

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
 Data File : VX031657.D
 Acq On : 26 Sep 2022 18:36
 Operator : JC/MD
 Sample : N4614-14DL2 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP091322DL2

Quant Time: Sep 27 01:55:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	45434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	72674	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	75742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51918	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54233	56.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.480%
35) Dibromofluoromethane	5.391	113	41585	48.024	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.040%
50) Toluene-d8	8.653	98	145408	46.318	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.640%
62) 4-Bromofluorobenzene	11.079	95	48726	42.347	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.700%

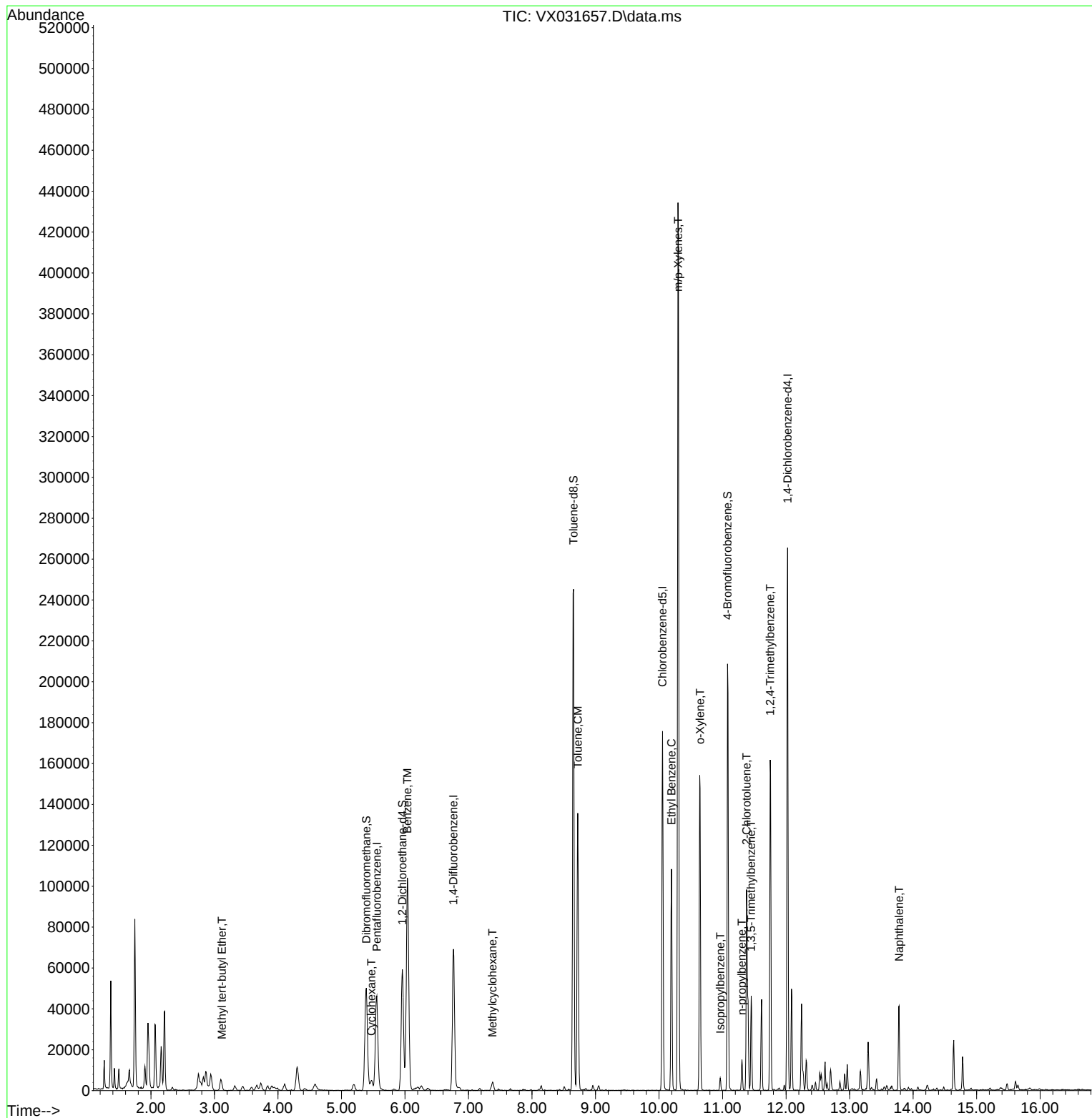
Target Compounds					Qvalue	
19) Methyl tert-butyl Ether	3.117	73	1434	0.669	ug/l #	1
31) Cyclohexane	5.470	56	3192	3.481	ug/l	95
39) Methylcyclohexane	7.379	83	1859	1.641	ug/l	97
40) Benzene	6.037	78	123667	40.490	ug/l	98
52) Toluene	8.720	92	50113	24.614	ug/l	97
67) Ethyl Benzene	10.195	91	61254	17.064	ug/l	99
68) m/p-Xylenes	10.299	106	102159	70.832	ug/l	96
69) o-Xylene	10.646	106	34782	24.673	ug/l	96
73) Isopropylbenzene	10.963	105	3289	0.980	ug/l	97
78) n-propylbenzene	11.305	91	9342	2.500	ug/l	100
79) 2-Chlorotoluene	11.378	91	8436	3.656	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	18869	6.630	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	70296	24.952	ug/l	99
95) Naphthalene	13.780	128	26082	8.058	ug/l	98

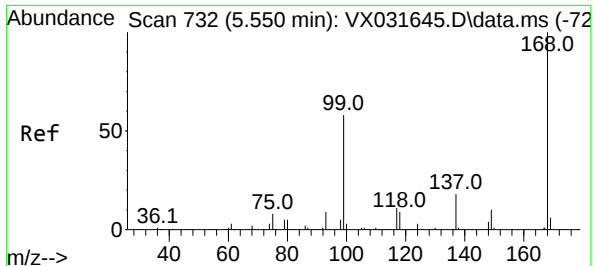
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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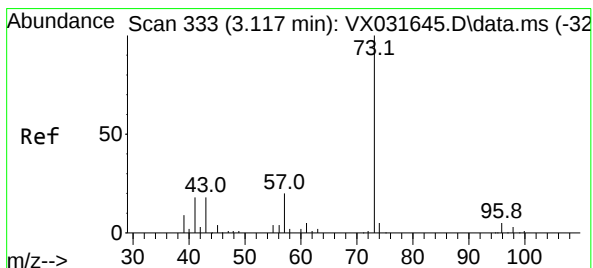
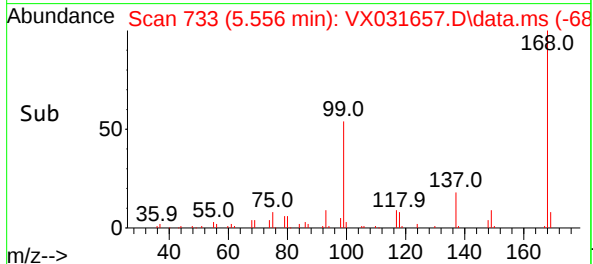
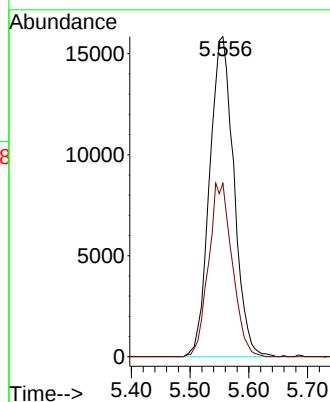
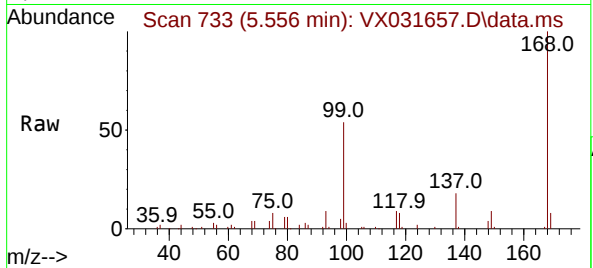




