

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112123\
 Data File : VY016443.D
 Acq On : 21 Nov 2023 17:21
 Operator : SY/MD
 Sample : 05507-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-11202023

Quant Time: Nov 22 01:20:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

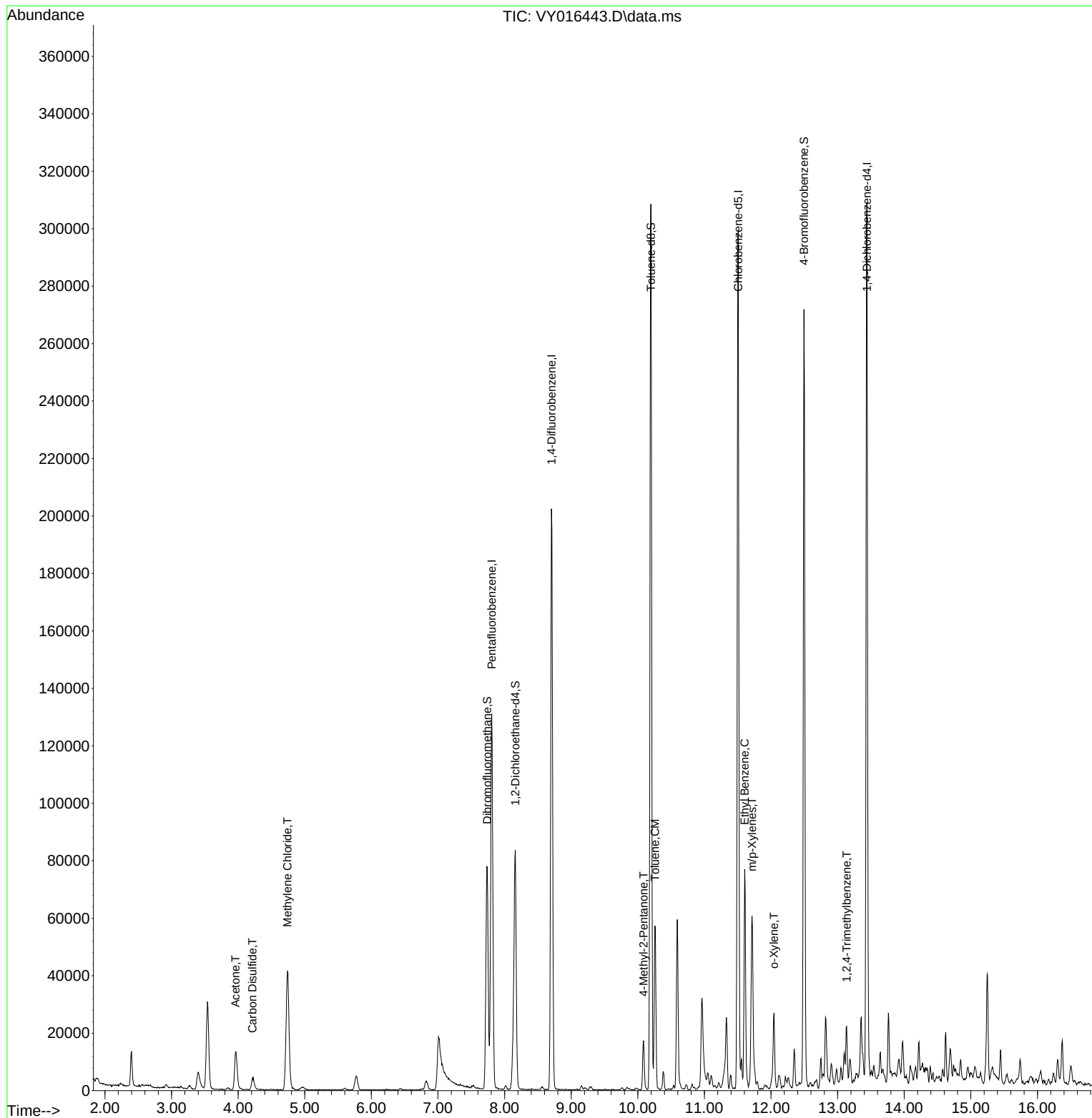
Internal Standards						
1) Pentafluorobenzene	7.807	168	105559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	182911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	177533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	82463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	61257	63.494	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 126.980%		
35) Dibromofluoromethane	7.740	113	57777	55.606	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 111.220%		
50) Toluene-d8	10.197	98	214298	50.859	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.720%		
62) 4-Bromofluorobenzene	12.495	95	76942	56.223	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 112.440%		
Target Compounds						
16) Acetone	3.960	43	23362	146.393	ug/l #	83
17) Carbon Disulfide	4.216	76	3884	1.207	ug/l #	90
20) Methylene Chloride	4.741	84	34691	29.333	ug/l #	84
51) 4-Methyl-2-Pentanone	10.087	43	10913	15.315	ug/l	92
52) Toluene	10.258	92	25482	7.953	ug/l	92
67) Ethyl Benzene	11.605	91	53180	7.801	ug/l	97
68) m/p-Xylenes	11.715	106	17437	6.744	ug/l	92
69) o-Xylene	12.044	106	6452	2.688	ug/l	96
84) 1,2,4-Trimethylbenzene	13.135	105	11255	2.123	ug/l	100

