

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016784.D
 Acq On : 22 Dec 2023 03:01
 Operator : SY/MD
 Sample : 05876-12
 Misc : 3.85g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COLX6

Quant Time: Dec 22 03:18:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

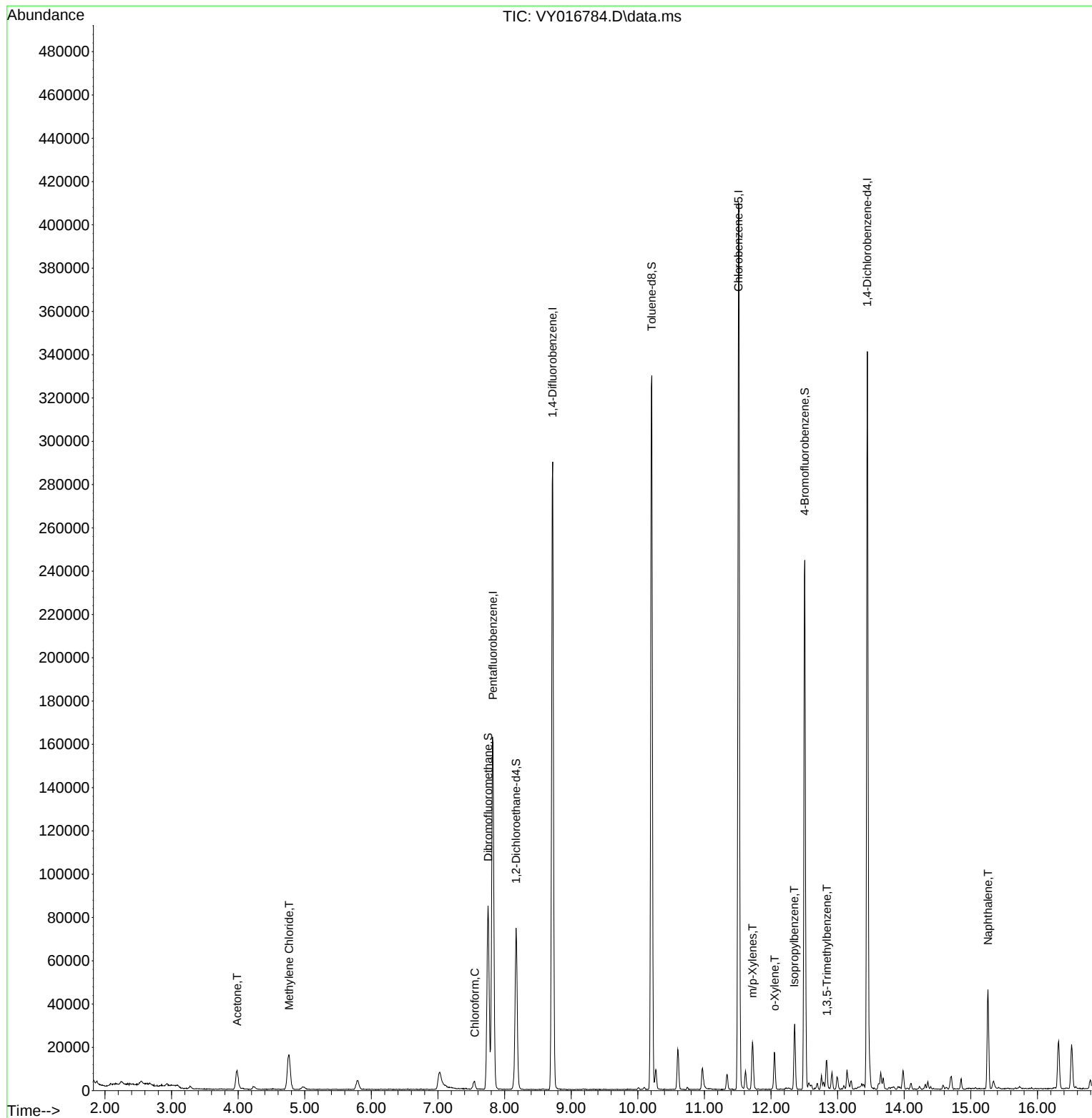
Internal Standards						
1) Pentafluorobenzene	7.826	168	123671	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	248769	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	224330	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	83415	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	56761	50.276	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.560%	
35) Dibromofluoromethane	7.752	113	61979	43.494	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 86.980%	
50) Toluene-d8	10.209	98	219927	42.812	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	= 85.620%	
62) 4-Bromofluorobenzene	12.508	95	71495	42.899	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.800%	
Target Compounds						Qvalue
16) Acetone	3.985	43	15914	52.127	ug/l	99
20) Methylene Chloride	4.765	84	13192	5.707	ug/l	94
30) Chloroform	7.551	83	3735	1.501	ug/l	84
68) m/p-Xylenes	11.721	106	6724	2.245	ug/l	99
69) o-Xylene	12.057	106	4607	1.676	ug/l	96
73) Isopropylbenzene	12.349	105	11965	1.842	ug/l	97
80) 1,3,5-Trimethylbenzene	12.837	105	5946	1.156	ug/l	99
95) Naphthalene	15.257	128	37605	16.544	ug/l	99