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

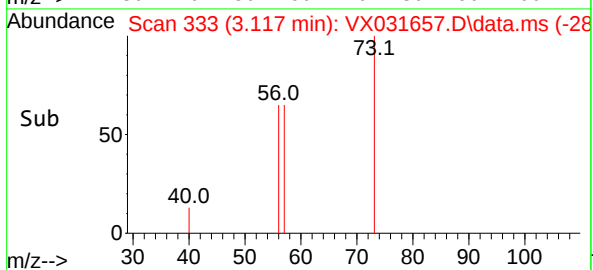
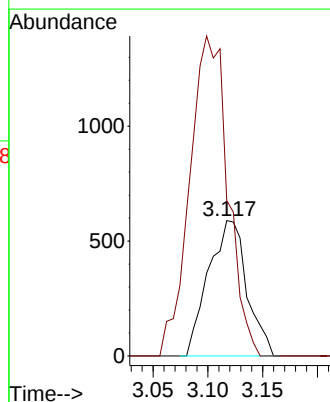
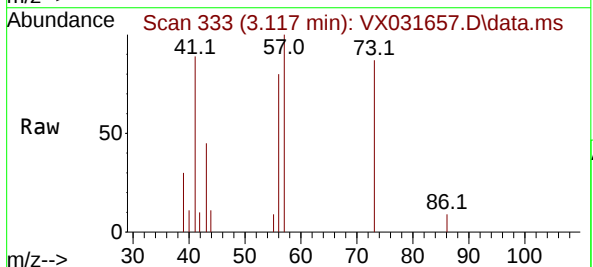
Instrument :
MSVOA_X
ClientSampleId :
DUP091322DL2

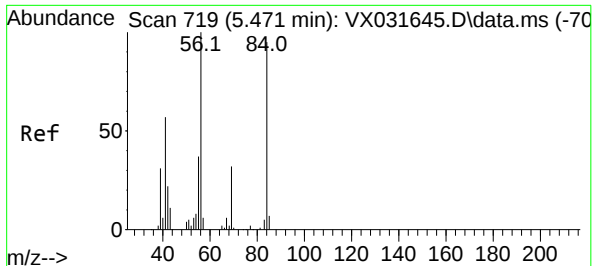
Tgt Ion:168 Resp: 45434
Ion Ratio Lower Upper
168 100
99 54.1 48.8 73.2



#19
Methyl tert-butyl Ether
Concen: 0.669 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

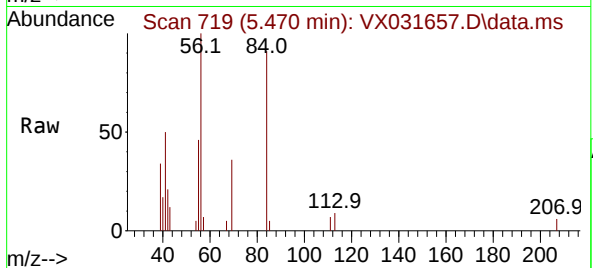
Tgt Ion: 73 Resp: 1434
Ion Ratio Lower Upper
73 100
57 114.8 17.2 25.8#



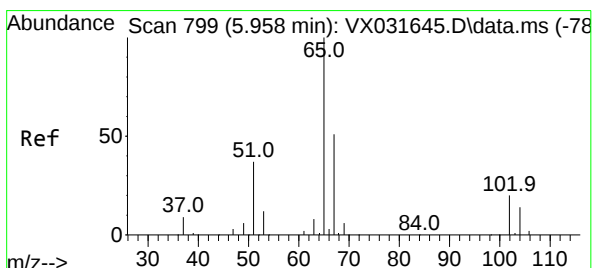
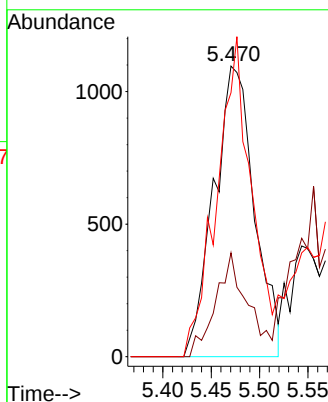
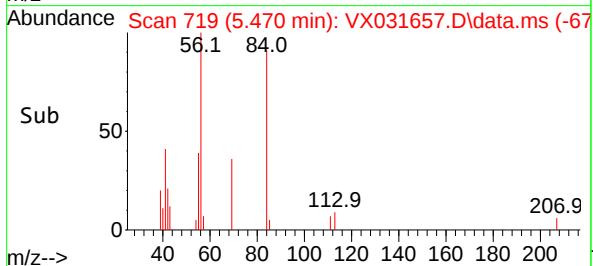


#31
Cyclohexane
Concen: 3.481 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.001 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

Instrument :
MSVOA_X
ClientSampleId :
DUP091322DL2

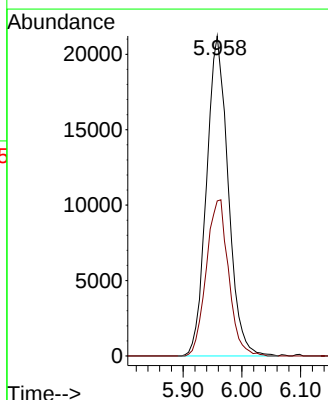
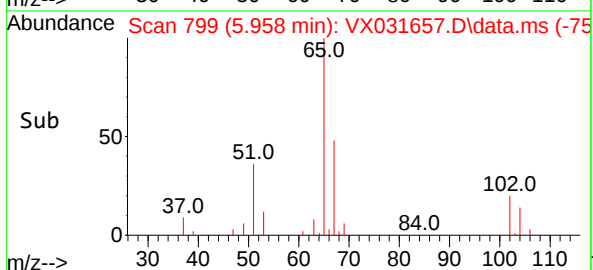
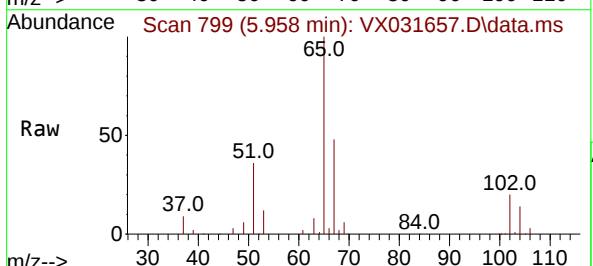