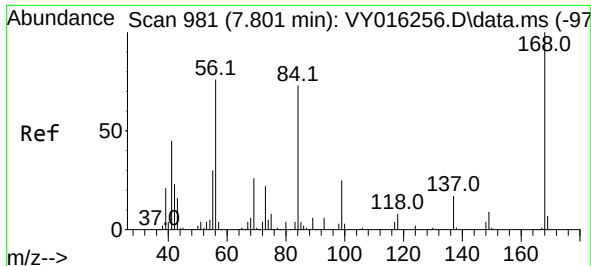
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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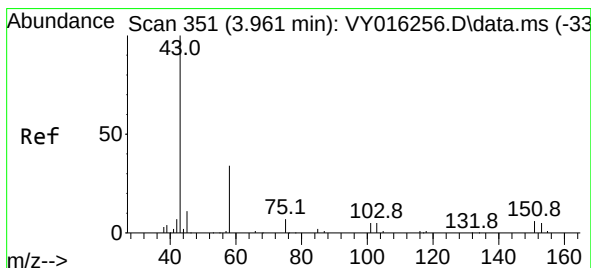
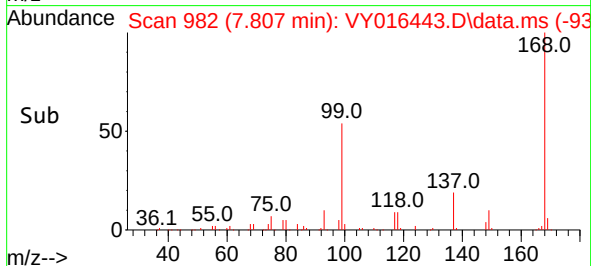
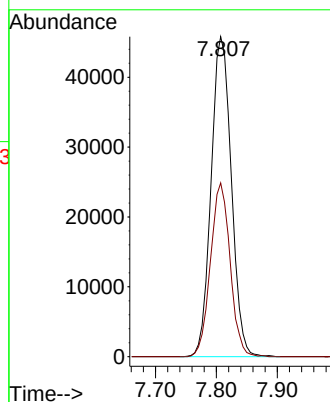
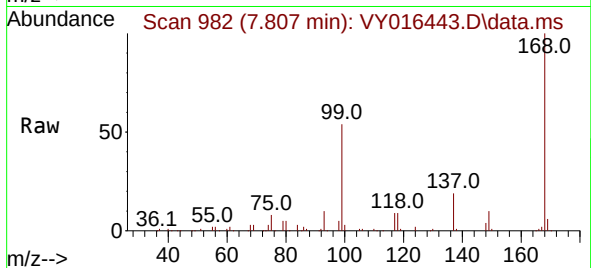




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016443.D
Acq: 21 Nov 2023 17:21

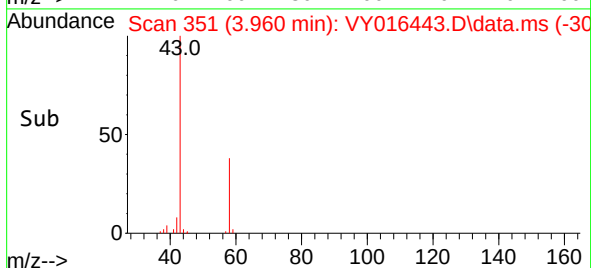
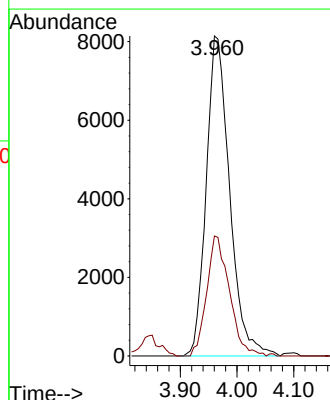
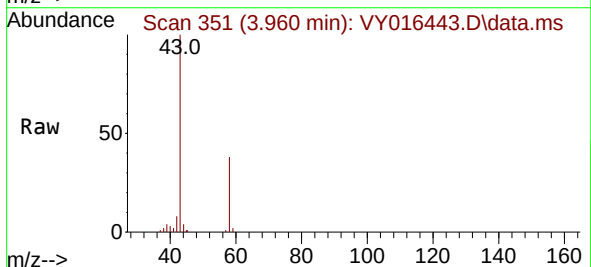
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-11202023

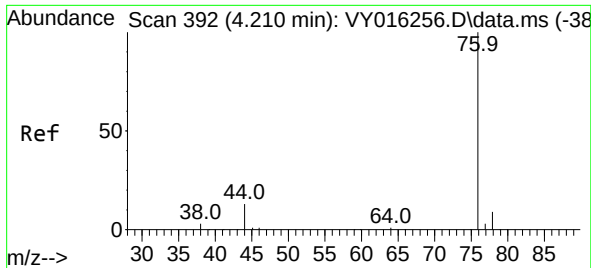
Tgt Ion:168 Resp: 105559
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#16
Acetone
Concen: 146.393 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY016443.D
Acq: 21 Nov 2023 17:21

