

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062921\
 Data File : VX023004.D
 Acq On : 29 Jun 2021 15:32
 Operator : JC/MD
 Sample : M2875-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Manual Integrations
 APPROVED

Quant Time: Jun 30 01:44:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	56075	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	117414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	105412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42118	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.971	65	62449	61.366	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 122.740%#	
35) Dibromofluoromethane	5.397	113	37020	49.651	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.300%	
50) Toluene-d8	8.653	98	147763	50.566	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	11.085	95	60869	55.813	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.620%	

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Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	1300	6.129	ug/l	# 73
16) Acetone	2.386	43	4272	9.469	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	68946	26.428	ug/l	# 82
25) 2-Butanone	4.581	43	1881	2.681	ug/l	98
31) Cyclohexane	5.477	56	33000	22.969	ug/l	90
39) Methylcyclohexane	7.385	83	62250	42.790	ug/l	# 85
40) Benzene	6.050	78	377698	105.028	ug/l	99
52) Toluene	8.720	92	6418	2.952	ug/l	94
64) Tetrachloroethene	9.281	164	605	0.817	ug/l	96
67) Ethyl Benzene	10.195	91	13098	3.204	ug/l	99
68) m/p-Xylenes	10.305	106	39320	25.902	ug/l	88
69) o-Xylene	10.647	106	5035	3.408	ug/l	93
73) Isopropylbenzene	10.964	105	109104	30.615	ug/l	99
78) n-propylbenzene	11.305	91	144773	33.574	ug/l	96
80) 1,3,5-Trimethylbenzene	11.457	105	5809	1.985	ug/l	98
83) tert-Butylbenzene	11.720	119	3071m	1.111	ug/l	
84) 1,2,4-Trimethylbenzene	11.756	105	11570	3.928	ug/l	95
85) sec-Butylbenzene	11.890	105	27461	7.368	ug/l	98
86) p-Isopropyltoluene	12.012	119	4850	1.638	ug/l	# 51
89) n-Butylbenzene	12.335	91	19140m	6.797	ug/l	
95) Naphthalene	13.780	128	100049	29.943	ug/l	99

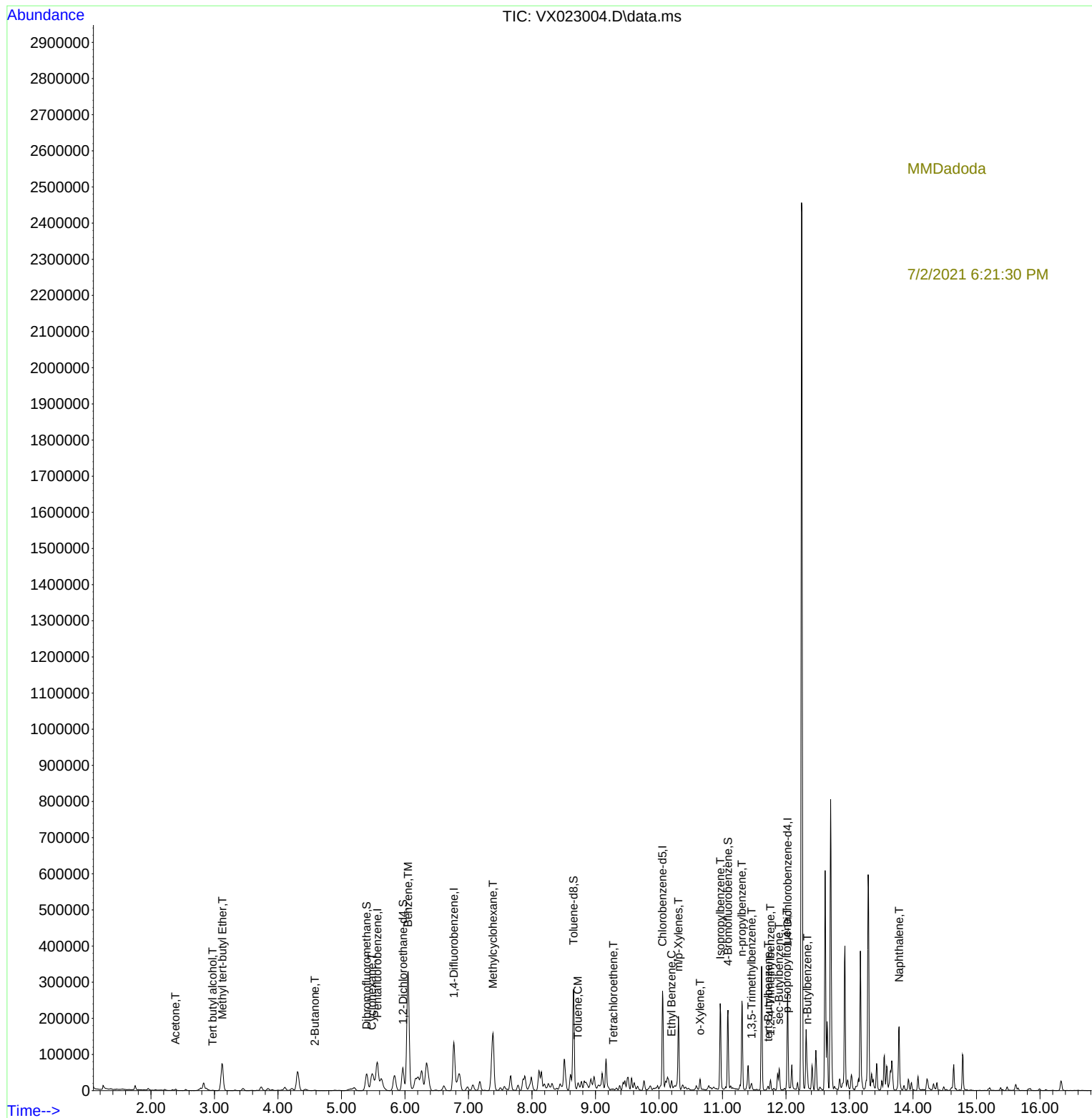
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
MW-5