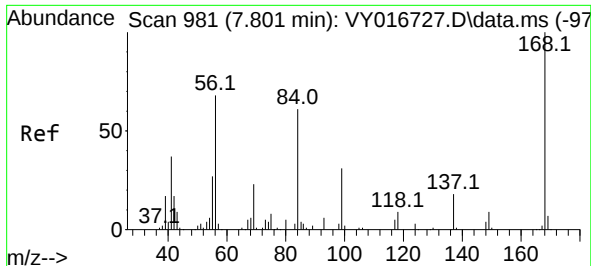
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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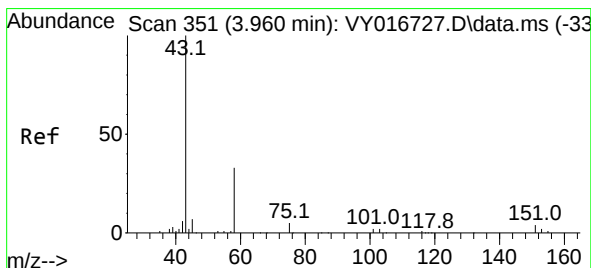
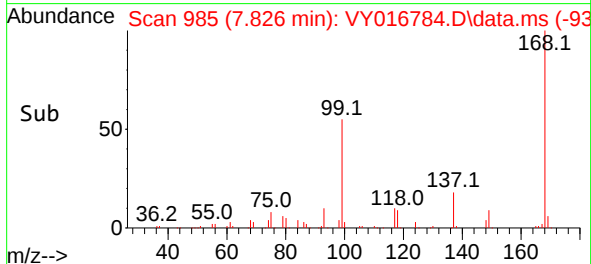
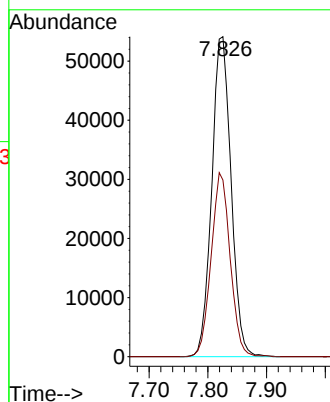
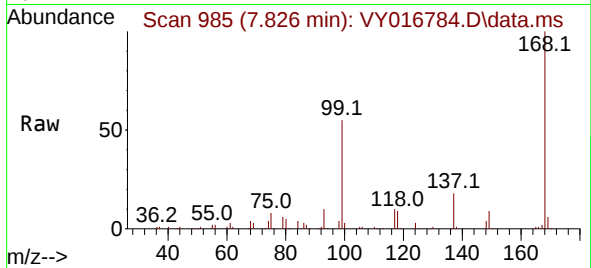




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

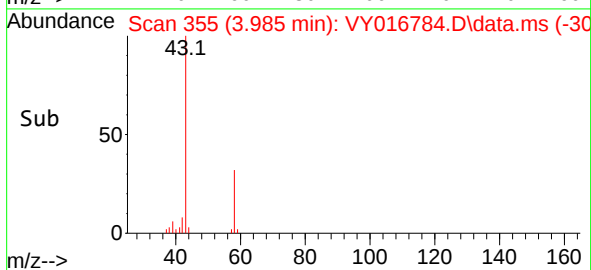
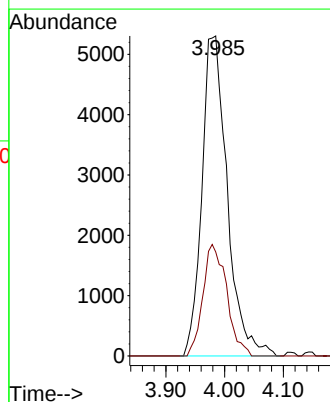
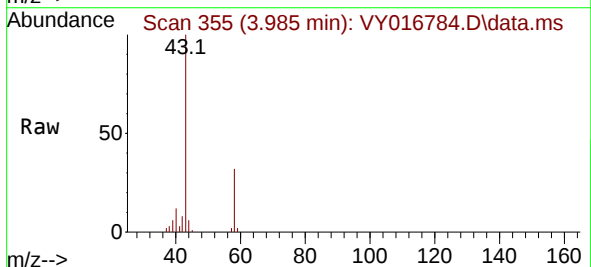
Instrument :
MSVOA_Y
ClientSampleId :
COLX6

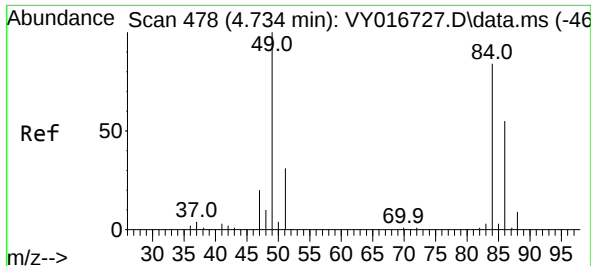
Tgt Ion:168 Resp: 123671
Ion Ratio Lower Upper
168 100
99 55.2 44.2 66.4



#16
Acetone
Concen: 52.127 ug/l
RT: 3.985 min Scan# 355
Delta R.T. 0.025 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