Tgt Ion: 43 Resp: 23362
Ion Ratio Lower Upper
43 100
58 37.5 22.7 34.1#





#17

Carbon Disulfide

Concen: 1.207 ug/l

RT: 4.216 min Scan# 392

Delta R.T. 0.006 min

Lab File: VY016443.D

Acq: 21 Nov 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

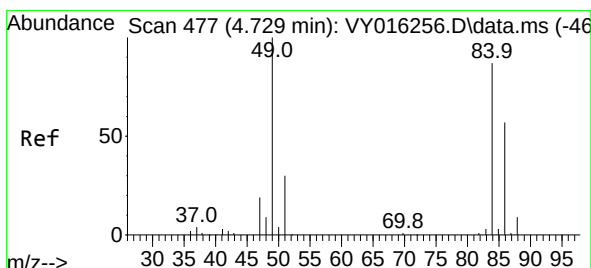
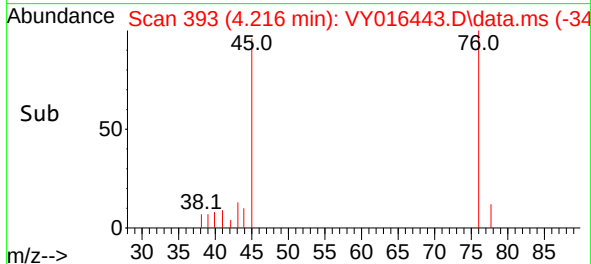
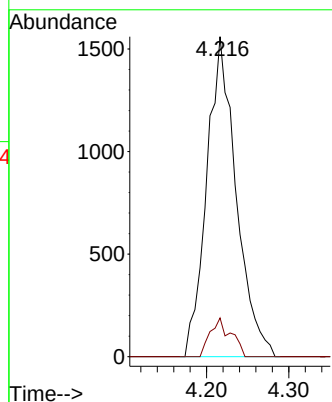
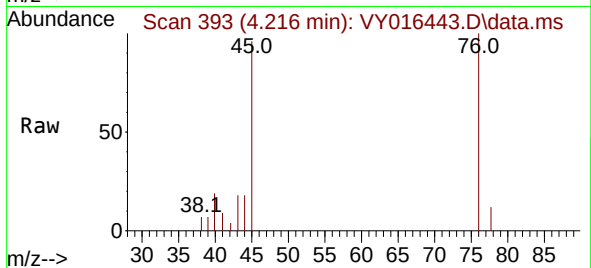
SU-04-11202023

Tgt Ion: 76 Resp: 3884

Ion Ratio Lower Upper

76 100

78 12.1 7.0 10.4#



#20

Methylene Chloride

Concen: 29.333 ug/l

RT: 4.741 min Scan# 479

Delta R.T. 0.012 min

Lab File: VY016443.D

Acq: 21 Nov 2023 17:21

Tgt Ion: 84 Resp: 34691

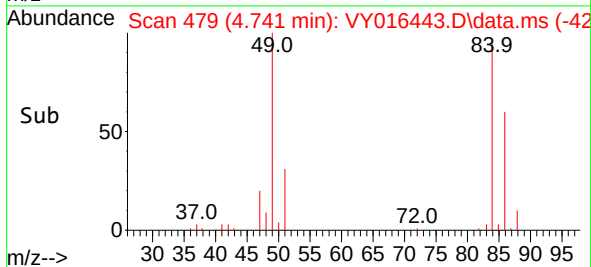
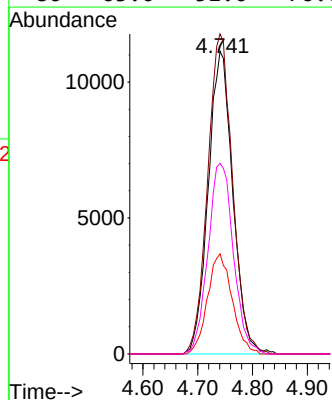
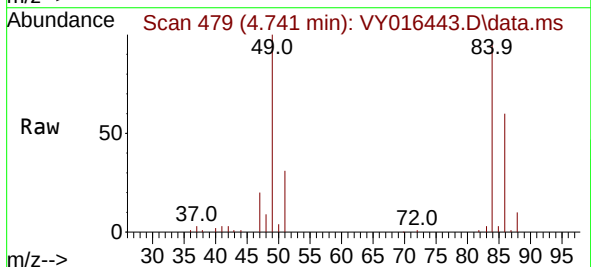
Ion Ratio Lower Upper