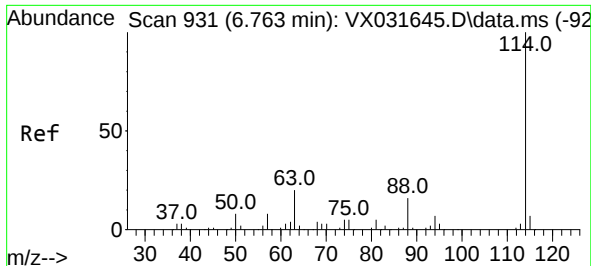
Tgt Ion: 56 Resp: 3192
Ion Ratio Lower Upper
56 100
69 35.8 25.1 37.7
84 90.9 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 56.241 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

Tgt Ion: 65 Resp: 54233
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.4

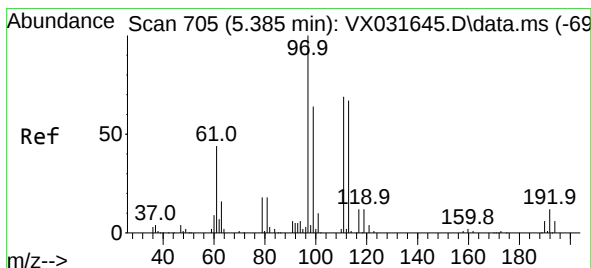
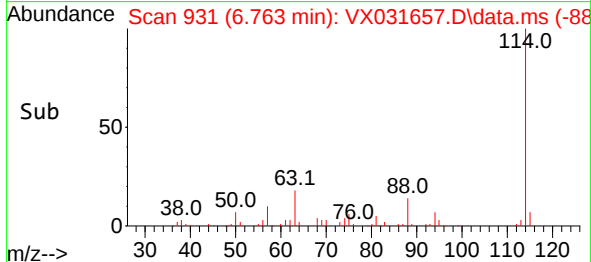
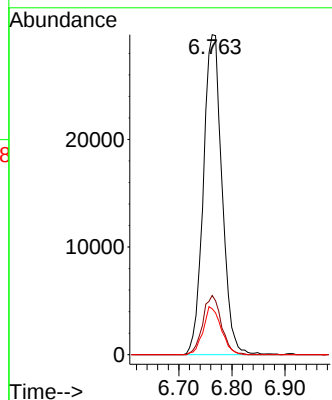
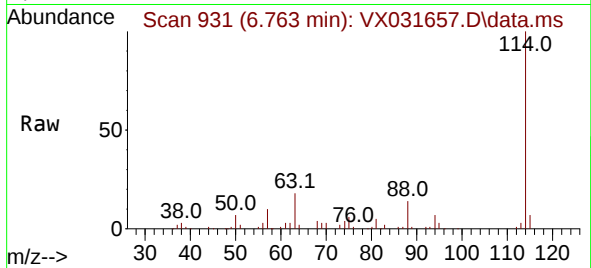




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

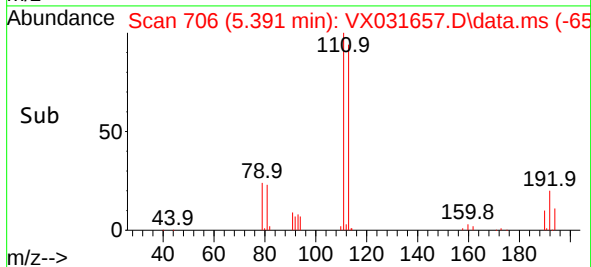
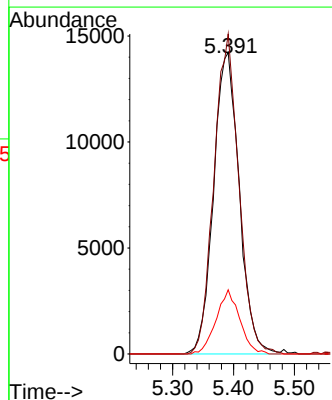
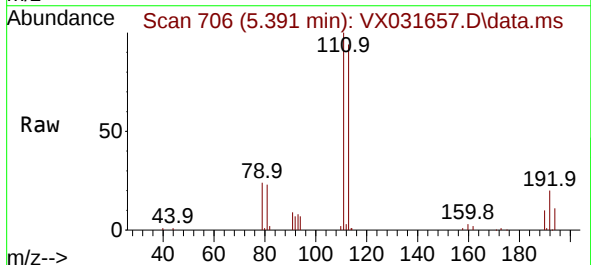
Instrument :
MSVOA_X
ClientSampleId :
DUP091322DL2

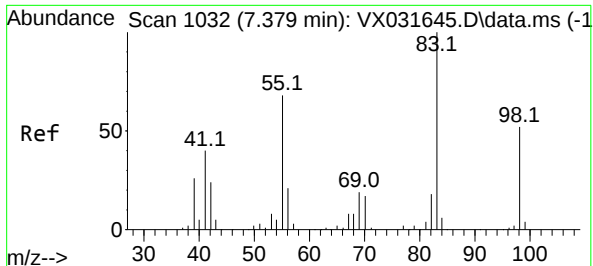
Tgt Ion:114 Resp: 72674
Ion Ratio Lower Upper
114 100
63 18.5 0.0 42.6
88 14.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.024 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

Tgt Ion:113 Resp: 41585
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 19.6 14.1 21.1





