

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029026.D
 Acq On : 27 May 2022 16:00
 Operator : JC/MD
 Sample : N2968-12 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-051922

Quant Time: May 27 22:09:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

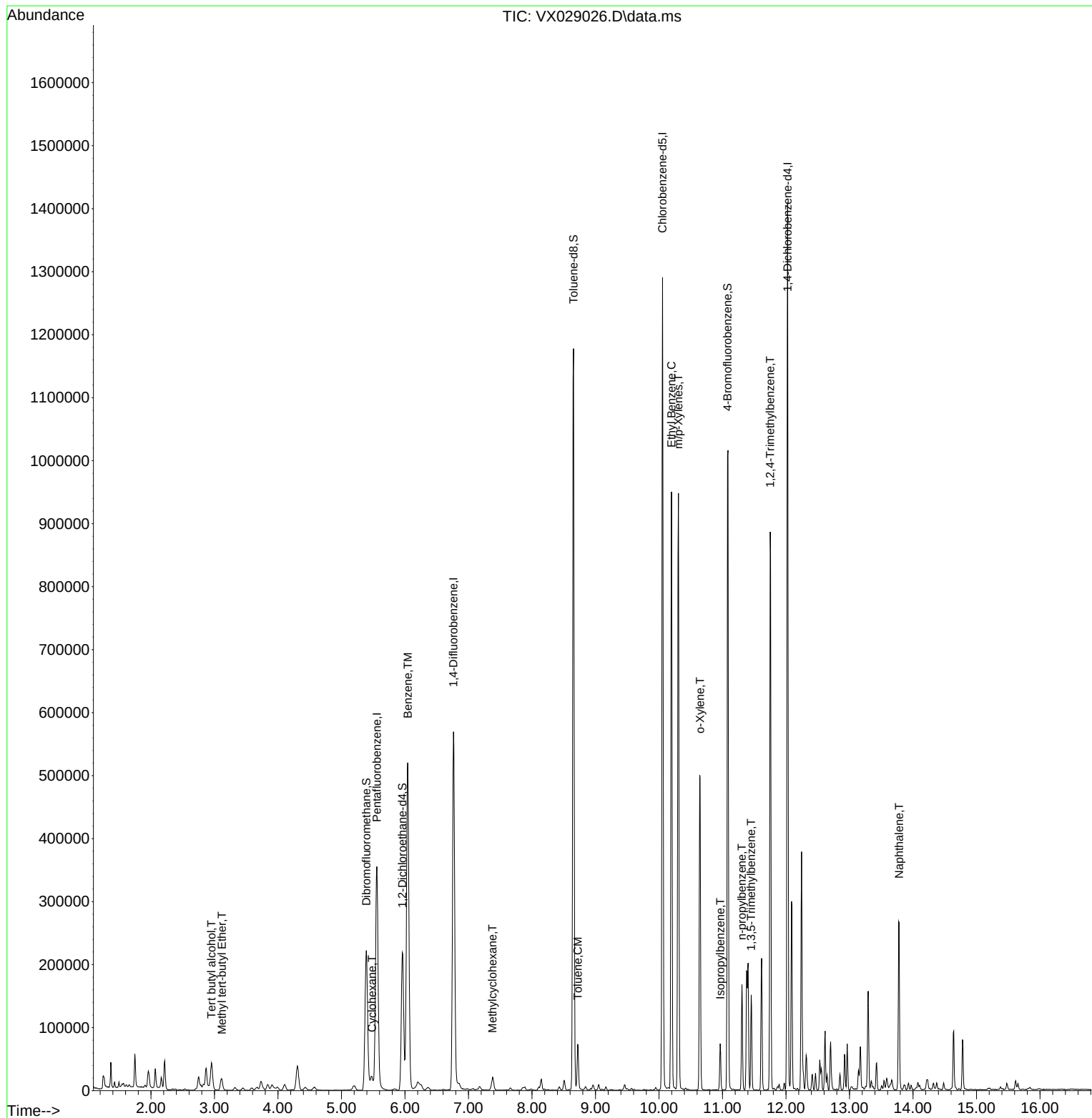
Internal Standards						
1) Pentafluorobenzene	5.556	168	338133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	600037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	583882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	291860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	219063	47.263	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.520%
35) Dibromofluoromethane	5.391	113	196777	50.053	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.100%
50) Toluene-d8	8.653	98	716483	48.339	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.680%
62) 4-Bromofluorobenzene	11.079	95	292629	52.858	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	42952	36.864	ug/l #	93
19) Methyl tert-butyl Ether	3.117	73	14653	1.180	ug/l #	55
31) Cyclohexane	5.483	56	14519	2.257	ug/l #	88
39) Methylcyclohexane	7.379	83	7941	1.173	ug/l #	75
40) Benzene	6.044	78	656963	38.712	ug/l	99
52) Toluene	8.720	92	27856	2.552	ug/l	98
67) Ethyl Benzene	10.195	91	547552	24.662	ug/l	99
68) m/p-Xylenes	10.305	106	227664	26.338	ug/l	97
69) o-Xylene	10.647	106	116279	13.663	ug/l	97
73) Isopropylbenzene	10.964	105	38059	1.720	ug/l	99
78) n-propylbenzene	11.305	91	100623	3.930	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	67931	3.683	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	398129	21.528	ug/l	99
95) Naphthalene	13.780	128	177195	8.544	ug/l	100

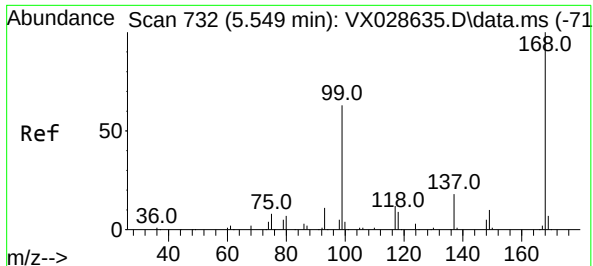
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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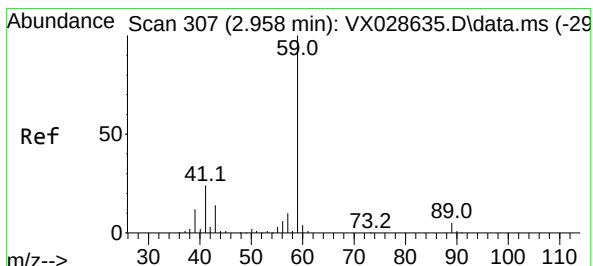
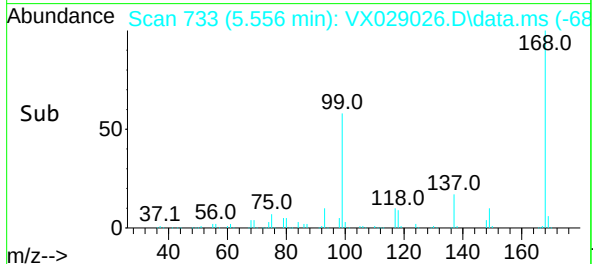
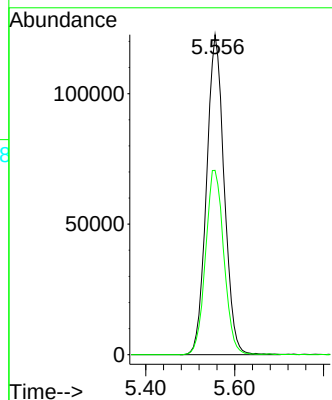
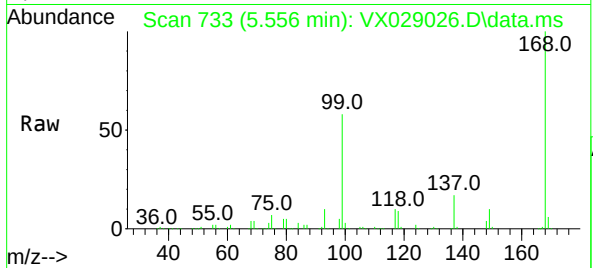




