

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
 Data File : VX031656.D
 Acq On : 26 Sep 2022 18:13
 Operator : JC/MD
 Sample : N4614-14DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP091322DL

Quant Time: Sep 27 01:54:54 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)

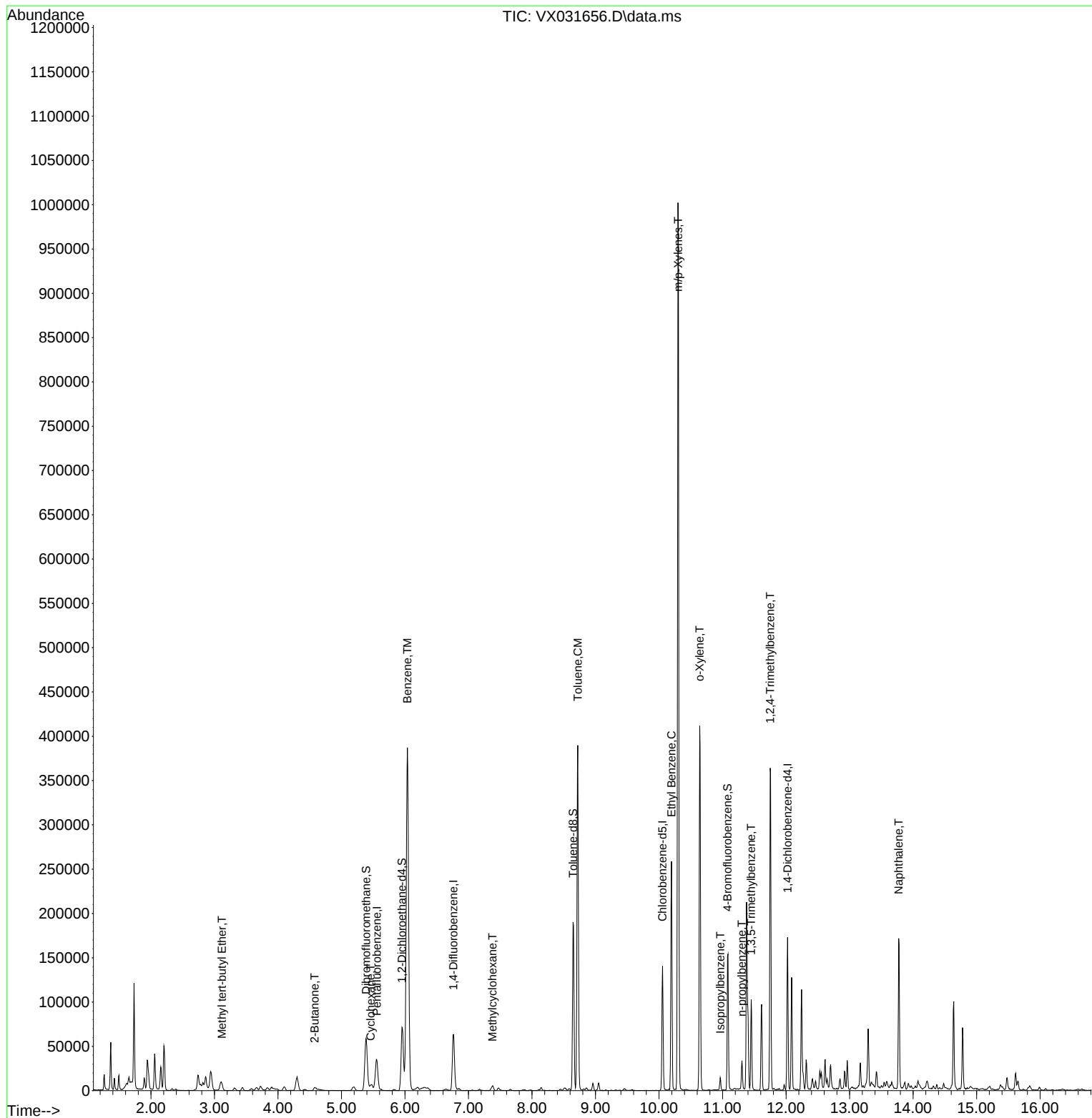
Internal Standards						
1) Pentafluorobenzene	5.556	168	33771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	68182	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	60770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	34741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68875	96.092	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 192.180%#			
35) Dibromofluoromethane	5.385	113	49620	61.078	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 122.160%			
50) Toluene-d8	8.647	98	113681	38.597	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 77.200%#			
62) 4-Bromofluorobenzene	11.079	95	39412	36.509	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 73.020%#			
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	3.117	73	7014	4.400	ug/l #	44
25) 2-Butanone	4.574	43	5255	15.360	ug/l #	85
31) Cyclohexane	5.458	56	4588	6.732	ug/l #	80
39) Methylcyclohexane	7.379	83	2529	2.379	ug/l	86
40) Benzene	6.037	78	465143	162.325	ug/l	99
52) Toluene	8.720	92	147258	77.095	ug/l	99
67) Ethyl Benzene	10.195	91	143300	49.757	ug/l	99
68) m/p-Xylenes	10.299	106	234948	203.035	ug/l	98
69) o-Xylene	10.640	106	92249	81.559	ug/l	98
73) Isopropylbenzene	10.963	105	6777	3.016	ug/l	100
78) n-propylbenzene	11.305	91	18597	7.438	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	41859	21.979	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	162011	85.941	ug/l	99
95) Naphthalene	13.774	128	106009	48.943	ug/l	99

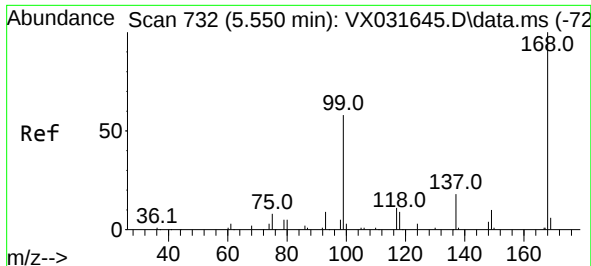
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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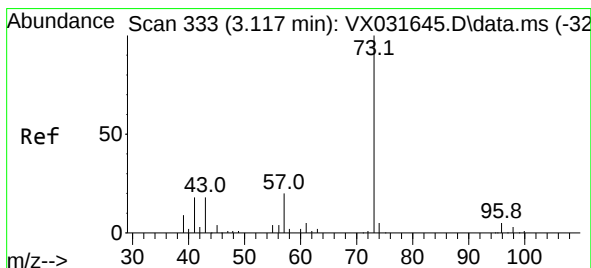
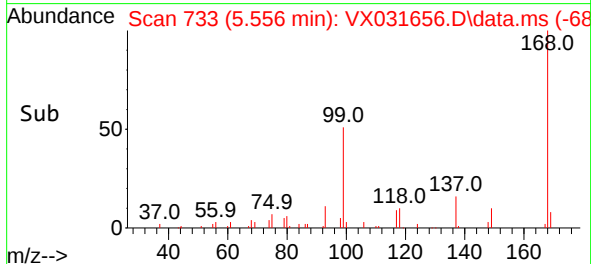
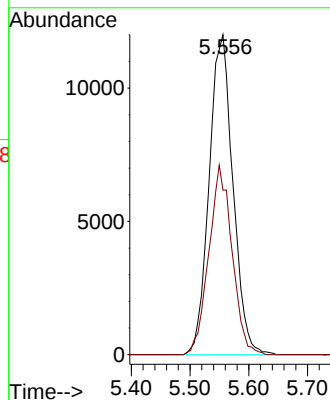
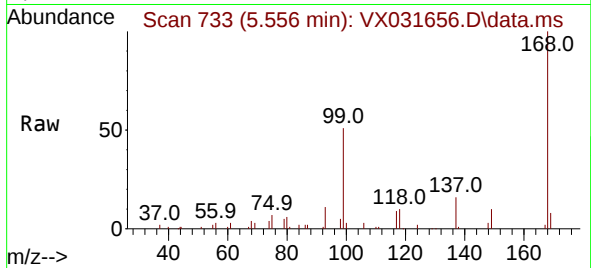




