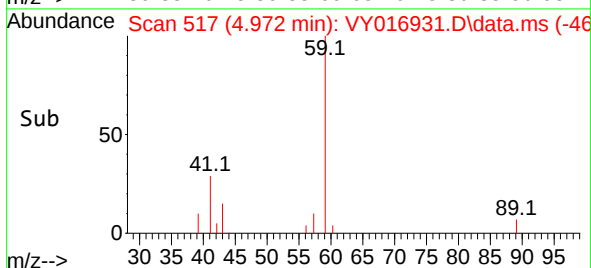
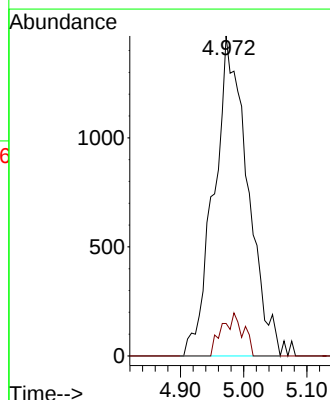
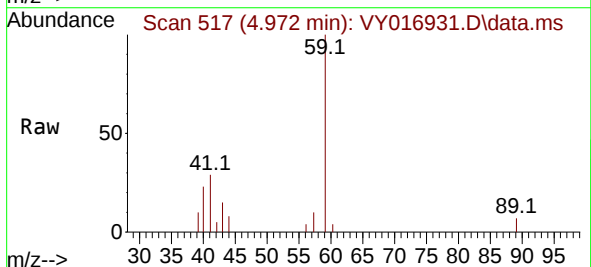
Instrument :
MSVOA_Y
ClientSampleId :
SPILL-DEBRIS-COMP

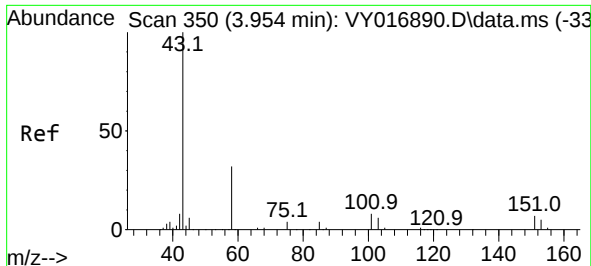
Tgt Ion:168 Resp: 112642
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 38.896 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion: 59 Resp: 5421
Ion Ratio Lower Upper
59 100
57 8.6 7.4 11.0





#16

Acetone

Concen: 32.092 ug/l

RT: 3.966 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

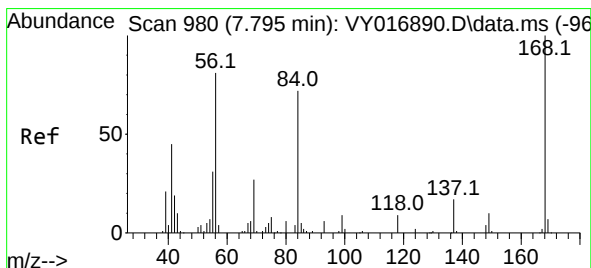
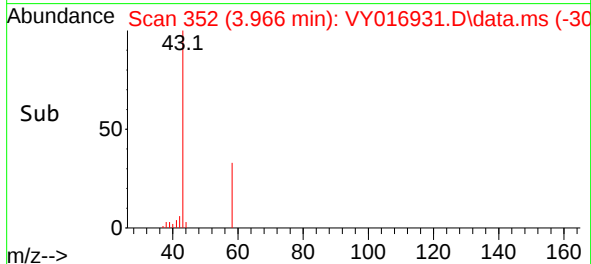
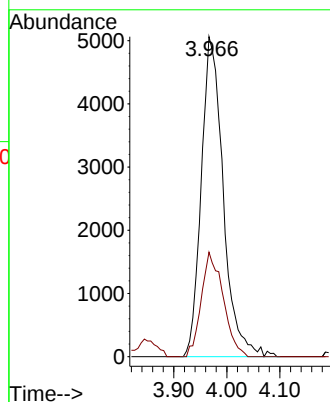
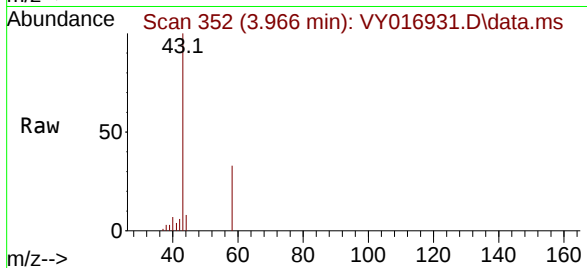
SPILL-DEBRIS-COMP