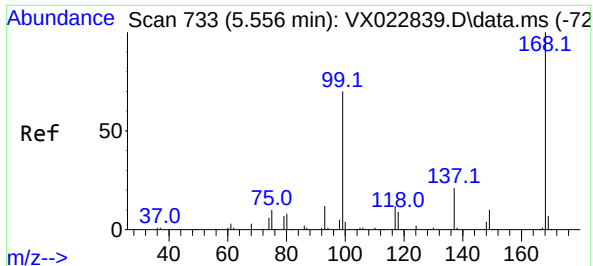
Manual Integrations
APPROVED

Quant Time: Jun 30 01:44:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
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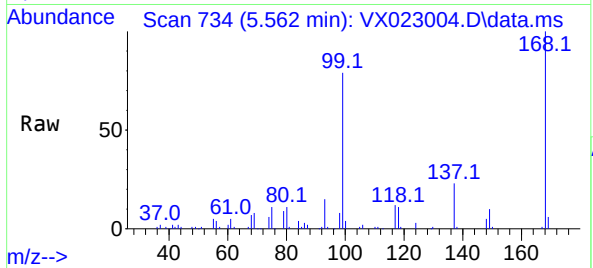


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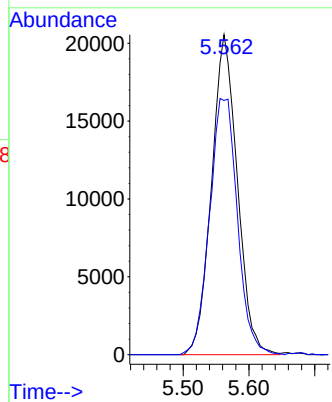
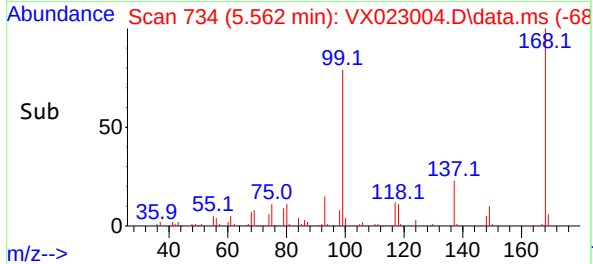
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32



Tgt Ion:168 Resp: 56075
Ion Ratio Lower Upper
168 100
99 79.5 45.8 68.6#

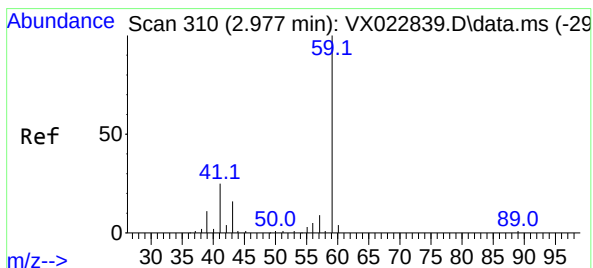


Instrument :
MSVOA_X
ClientSampled :
MW-5

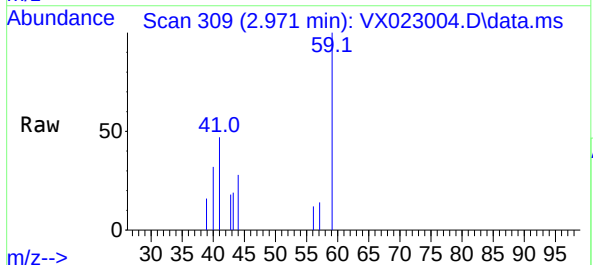
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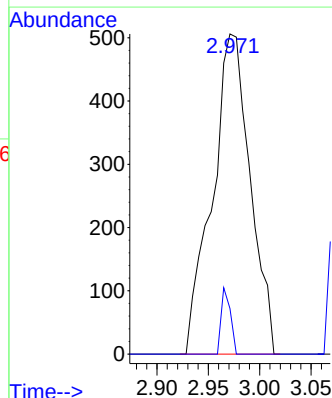
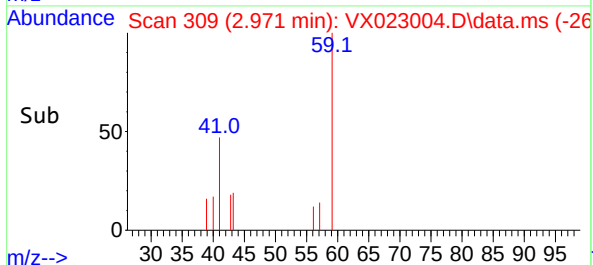
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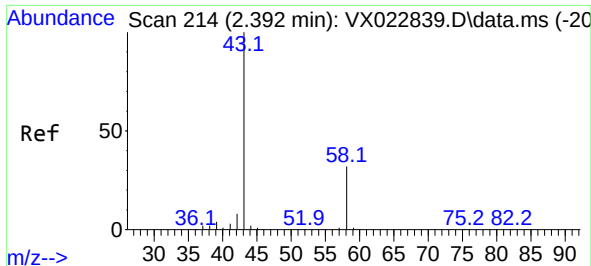


#11
Tert butyl alcohol
Concen: 6.129 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32



Tgt Ion: 59 Resp: 1300
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



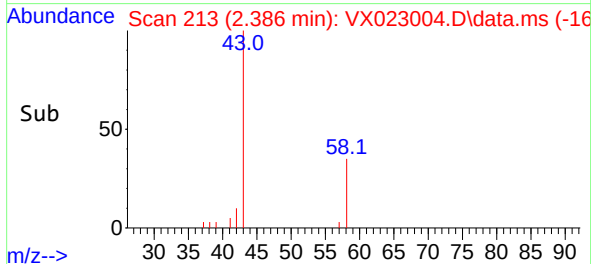
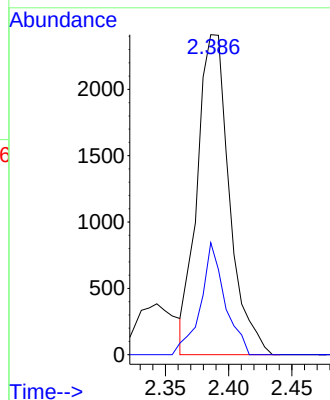
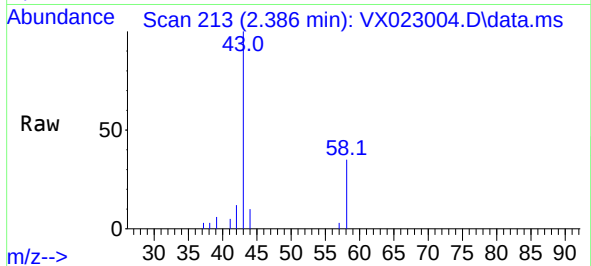