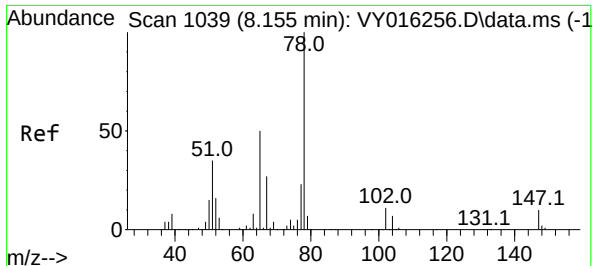
84 100

49 105.7 106.9 160.3#

51 33.1 33.2 49.8#

86 63.0 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 63.494 ug/l

RT: 8.161 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY016443.D

Acq: 21 Nov 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

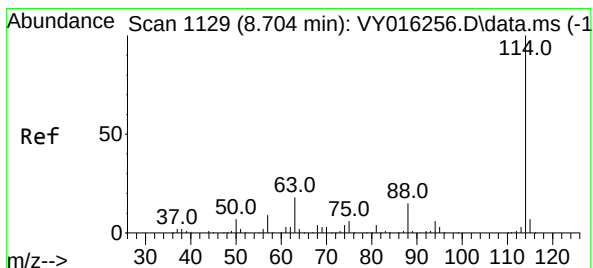
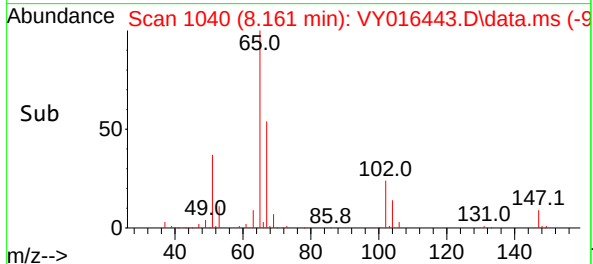
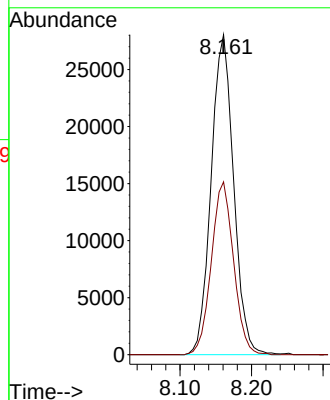
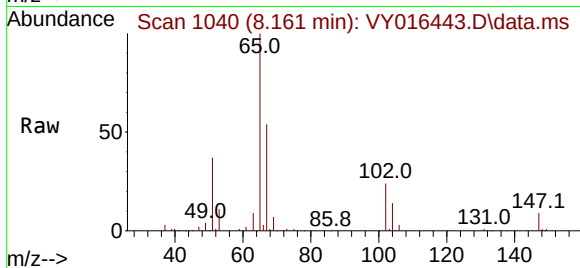
SU-04-11202023

Tgt Ion: 65 Resp: 61257

Ion Ratio Lower Upper

65 100

67 53.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016443.D

Acq: 21 Nov 2023 17:21

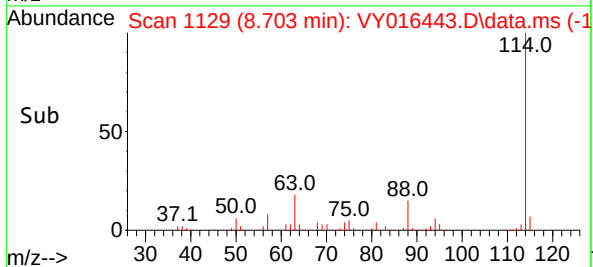
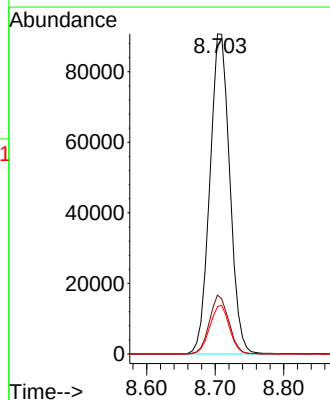
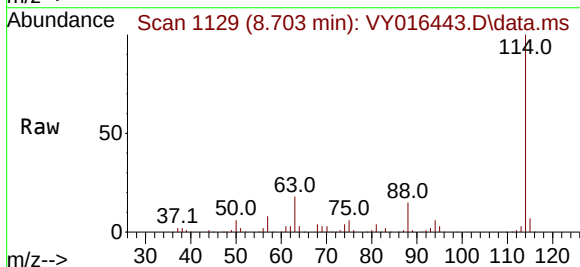
Tgt Ion: 114 Resp: 182911

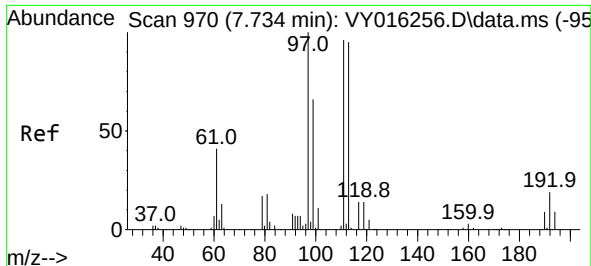
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.606 ug/l

RT: 7.740 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY016443.D

Acq: 21 Nov 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-11202023

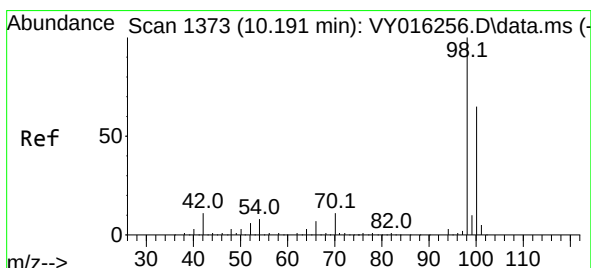
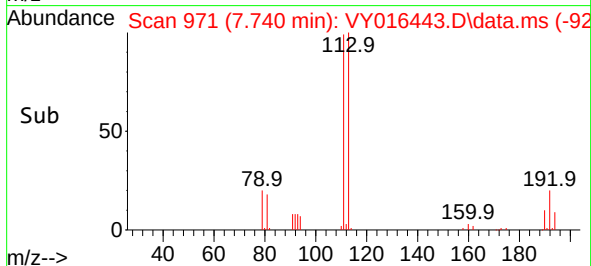
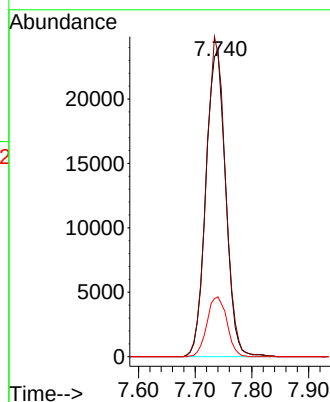
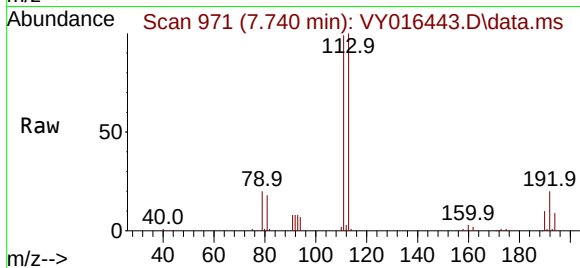
Tgt Ion:113 Resp: 57777

Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 19.7 16.9 25.3



#50

Toluene-d8

Concen: 50.859 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY016443.D

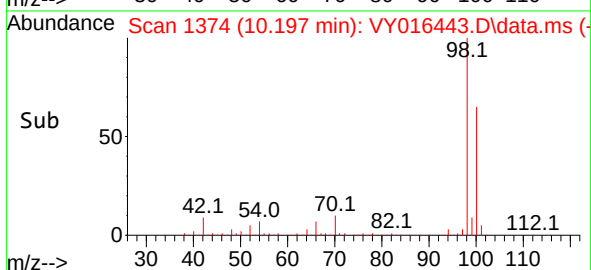
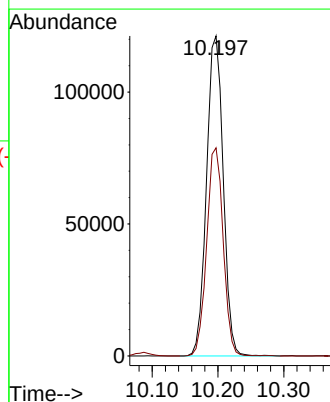
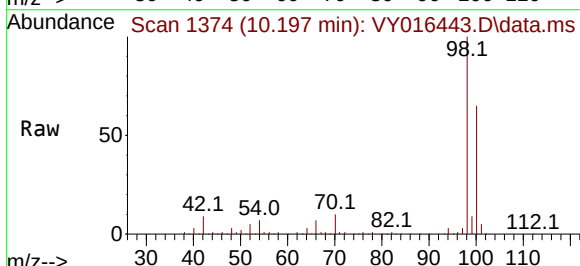
Acq: 21 Nov 2023 17:21

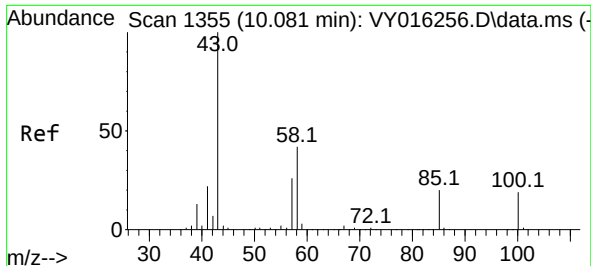
Tgt Ion: 98 Resp: 214298

Ion Ratio Lower Upper

98 100

100 64.3 50.1 75.1

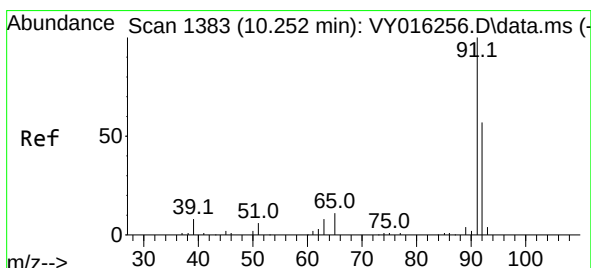
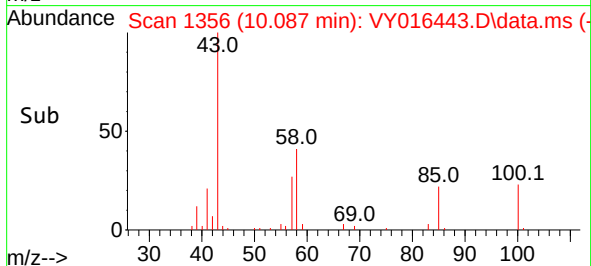
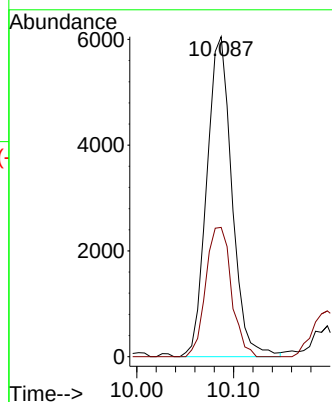
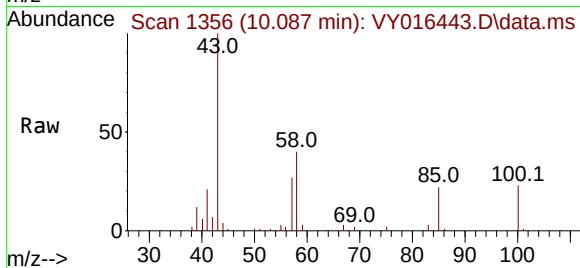




#51
4-Methyl-2-Pentanone
Concen: 15.315 ug/l
RT: 10.087 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY016443.D
Acq: 21 Nov 2023 17:21

