

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100422\
 Data File : VX031871.D
 Acq On : 04 Oct 2022 15:56
 Operator : JC/MD
 Sample : N4762-04
 Misc : 7.50g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 D22004-(6-6.5)

Quant Time: Oct 05 06:23:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

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

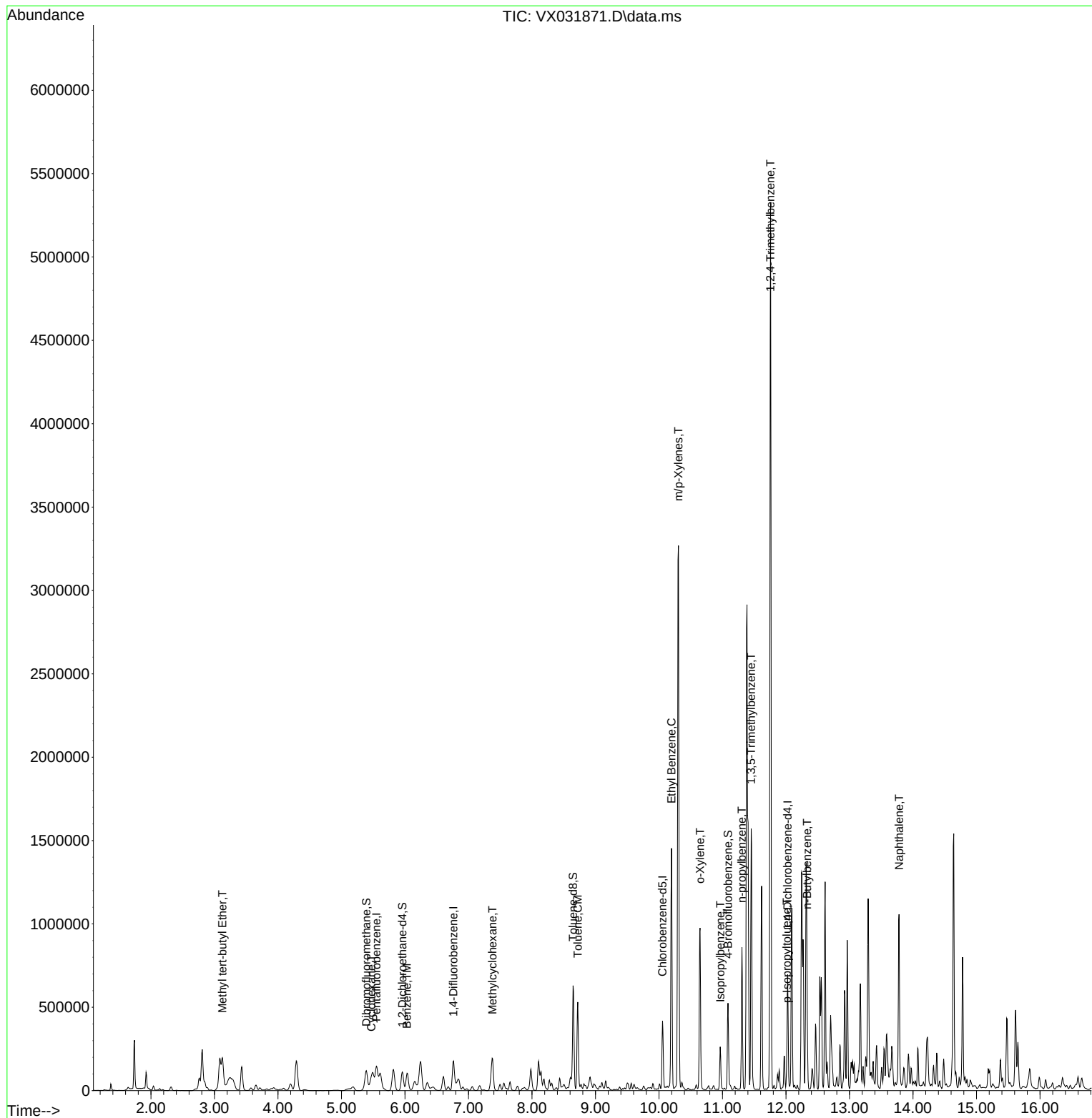
Internal Standards						
1) Pentafluorobenzene	5.550	168	155018	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	209227	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214615	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	106637	38.397	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	76.800%
35) Dibromofluoromethane	5.391	113	104799	42.158	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.320%
50) Toluene-d8	8.647	98	397797	44.733	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.460%
62) 4-Bromofluorobenzene	11.086	95	132532	41.386	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.780%#
Target Compounds						
						Qvalue
19) Methyl tert-butyl Ether	3.124	73	221556	31.415	ug/l	94
31) Cyclohexane	5.471	56	57129	17.272	ug/l	94
39) Methylcyclohexane	7.379	83	93759	24.795	ug/l	86
40) Benzene	6.032	78	137959	15.493	ug/l	98
52) Toluene	8.720	92	214361	34.339	ug/l	98
67) Ethyl Benzene	10.195	91	848907	79.250	ug/l	94
68) m/p-Xylenes	10.305	106	876310	198.157	ug/l	90
69) o-Xylene	10.647	106	251219	58.965	ug/l	89
73) Isopropylbenzene	10.964	105	138648	12.854	ug/l	97
78) n-propylbenzene	11.305	91	516391	43.801	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	715379	79.424	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	2352616	262.439	ug/l	93
86) p-Isopropyltoluene	12.012	119	34682	3.626	ug/l	97
89) n-Butylbenzene	12.329	91	199796	26.446	ug/l	# 14
95) Naphthalene	13.780	128	701233	68.421	ug/l	99

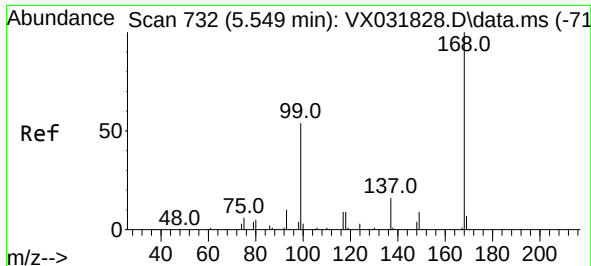
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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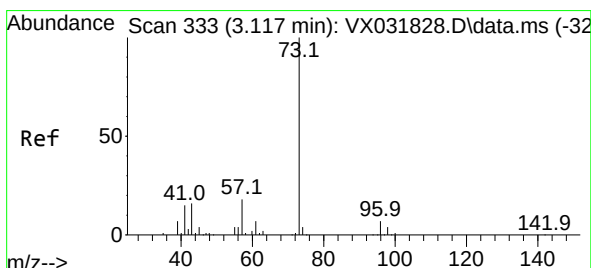
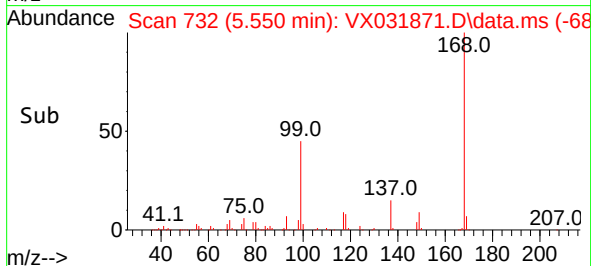
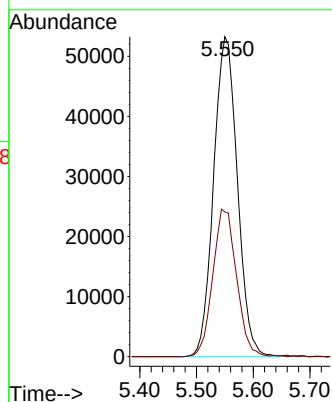
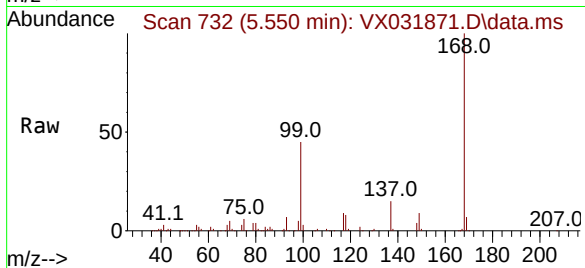