#39

Methylcyclohexane

Concen: 1.641 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX031657.D

Acq: 26 Sep 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

DUP091322DL2

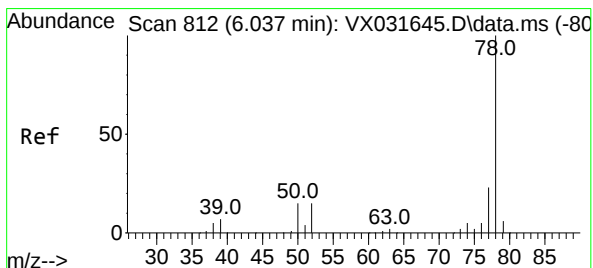
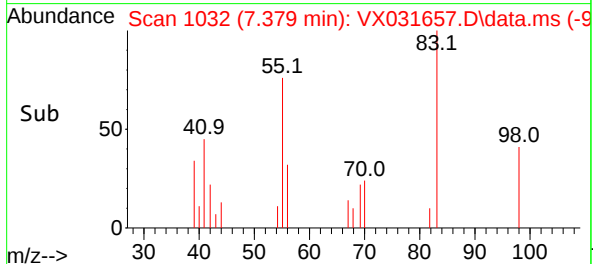
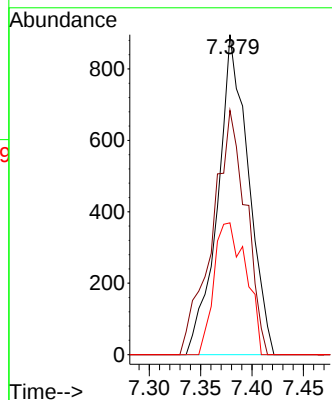
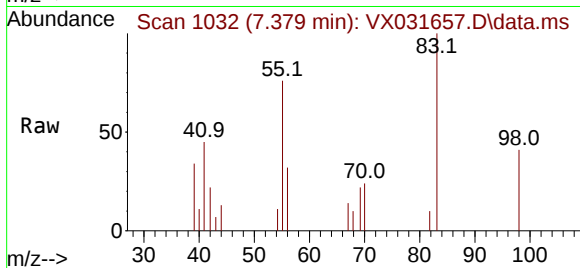
Tgt Ion: 83 Resp: 1859

Ion Ratio Lower Upper

83 100

55 76.3 61.0 91.4

98 41.2 37.7 56.5



#40

Benzene

Concen: 40.490 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.007 min

Lab File: VX031657.D

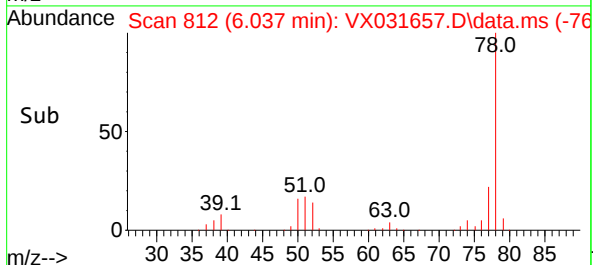
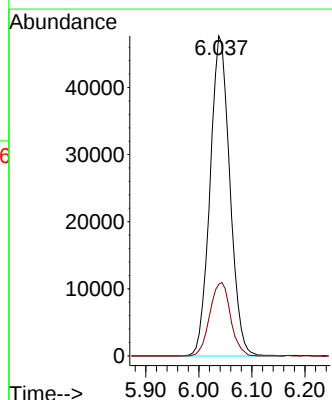
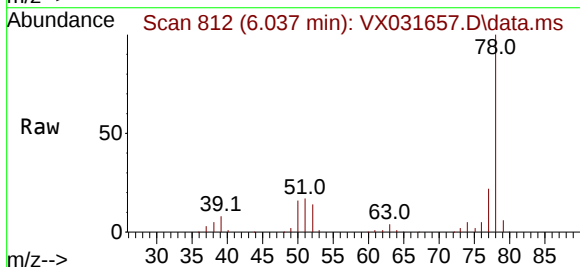
Acq: 26 Sep 2022 18:36

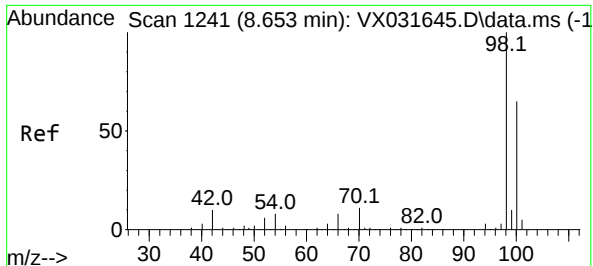
Tgt Ion: 78 Resp: 123667

Ion Ratio Lower Upper

78 100

77 22.4 18.7 28.1





#50

Toluene-d8

Concen: 46.318 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031657.D

Acq: 26 Sep 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

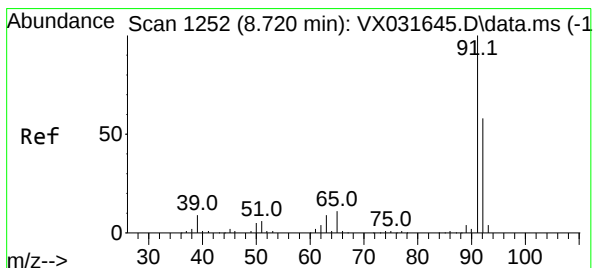
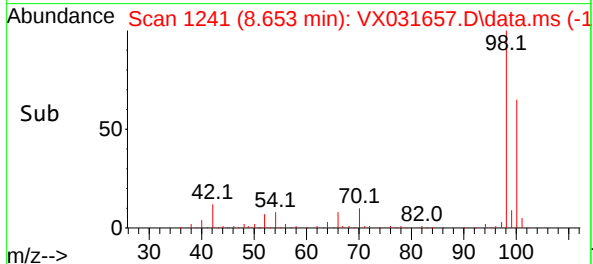
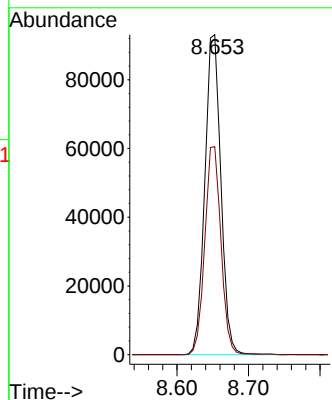
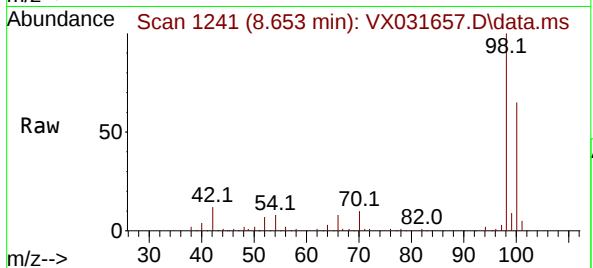
DUP091322DL2