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

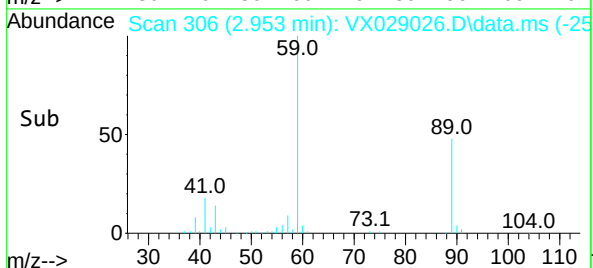
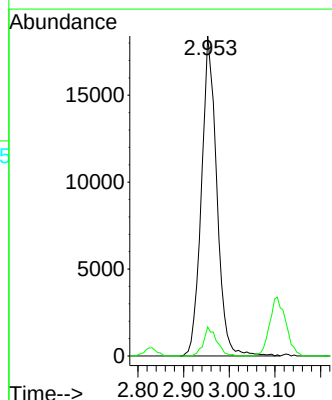
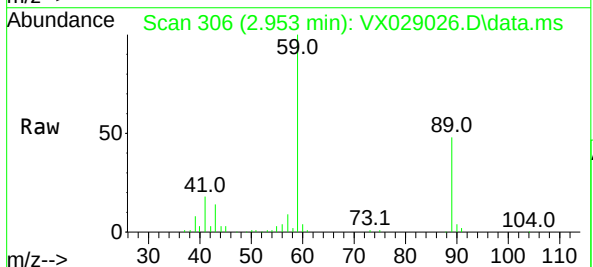
Instrument :
MSVOA_X
ClientSampleId :
DUP-051922

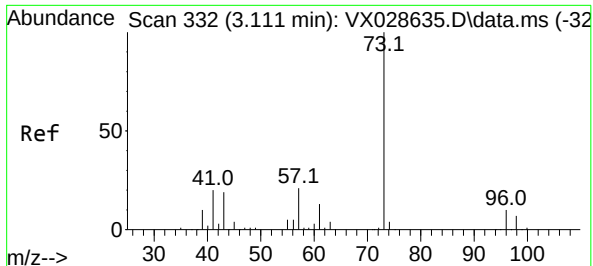
Tgt Ion:168 Resp: 338133
Ion Ratio Lower Upper
168 100
99 57.6 41.7 62.5



#11
Tert butyl alcohol
Concen: 36.864 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

Tgt Ion: 59 Resp: 42952
Ion Ratio Lower Upper
59 100
57 7.8 8.3 12.5#

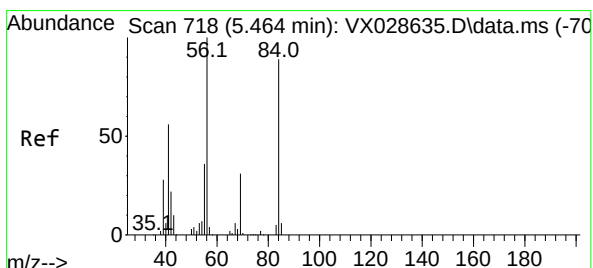
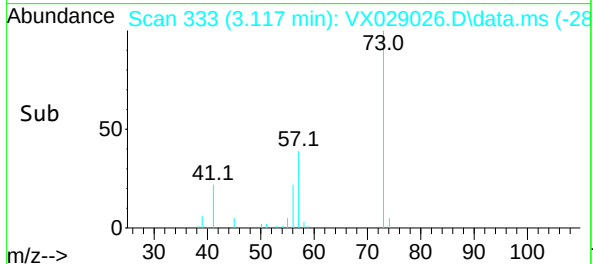
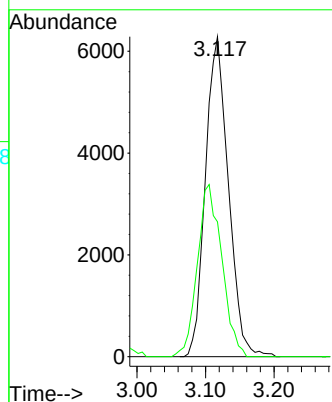
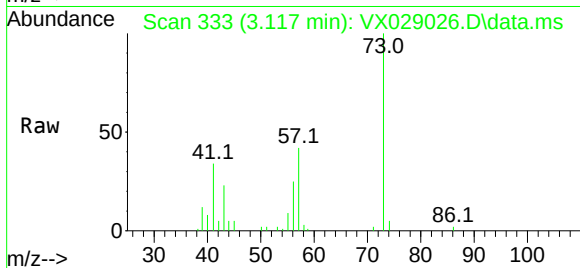




#19
Methyl tert-butyl Ether
Concen: 1.180 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

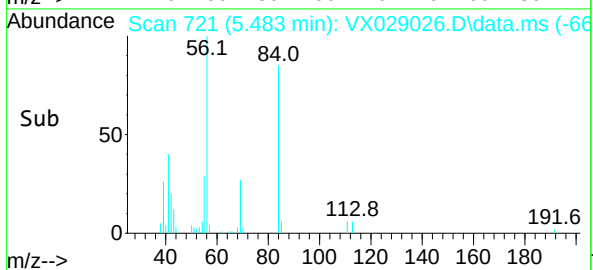
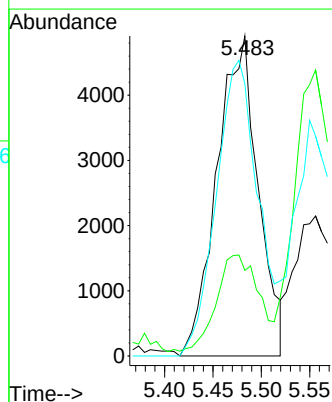
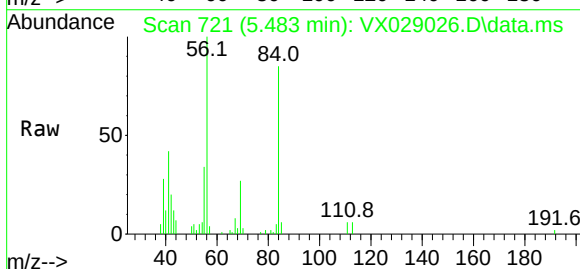
Instrument :
MSVOA_X
ClientSampleId :
DUP-051922