Tgt Ion: 43 Resp: 14579

Ion Ratio Lower Upper

43 100

58 32.6 26.6 39.8



#31

Cyclohexane

Concen: 3.815 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

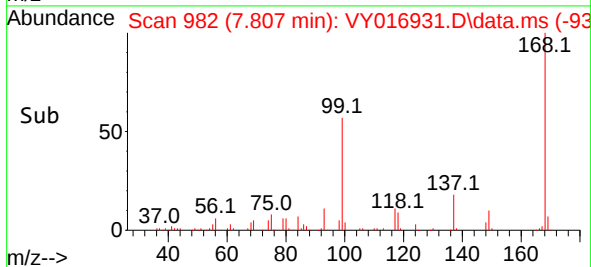
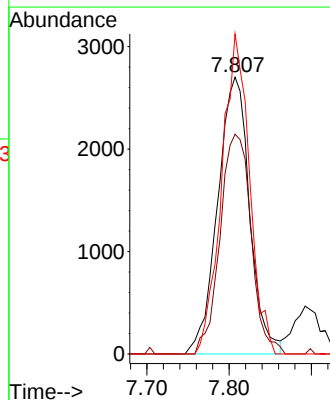
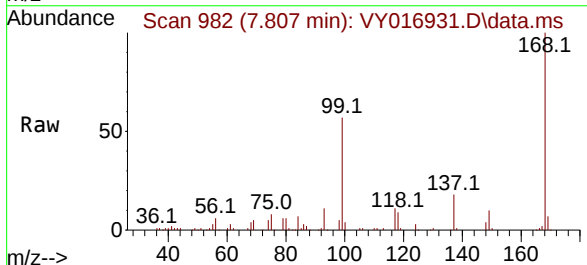
Tgt Ion: 56 Resp: 7289

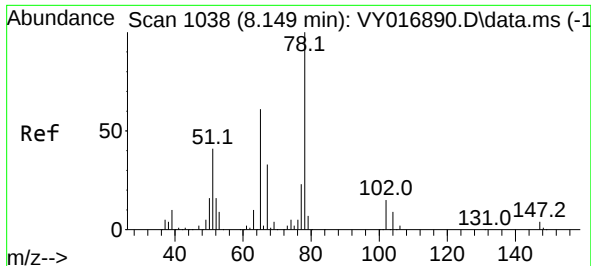
Ion Ratio Lower Upper

56 100

69 79.3 27.0 40.6#

84 115.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 46.817 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

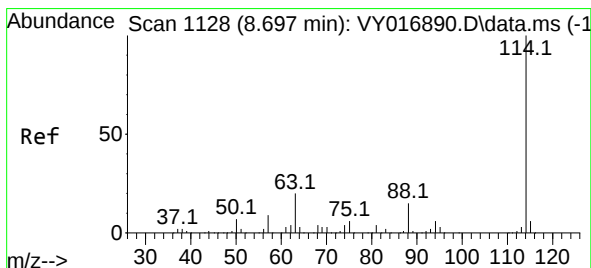
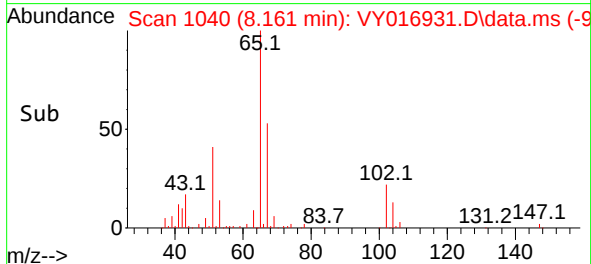
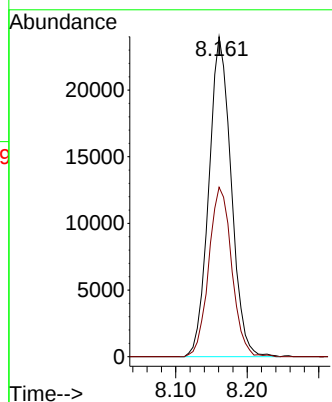
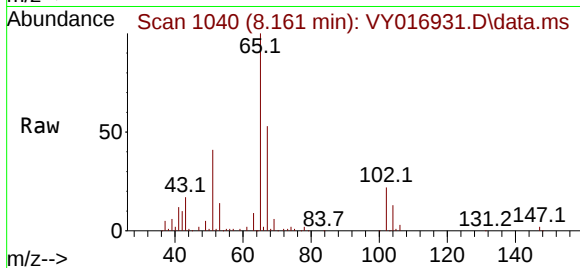
SPILL-DEBRIS-COMP

Tgt Ion: 65 Resp: 52122

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

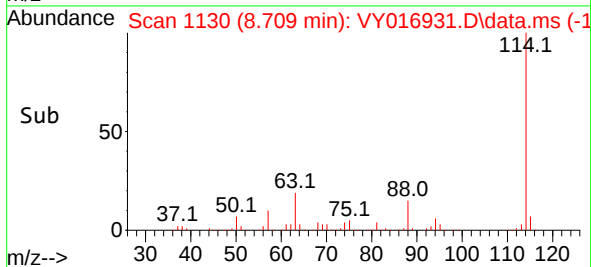
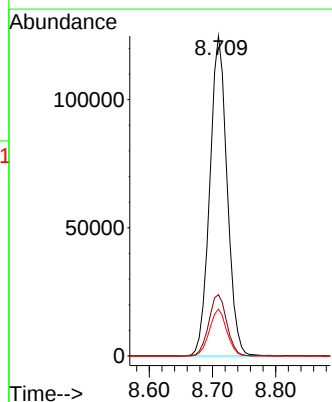
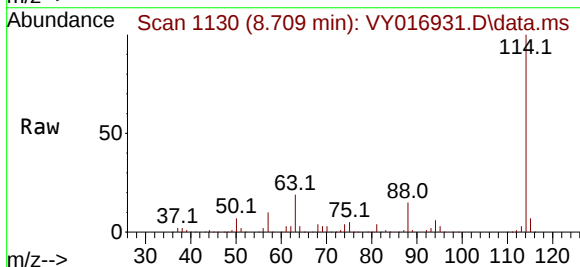
Tgt Ion: 114 Resp: 238012