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

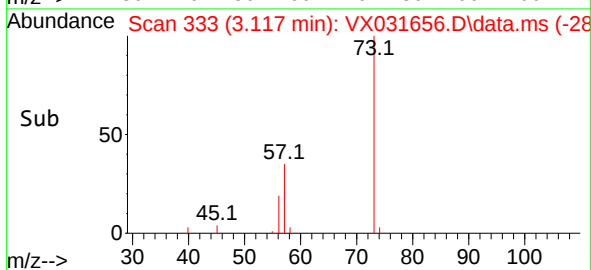
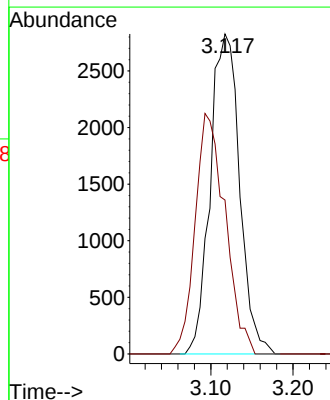
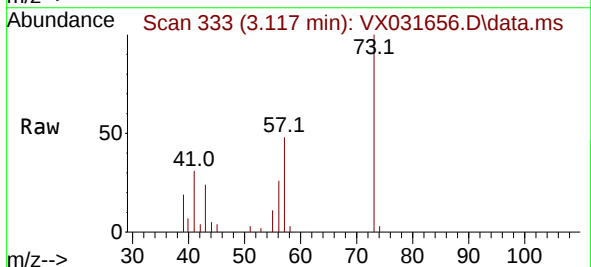
Instrument :
MSVOA_X
ClientSampleId :
DUP091322DL

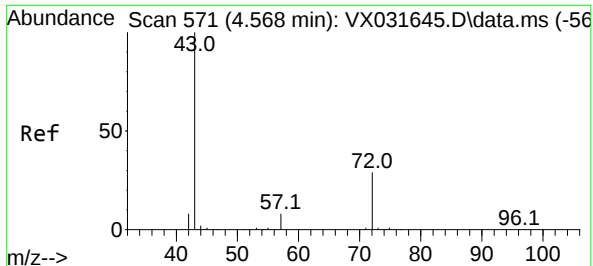
Tgt Ion:168 Resp: 33771
Ion Ratio Lower Upper
168 100
99 51.5 48.8 73.2



#19
Methyl tert-butyl Ether
Concen: 4.400 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

Tgt Ion: 73 Resp: 7014
Ion Ratio Lower Upper
73 100
57 48.1 17.2 25.8#





#25

2-Butanone

Concen: 15.360 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX031656.D

Acq: 26 Sep 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

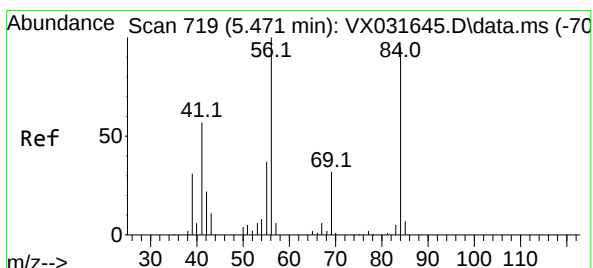
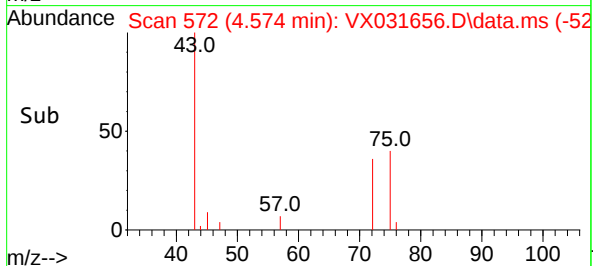
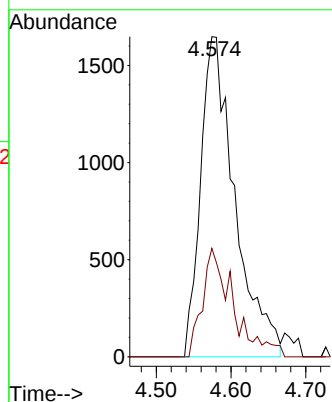
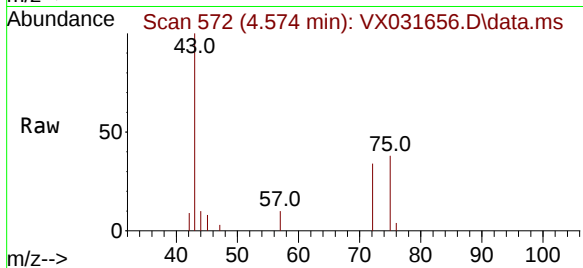
DUP091322DL