Tgt Ion: 43 Resp: 15914
Ion Ratio Lower Upper
43 100
58 32.5 26.6 39.8

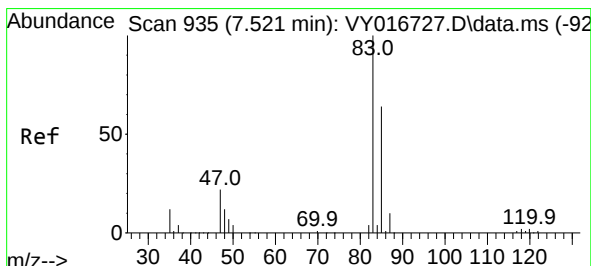
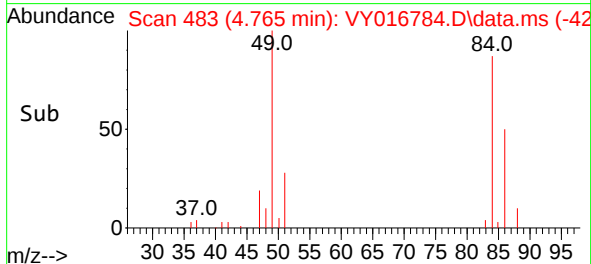
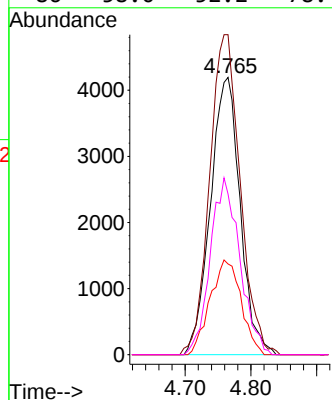
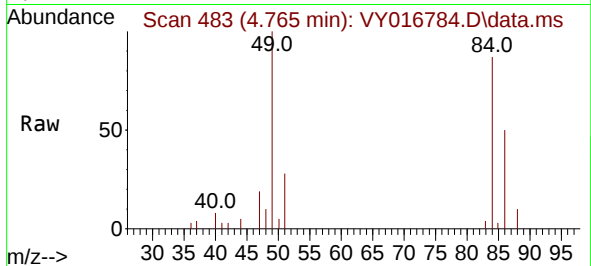




#20
Methylene Chloride
Concen: 5.707 ug/l
RT: 4.765 min Scan# 41
Delta R.T. 0.031 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

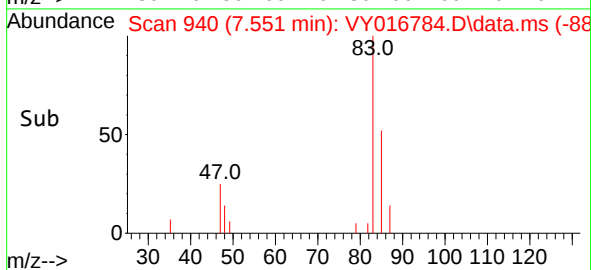
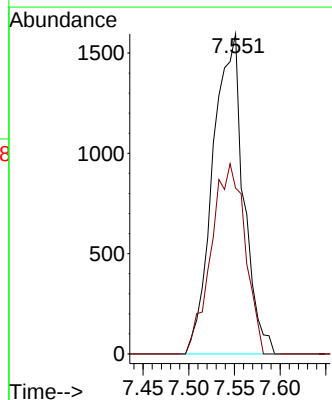
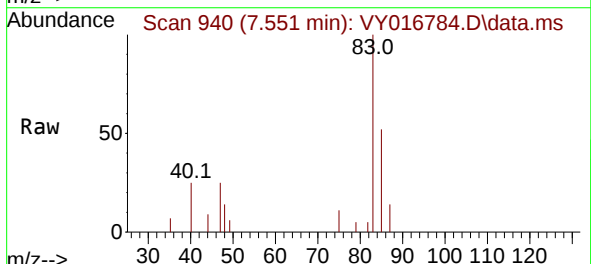
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MSVOA_Y
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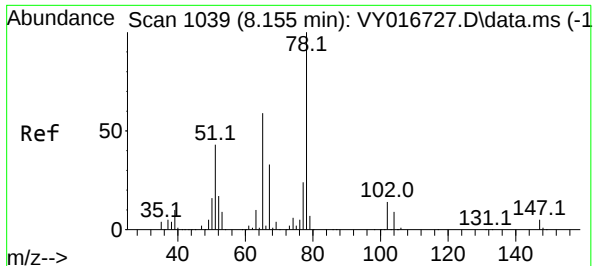
Tgt Ion:	84	Resp:	13192
Ion	Ratio	Lower	Upper
84	100		
49	115.4	95.2	142.8
51	32.7	29.9	44.9
86	58.0	52.2	78.4



#30
Chloroform
Concen: 1.501 ug/l
RT: 7.551 min Scan# 940
Delta R.T. 0.031 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

Tgt Ion:	83	Resp:	3735
Ion	Ratio	Lower	Upper
83	100		
85	51.8	51.2	76.8





#33

1,2-Dichloroethane-d4

Concen: 50.276 ug/l

RT: 8.173 min Scan# 110

Delta R.T. 0.019 min

Lab File: VY016784.D

Acq: 22 Dec 2023 03:01

Instrument :

MSVOA_Y

ClientSampleId :