Tgt Ion: 98 Resp: 145408

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7



#52

Toluene

Concen: 24.614 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX031657.D

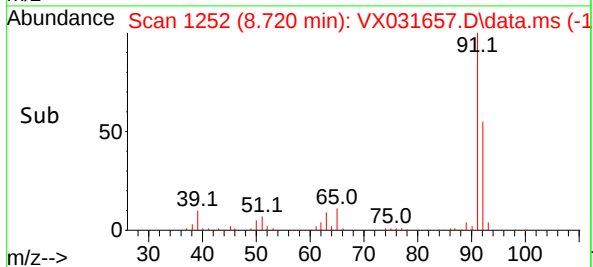
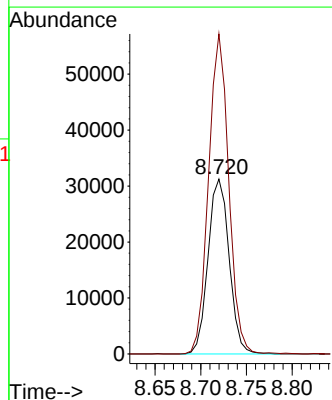
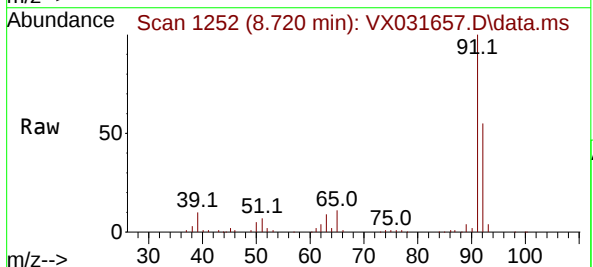
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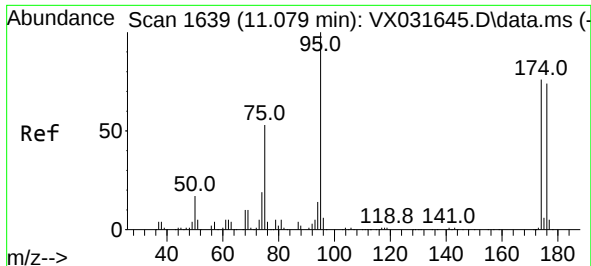
Tgt Ion: 92 Resp: 50113

Ion Ratio Lower Upper

92 100

91 174.9 137.1 205.7

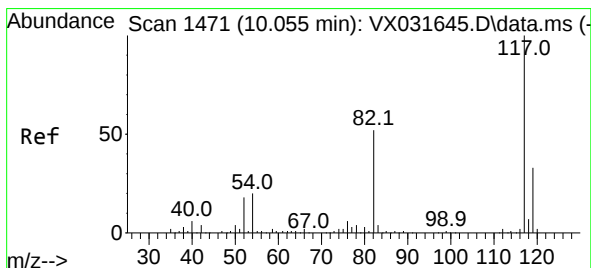
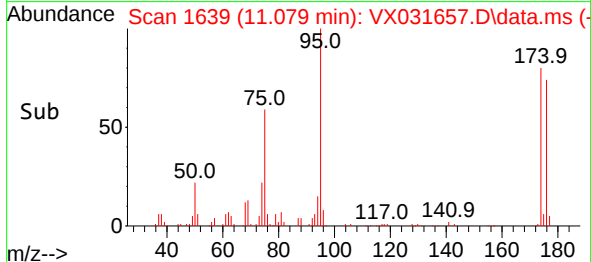
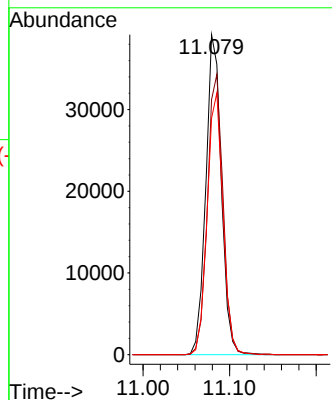
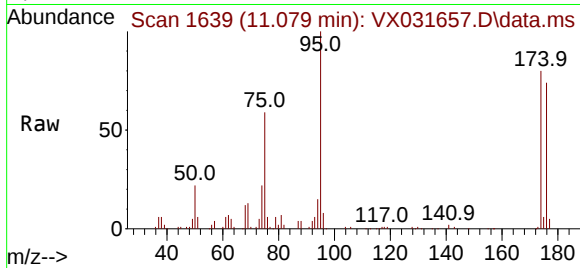




#62
4-Bromofluorobenzene
Concen: 42.347 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

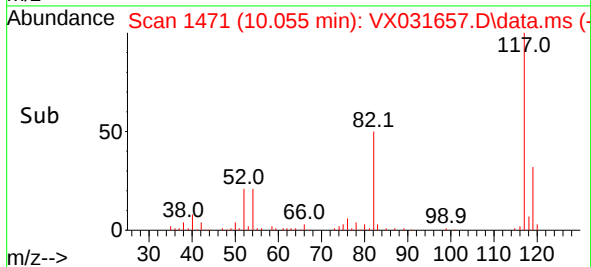
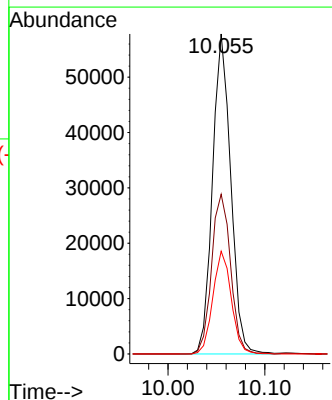
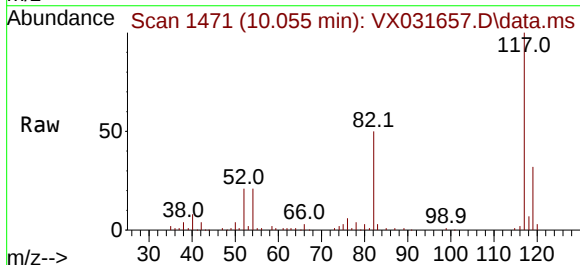
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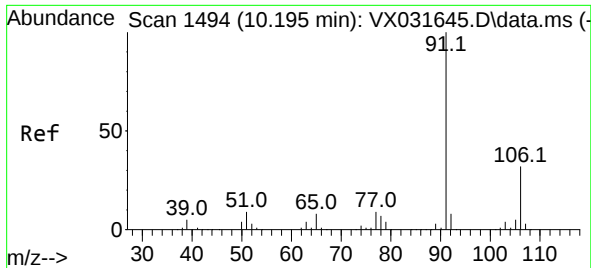
Tgt Ion: 95 Resp: 48726
Ion Ratio Lower Upper
95 100
174 88.1 0.0 153.2
176 83.5 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

Tgt Ion: 117 Resp: 75742
Ion Ratio Lower Upper
117 100
82 49.9 46.8 70.2
119 32.1 26.4 39.6