Tgt Ion: 43 Resp: 5255

Ion Ratio Lower Upper

43 100

72 33.9 21.1 31.7#



#31

Cyclohexane

Concen: 6.732 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.013 min

Lab File: VX031656.D

Acq: 26 Sep 2022 18:13

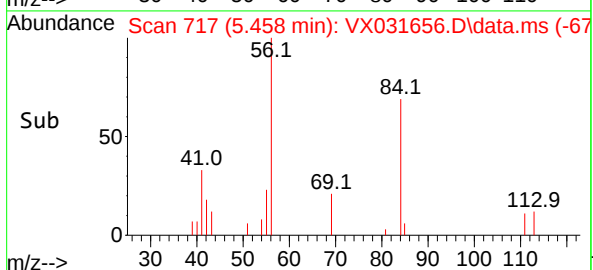
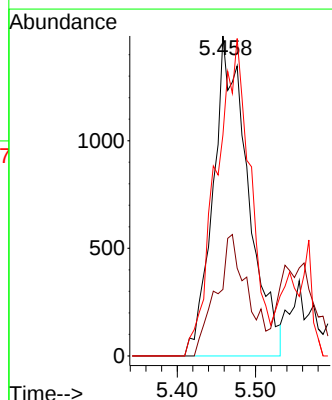
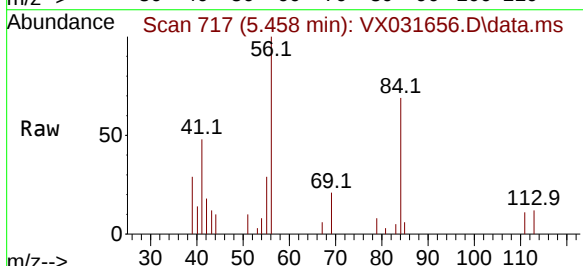
Tgt Ion: 56 Resp: 4588

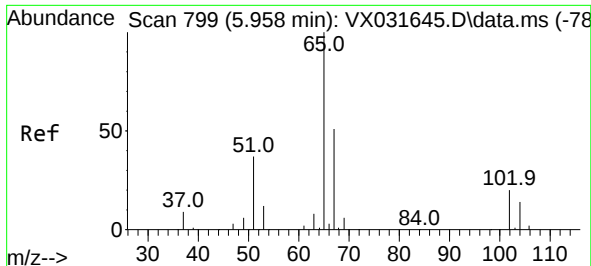
Ion Ratio Lower Upper

56 100

69 20.8 25.1 37.7#

84 69.1 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 96.092 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX031656.D

Acq: 26 Sep 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

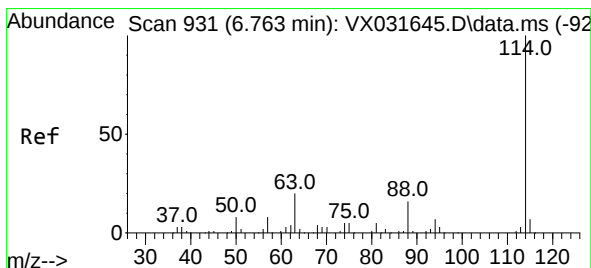
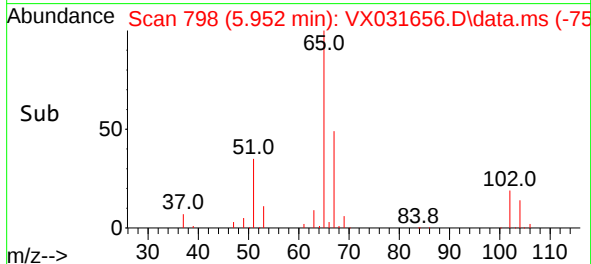
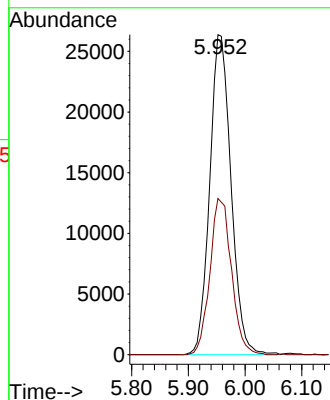
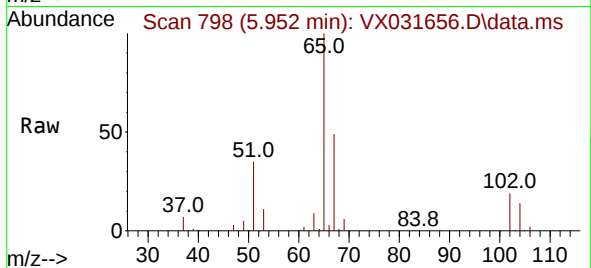
DUP091322DL

Tgt Ion: 65 Resp: 68875

Ion Ratio Lower Upper

65 100

67 49.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031656.D

Acq: 26 Sep 2022 18:13

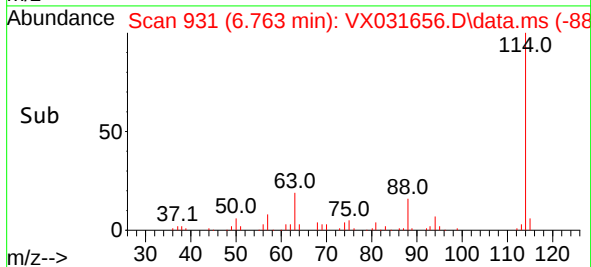
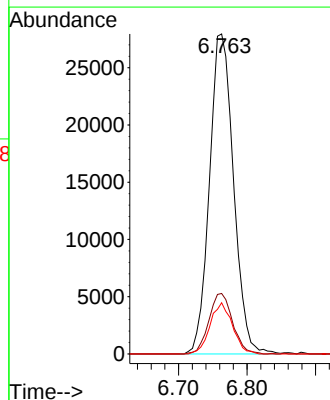
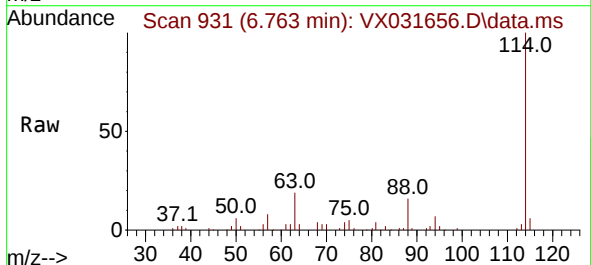
Tgt Ion: 114 Resp: 68182

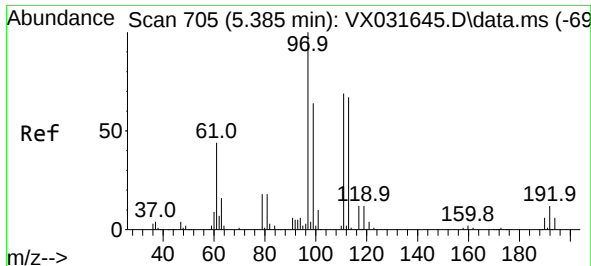
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.6