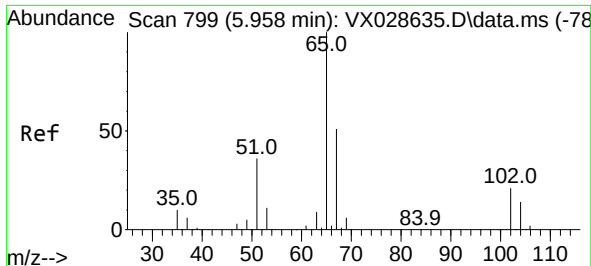
Tgt Ion: 73 Resp: 14653
Ion Ratio Lower Upper
73 100
57 42.1 16.8 25.2#



#31
Cyclohexane
Concen: 2.257 ug/l
RT: 5.483 min Scan# 721
Delta R.T. 0.019 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

Tgt Ion: 56 Resp: 14519
Ion Ratio Lower Upper
56 100
69 25.2 26.7 40.1#
84 85.1 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 47.263 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029026.D

Acq: 27 May 2022 16:00

Instrument :

MSVOA_X

ClientSampleId :

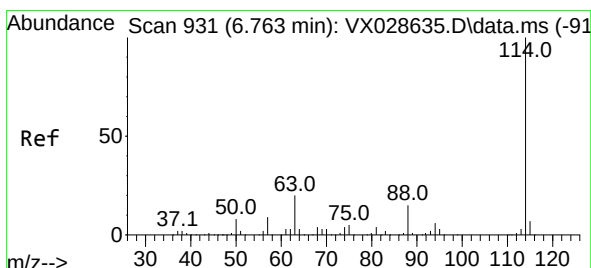
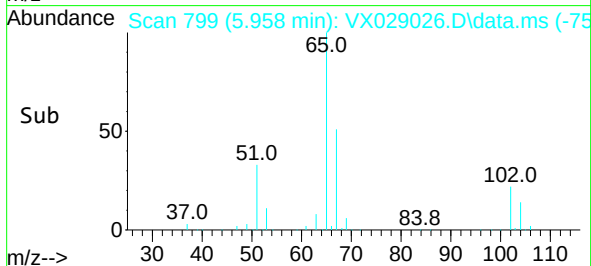
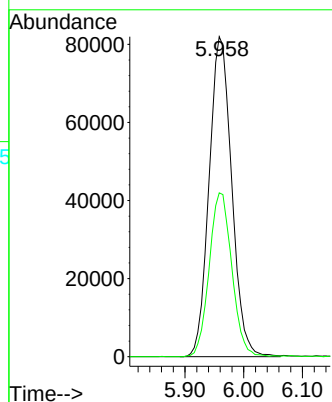
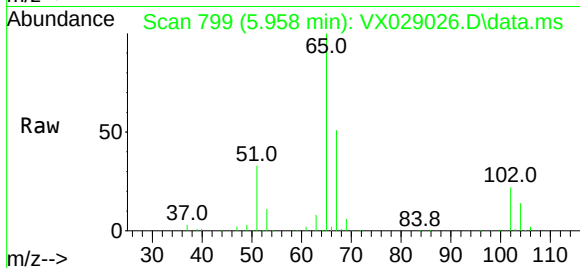
DUP-051922

Tgt Ion: 65 Resp: 219063

Ion Ratio Lower Upper

65 100

67 51.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029026.D

Acq: 27 May 2022 16:00

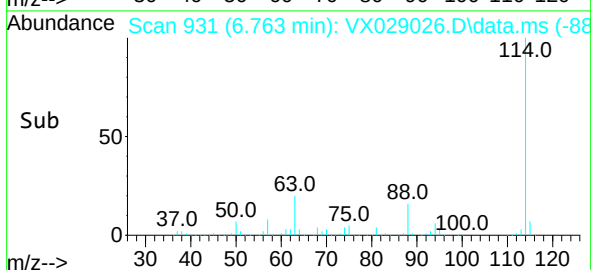
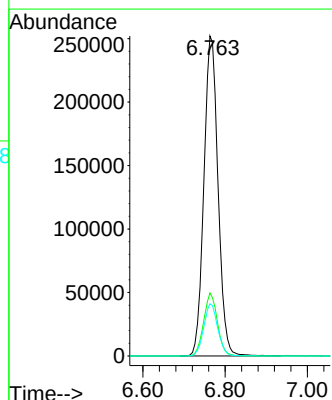
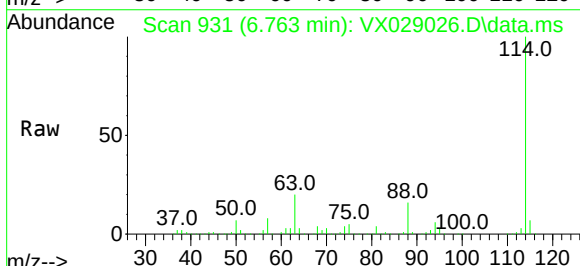
Tgt Ion: 114 Resp: 600037

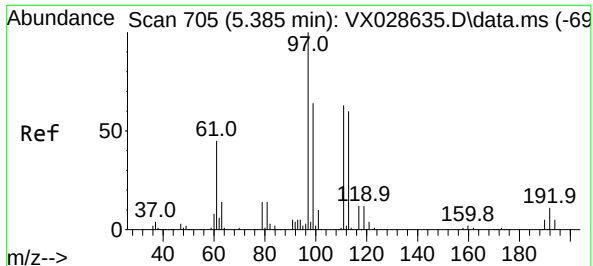
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.8

88 16.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.053 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX029026.D

Acq: 27 May 2022 16:00

Instrument :

MSVOA_X

ClientSampleId :