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

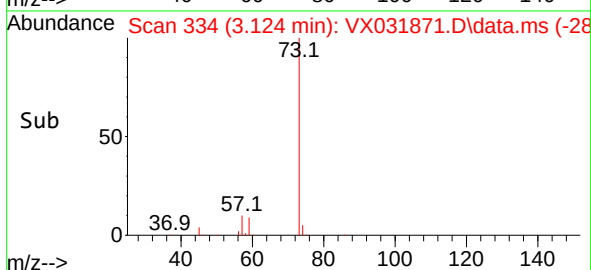
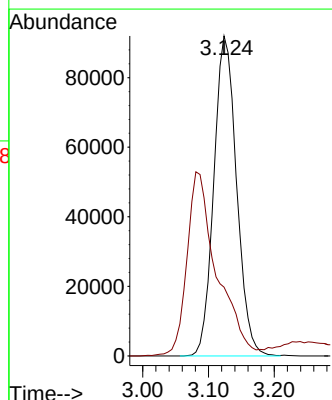
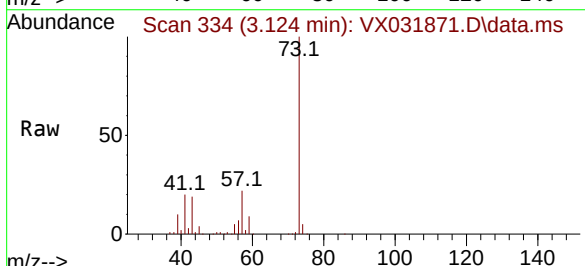
Instrument :
MSVOA_X
ClientSampleId :
D22004-(6-6.5)

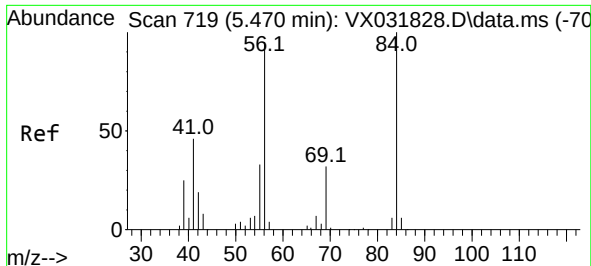
Tgt Ion:168 Resp: 155018
Ion Ratio Lower Upper
168 100
99 45.3 48.8 73.2#



#19
Methyl tert-butyl Ether
Concen: 31.415 ug/l
RT: 3.124 min Scan# 334
Delta R.T. 0.013 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

Tgt Ion: 73 Resp: 221556
Ion Ratio Lower Upper
73 100
57 18.6 17.2 25.8

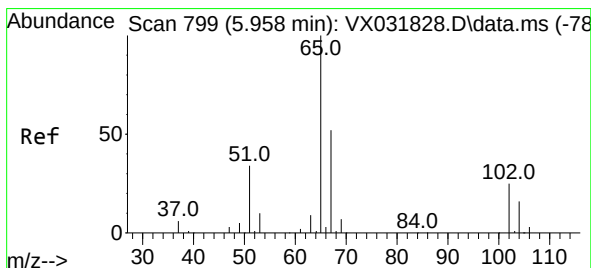
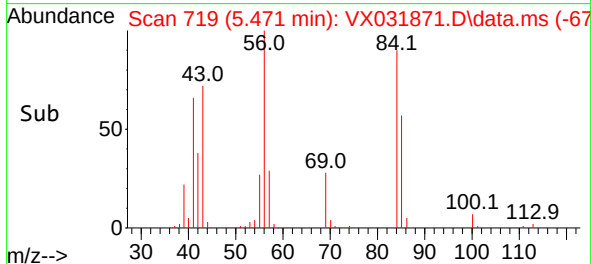
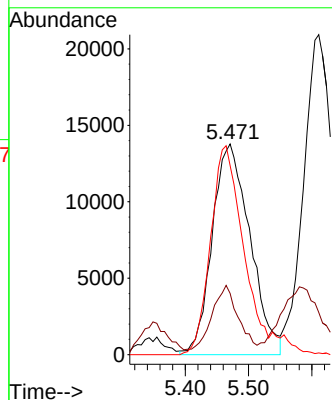
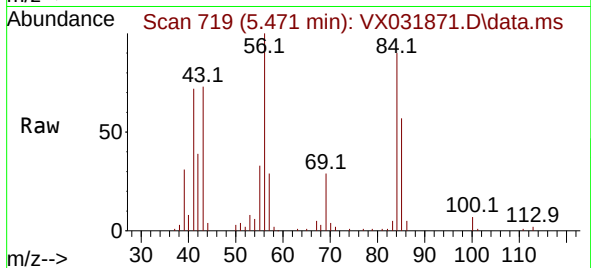




#31
Cyclohexane
Concen: 17.272 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.001 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

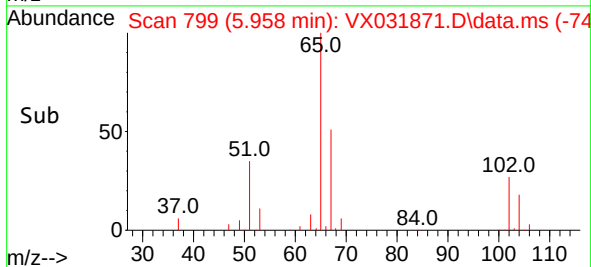
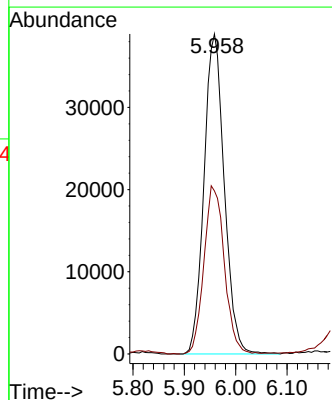
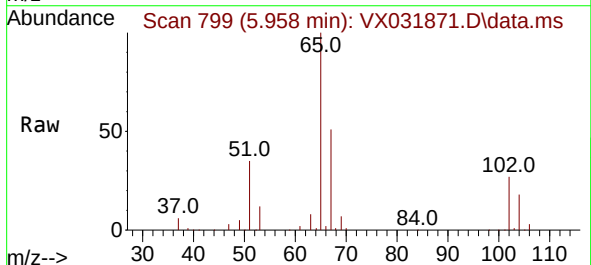
Instrument :
MSVOA_X
ClientSampleId :
D22004-(6-6.5)