#16
Acetone
Concen: 9.469 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 43 Resp: 4272
Ion Ratio Lower Upper
43 100
58 35.0 27.8 41.8

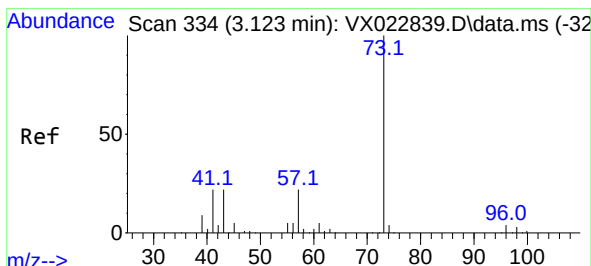
Instrument :
MSVOA_X
ClientSampled :
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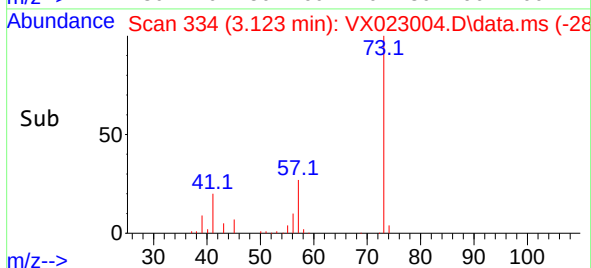
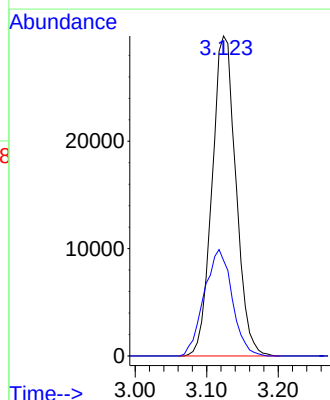
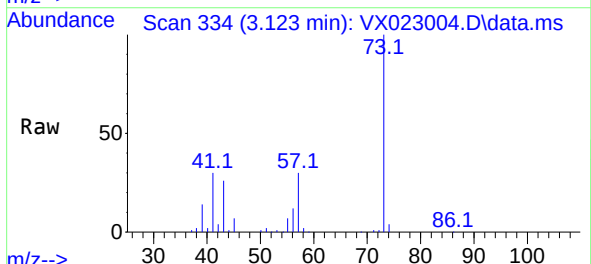
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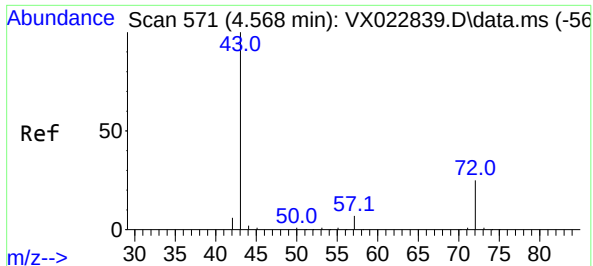
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#19
Methyl tert-butyl Ether
Concen: 26.428 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 73 Resp: 68946
Ion Ratio Lower Upper
73 100
57 29.9 17.1 25.7#



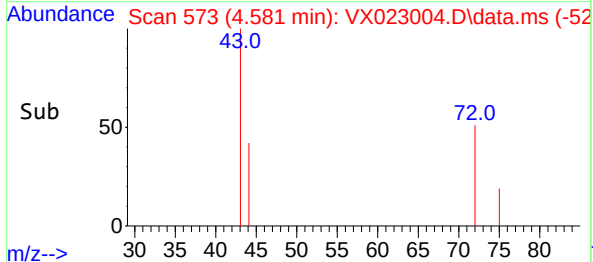
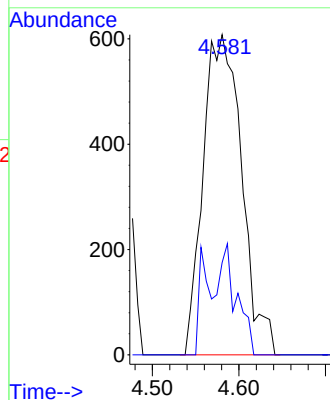
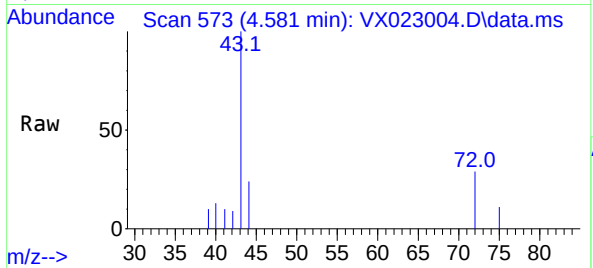


#25
2-Butanone
Concen: 2.681 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
72 28.8 23.7 35.5