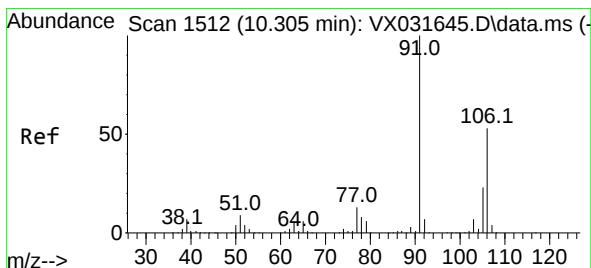
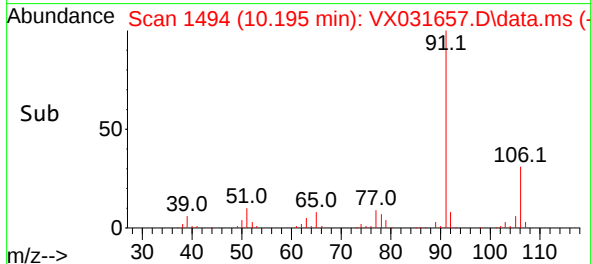
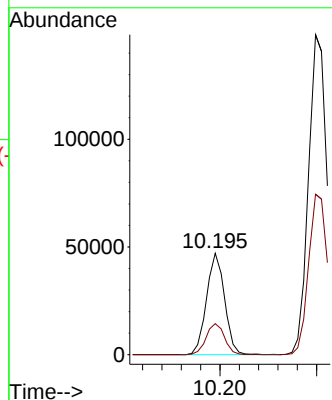
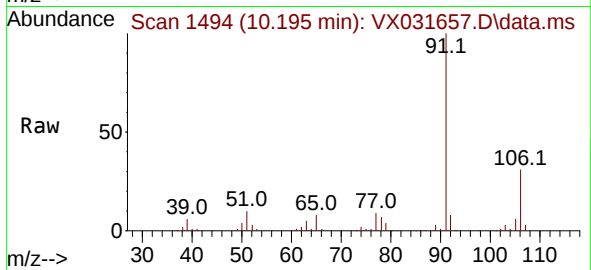




#67
Ethyl Benzene
Concen: 17.064 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

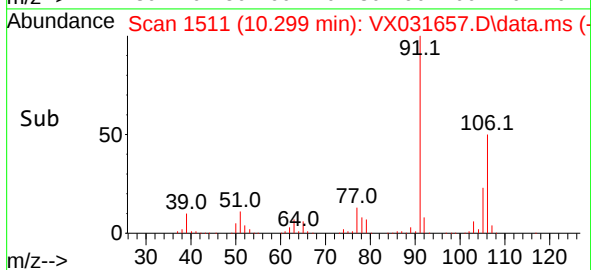
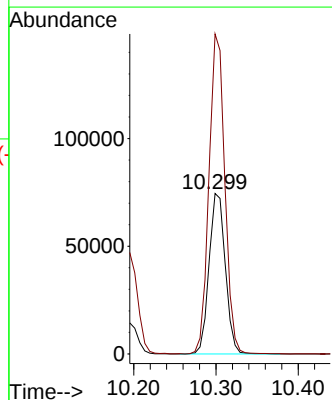
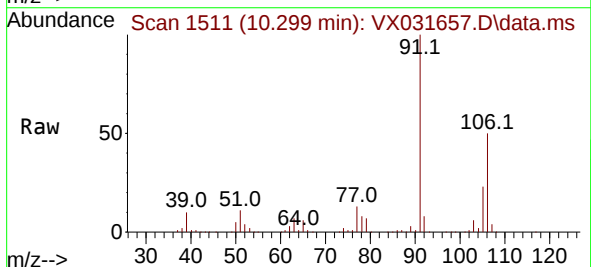
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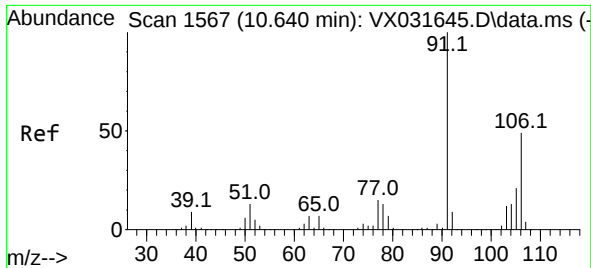
Tgt Ion: 91 Resp: 61254
Ion Ratio Lower Upper
91 100
106 30.7 25.2 37.8



#68
m/p-Xylenes
Concen: 70.832 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

Tgt Ion: 106 Resp: 102159
Ion Ratio Lower Upper
106 100
91 195.0 161.0 241.4

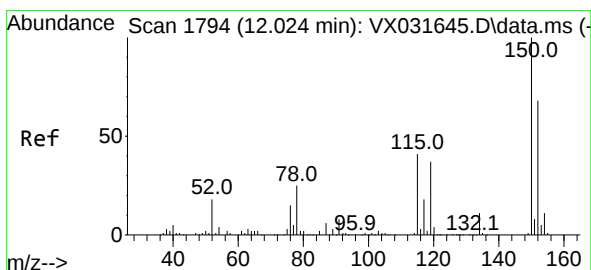
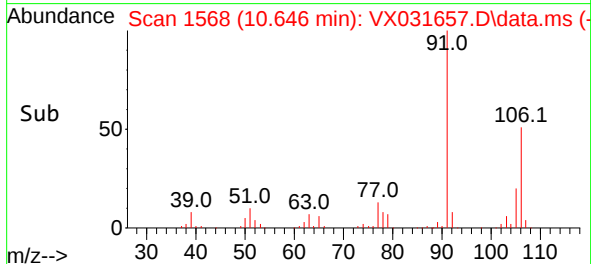
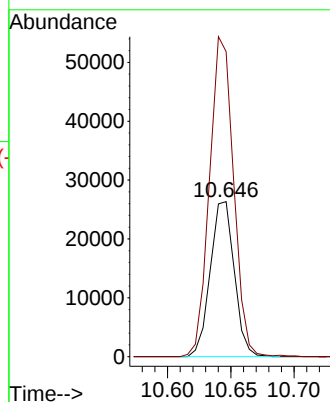
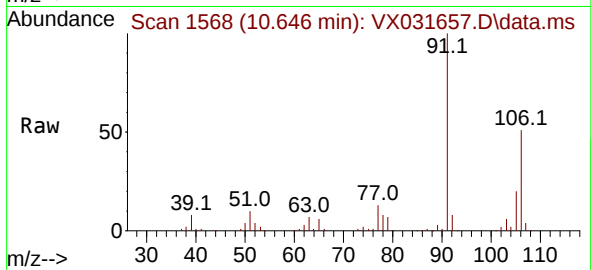




#69
o-Xylene
Concen: 24.673 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