DUP-051922

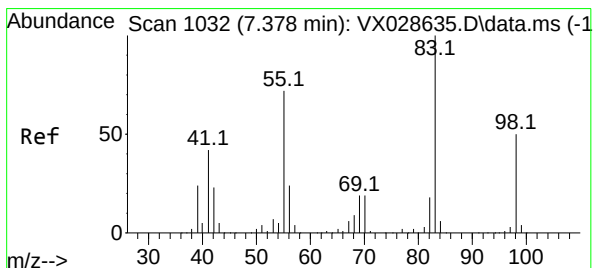
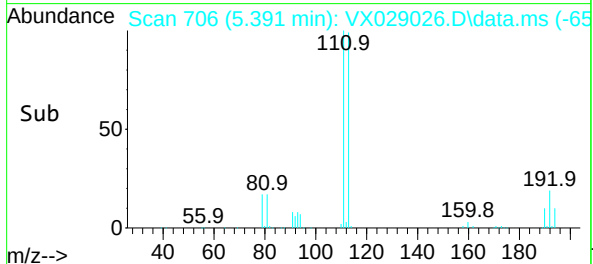
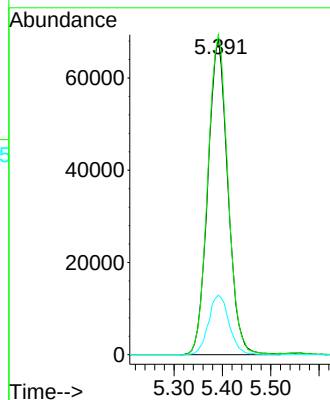
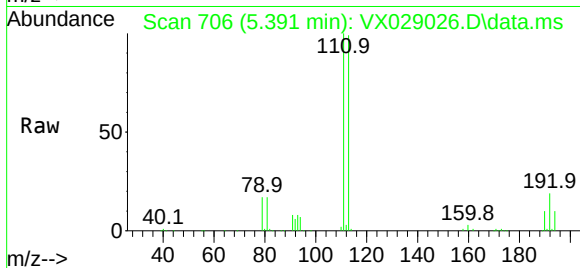
Tgt Ion:113 Resp: 196777

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 19.4 16.9 25.3



#39

Methylcyclohexane

Concen: 1.173 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.001 min

Lab File: VX029026.D

Acq: 27 May 2022 16:00

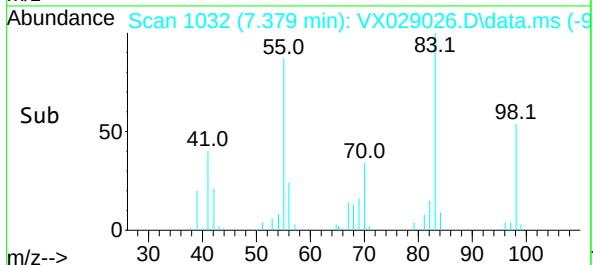
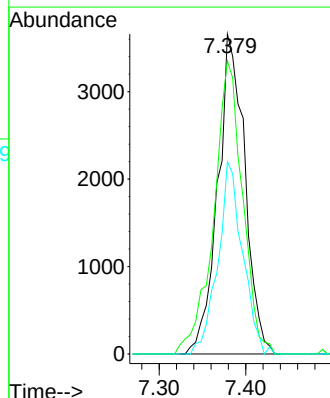
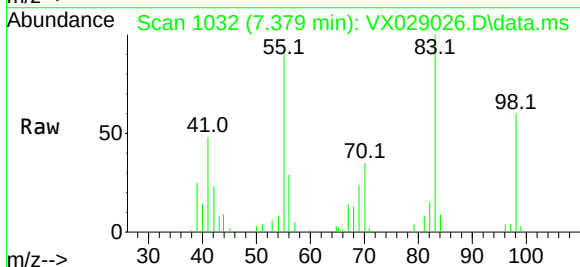
Tgt Ion: 83 Resp: 7941

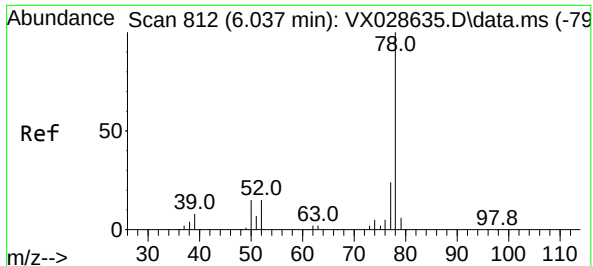
Ion Ratio Lower Upper

83 100

55 91.6 54.6 81.8#

98 60.0 37.4 56.2#

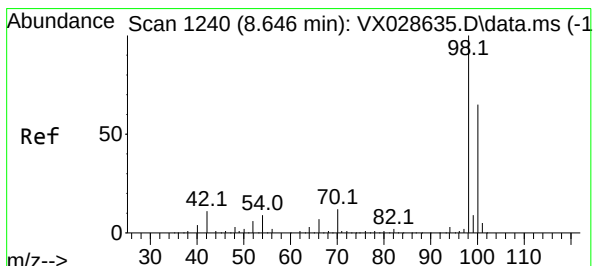
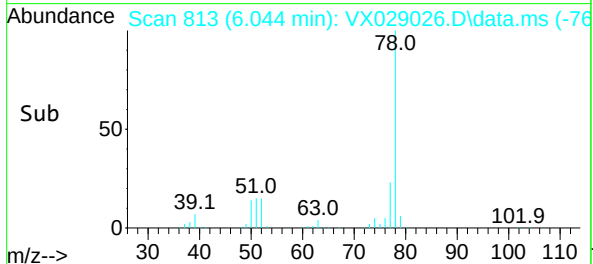
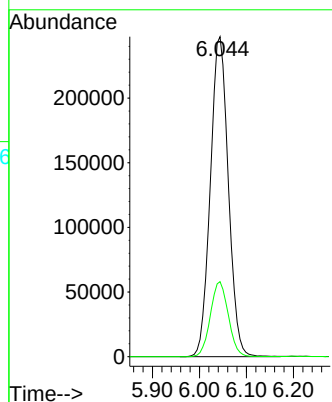
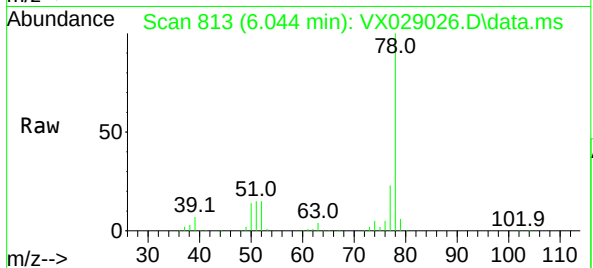




#40
Benzene
Concen: 38.712 ug/l
RT: 6.044 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