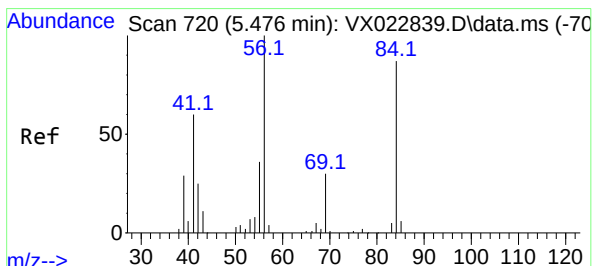
Instrument :
MSVOA_X
ClientSampled :
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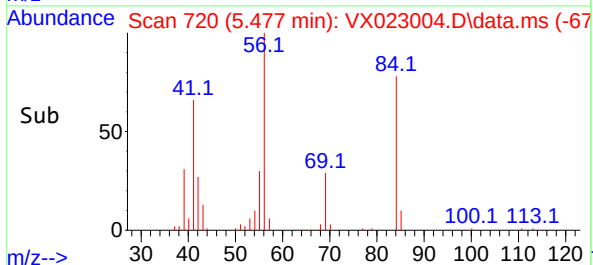
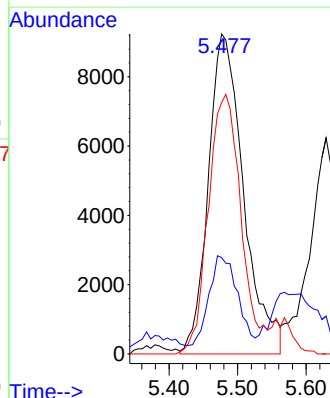
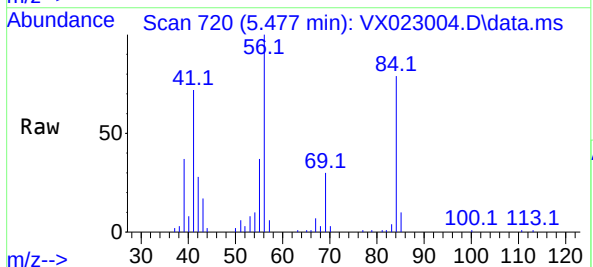
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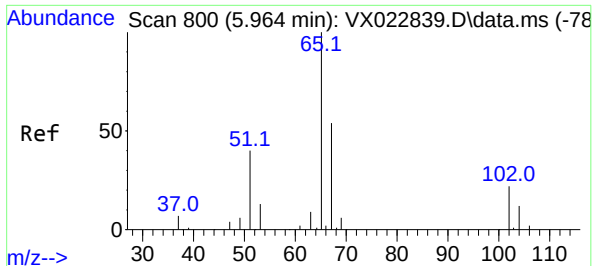
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#31
Cyclohexane
Concen: 22.969 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.001 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 56 Resp: 33000
Ion Ratio Lower Upper
56 100
69 27.2 25.3 37.9
84 78.6 71.4 107.0





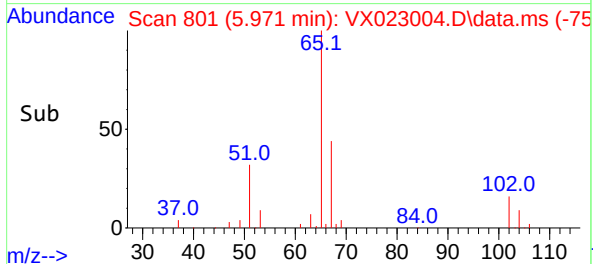
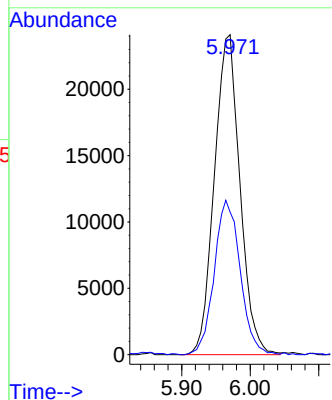
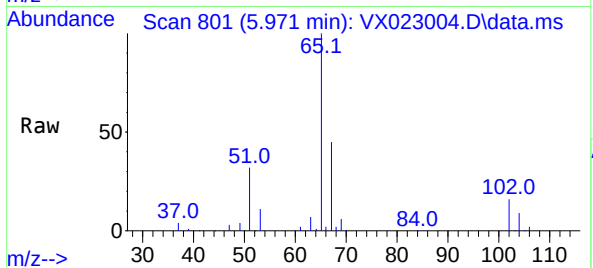
#33

1,2-Dichloroethane-d4
Concen: 61.366 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 65 Resp: 62449
Ion Ratio Lower Upper
65 100
67 49.0 0.0 105.4

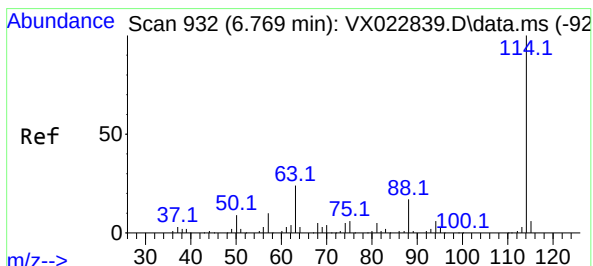
Instrument :
MSVOA_X
ClientSampled :
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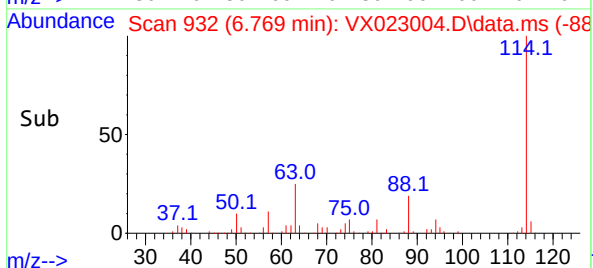
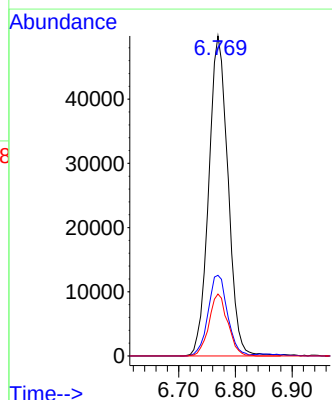
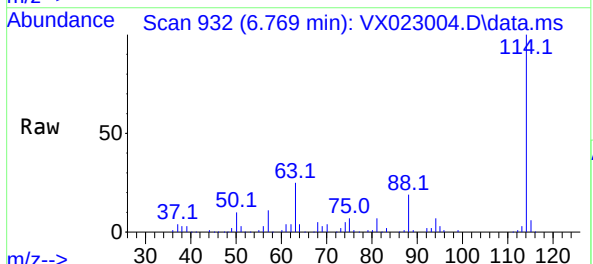
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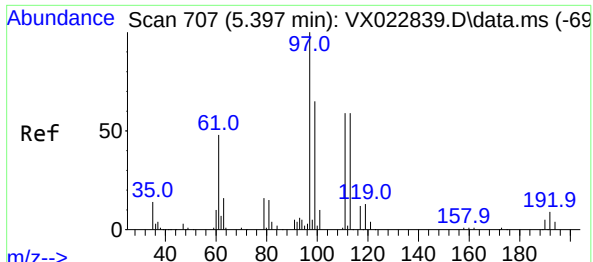