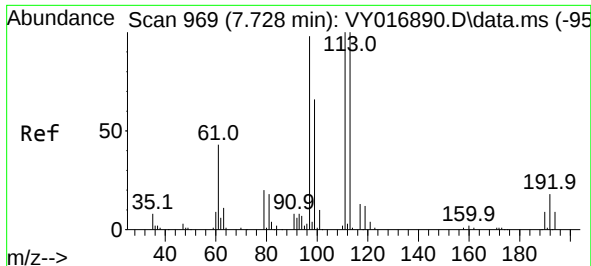
Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

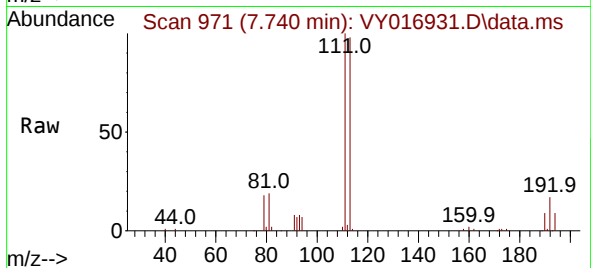
88 14.7 0.0 29.0



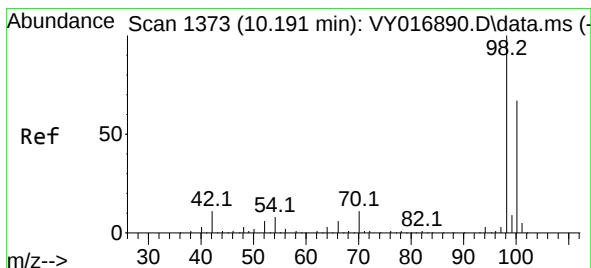
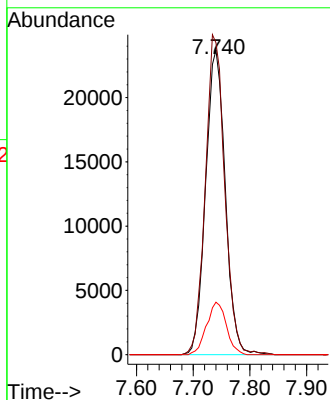
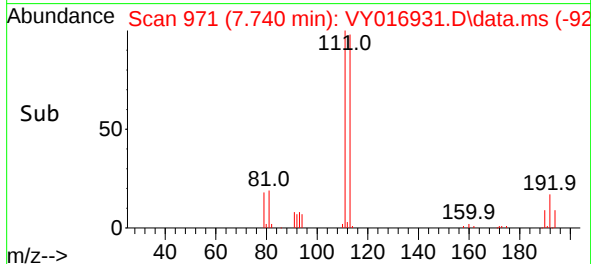


#35
 Dibromofluoromethane
 Concen: 37.594 ug/l
 RT: 7.740 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VY016931.D
 Acq: 08 Jan 2024 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPILL-DEBRIS-COMP

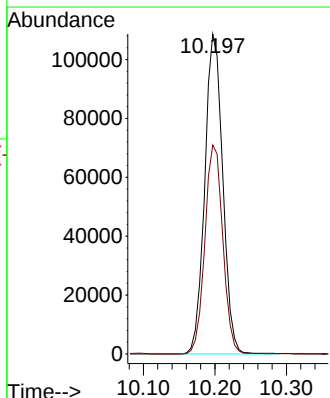
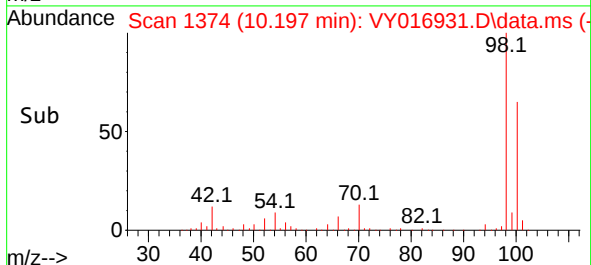
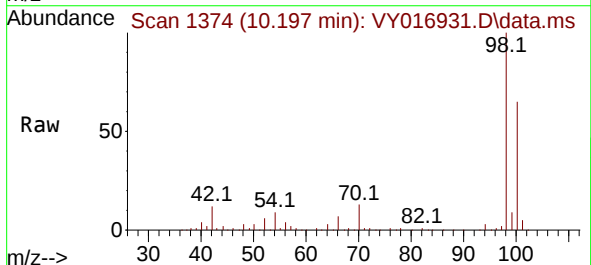


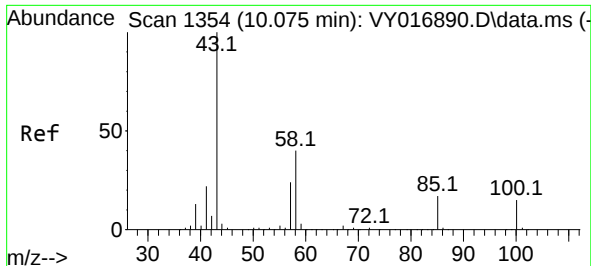
Tgt Ion:113	Resp:	57019	
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.8	125.6
192	17.4	14.5	21.7