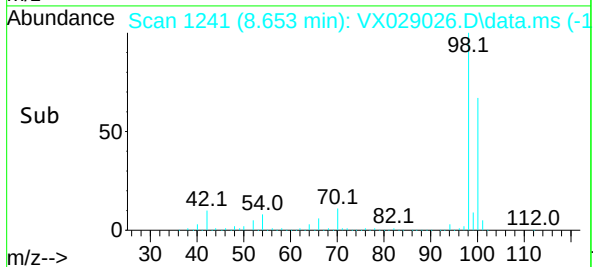
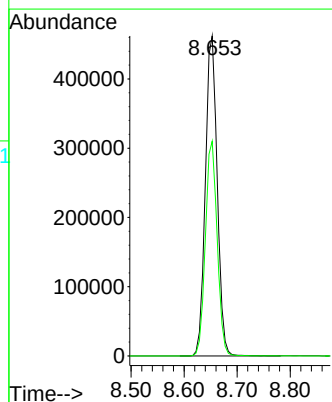
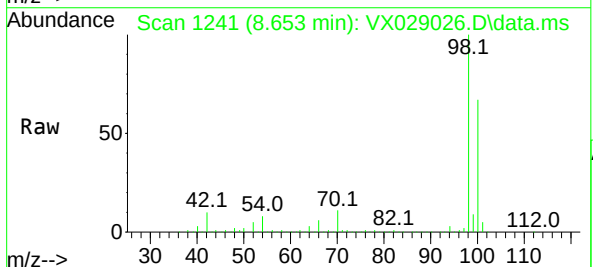
Instrument :
MSVOA_X
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DUP-051922

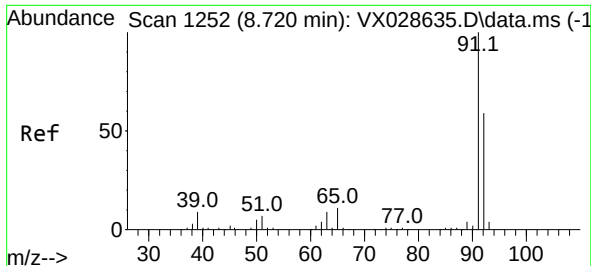
Tgt Ion: 78 Resp: 656963
Ion Ratio Lower Upper
78 100
77 23.4 19.3 28.9



#50
Toluene-d8
Concen: 48.339 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

Tgt Ion: 98 Resp: 716483
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8

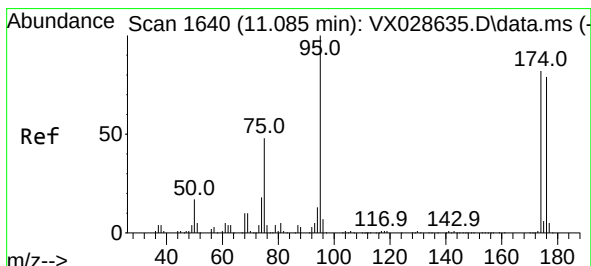
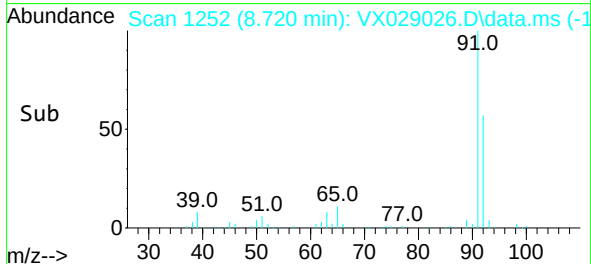
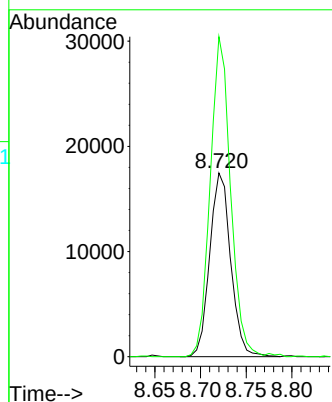
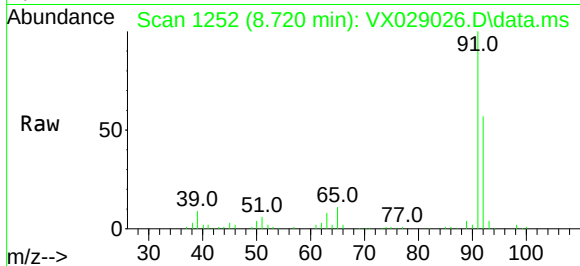




#52
Toluene
Concen: 2.552 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

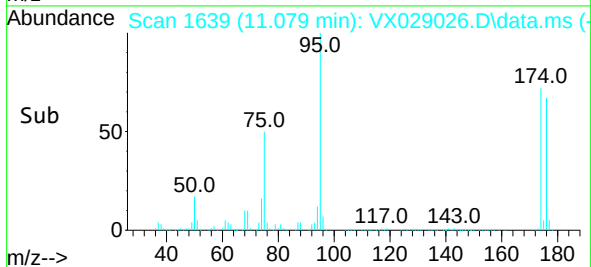
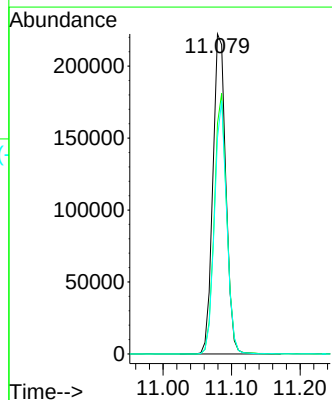
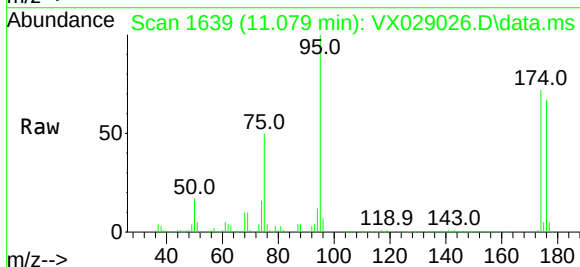
Instrument :
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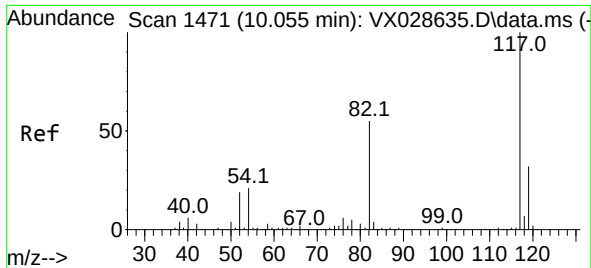
Tgt Ion: 92 Resp: 27856
Ion Ratio Lower Upper
92 100
91 168.7 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 52.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

Tgt Ion: 95 Resp: 292629
Ion Ratio Lower Upper
95 100
174 77.5 0.0 163.0
176 74.6 0.0 155.0