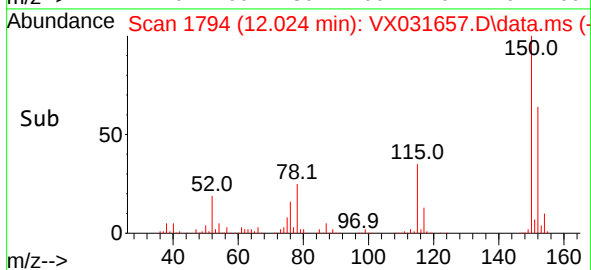
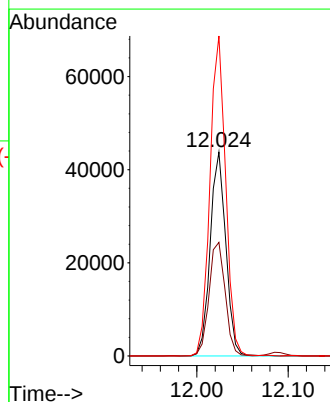
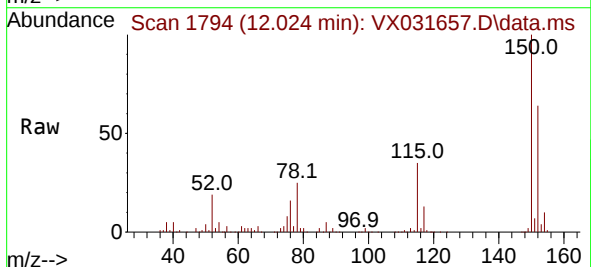
Instrument :
MSVOA_X
ClientSampleId :
DUP091322DL2

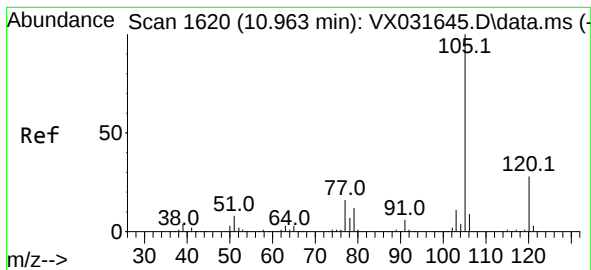
Tgt Ion:106 Resp: 34782
Ion Ratio Lower Upper
106 100
91 207.3 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

Tgt Ion:152 Resp: 51918
Ion Ratio Lower Upper
152 100
115 57.8 43.4 130.1
150 157.3 0.0 346.8





#73

Isopropylbenzene

Concen: 0.980 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031657.D

Acq: 26 Sep 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

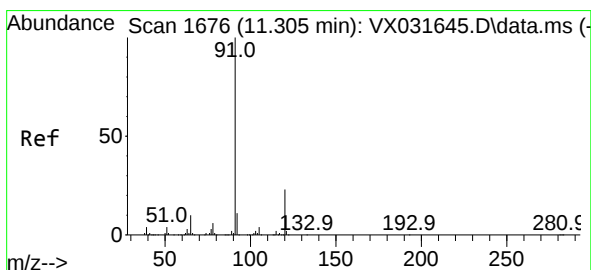
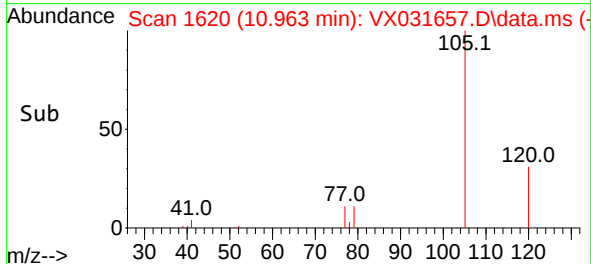
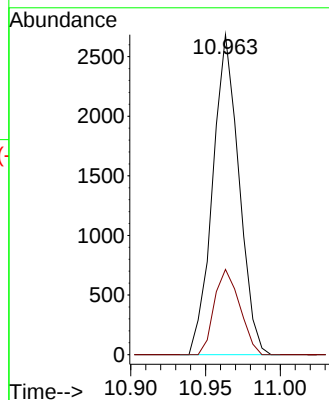
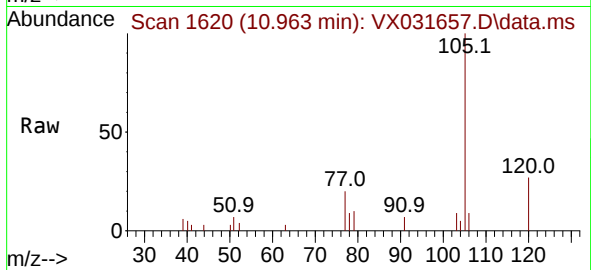
DUP091322DL2

Tgt Ion:105 Resp: 3289

Ion Ratio Lower Upper

105 100

120 25.7 13.7 41.0



#78

n-propylbenzene

Concen: 2.500 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX031657.D

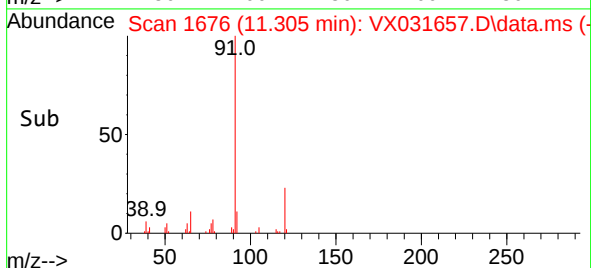
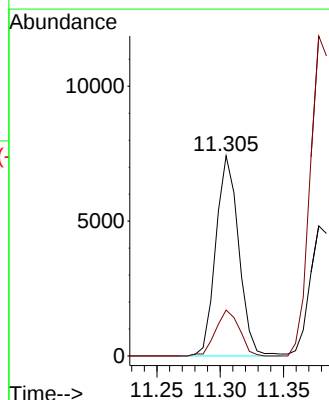
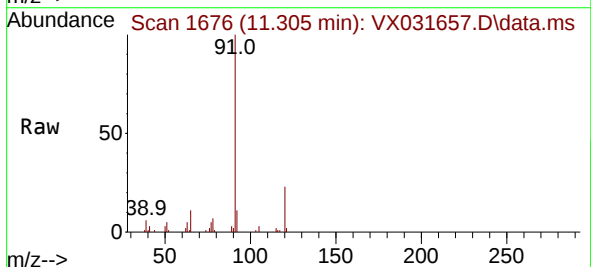
Acq: 26 Sep 2022 18:36