#50
 Toluene-d8
 Concen: 36.333 ug/l
 RT: 10.197 min Scan# 1374
 Delta R.T. 0.006 min
 Lab File: VY016931.D
 Acq: 08 Jan 2024 12:55

Tgt Ion: 98	Resp:	189760	
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5

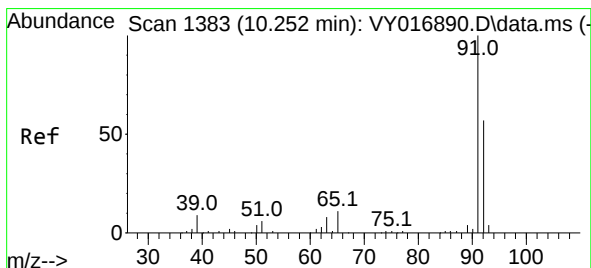
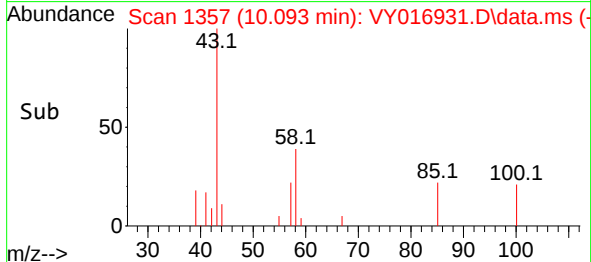
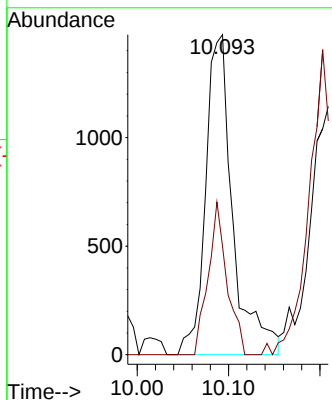
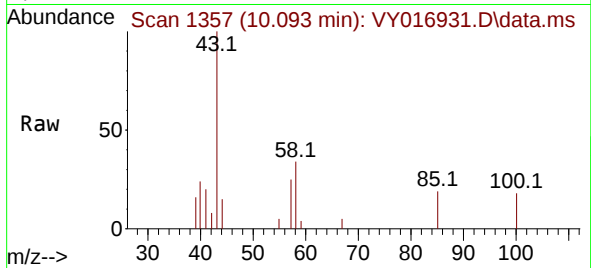




#51
4-Methyl-2-Pentanone
Concen: 2.980 ug/l
RT: 10.093 min Scan# 1357
Delta R.T. 0.012 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

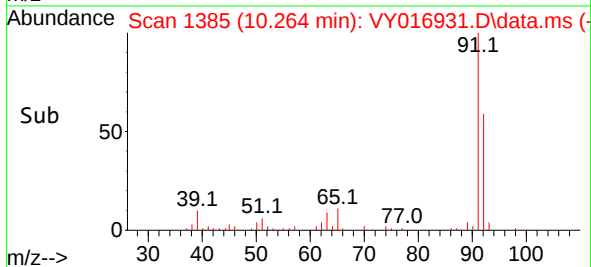
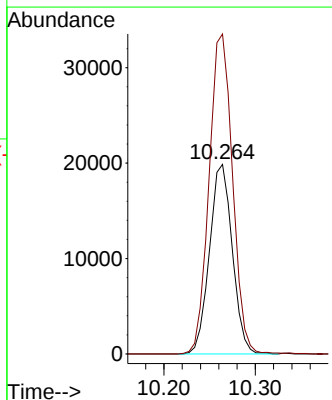
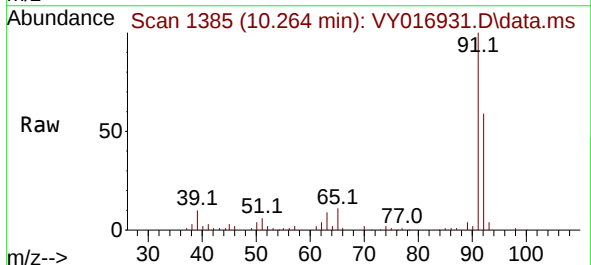
Instrument :
MSVOA_Y
ClientSampleId :
SPILL-DEBRIS-COMP

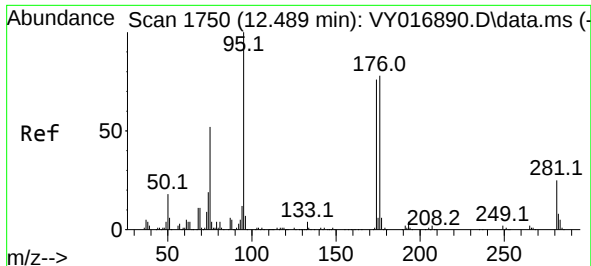
Tgt Ion: 43 Resp: 3049
Ion Ratio Lower Upper
43 100
58 33.0 32.2 48.2



#52
Toluene
Concen: 8.614 ug/l
RT: 10.264 min Scan# 1385
Delta R.T. 0.012 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion: 92 Resp: 34471
Ion Ratio Lower Upper
92 100
91 173.6 137.6 206.4