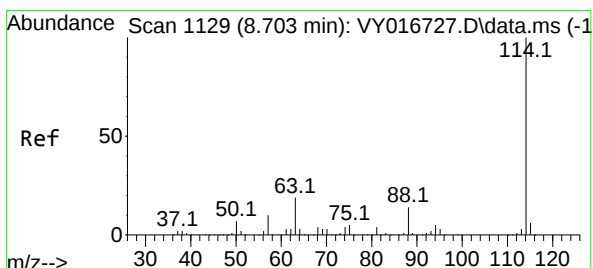
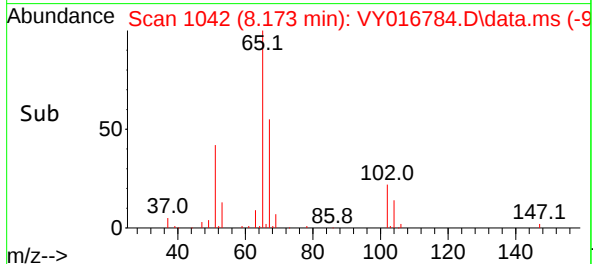
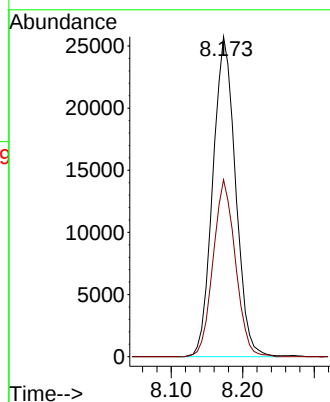
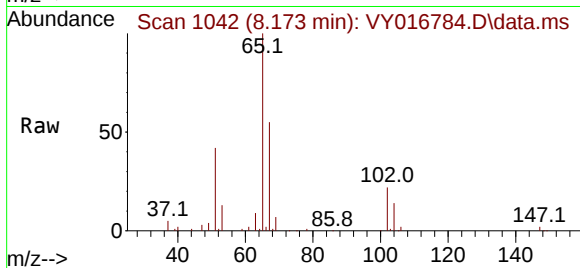
COLX6

Tgt Ion: 65 Resp: 56761

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1132

Delta R.T. 0.019 min

Lab File: VY016784.D

Acq: 22 Dec 2023 03:01

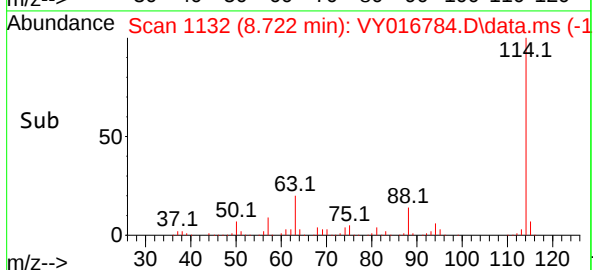
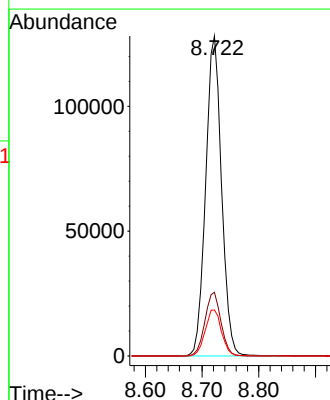
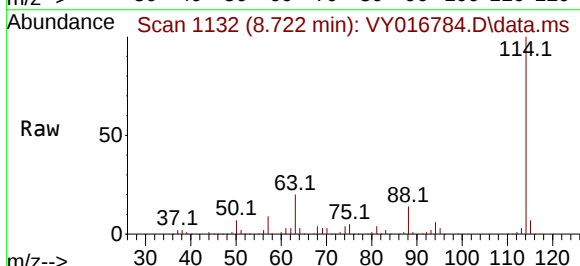
Tgt Ion: 114 Resp: 248769

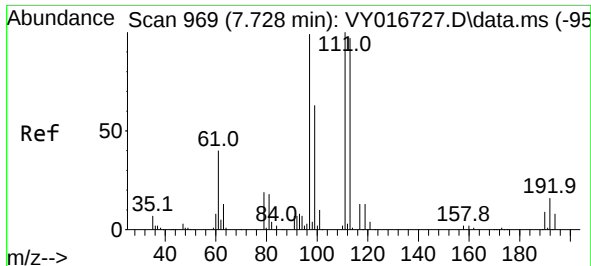
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 14.4 0.0 29.0