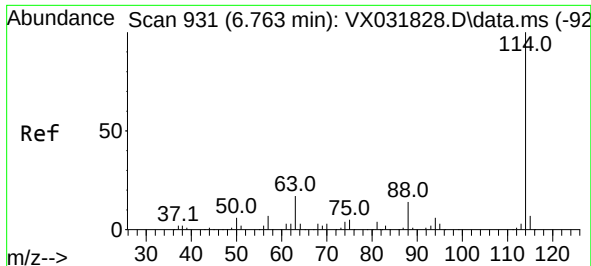
Tgt Ion: 56 Resp: 57129
Ion Ratio Lower Upper
56 100
69 25.6 25.1 37.7
84 91.3 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 38.397 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

Tgt Ion: 65 Resp: 106637
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.4

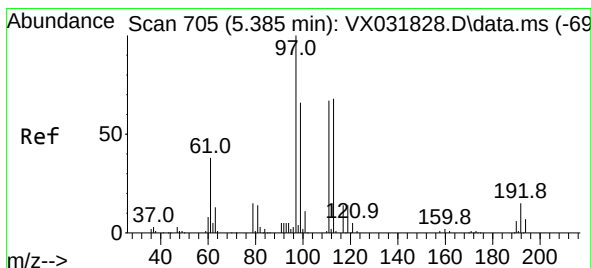
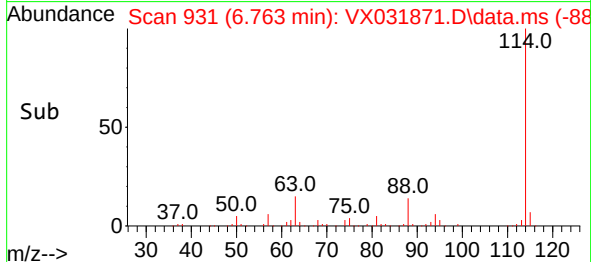
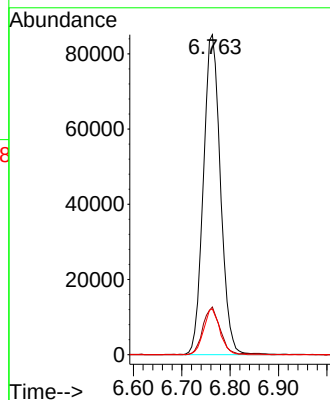
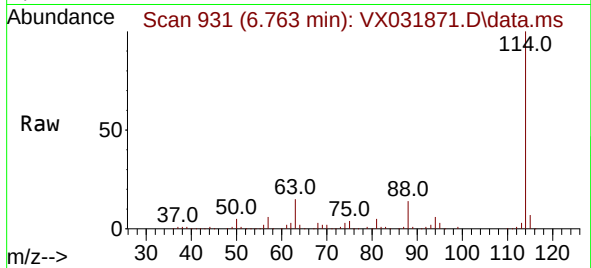




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

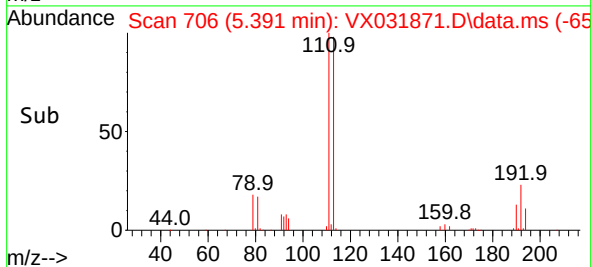
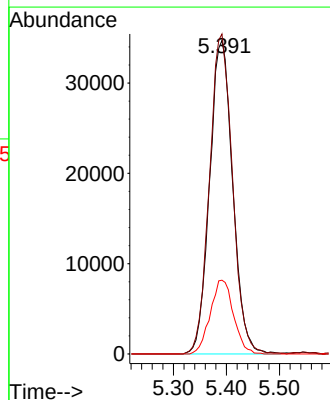
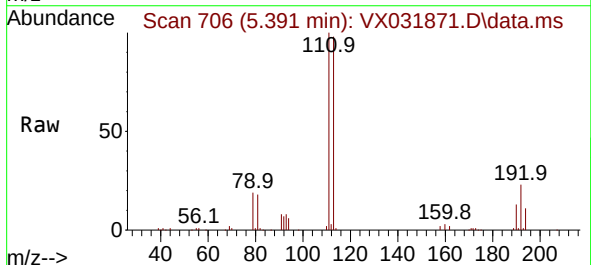
Instrument :
MSVOA_X
ClientSampleId :
D22004-(6-6.5)

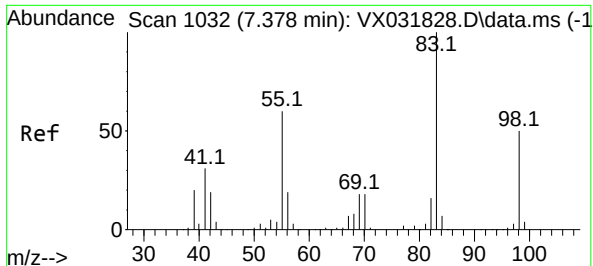
Tgt Ion:114 Resp: 209227
Ion Ratio Lower Upper
114 100
63 14.8 0.0 42.6
88 14.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 42.158 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

Tgt Ion:113 Resp: 104799
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 23.7 14.1 21.1#





#39

Methylcyclohexane

Concen: 24.795 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX031871.D

Acq: 04 Oct 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

D22004-(6-6.5)

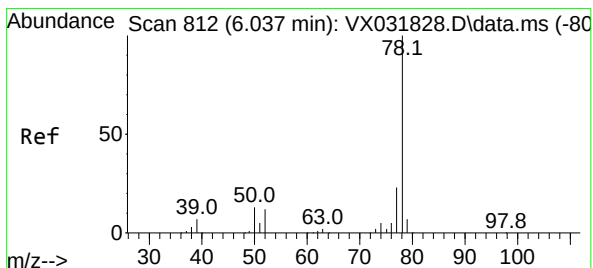
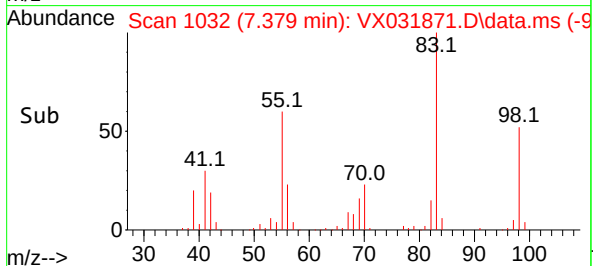
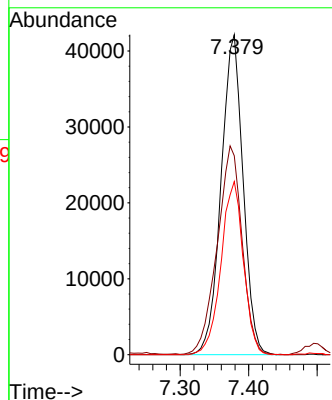
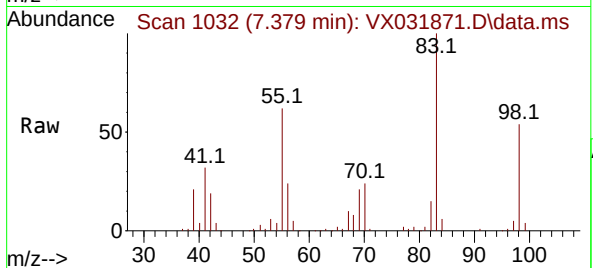
Tgt Ion: 83 Resp: 93759