88 16.0 0.0 33.0

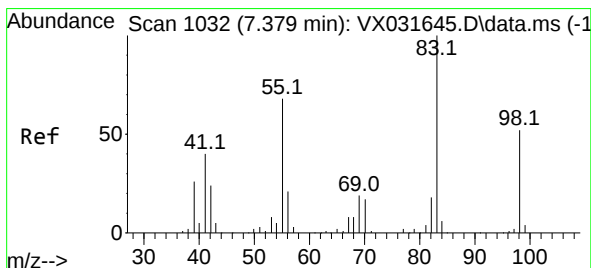
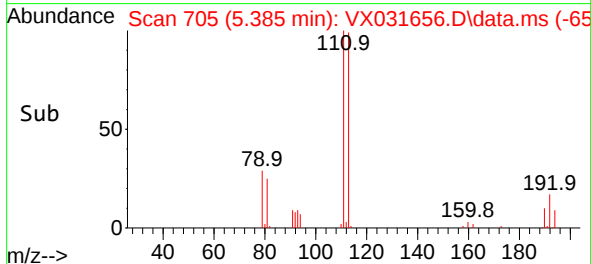
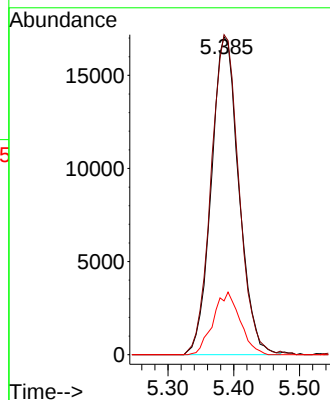
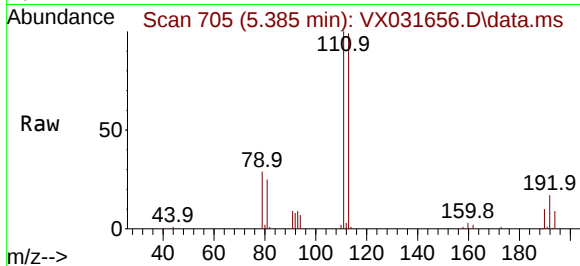




#35
Dibromofluoromethane
Concen: 61.078 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

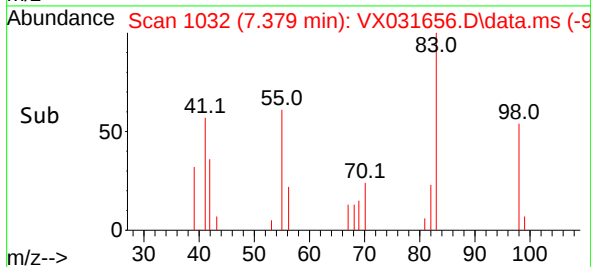
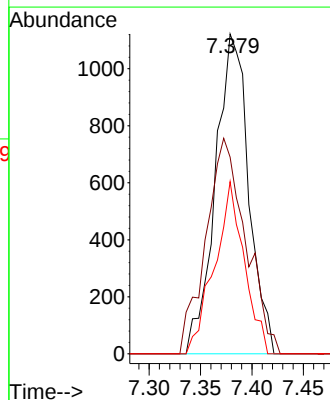
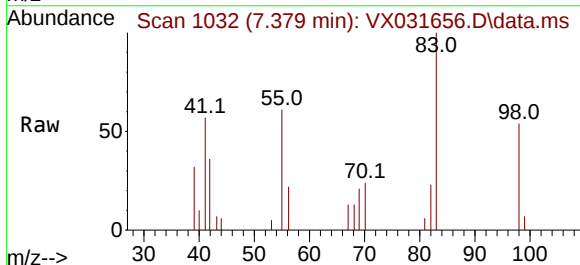
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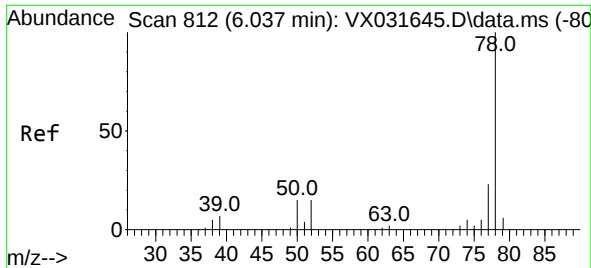
Tgt Ion:113 Resp: 49620
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 19.3 14.1 21.1



#39
Methylcyclohexane
Concen: 2.379 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

Tgt Ion: 83 Resp: 2529
Ion Ratio Lower Upper
83 100
55 61.5 61.0 91.4
98 53.8 37.7 56.5

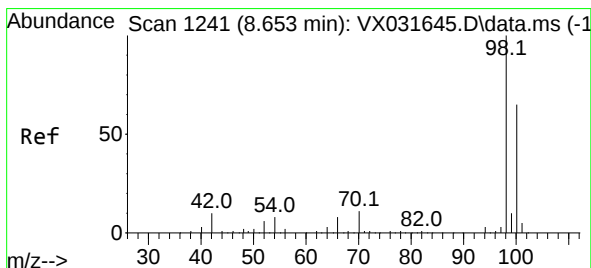
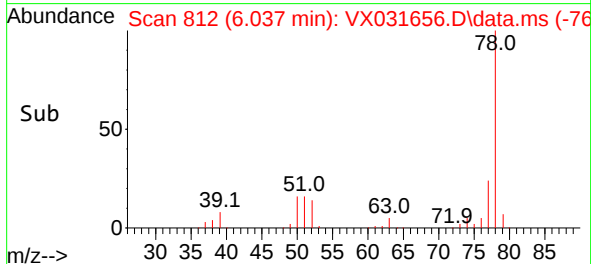
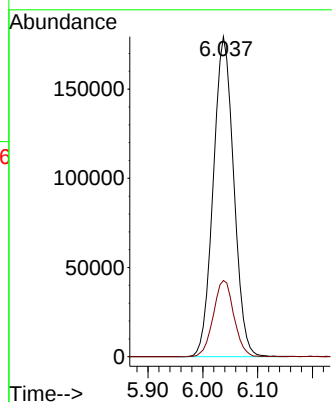
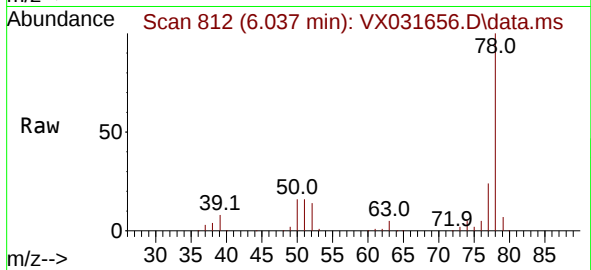




#40
Benzene
Concen: 162.325 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.007 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