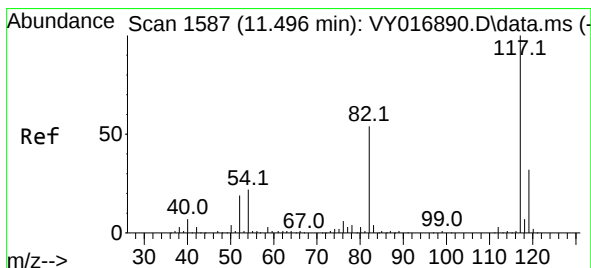
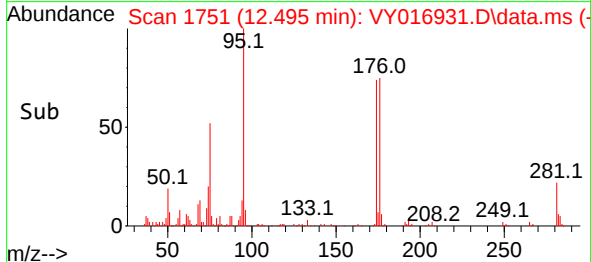
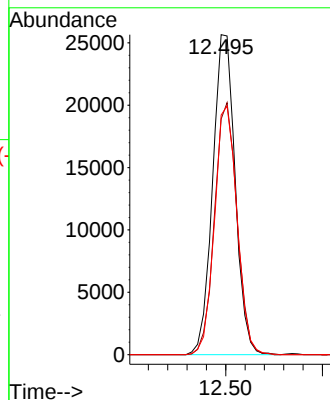
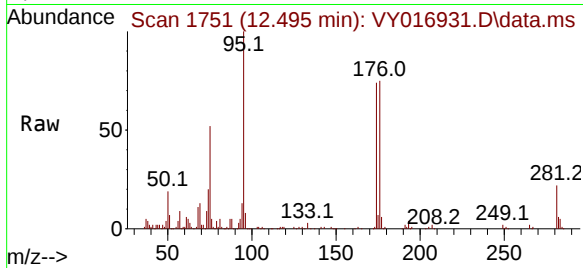




#62
4-Bromofluorobenzene
Concen: 23.508 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

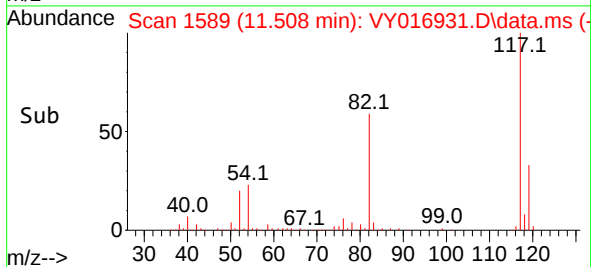
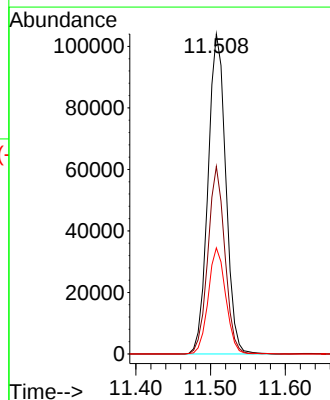
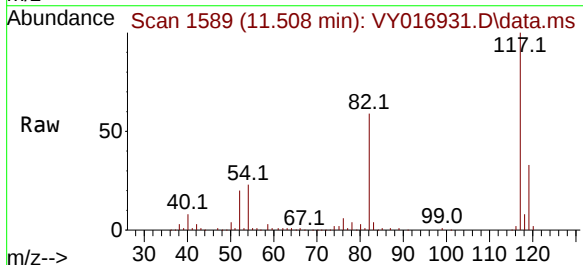
Instrument :
MSVOA_Y
ClientSampleId :
SPILL-DEBRIS-COMP

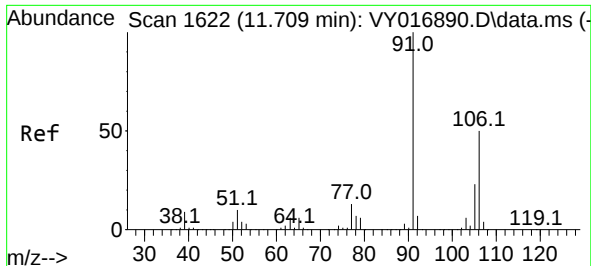
Tgt Ion: 95 Resp: 41423
Ion Ratio Lower Upper
95 100
174 78.6 0.0 160.0
176 78.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion: 117 Resp: 171467
Ion Ratio Lower Upper
117 100
82 58.6 43.8 65.8
119 33.1 26.5 39.7