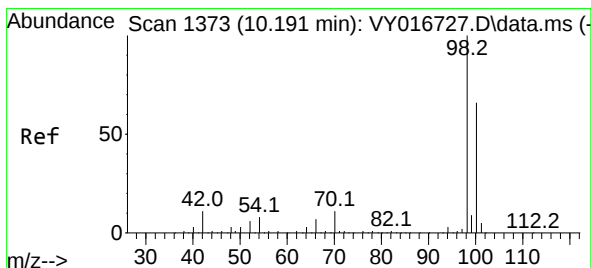
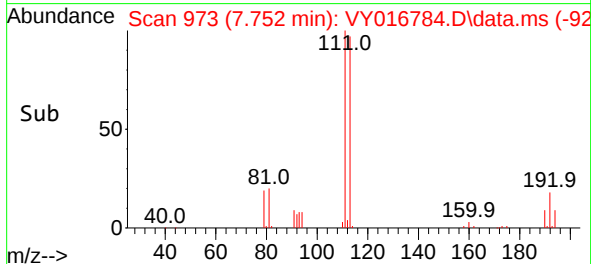
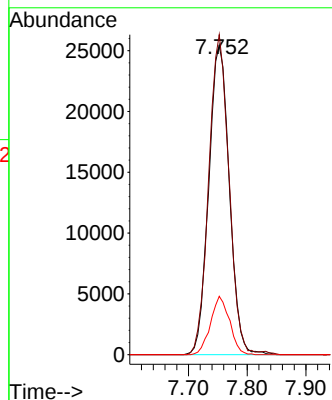
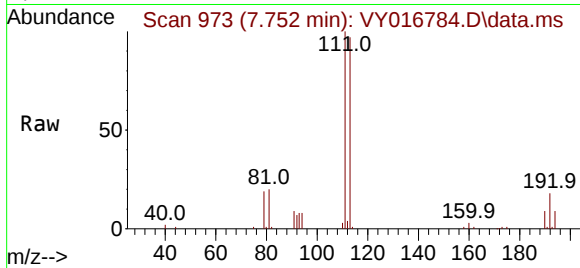




#35
Dibromofluoromethane
Concen: 43.494 ug/l
RT: 7.752 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

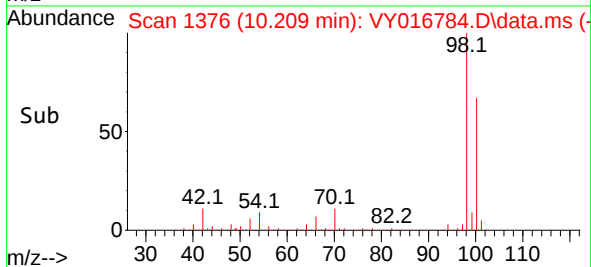
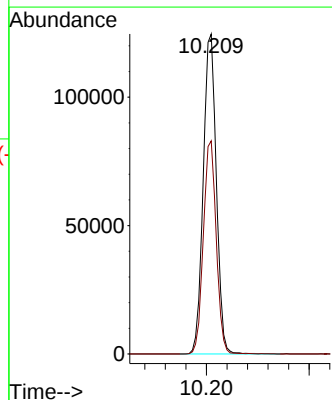
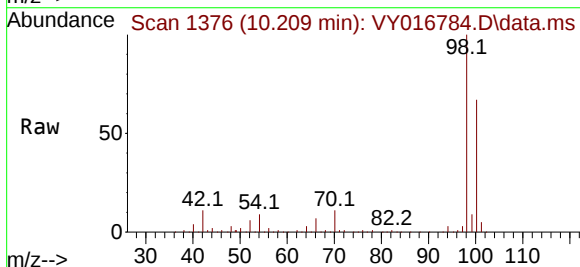
Instrument :
MSVOA_Y
ClientSampleId :
COLX6

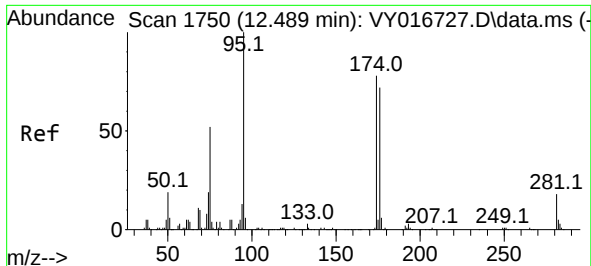
Tgt Ion:113 Resp: 61979
Ion Ratio Lower Upper
113 100
111 101.3 83.8 125.6
192 17.4 14.5 21.7



#50
Toluene-d8
Concen: 42.812 ug/l
RT: 10.209 min Scan# 1376
Delta R.T. 0.019 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

Tgt Ion: 98 Resp: 219927
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5

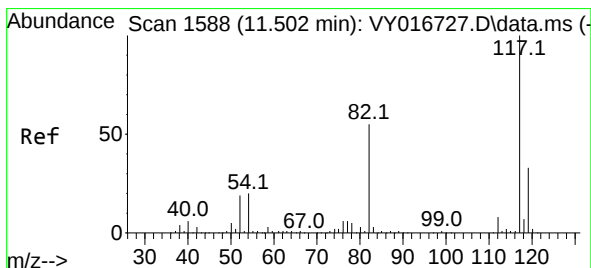
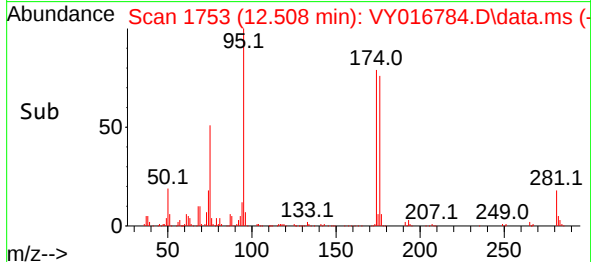
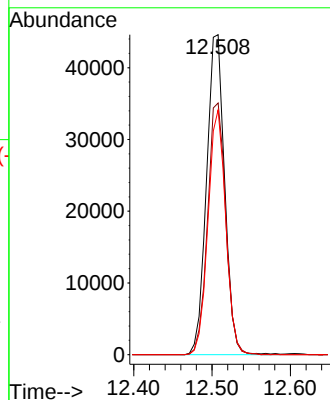
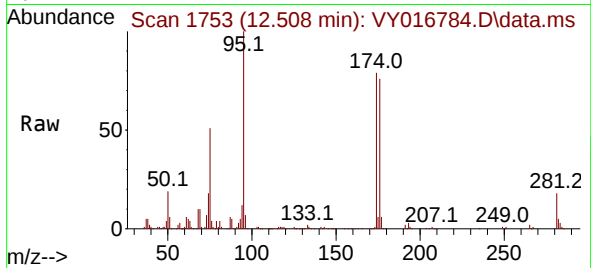