Ion Ratio Lower Upper

83 100

55 62.0 61.0 91.4

98 54.1 37.7 56.5



#40

Benzene

Concen: 15.493 ug/l

RT: 6.032 min Scan# 811

Delta R.T. -0.005 min

Lab File: VX031871.D

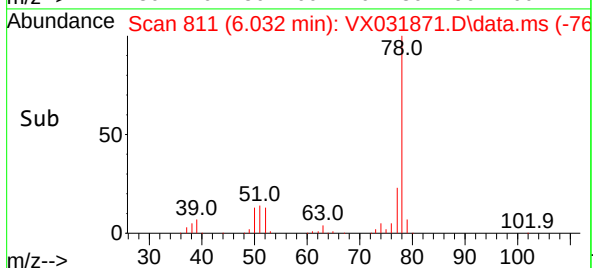
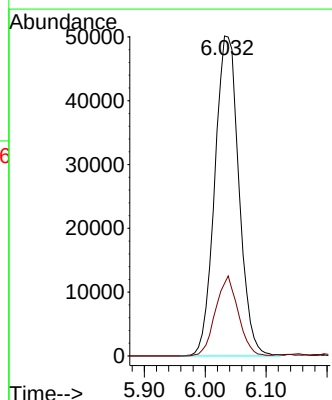
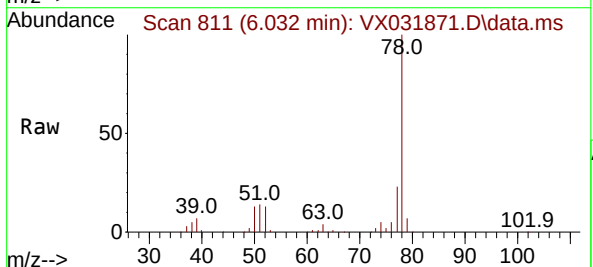
Acq: 04 Oct 2022 15:56

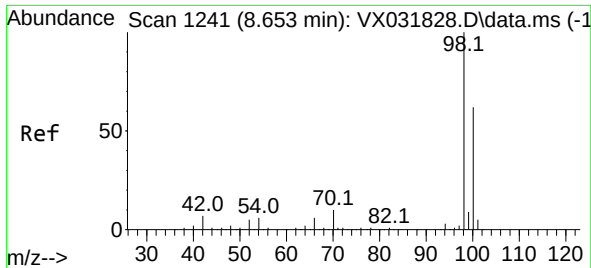
Tgt Ion: 78 Resp: 137959

Ion Ratio Lower Upper

78 100

77 22.6 18.7 28.1

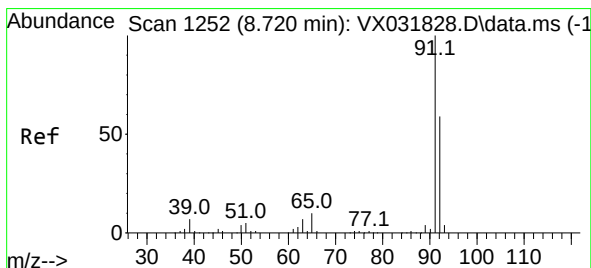
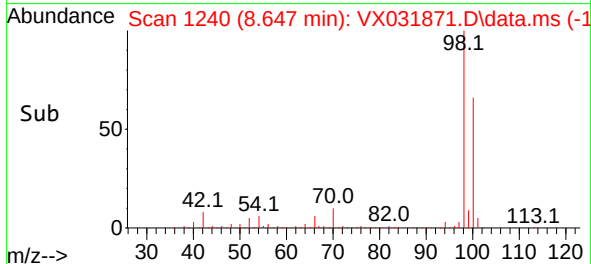
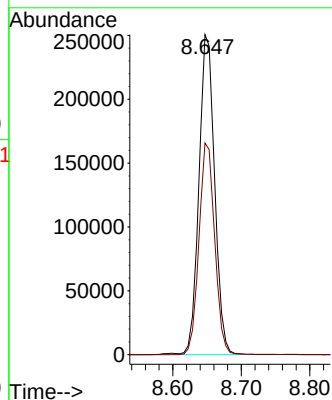
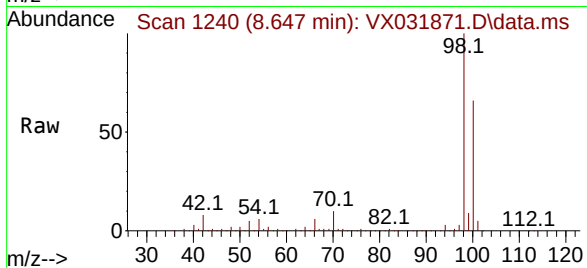




#50
Toluene-d8
Concen: 44.733 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

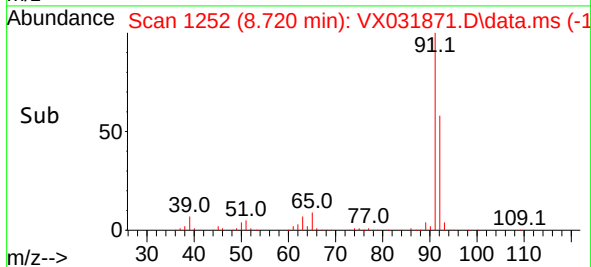
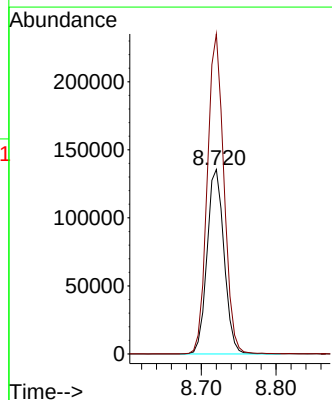
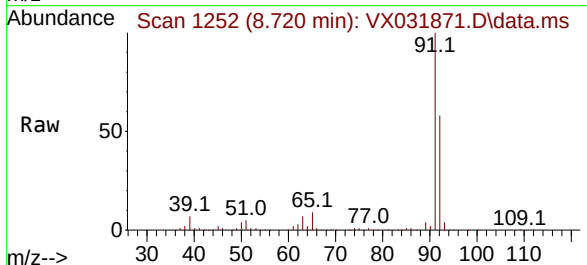
Instrument :
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ClientSampleId :
D22004-(6-6.5)

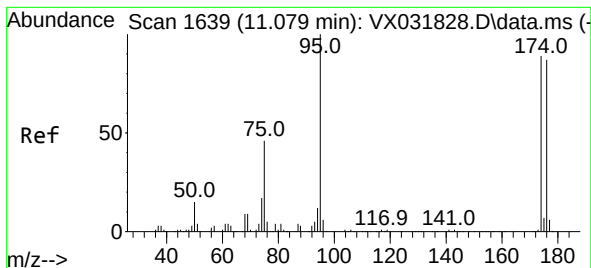
Tgt Ion: 98 Resp: 397797
Ion Ratio Lower Upper
98 100
100 66.6 52.5 78.7