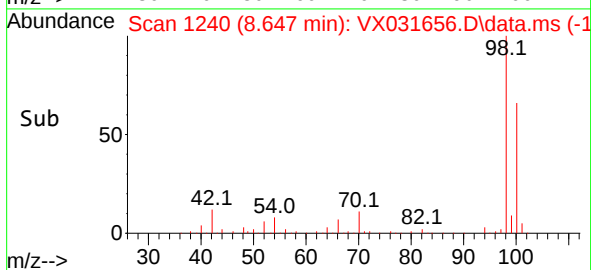
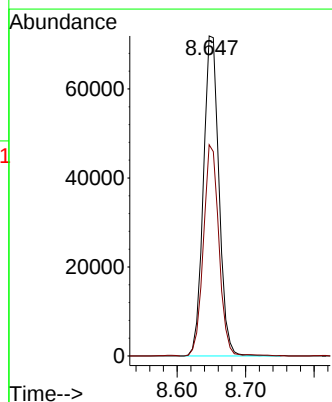
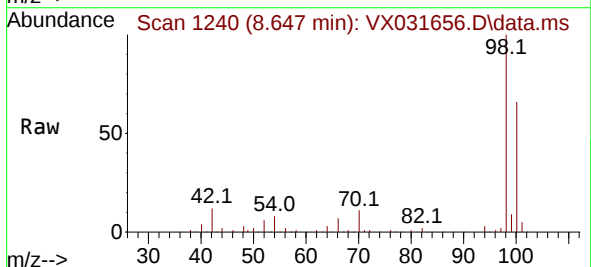
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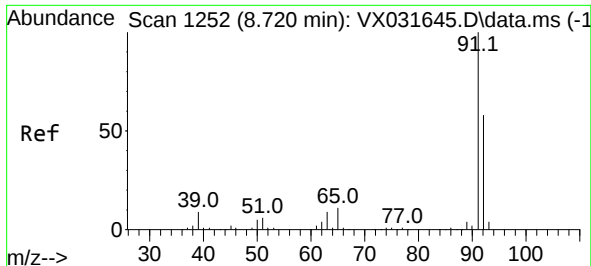
Tgt Ion: 78 Resp: 465143
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1



#50
Toluene-d8
Concen: 38.597 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

Tgt Ion: 98 Resp: 113681
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

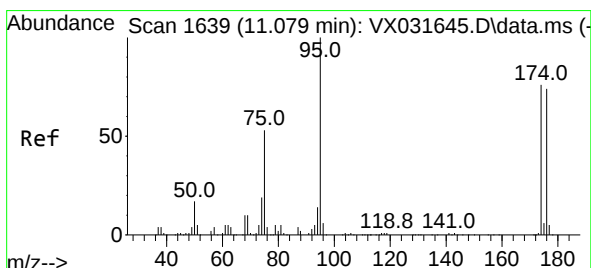
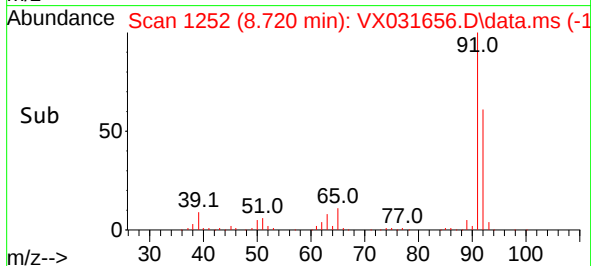
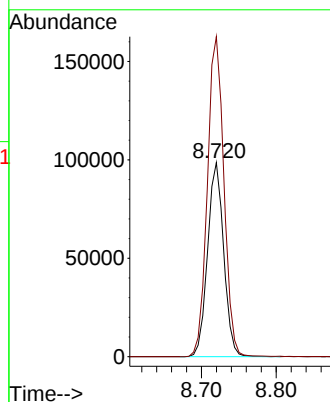
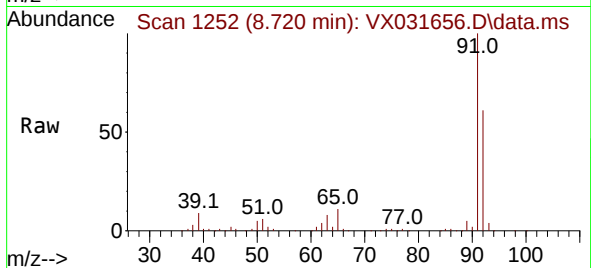




#52
Toluene
Concen: 77.095 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

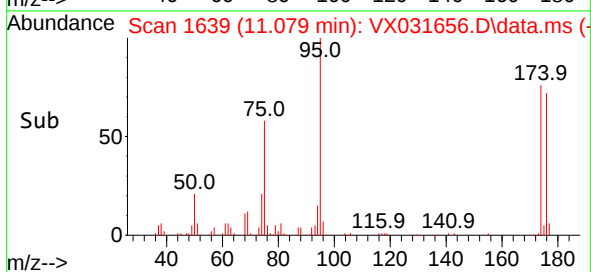
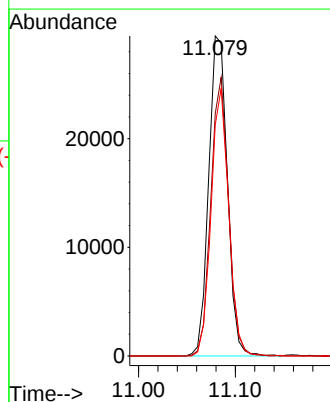
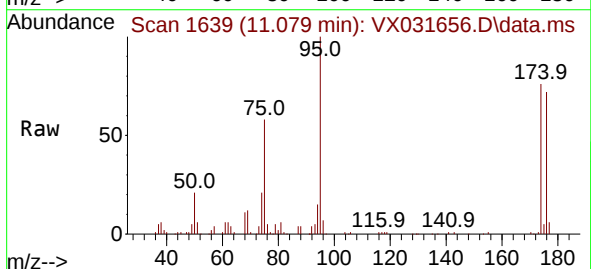
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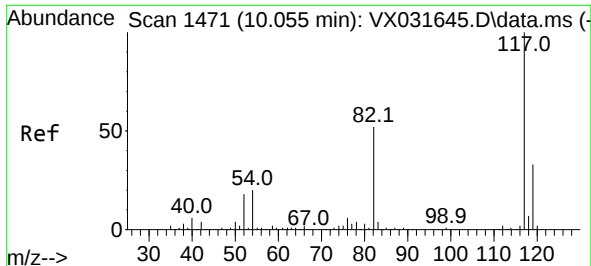
Tgt Ion: 92 Resp: 147258
Ion Ratio Lower Upper
92 100
91 169.5 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 36.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

Tgt Ion: 95 Resp: 39412
Ion Ratio Lower Upper
95 100
174 83.1 0.0 153.2
176 78.9 0.0 144.0