#34

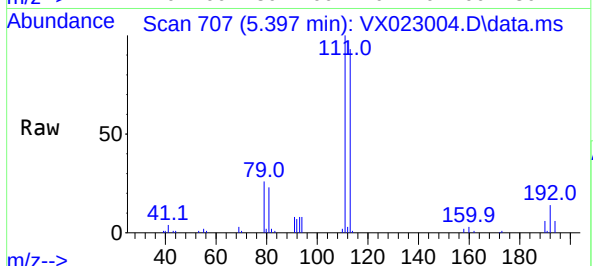
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion:114 Resp: 117414
Ion Ratio Lower Upper
114 100
63 25.2 0.0 40.8
88 19.4 0.0 32.8

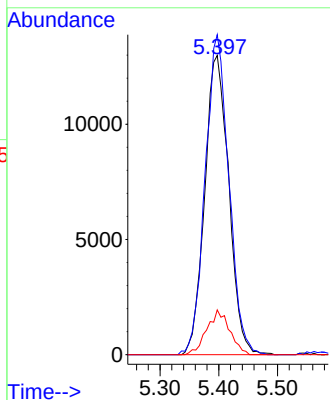
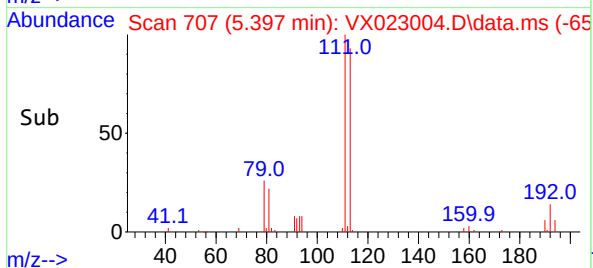




#35
Dibromofluoromethane
Concen: 49.651 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32



Tgt Ion:113 Resp: 37020
Ion Ratio Lower Upper
113 100
111 105.2 81.9 122.9
192 14.1 16.7 25.1#

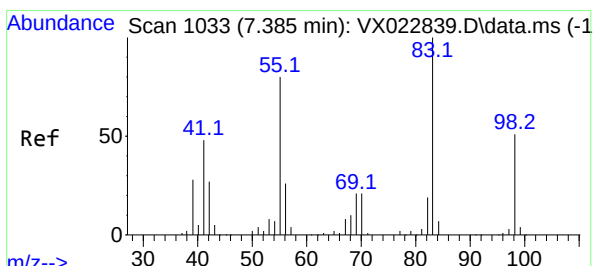


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MSVOA_X
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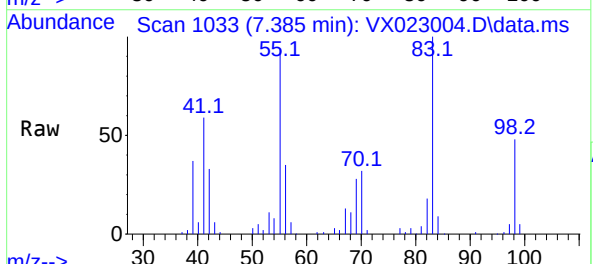
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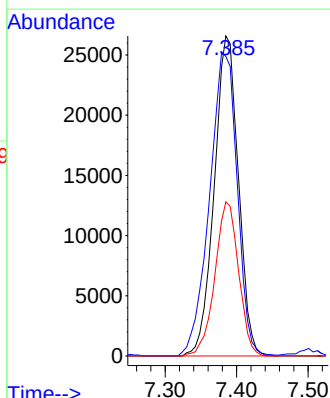
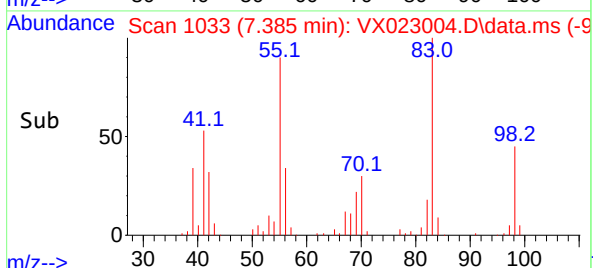
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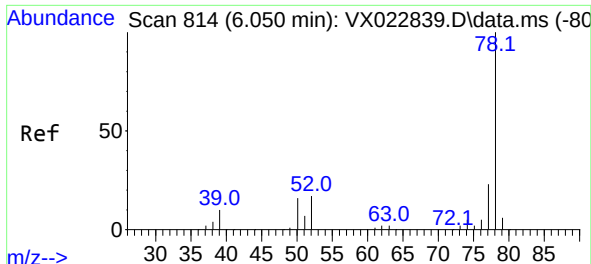


#39
Methylcyclohexane
Concen: 42.790 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32



Tgt Ion: 83 Resp: 62250
Ion Ratio Lower Upper
83 100
55 93.6 58.9 88.3#
98 48.2 38.1 57.1



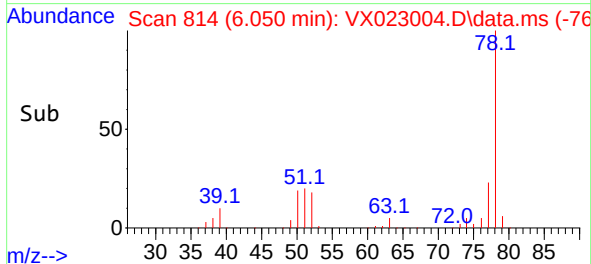
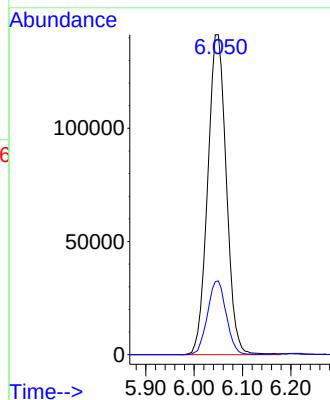
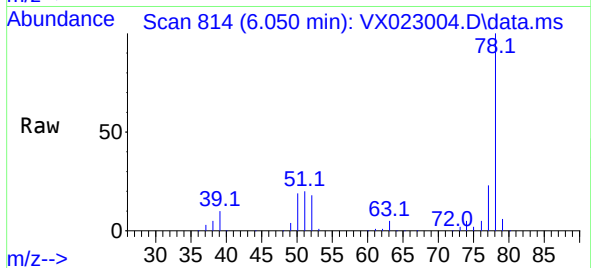