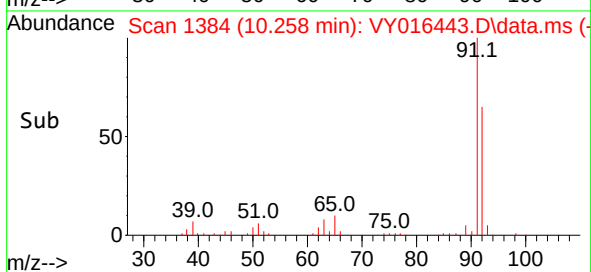
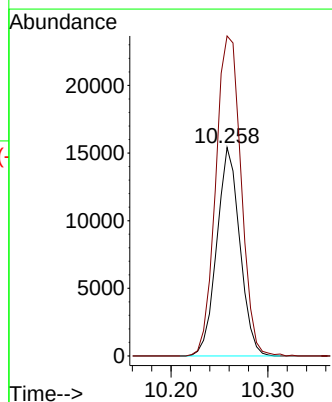
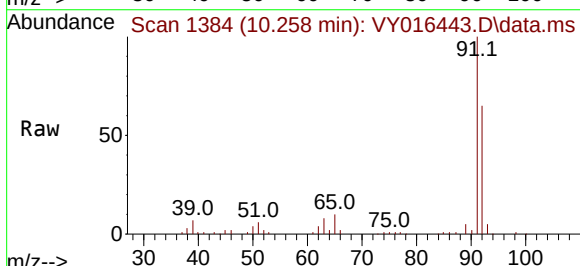
Instrument :
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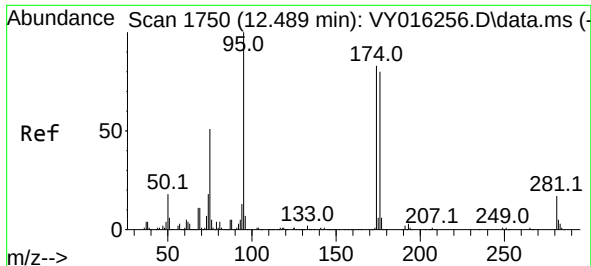
Tgt Ion: 43 Resp: 10913
Ion Ratio Lower Upper
43 100
58 41.2 29.0 43.6



#52
Toluene
Concen: 7.953 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VY016443.D
Acq: 21 Nov 2023 17:21

Tgt Ion: 92 Resp: 25482
Ion Ratio Lower Upper
92 100
91 169.0 143.8 215.6

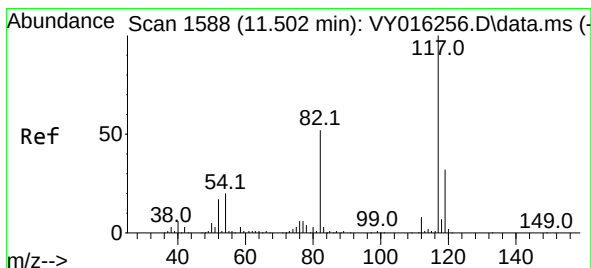
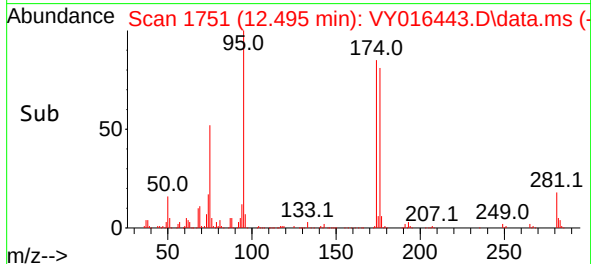
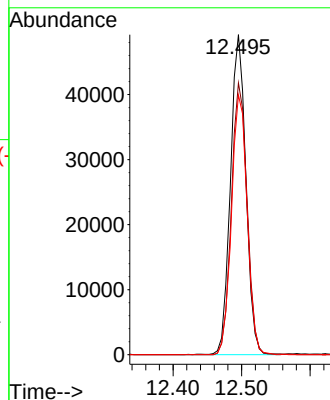
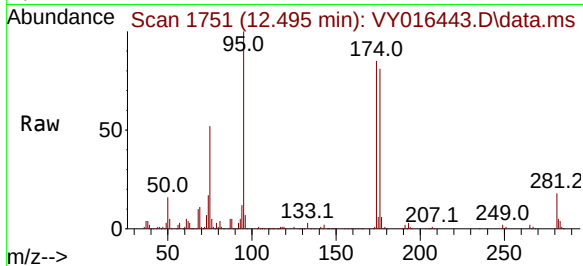




#62
4-Bromofluorobenzene
Concen: 56.223 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016443.D
Acq: 21 Nov 2023 17:21

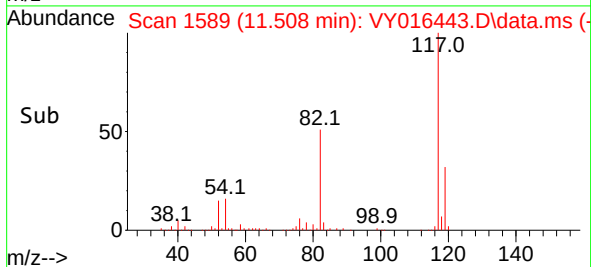
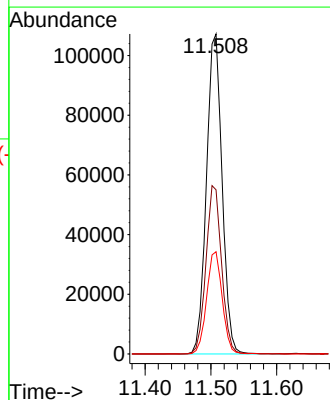
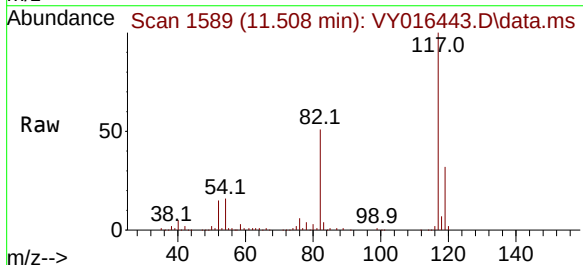
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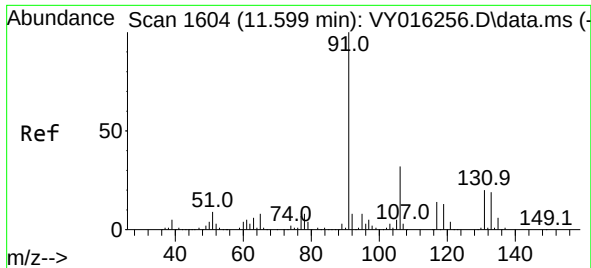
Tgt Ion: 95 Resp: 76942
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.2
176 82.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016443.D
Acq: 21 Nov 2023 17:21