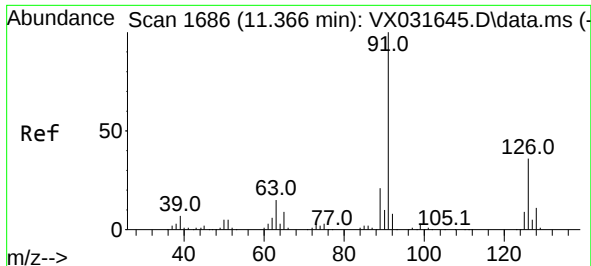
Tgt Ion: 91 Resp: 9342

Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4





#79

2-Chlorotoluene

Concen: 3.656 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX031657.D

Acq: 26 Sep 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

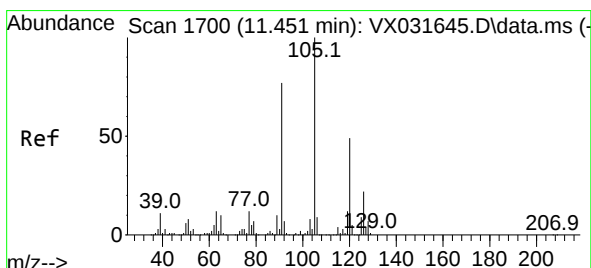
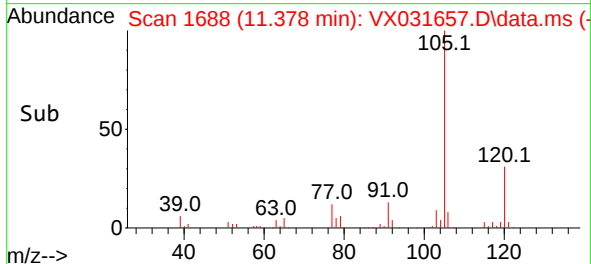
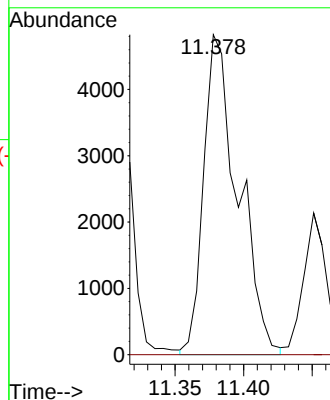
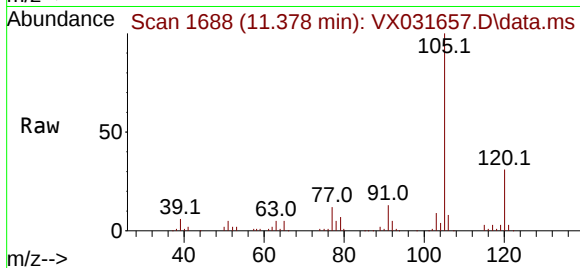
DUP091322DL2

Tgt Ion: 91 Resp: 8436

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#



#80

1,3,5-Trimethylbenzene

Concen: 6.630 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX031657.D

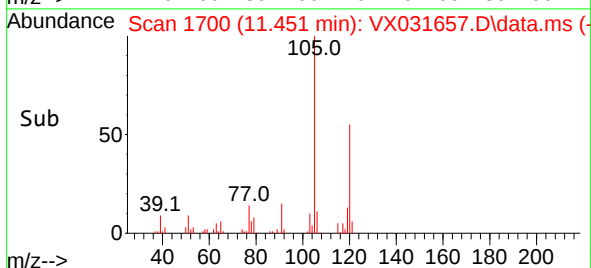
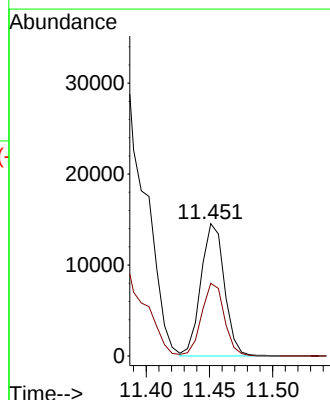
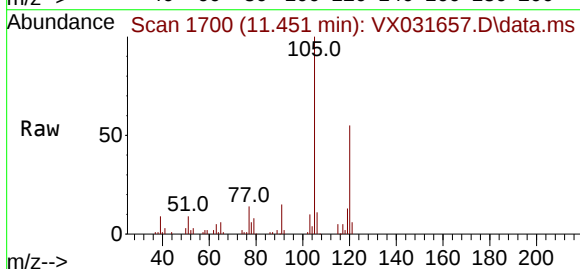
Acq: 26 Sep 2022 18:36

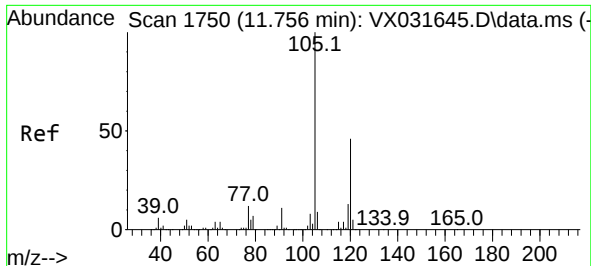
Tgt Ion: 105 Resp: 18869

Ion Ratio Lower Upper

105 100

120 53.0 24.5 73.5

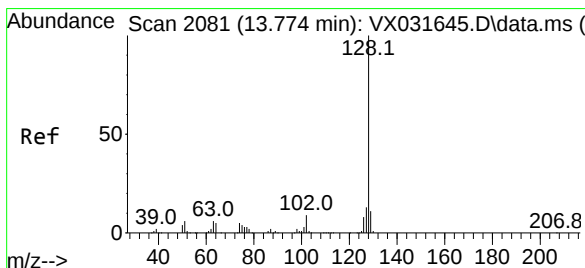
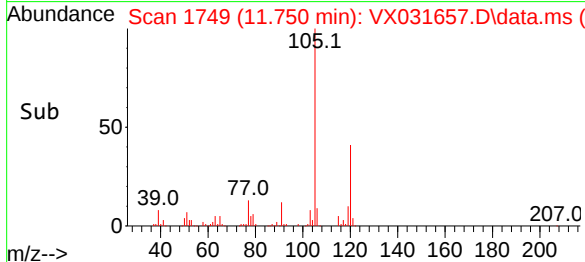
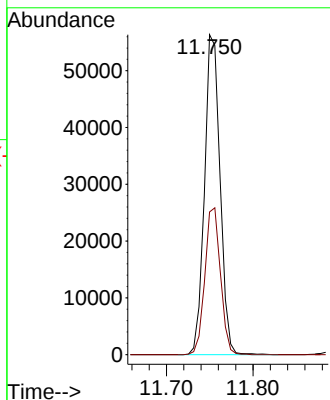
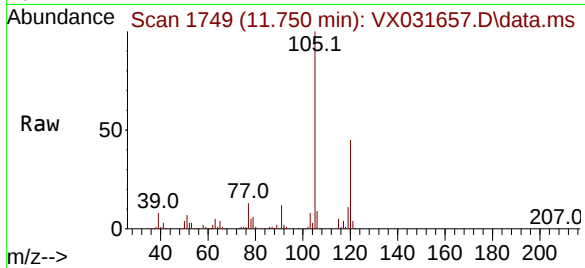




#84
1,2,4-Trimethylbenzene
Concen: 24.952 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

Instrument :
MSVOA_X
ClientSampleId :
DUP091322DL2

Tgt Ion:105 Resp: 70296
Ion Ratio Lower Upper
105 100
120 46.0 22.6 67.8



#95
Naphthalene
Concen: 8.058 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031657.D
Acq: 26 Sep 2022 18:36

Tgt Ion:128 Resp: 26082
Ion Ratio Lower Upper
128 100
127 14.0 10.4 15.6
129 11.3 8.8 13.2