#40
Benzene
Concen: 105.028 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Instrument :
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ClientSampled :
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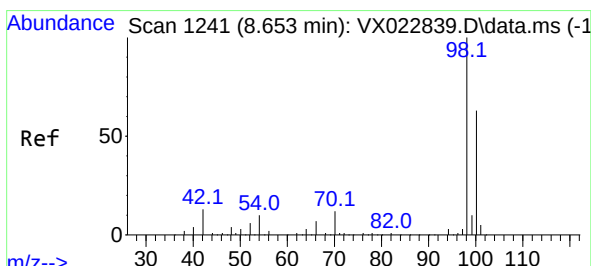
Tgt Ion: 78 Resp: 377698
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3

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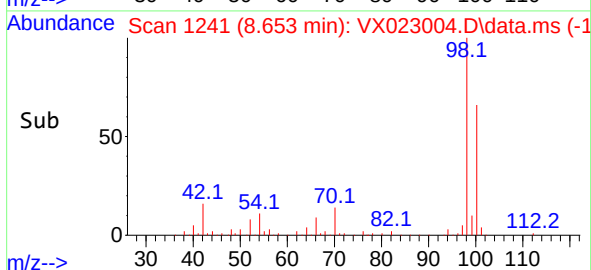
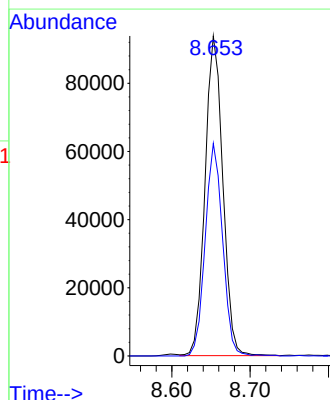
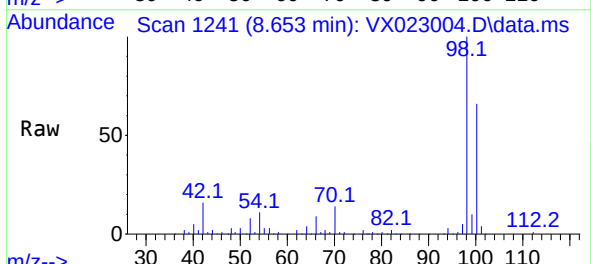
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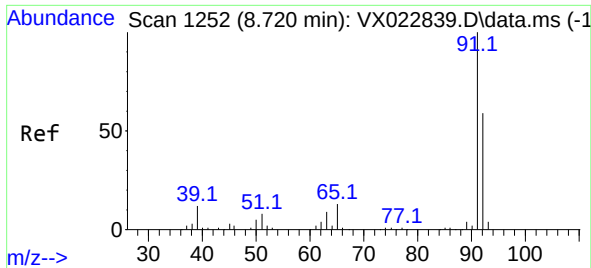
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#50
Toluene-d8
Concen: 50.566 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 98 Resp: 147763
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



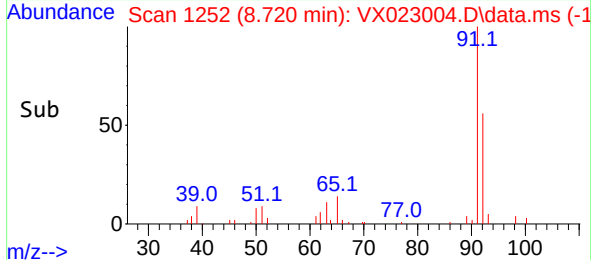
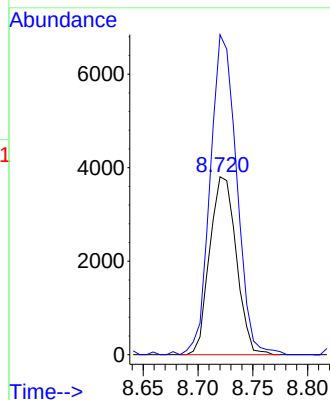
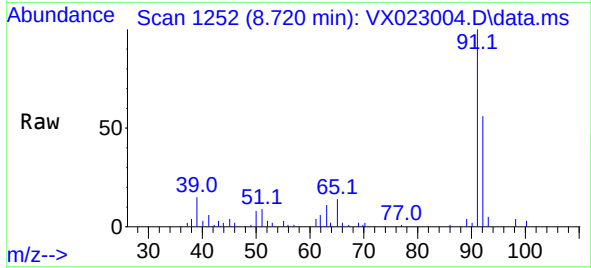


#52
Toluene
Concen: 2.952 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 92 Resp: 6418
Ion Ratio Lower Upper
92 100
91 179.4 137.1 205.7