Tgt Ion: 117 Resp: 177533
Ion Ratio Lower Upper
117 100
82 51.3 43.4 65.0
119 32.0 26.3 39.5

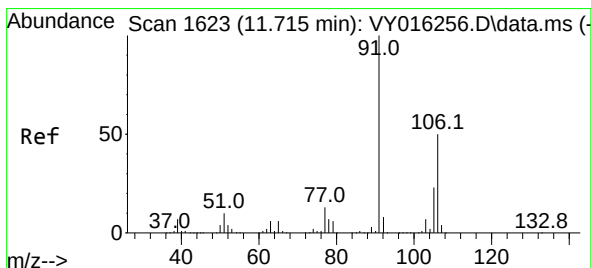
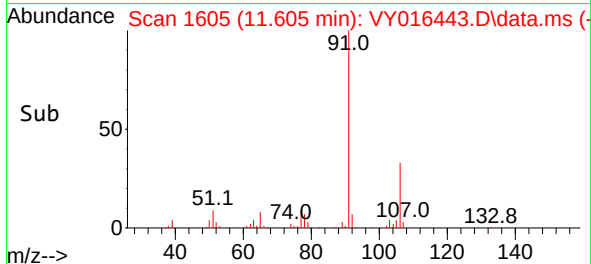
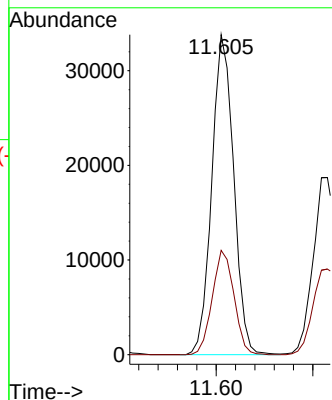
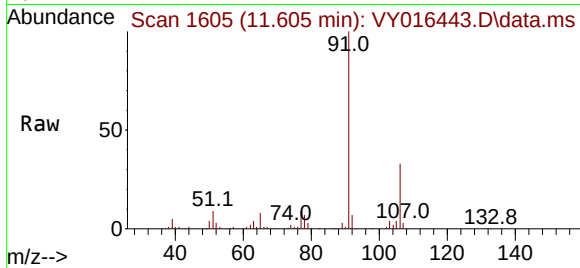




#67
Ethyl Benzene
Concen: 7.801 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.006 min
Lab File: VY016443.D
Acq: 21 Nov 2023 17:21

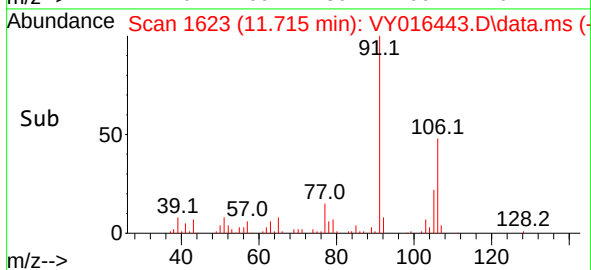
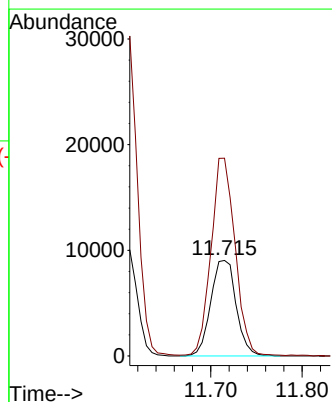
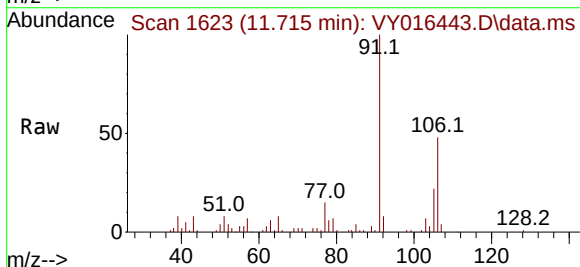
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-11202023

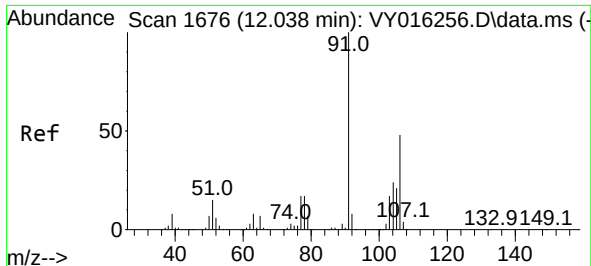
Tgt Ion: 91 Resp: 53180
Ion Ratio Lower Upper
91 100
106 32.6 24.6 36.8