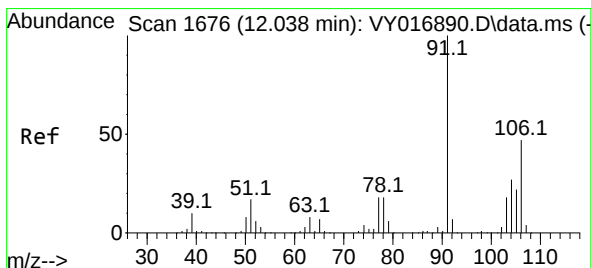
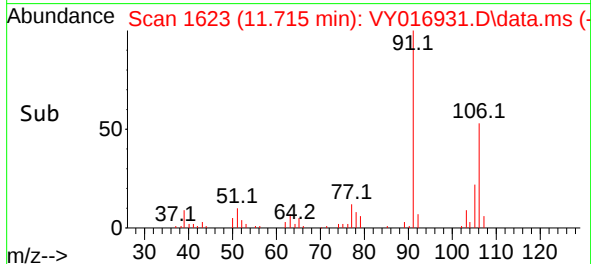
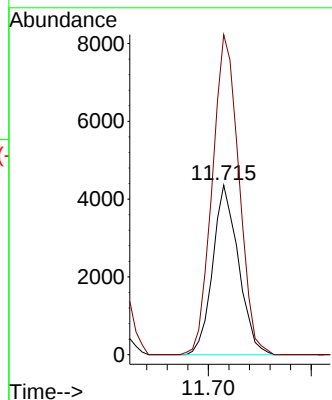
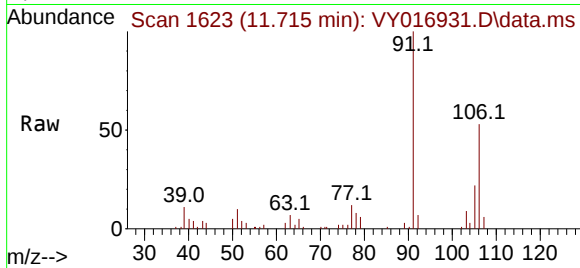




#68
m/p-Xylenes
Concen: 3.207 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

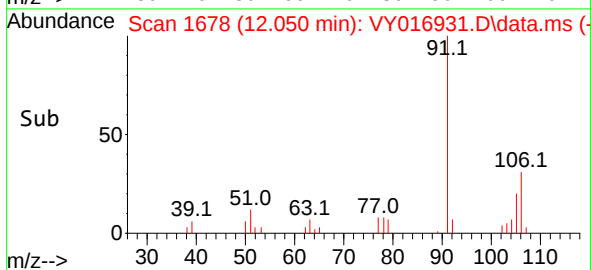
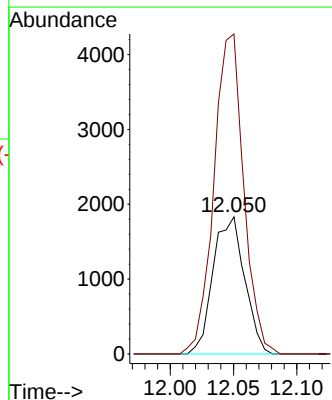
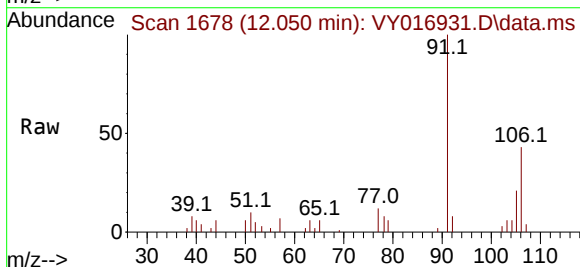
Instrument :
MSVOA_Y
ClientSampleId :
SPILL-DEBRIS-COMP

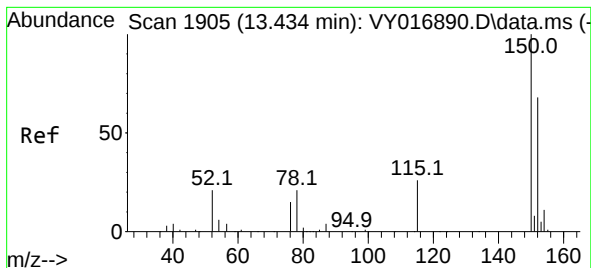
Tgt Ion:106 Resp: 7569
Ion Ratio Lower Upper
106 100
91 195.6 160.7 241.1



#69
o-Xylene
Concen: 1.434 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.012 min
Lab File: VY016931.D
Acq: 08 Jan 2024 12:55

Tgt Ion:106 Resp: 3173
Ion Ratio Lower Upper
106 100
91 220.5 106.5 319.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

SPILL-DEBRIS-COMP

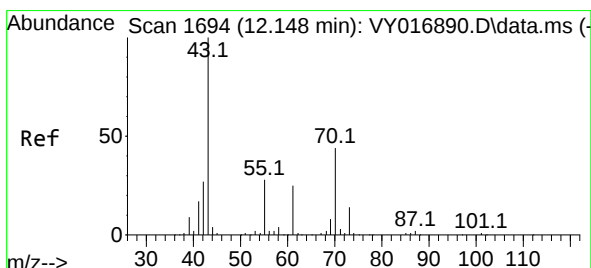
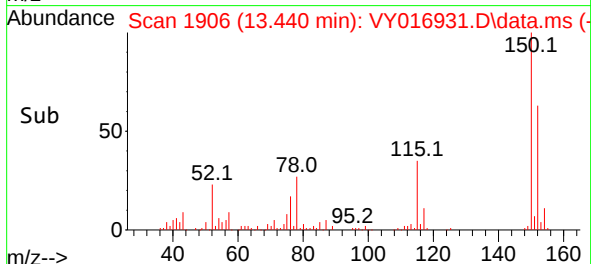
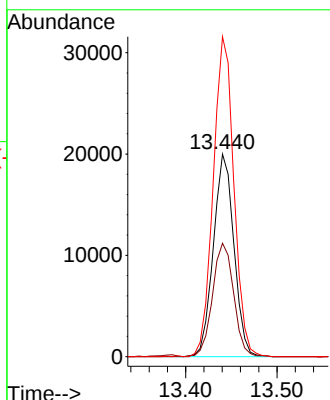
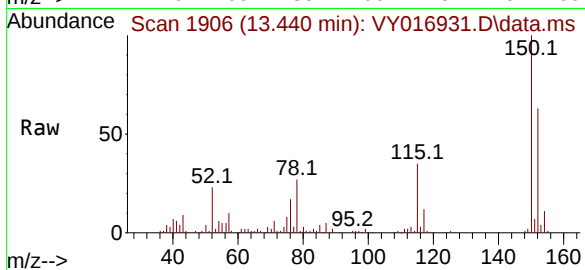
Tgt Ion:152 Resp: 31249