#52
Toluene
Concen: 34.339 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

Tgt Ion: 92 Resp: 214361
Ion Ratio Lower Upper
92 100
91 169.2 137.1 205.7

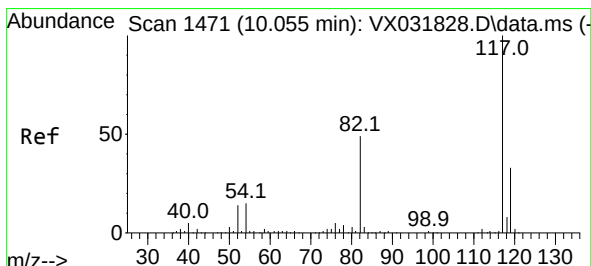
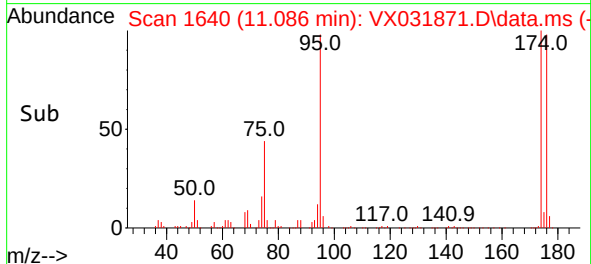
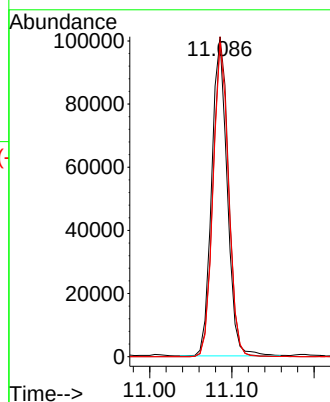
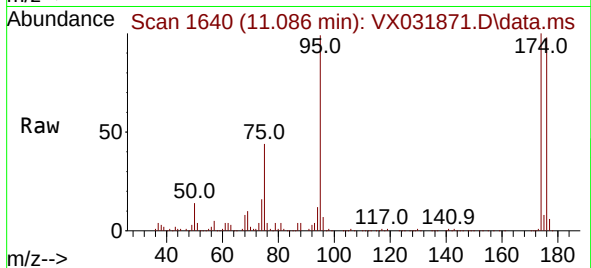




#62
4-Bromofluorobenzene
Concen: 41.386 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.007 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

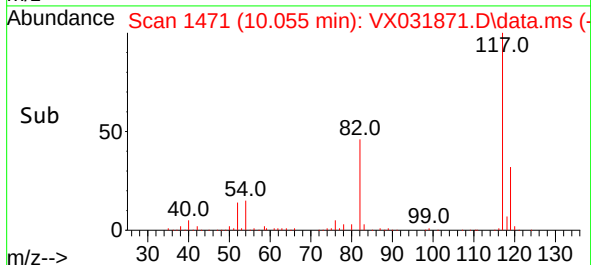
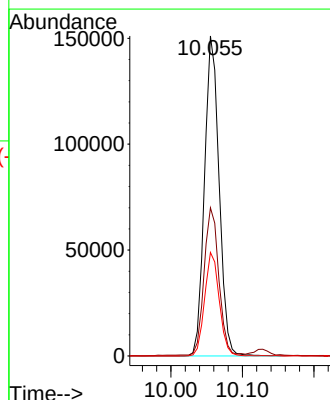
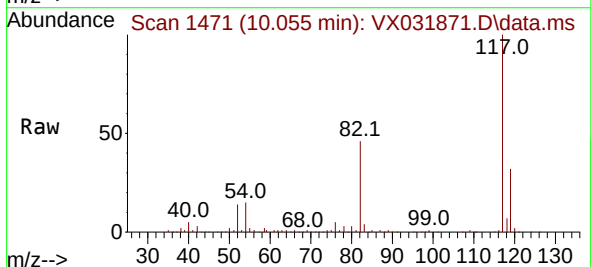
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D22004-(6-6.5)

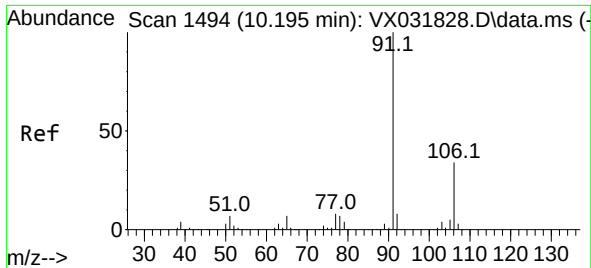
Tgt Ion: 95 Resp: 132532
Ion Ratio Lower Upper
95 100
174 100.2 0.0 153.2
176 97.3 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

Tgt Ion: 117 Resp: 214615
Ion Ratio Lower Upper
117 100
82 46.0 46.8 70.2#
119 32.4 26.4 39.6

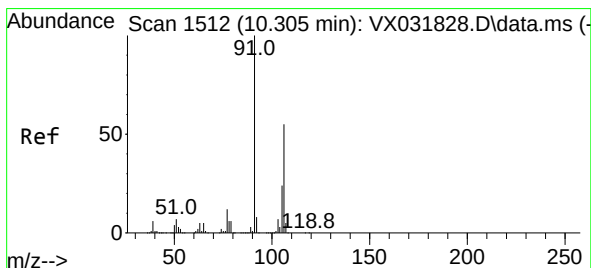
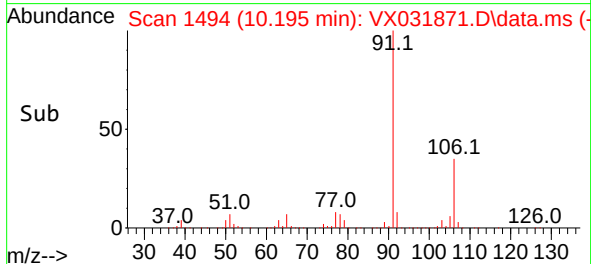
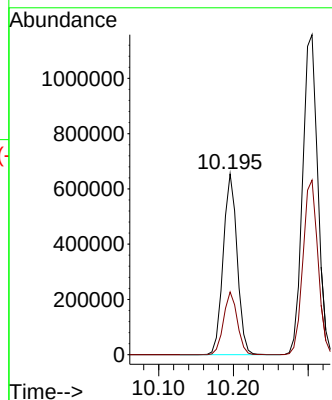
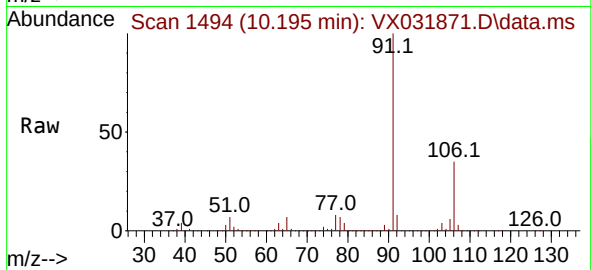