#62
4-Bromofluorobenzene
Concen: 42.899 ug/l
RT: 12.508 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

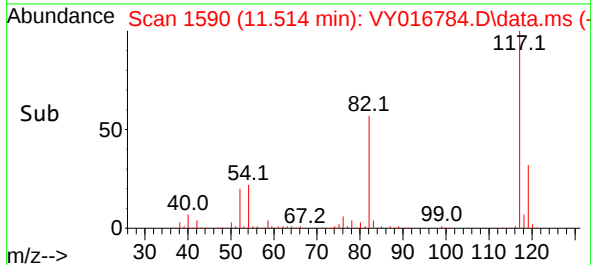
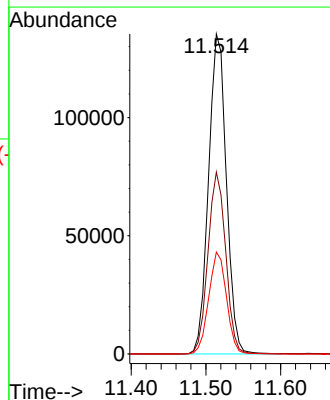
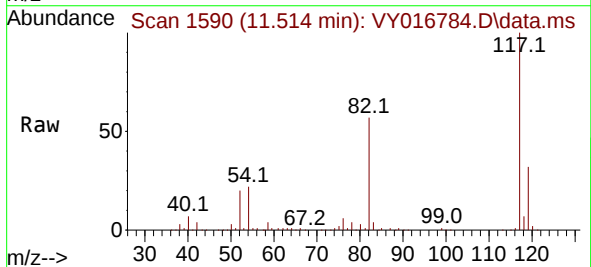
Instrument :
MSVOA_Y
ClientSampleId :
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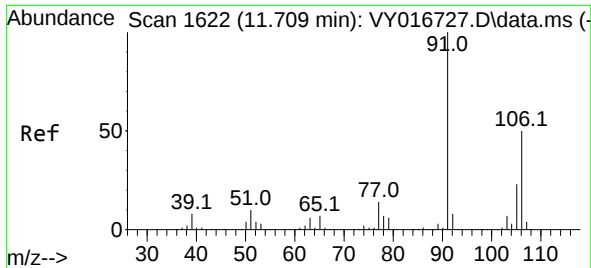
Tgt Ion: 95 Resp: 71495
Ion Ratio Lower Upper
95 100
174 78.9 0.0 160.0
176 74.6 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

Tgt Ion: 117 Resp: 224330
Ion Ratio Lower Upper
117 100
82 56.8 43.8 65.8
119 31.8 26.5 39.7

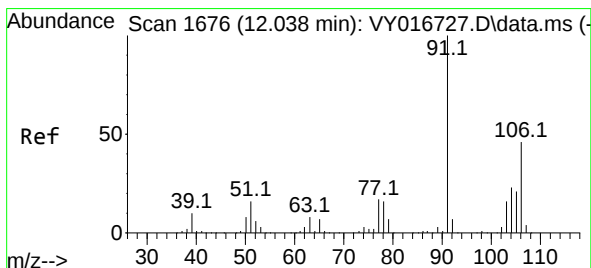
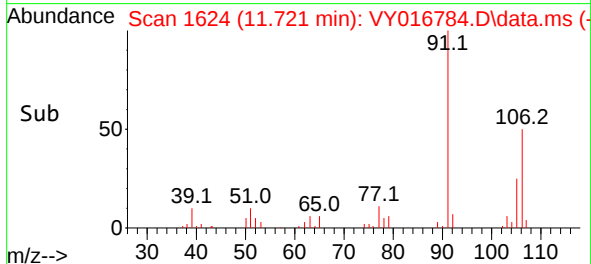
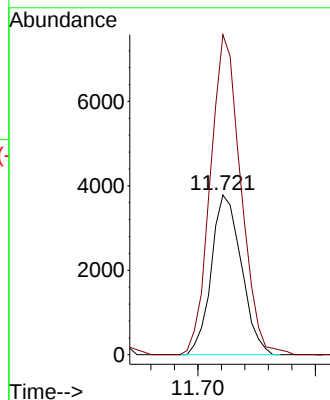
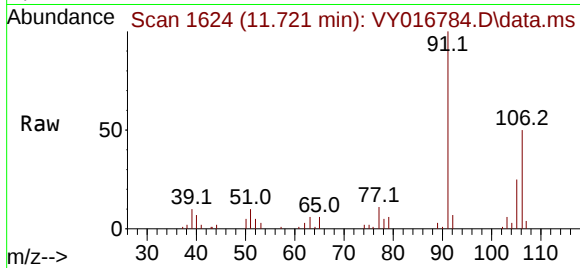