Ion Ratio Lower Upper

152 100

115 57.5 30.0 90.0

150 158.4 0.0 344.6



#74

N-ethyl acetate

Concen: 2.941 ug/l

RT: 12.160 min Scan# 1696

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Tgt Ion: 43 Resp: 1508

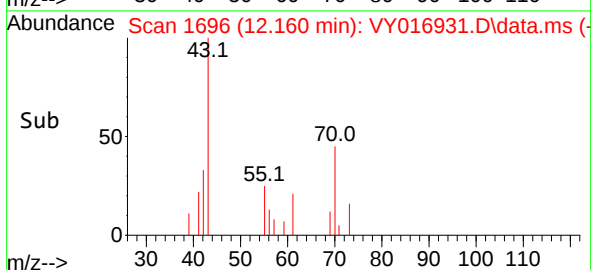
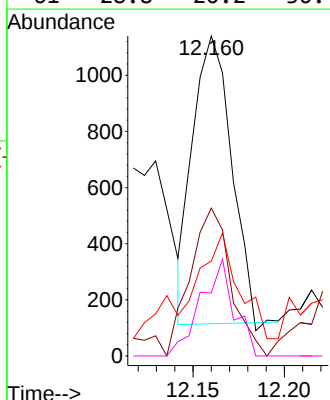
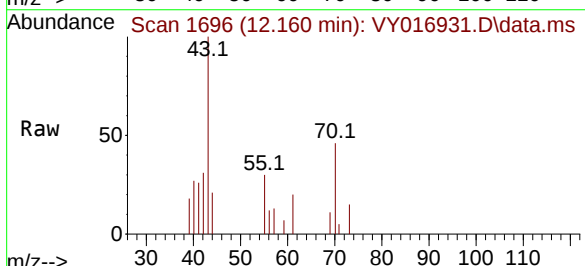
Ion Ratio Lower Upper

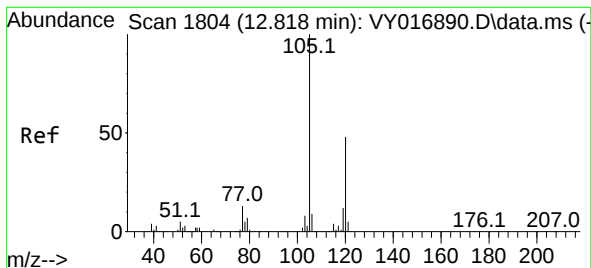
43 100

70 58.4 36.6 55.0#

55 46.2 22.2 33.4#

61 28.8 20.2 30.4





#80

1,3,5-Trimethylbenzene

Concen: 1.021 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.007 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

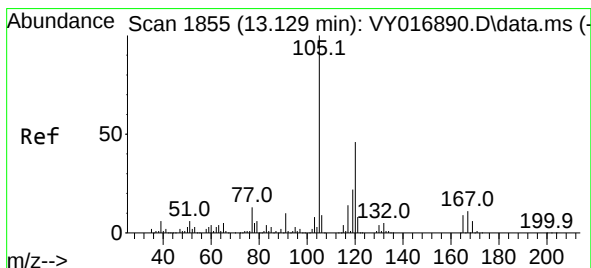
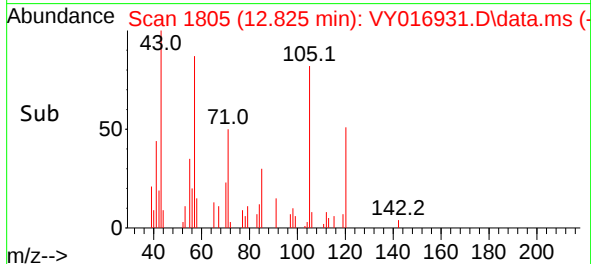
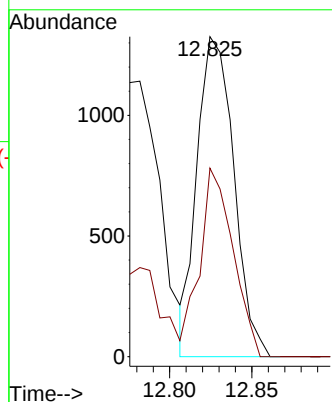
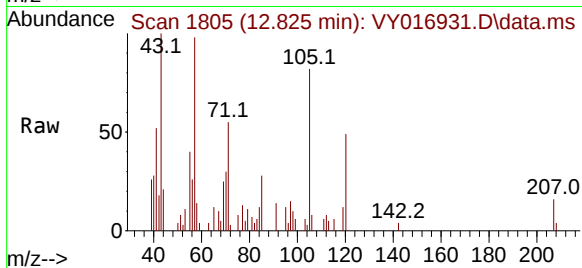
SPILL-DEBRIS-COMP