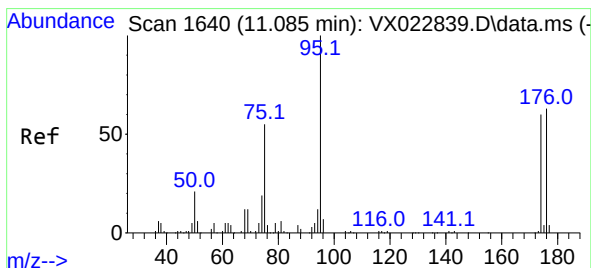
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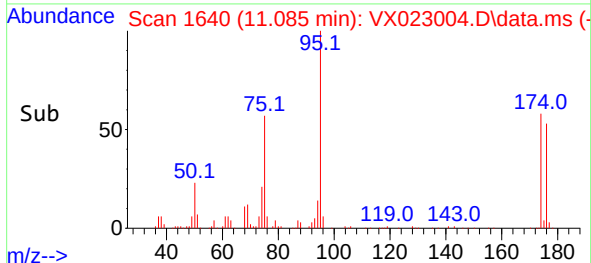
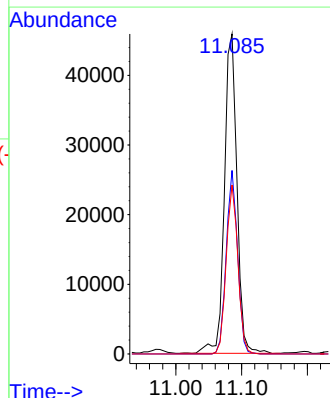
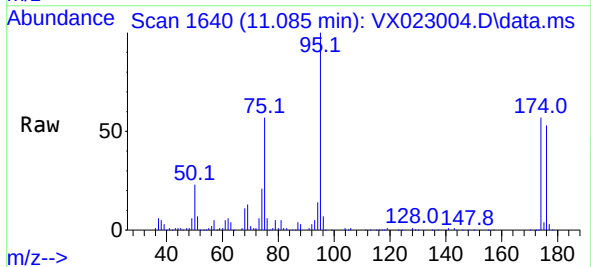
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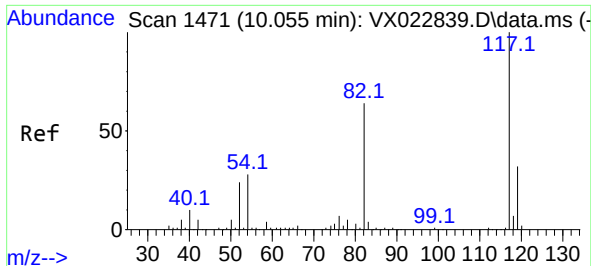
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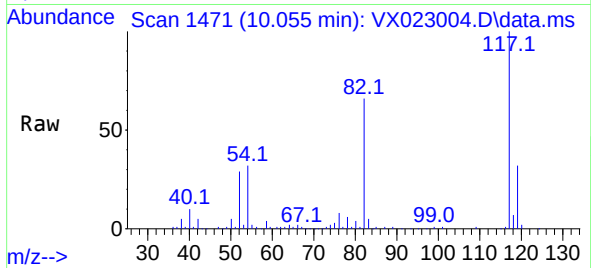
#62
4-Bromofluorobenzene
Concen: 55.813 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 95 Resp: 60869
Ion Ratio Lower Upper
95 100
174 51.8 0.0 154.6
176 49.2 0.0 155.8

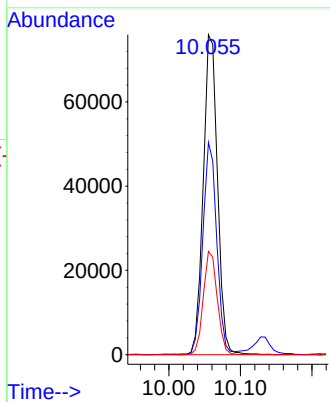
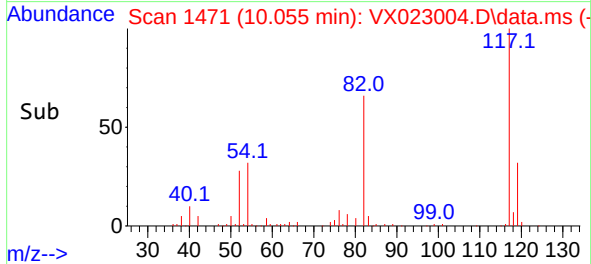




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32



Tgt Ion:117 Resp: 105412
Ion Ratio Lower Upper
117 100
82 66.2 47.4 71.2
119 32.3 26.6 39.8

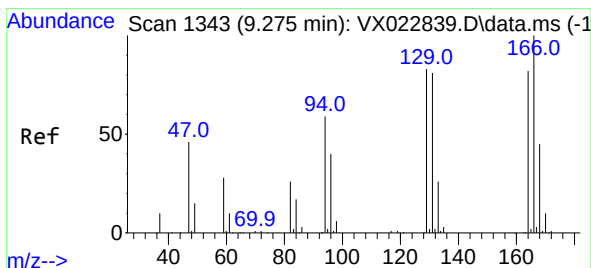


Instrument :
MSVOA_X
ClientSampled :
MW-5

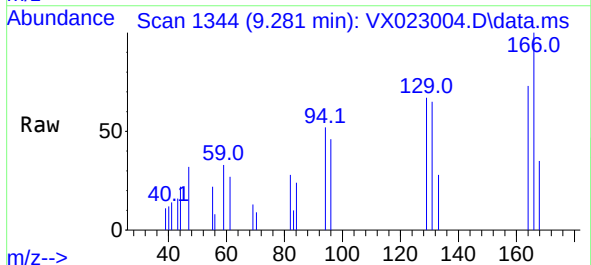
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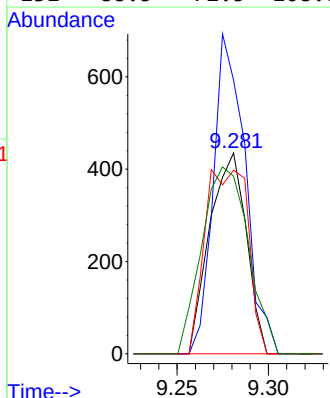
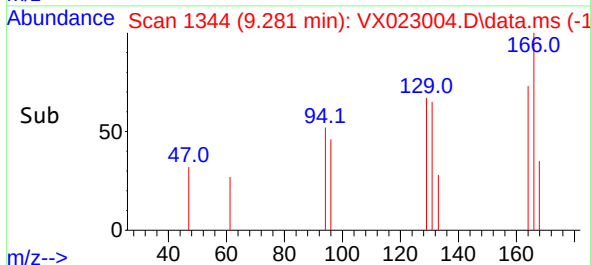
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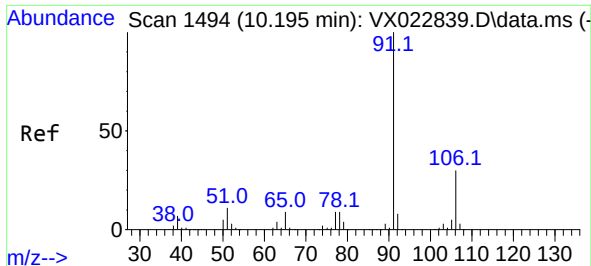


#64
Tetrachloroethene
Concen: 0.817 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32



Tgt Ion:164 Resp: 605
Ion Ratio Lower Upper
164 100
166 136.3 103.4 155.2
129 91.5 70.8 106.2
131 88.5 72.5 108.7