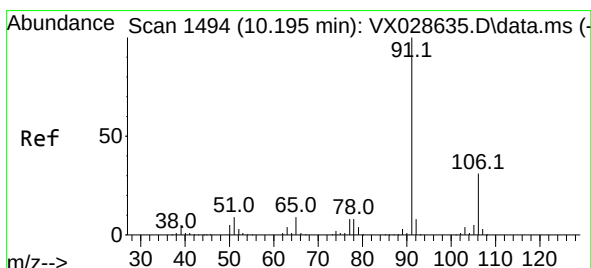
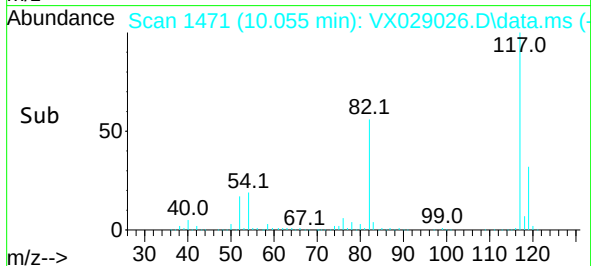
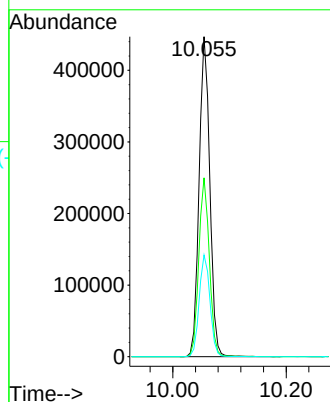
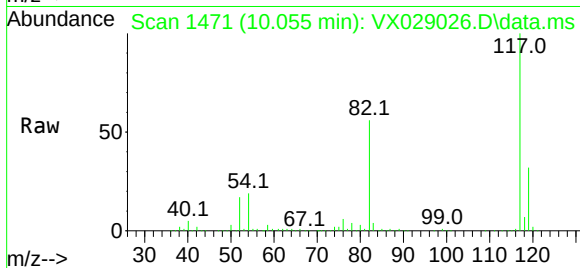




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

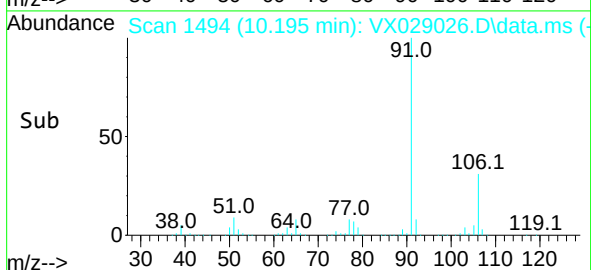
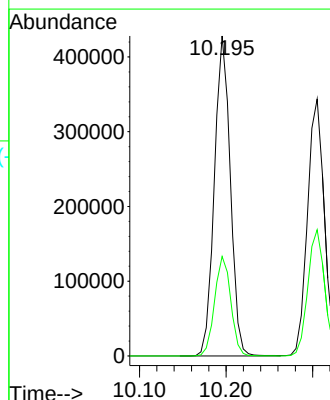
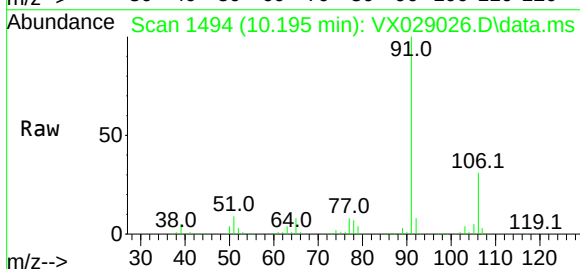
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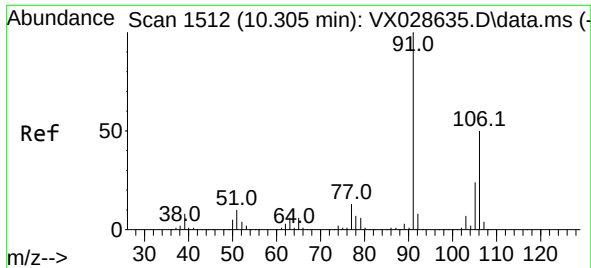
Tgt Ion:117 Resp: 583882
Ion Ratio Lower Upper
117 100
82 55.9 41.8 62.8
119 31.7 24.8 37.2



#67
Ethyl Benzene
Concen: 24.662 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

Tgt Ion: 91 Resp: 547552
Ion Ratio Lower Upper
91 100
106 31.1 24.6 36.8

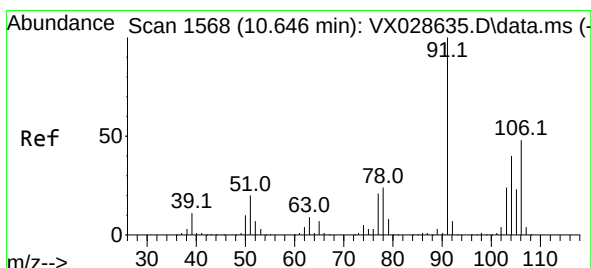
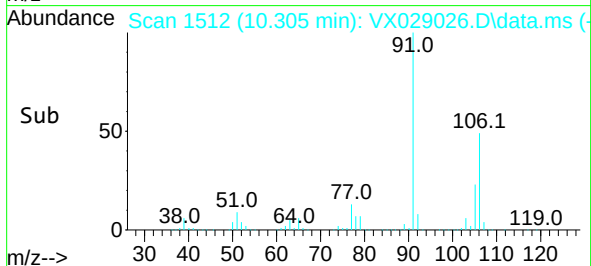
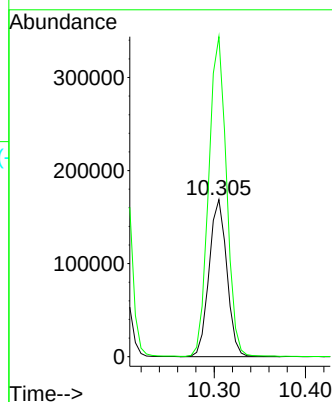
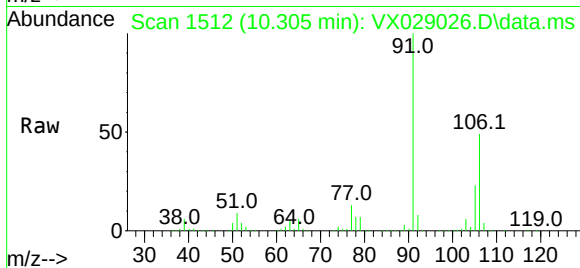




#68
m/p-Xylenes
Concen: 26.338 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