#67
Ethyl Benzene
Concen: 79.250 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

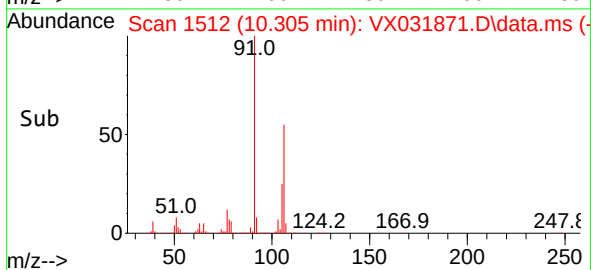
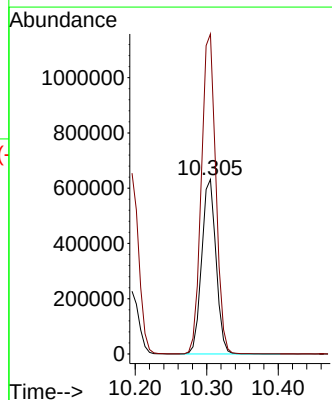
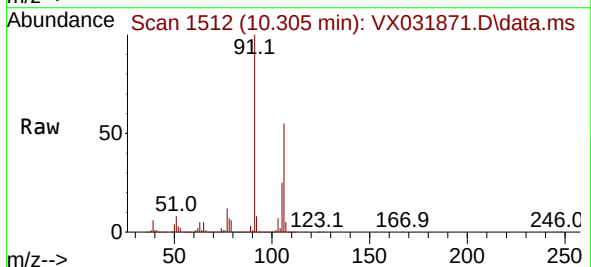
Instrument :
MSVOA_X
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D22004-(6-6.5)

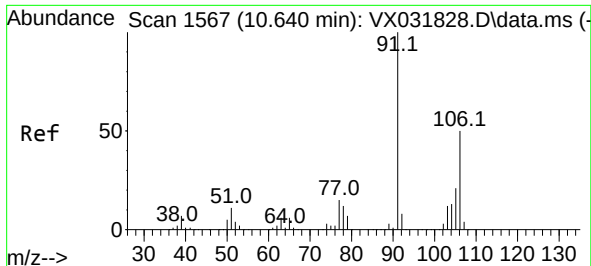
Tgt Ion: 91 Resp: 848907
Ion Ratio Lower Upper
91 100
106 34.7 25.2 37.8



#68
m/p-Xylenes
Concen: 198.157 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

Tgt Ion: 106 Resp: 876310
Ion Ratio Lower Upper
106 100
91 185.4 161.0 241.4

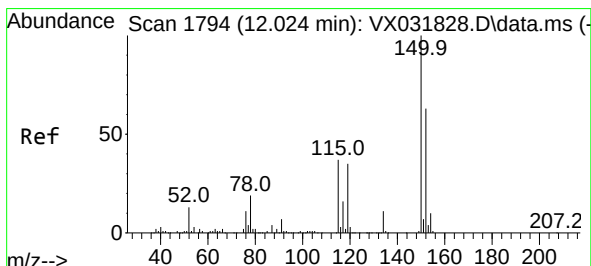
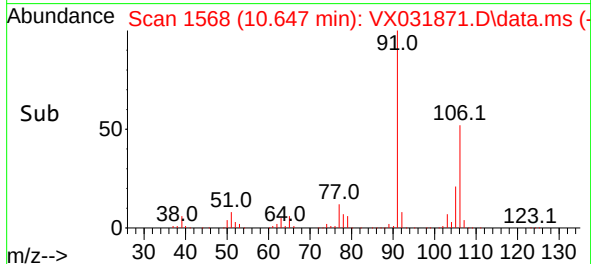
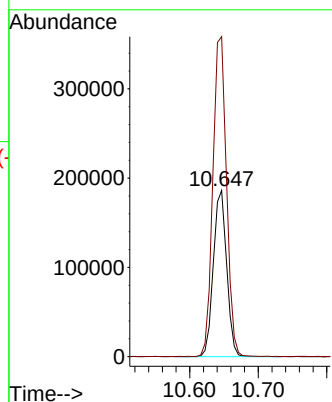
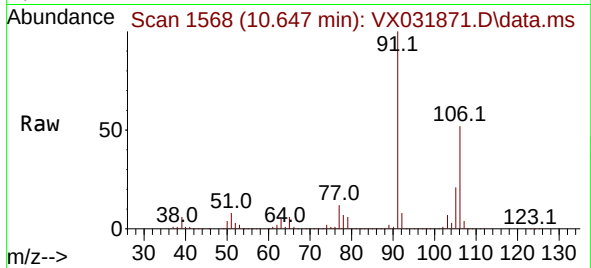




#69
o-Xylene
Concen: 58.965 ug/l
RT: 10.647 min Scan# 1567
Delta R.T. 0.007 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

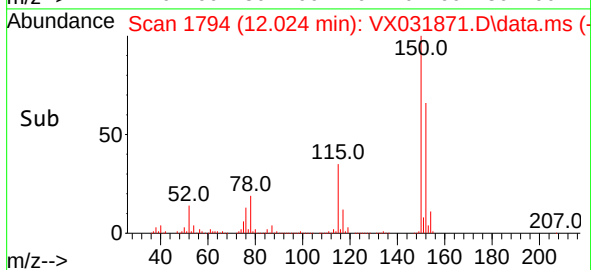
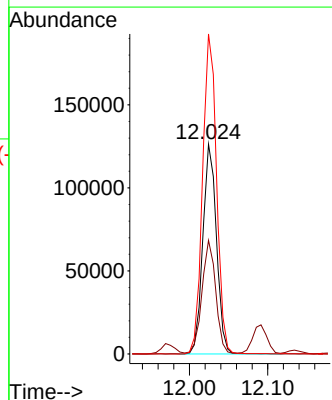
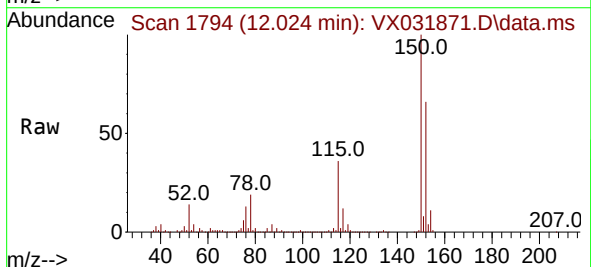
Instrument :
MSVOA_X
ClientSampleId :
D22004-(6-6.5)

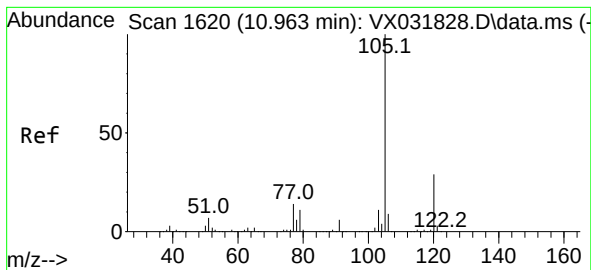
Tgt Ion:106 Resp: 251219
Ion Ratio Lower Upper
106 100
91 197.2 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

Tgt Ion:152 Resp: 152705
Ion Ratio Lower Upper
152 100
115 54.4 43.4 130.1
150 156.3 0.0 346.8