#68
m/p-Xylenes
Concen: 6.744 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. -0.000 min
Lab File: VY016443.D
Acq: 21 Nov 2023 17:21

Tgt Ion:106 Resp: 17437
Ion Ratio Lower Upper
106 100
91 195.3 166.1 249.1

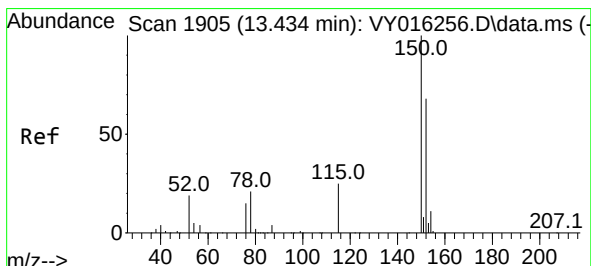
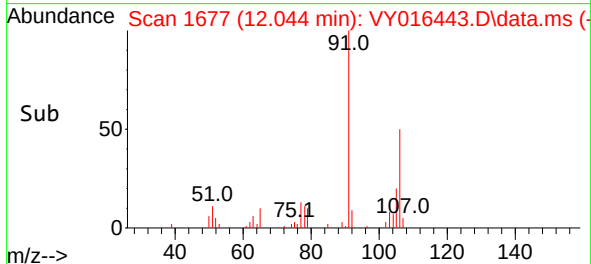
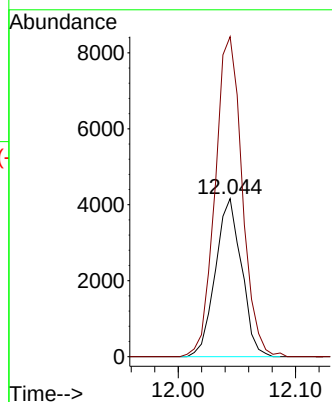
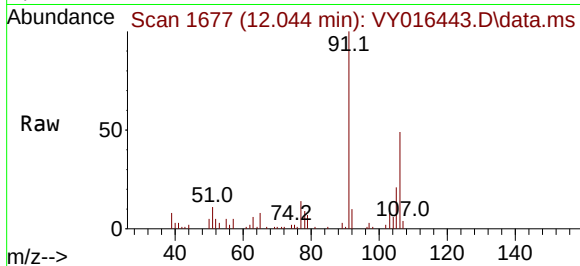




#69
o-Xylene
Concen: 2.688 ug/l
RT: 12.044 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY016443.D
Acq: 21 Nov 2023 17:21

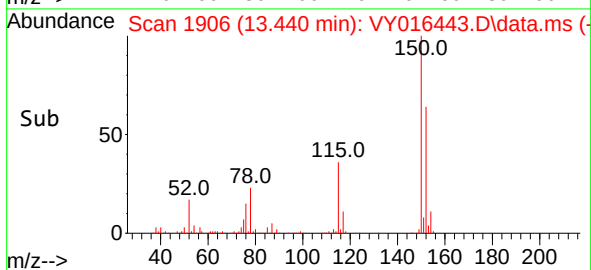
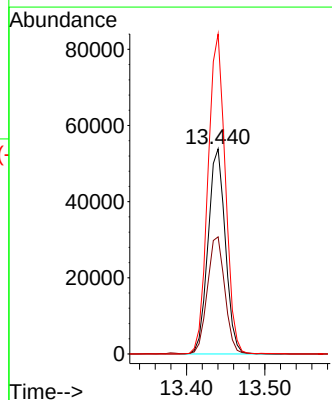
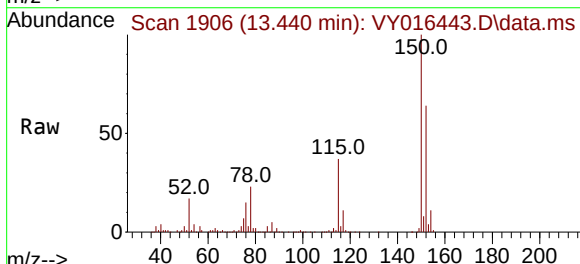
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-11202023

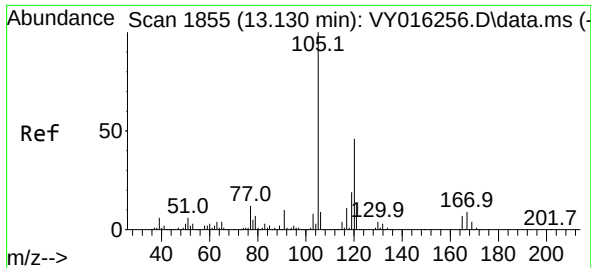
Tgt Ion:106 Resp: 6452
Ion Ratio Lower Upper
106 100
91 209.1 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016443.D
Acq: 21 Nov 2023 17:21

Tgt Ion:152 Resp: 82463
Ion Ratio Lower Upper
152 100
115 57.8 28.8 86.5
150 156.2 0.0 348.8





#84
 1,2,4-Trimethylbenzene
 Concen: 2.123 ug/l
 RT: 13.135 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY016443.D
 Acq: 21 Nov 2023 17:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-11202023

Tgt Ion:105 Resp: 11255
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.2 66.6