#68
m/p-Xylenes
Concen: 2.245 ug/l
RT: 11.721 min Scan# 1624
Delta R.T. 0.012 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

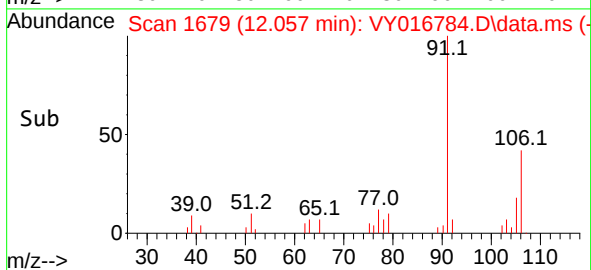
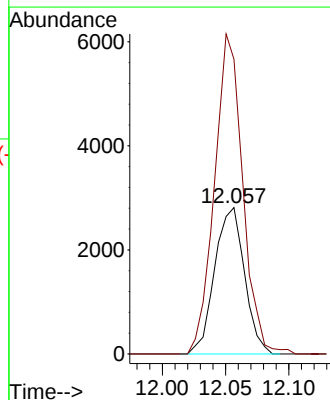
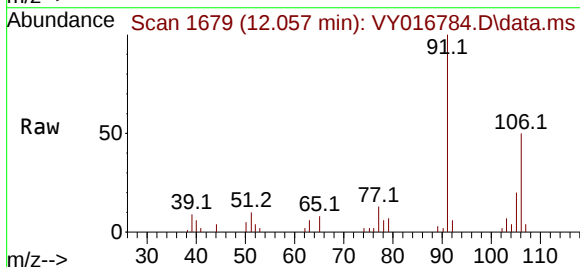
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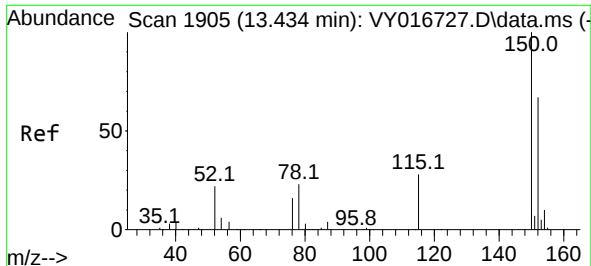
Tgt Ion:106 Resp: 6724
Ion Ratio Lower Upper
106 100
91 203.1 160.7 241.1



#69
o-Xylene
Concen: 1.676 ug/l
RT: 12.057 min Scan# 1679
Delta R.T. 0.019 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

Tgt Ion:106 Resp: 4607
Ion Ratio Lower Upper
106 100
91 207.4 106.5 319.5

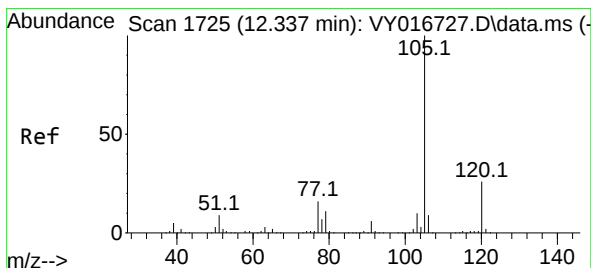
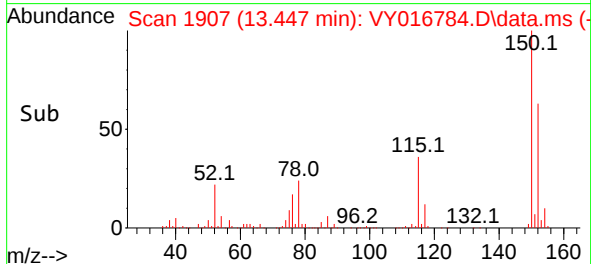
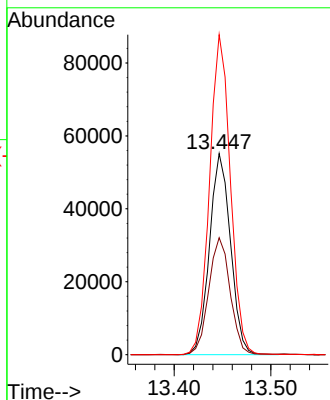
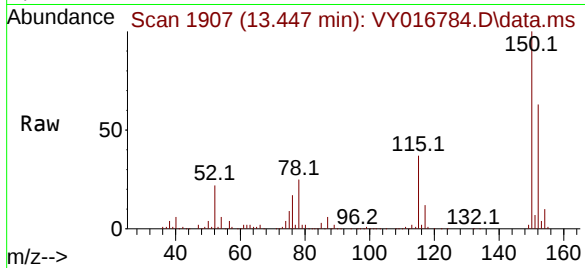




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.447 min Scan# 1905
Delta R.T. 0.012 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