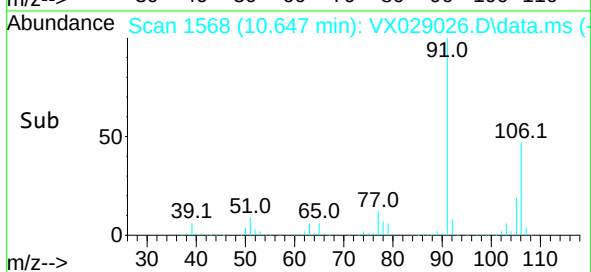
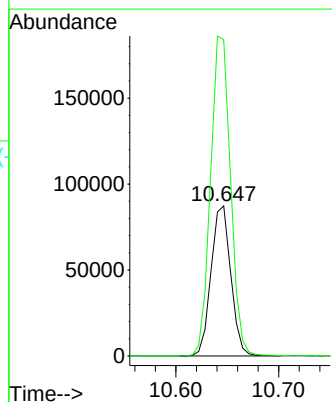
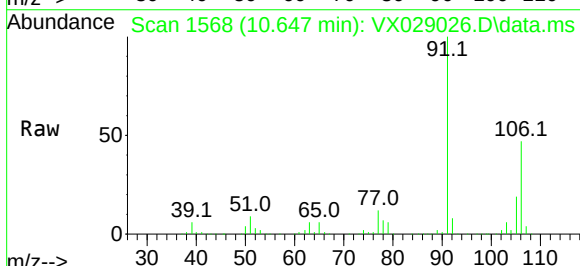
Instrument :
MSVOA_X
ClientSampleId :
DUP-051922

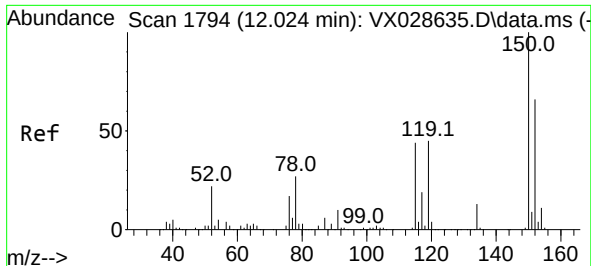
Tgt Ion:106 Resp: 227664
Ion Ratio Lower Upper
106 100
91 204.4 160.4 240.6



#69
o-Xylene
Concen: 13.663 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

Tgt Ion:106 Resp: 116279
Ion Ratio Lower Upper
106 100
91 216.5 106.1 318.1

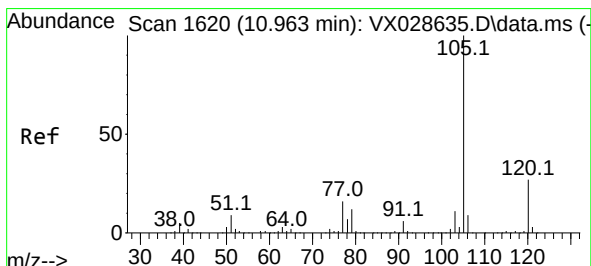
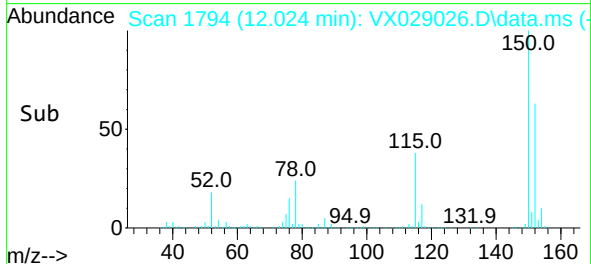
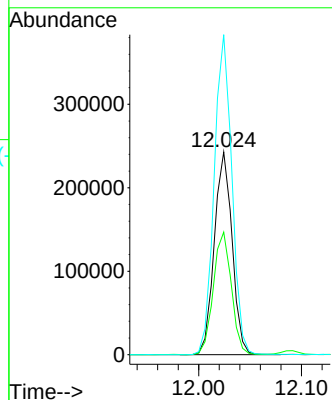
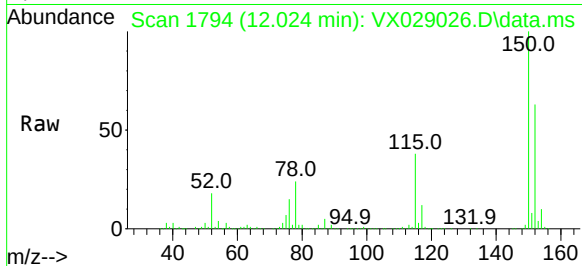




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

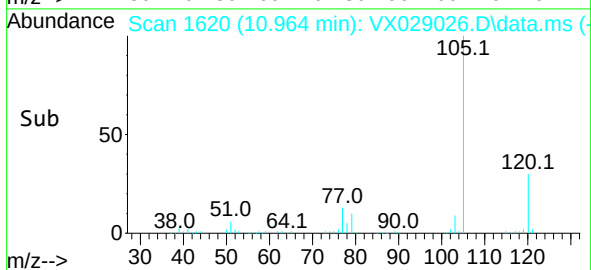
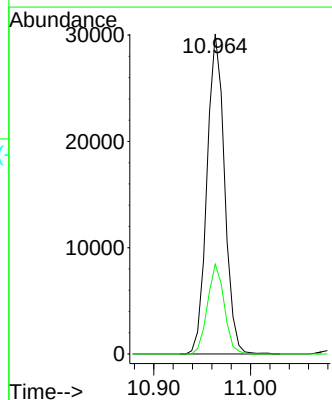
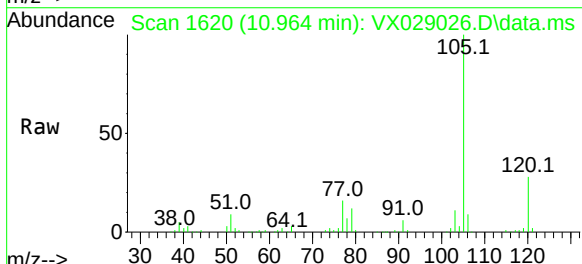
Instrument :
MSVOA_X
ClientSampleId :
DUP-051922

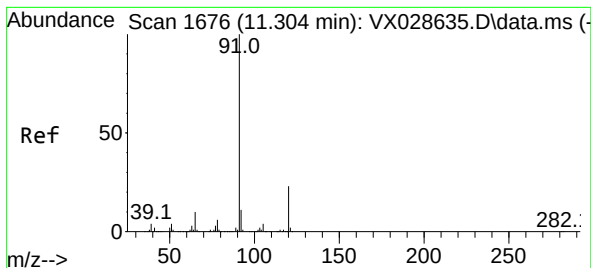
Tgt Ion:152 Resp: 291860
Ion Ratio Lower Upper
152 100
115 61.0 37.5 112.7
150 156.9 0.0 338.2



#73
Isopropylbenzene
Concen: 1.720 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

Tgt Ion:105 Resp: 38059
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.5





#78

n-propylbenzene

Concen: 3.930 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.001 min

Lab File: VX029026.D

Acq: 27 May 2022 16:00

Instrument :

MSVOA_X

ClientSampleId :