Tgt Ion:105 Resp: 2060

Ion Ratio Lower Upper

105 100

120 53.3 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 2.824 ug/l

RT: 13.135 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VY016931.D

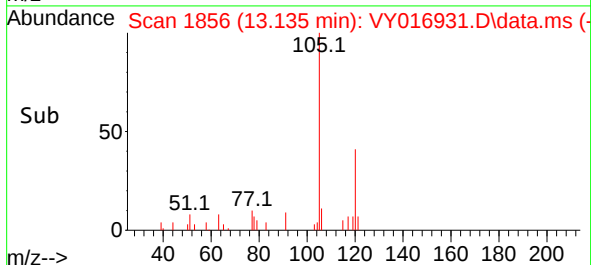
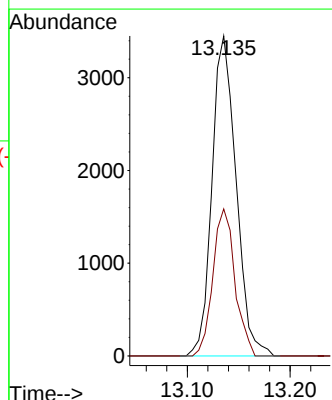
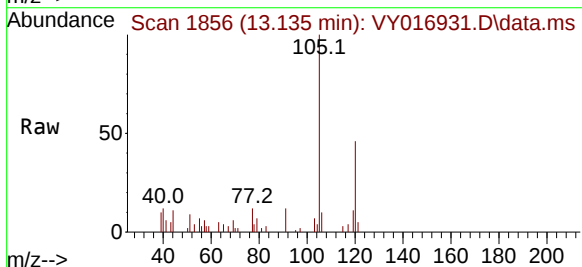
Acq: 08 Jan 2024 12:55

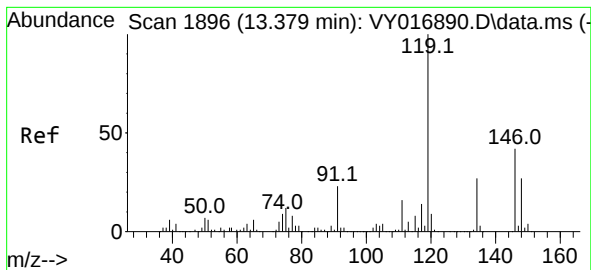
Tgt Ion:105 Resp: 5612

Ion Ratio Lower Upper

105 100

120 42.1 22.1 66.3





#86

p-Isopropyltoluene

Concen: 1.157 ug/l

RT: 13.379 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Instrument :

MSVOA_Y

ClientSampleId :

SPILL-DEBRIS-COMP

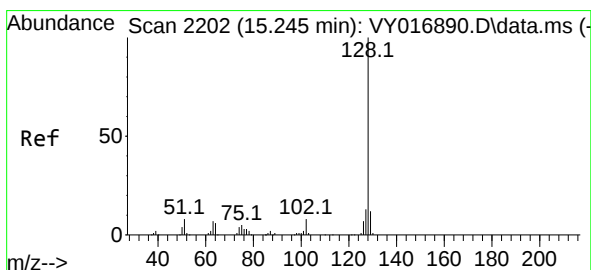
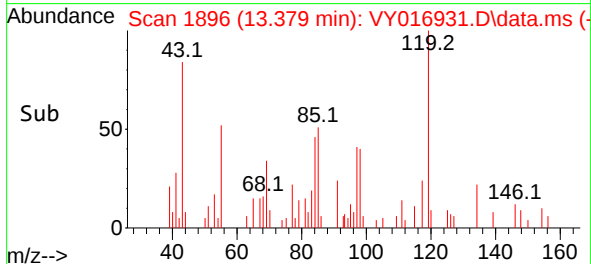
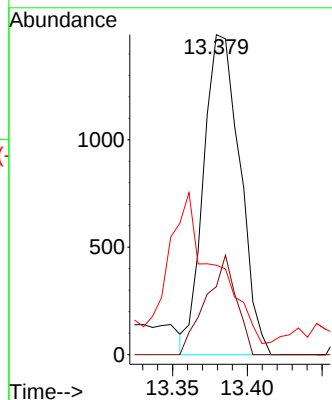
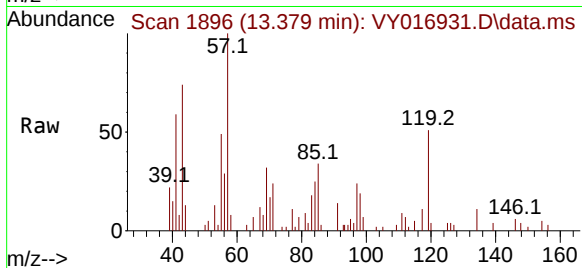
Tgt Ion:119 Resp: 2516

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

91 0.0 11.7 35.0#



#95

Naphthalene

Concen: 4.590 ug/l

RT: 15.251 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY016931.D

Acq: 08 Jan 2024 12:55

Tgt Ion:128 Resp: 3179

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 10.8 8.6 12.8