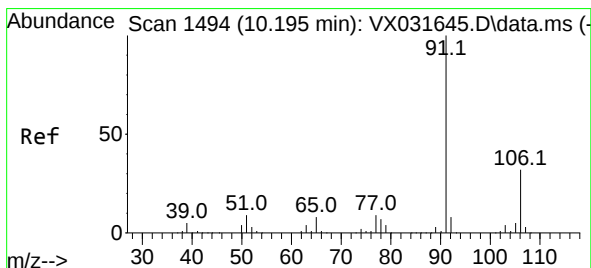
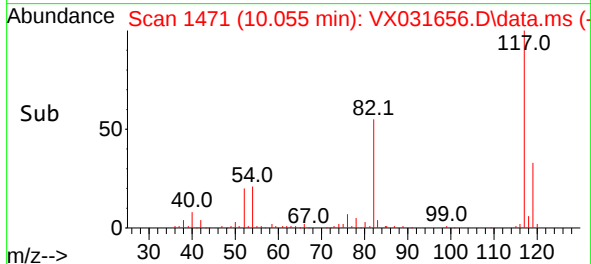
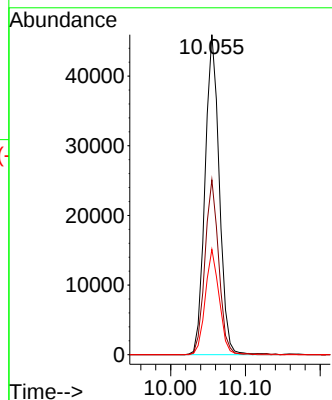
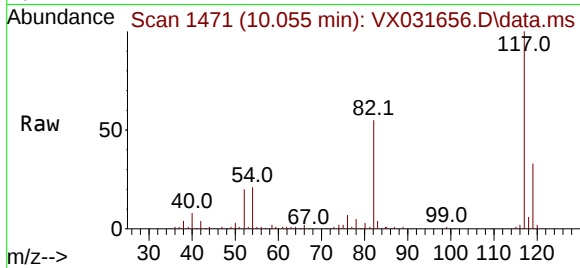




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

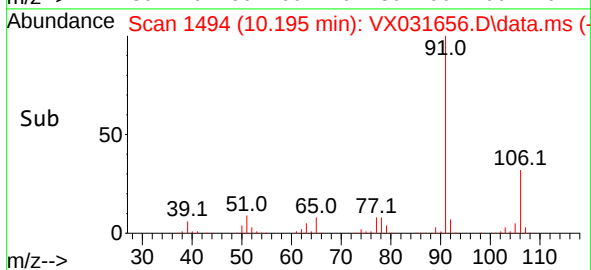
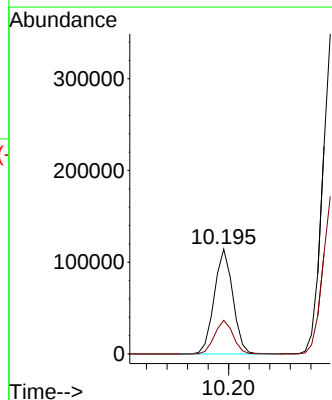
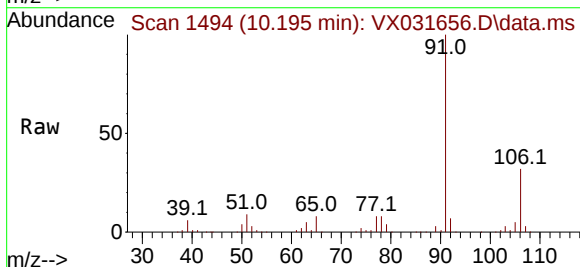
Instrument :
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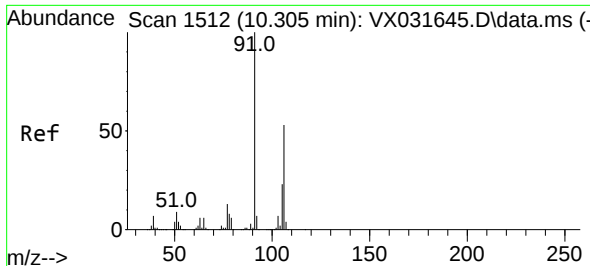
Tgt Ion:117 Resp: 60770
Ion Ratio Lower Upper
117 100
82 54.7 46.8 70.2
119 32.9 26.4 39.6



#67
Ethyl Benzene
Concen: 49.757 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

Tgt Ion: 91 Resp: 143300
Ion Ratio Lower Upper
91 100
106 32.1 25.2 37.8

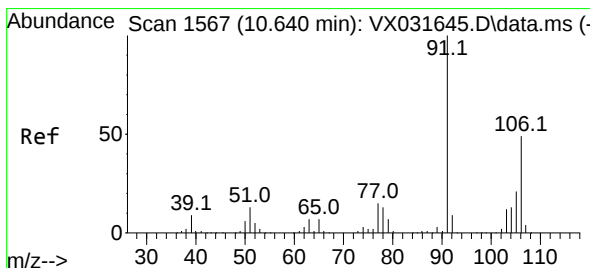
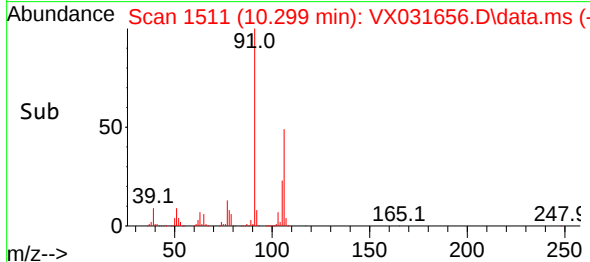
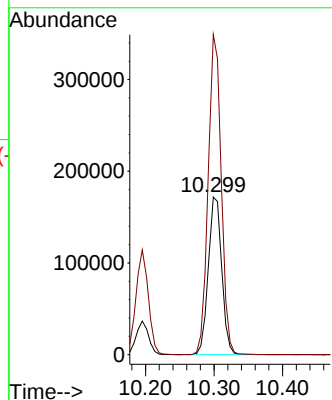
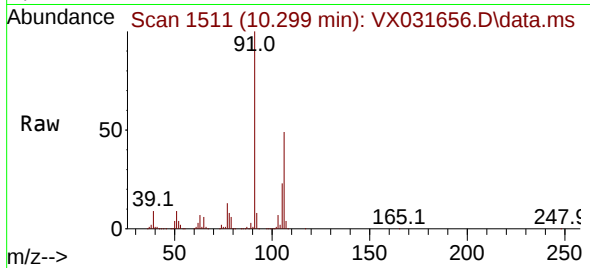




#68
m/p-Xylenes
Concen: 203.035 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