#73

Isopropylbenzene

Concen: 12.854 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.001 min

Lab File: VX031871.D

Acq: 04 Oct 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

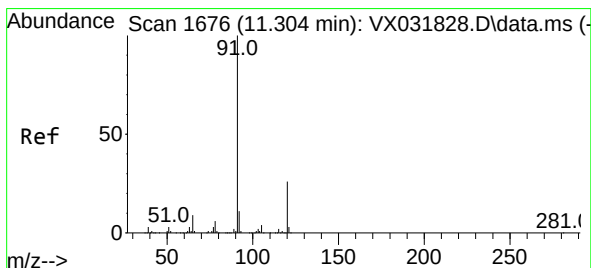
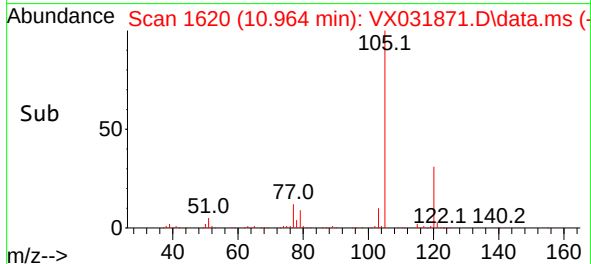
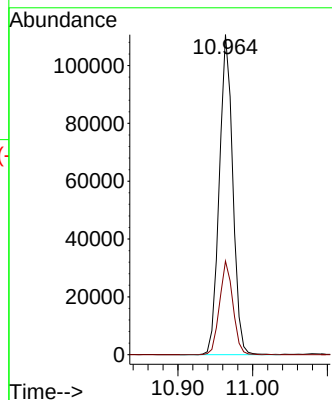
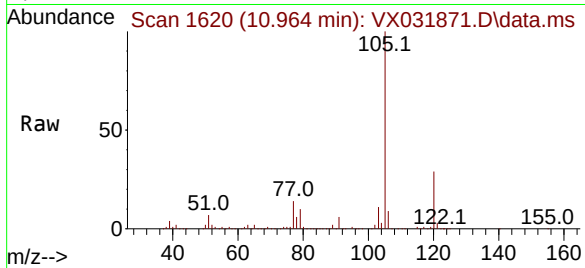
D22004-(6-6.5)

Tgt Ion:105 Resp: 138648

Ion Ratio Lower Upper

105 100

120 28.9 13.7 41.0



#78

n-propylbenzene

Concen: 43.801 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX031871.D

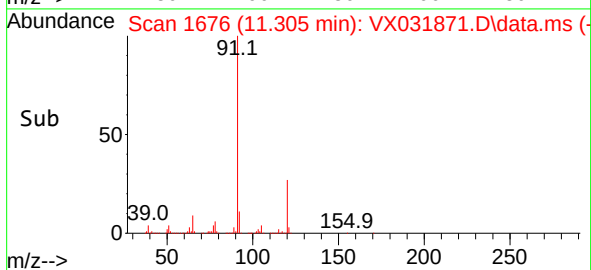
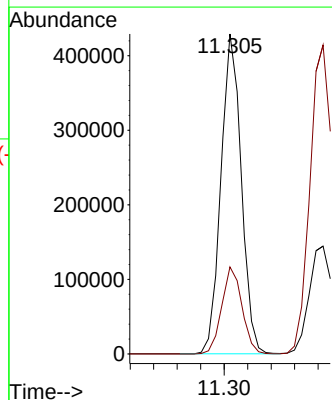
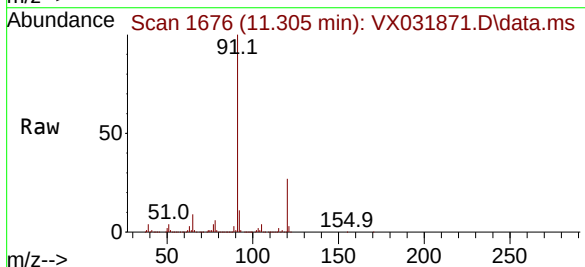
Acq: 04 Oct 2022 15:56

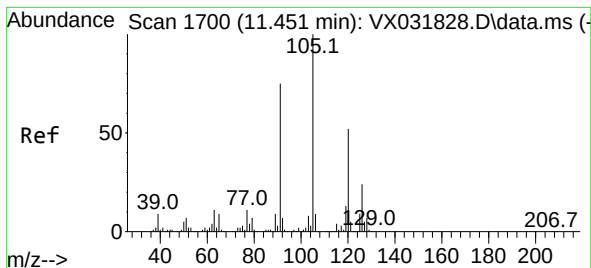
Tgt Ion: 91 Resp: 516391

Ion Ratio Lower Upper

91 100

120 27.1 11.8 35.4





#80

1,3,5-Trimethylbenzene

Concen: 79.424 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX031871.D

Acq: 04 Oct 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

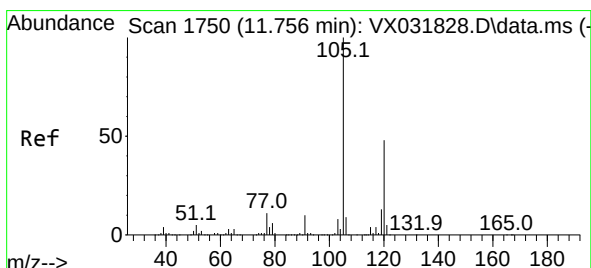
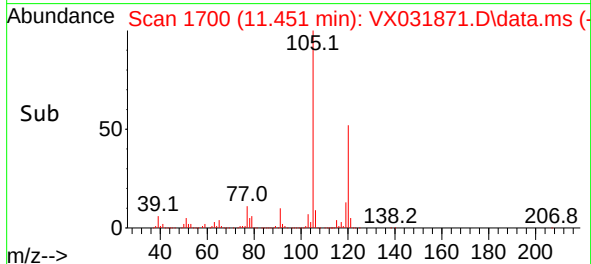
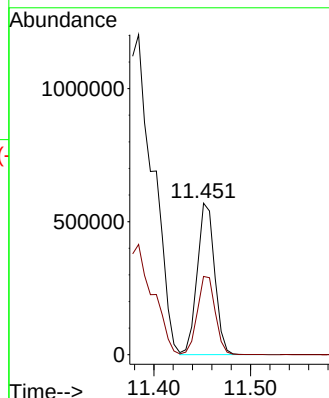
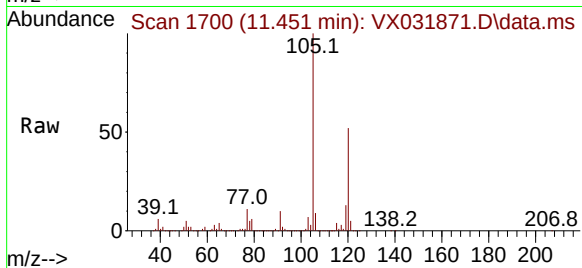
D22004-(6-6.5)