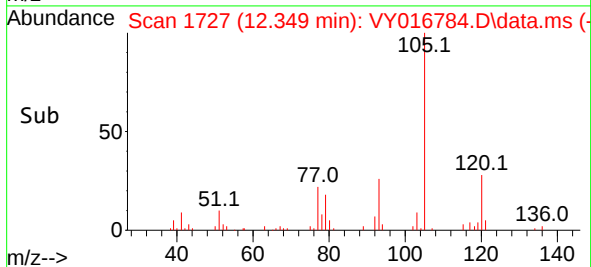
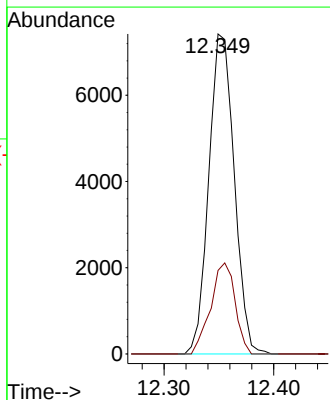
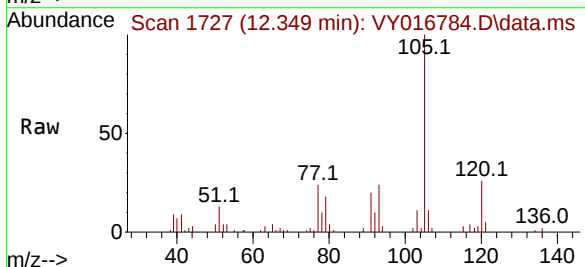
Instrument :
MSVOA_Y
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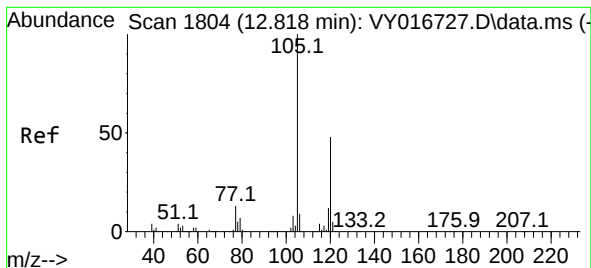
Tgt Ion:152 Resp: 83415
Ion Ratio Lower Upper
152 100
115 59.3 30.0 90.0
150 157.4 0.0 344.6



#73
Isopropylbenzene
Concen: 1.842 ug/l
RT: 12.349 min Scan# 1727
Delta R.T. 0.012 min
Lab File: VY016784.D
Acq: 22 Dec 2023 03:01

Tgt Ion:105 Resp: 11965
Ion Ratio Lower Upper
105 100
120 27.3 13.0 39.0





#80

1,3,5-Trimethylbenzene

Concen: 1.156 ug/l

RT: 12.837 min Scan# 11

Delta R.T. 0.019 min

Lab File: VY016784.D

Acq: 22 Dec 2023 03:01

Instrument :

MSVOA_Y

ClientSampleId :

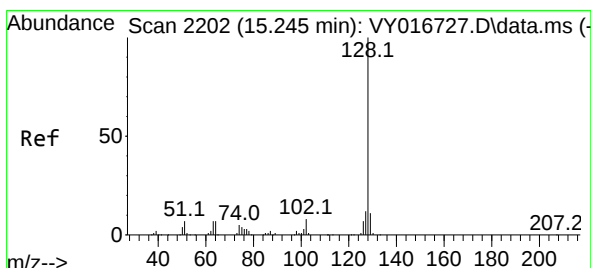
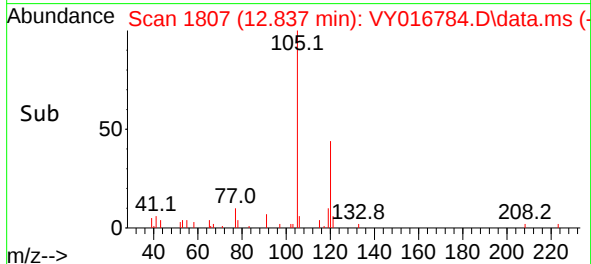
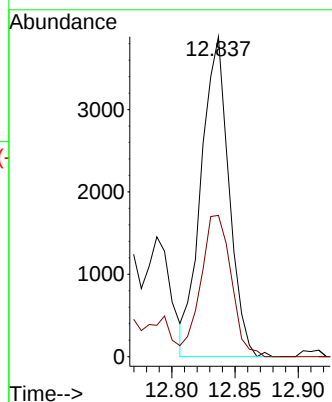
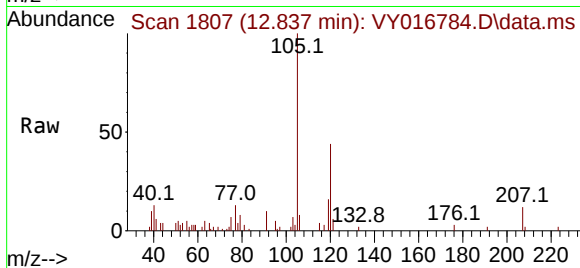
COLX6

Tgt Ion:105 Resp: 5946

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8



#95

Naphthalene

Concen: 16.544 ug/l

RT: 15.257 min Scan# 2204

Delta R.T. 0.012 min

Lab File: VY016784.D

Acq: 22 Dec 2023 03:01

Tgt Ion:128 Resp: 37605

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.3 8.6 12.8