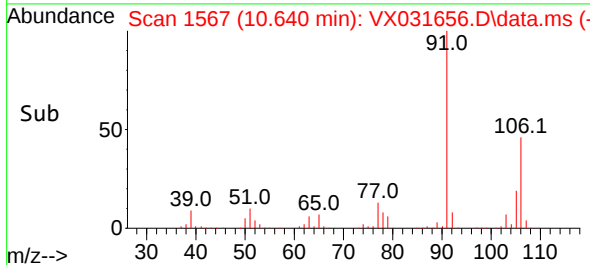
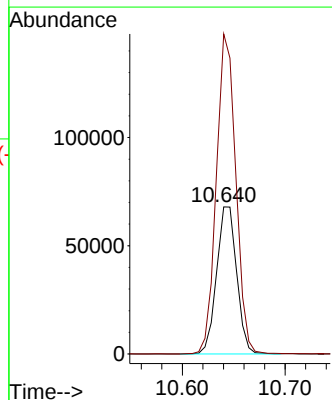
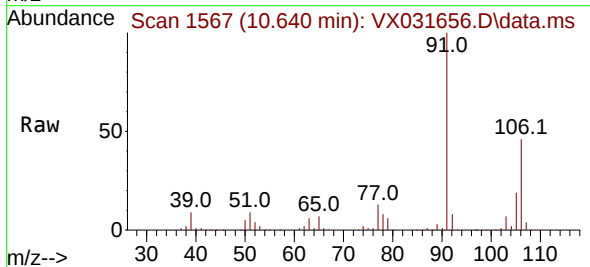
Instrument :
MSVOA_X
ClientSampleId :
DUP091322DL

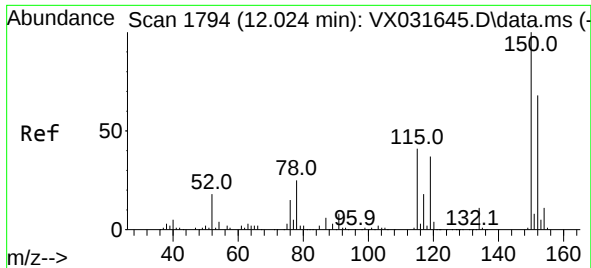
Tgt Ion:106 Resp: 234948
Ion Ratio Lower Upper
106 100
91 197.5 161.0 241.4



#69
o-Xylene
Concen: 81.559 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX031656.D
Acq: 26 Sep 2022 18:13

Tgt Ion:106 Resp: 92249
Ion Ratio Lower Upper
106 100
91 211.2 107.2 321.6

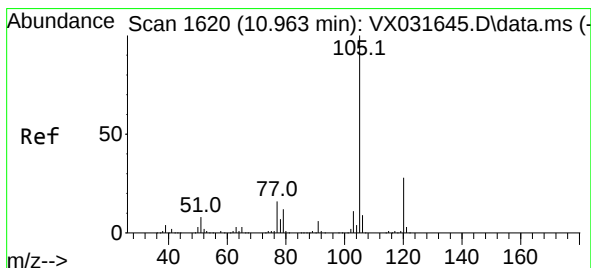
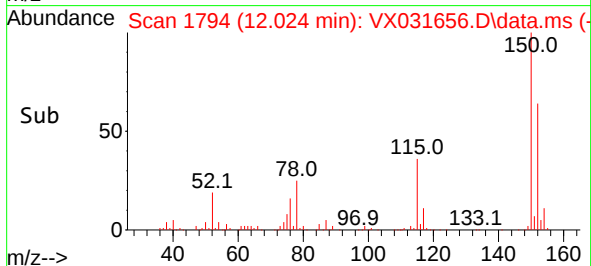
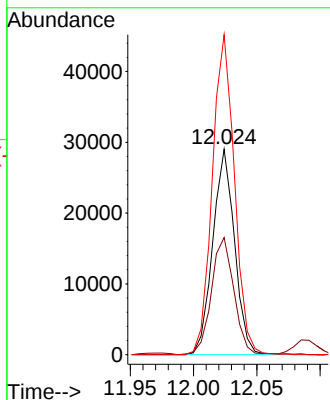
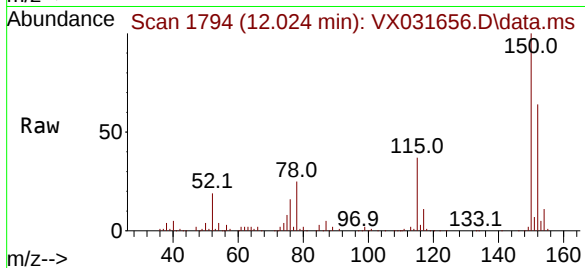




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031656.D
 Acq: 26 Sep 2022 18:13

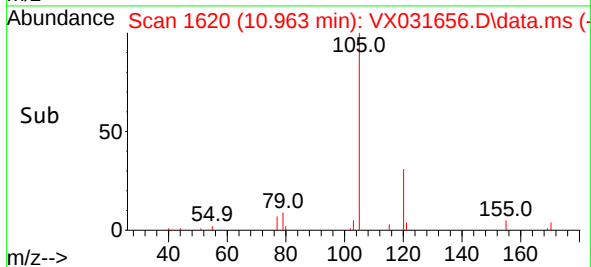
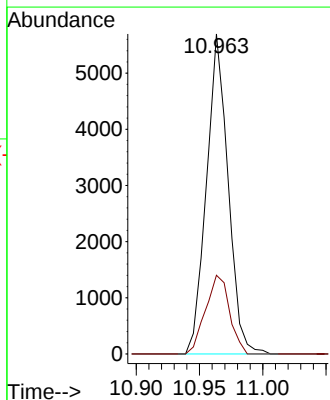
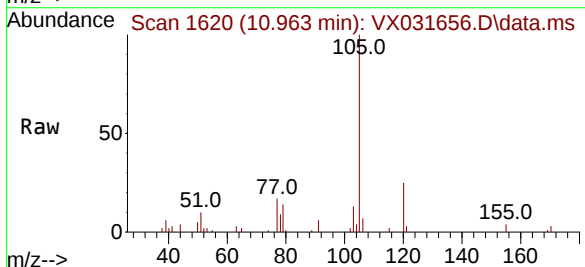
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP091322DL

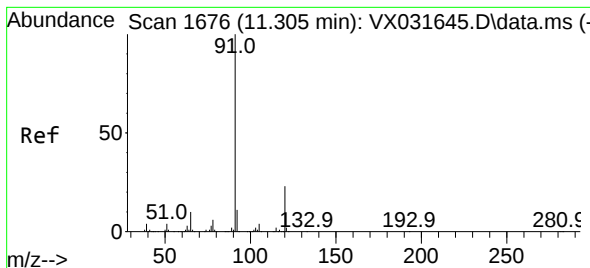
Tgt Ion:152 Resp: 34741
 Ion Ratio Lower Upper
 152 100
 115 58.7 43.4 130.1
 150 157.7 0.0 346.8



#73
 Isopropylbenzene
 Concen: 3.016 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX031656.D
 Acq: 26 Sep 2022 18:13