Tgt Ion:105 Resp: 715379

Ion Ratio Lower Upper

105 100

120 52.8 24.5 73.5



#84

1,2,4-Trimethylbenzene

Concen: 262.439 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX031871.D

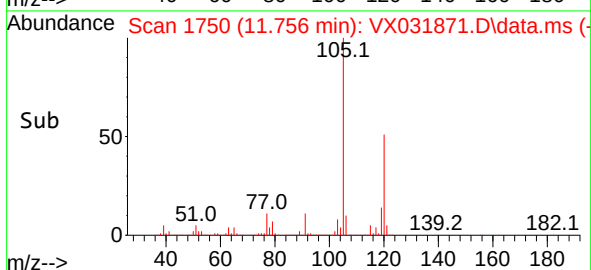
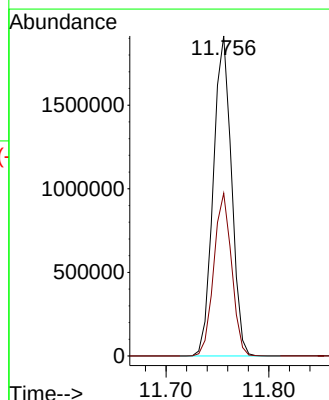
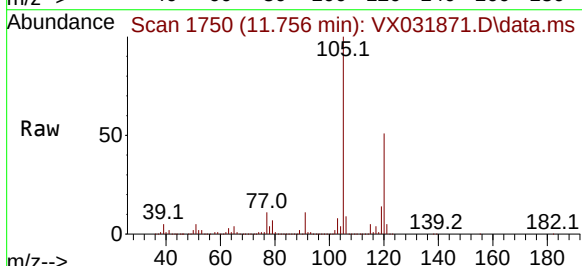
Acq: 04 Oct 2022 15:56

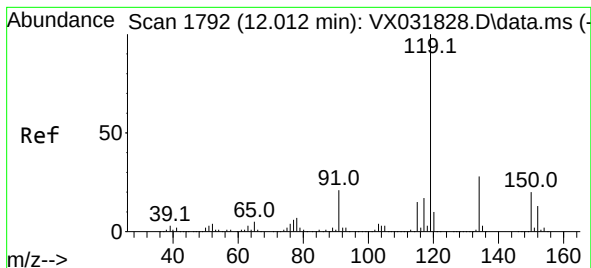
Tgt Ion:105 Resp: 2352616

Ion Ratio Lower Upper

105 100

120 49.8 22.6 67.8





#86

p-Isopropyltoluene

Concen: 3.626 ug/l

RT: 12.012 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031871.D

Acq: 04 Oct 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

D22004-(6-6.5)

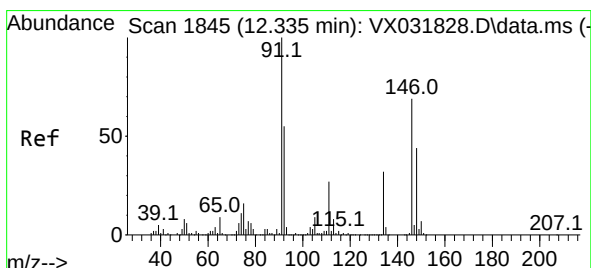
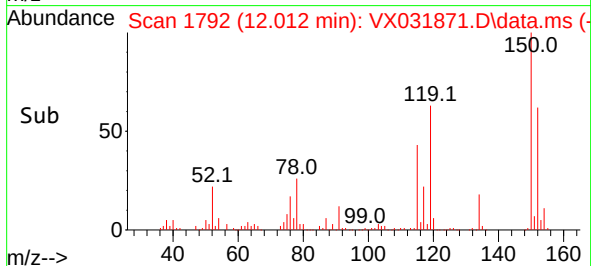
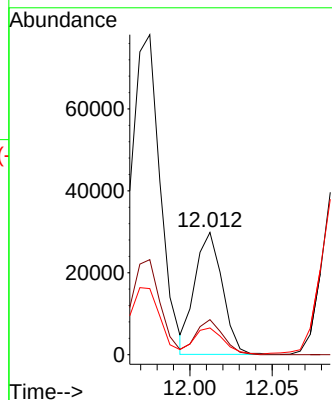
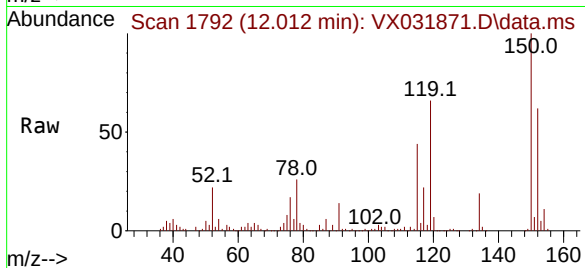
Tgt Ion:119 Resp: 34682

Ion Ratio Lower Upper

119 100

134 28.4 13.4 40.2

91 22.9 12.4 37.2



#89

n-Butylbenzene

Concen: 26.446 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX031871.D

Acq: 04 Oct 2022 15:56

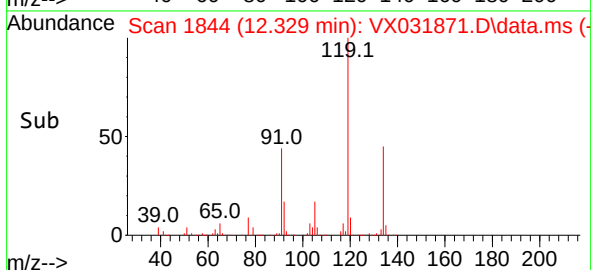
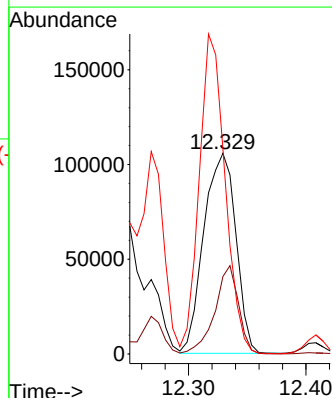
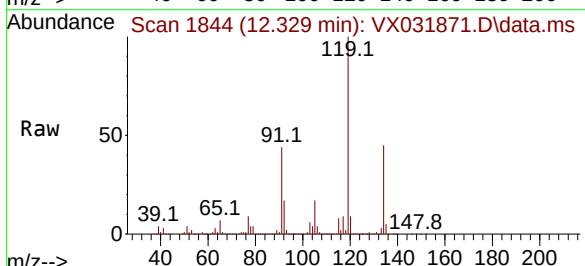
Tgt Ion: 91 Resp: 199796

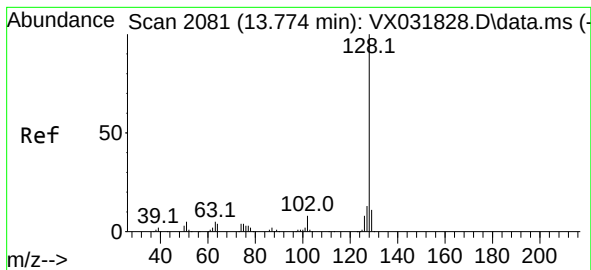
Ion Ratio Lower Upper

91 100

92 32.6 27.0 81.0

134 128.8 13.3 39.9#





#95
Naphthalene
Concen: 68.421 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031871.D
Acq: 04 Oct 2022 15:56

Instrument :
MSVOA_X
ClientSampleId :
D22004-(6-6.5)

Tgt Ion:128 Resp: 701233
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.3 8.8 13.2