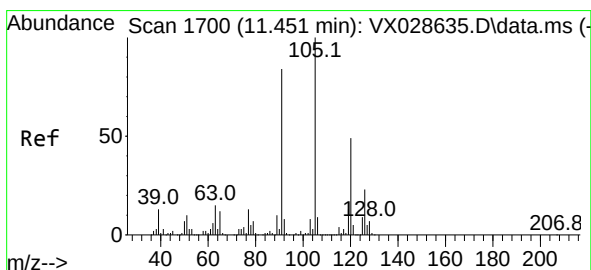
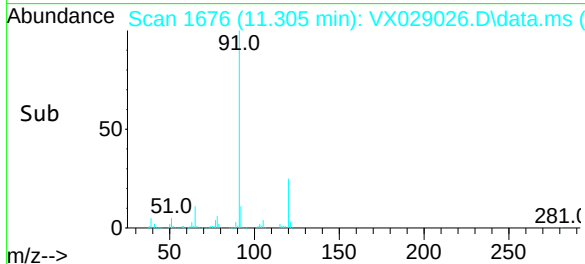
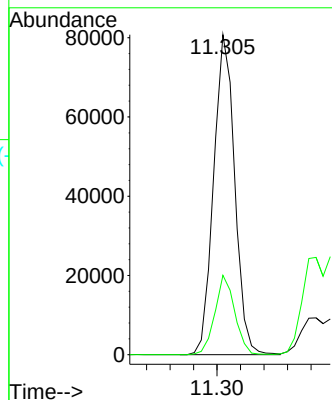
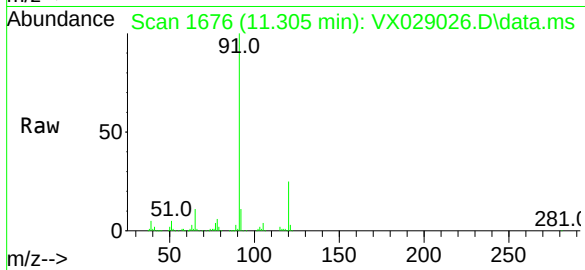
DUP-051922

Tgt Ion: 91 Resp: 100623

Ion Ratio Lower Upper

91 100

120 23.4 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 3.683 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX029026.D

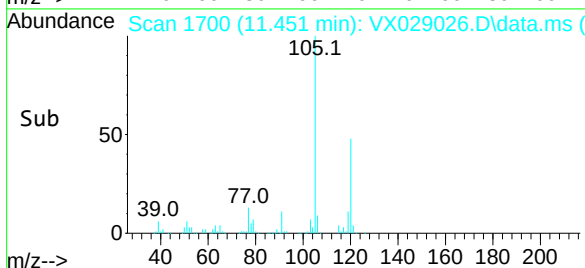
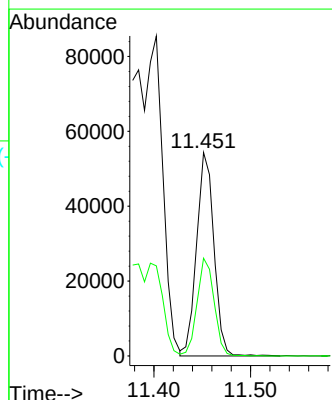
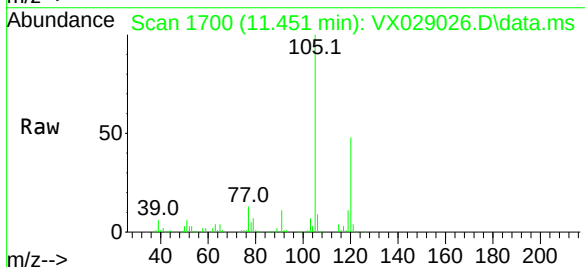
Acq: 27 May 2022 16:00

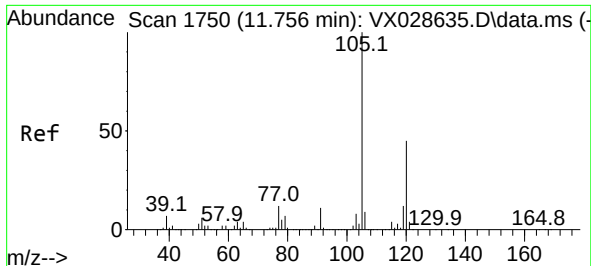
Tgt Ion: 105 Resp: 67931

Ion Ratio Lower Upper

105 100

120 47.1 24.3 72.9

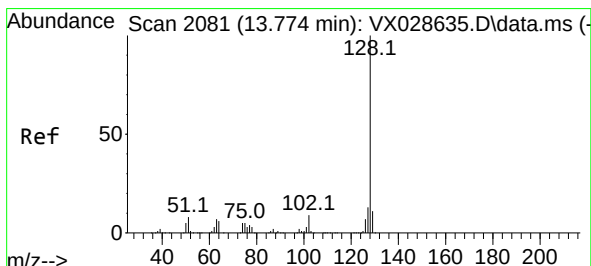
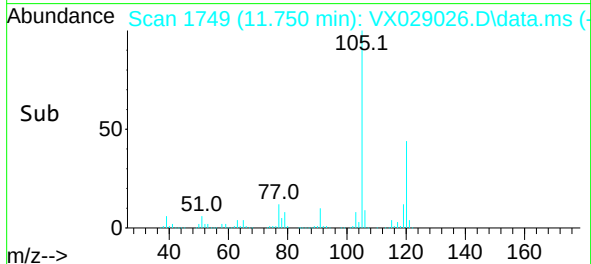
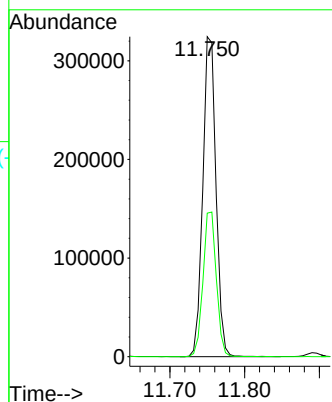
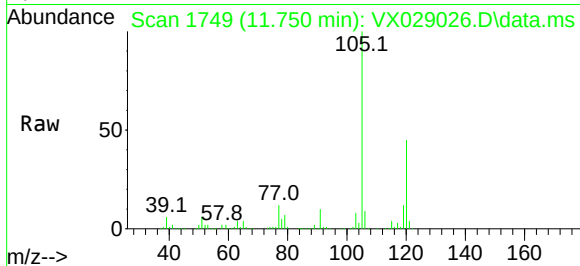




#84
1,2,4-Trimethylbenzene
Concen: 21.528 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

Instrument :
MSVOA_X
ClientSampleId :
DUP-051922

Tgt Ion:105 Resp: 398129
Ion Ratio Lower Upper
105 100
120 45.7 22.6 67.8



#95
Naphthalene
Concen: 8.544 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX029026.D
Acq: 27 May 2022 16:00

Tgt Ion:128 Resp: 177195
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.9 8.7 13.1