Tgt Ion:105 Resp: 6777
 Ion Ratio Lower Upper
 105 100
 120 27.2 13.7 41.0





#78

n-propylbenzene

Concen: 7.438 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX031656.D

Acq: 26 Sep 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

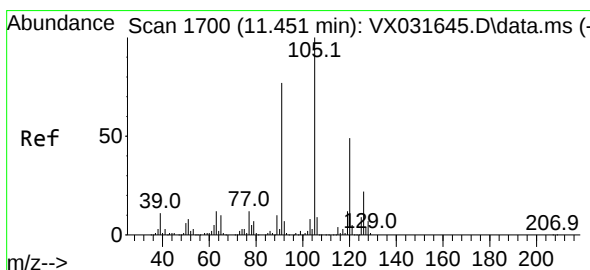
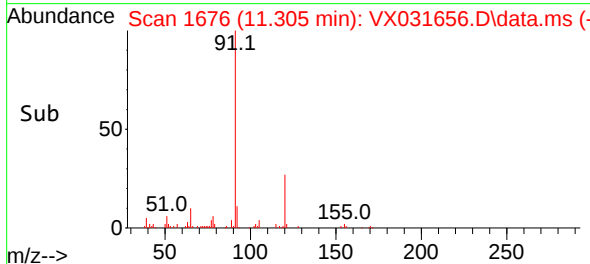
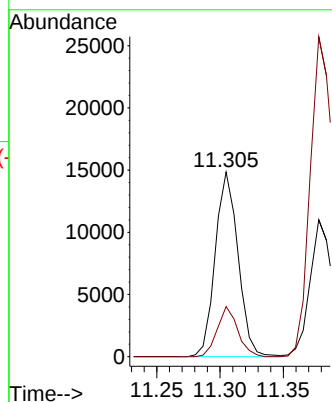
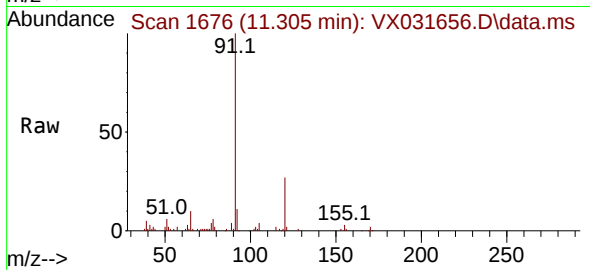
DUP091322DL

Tgt Ion: 91 Resp: 18597

Ion Ratio Lower Upper

91 100

120 24.4 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 21.979 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX031656.D

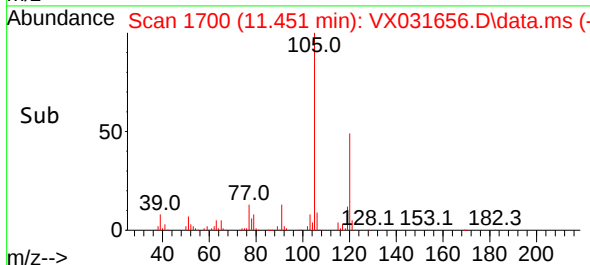
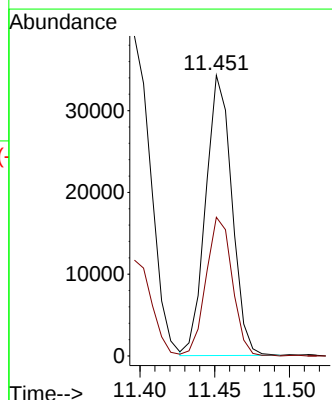
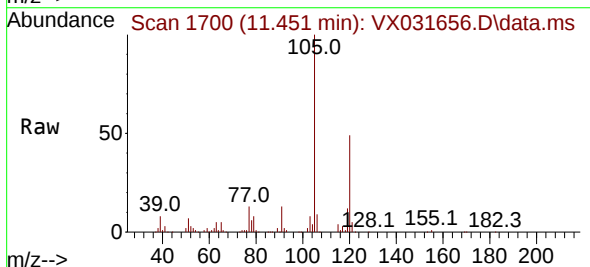
Acq: 26 Sep 2022 18:13

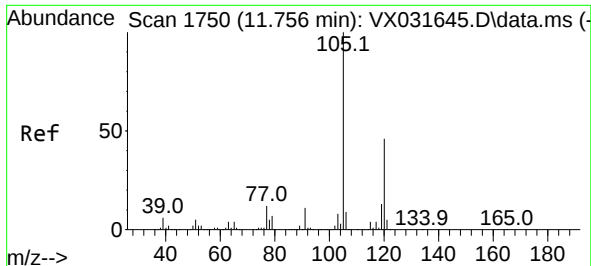
Tgt Ion: 105 Resp: 41859

Ion Ratio Lower Upper

105 100

120 49.5 24.5 73.5

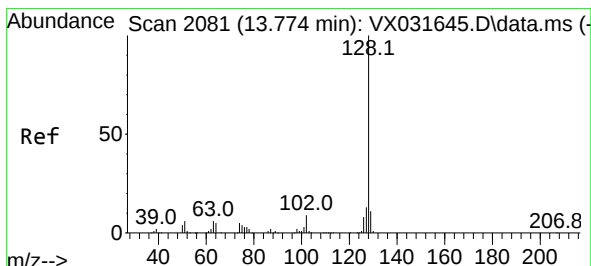
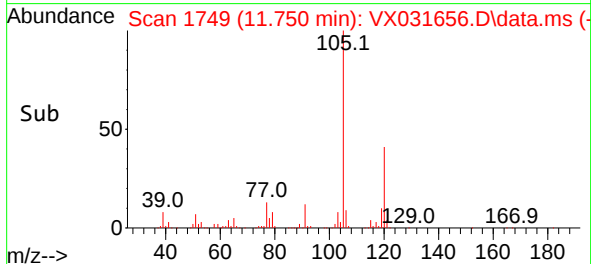
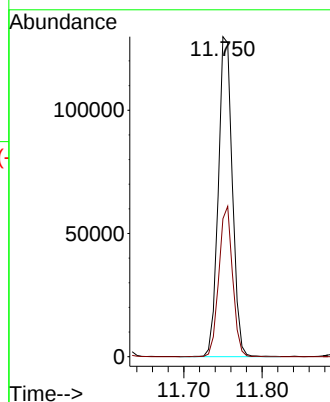
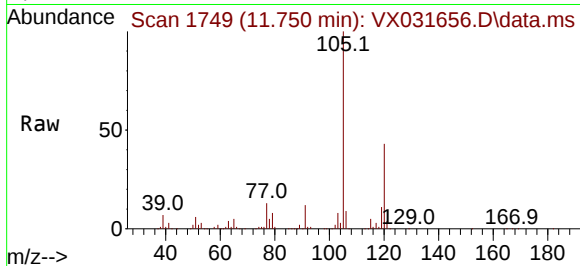




#84
 1,2,4-Trimethylbenzene
 Concen: 85.941 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.006 min
 Lab File: VX031656.D
 Acq: 26 Sep 2022 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP091322DL

Tgt Ion:105 Resp: 162011
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.6 67.8



#95
 Naphthalene
 Concen: 48.943 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. -0.000 min
 Lab File: VX031656.D
 Acq: 26 Sep 2022 18:13

Tgt Ion:128 Resp: 106009
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.4 15.6
 129 11.3 8.8 13.2