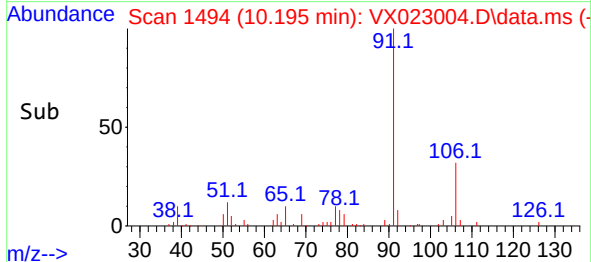
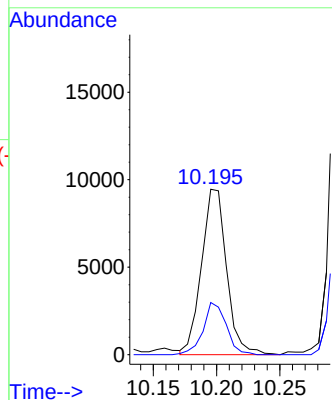
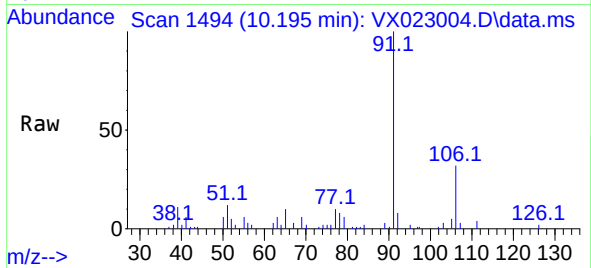


#67
Ethyl Benzene
Concen: 3.204 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 91 Resp: 13098
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0

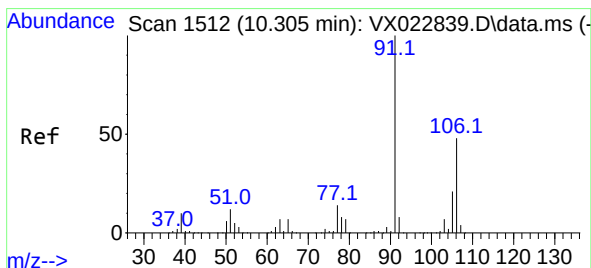
Instrument :
MSVOA_X
ClientSampled :
MW-5

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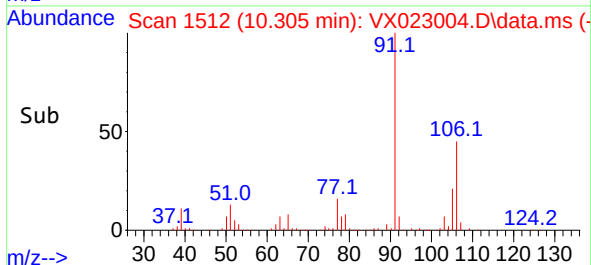
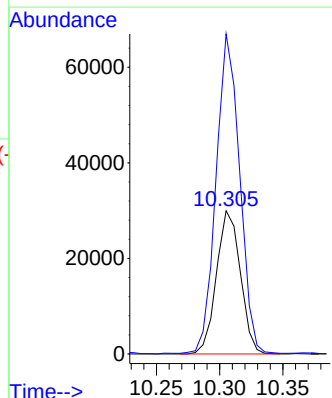
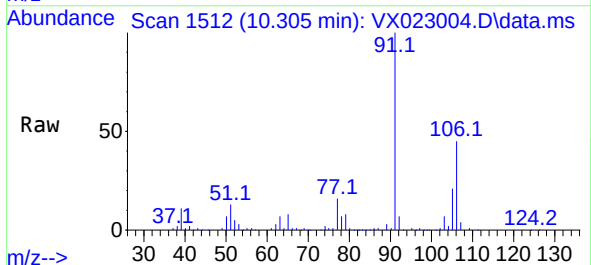
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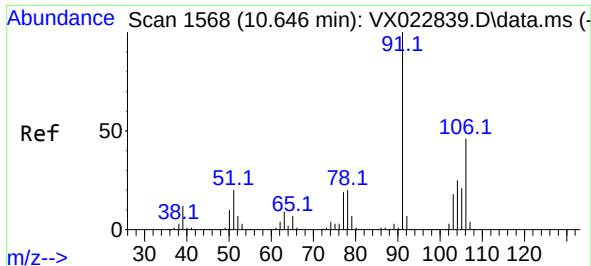
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#68
m/p-Xylenes
Concen: 25.902 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 106 Resp: 39320
Ion Ratio Lower Upper
106 100
91 221.7 162.8 244.2



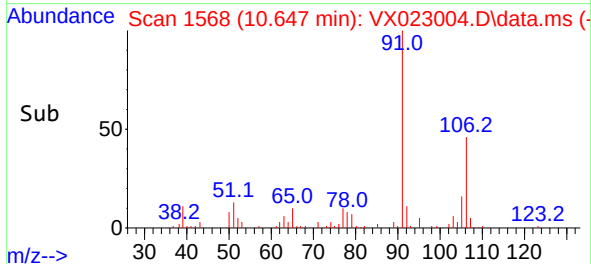
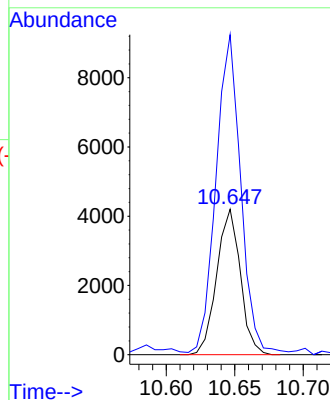
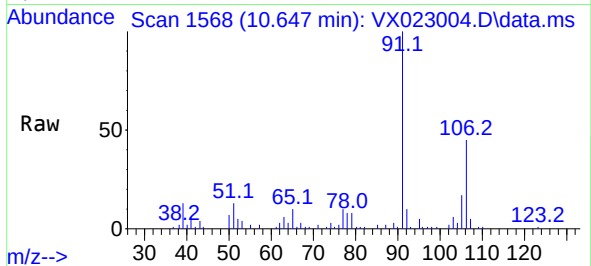


#69
o-Xylene
Concen: 3.408 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion:106 Resp: 5035
Ion Ratio Lower Upper
106 100
91 227.9 108.1 324.2

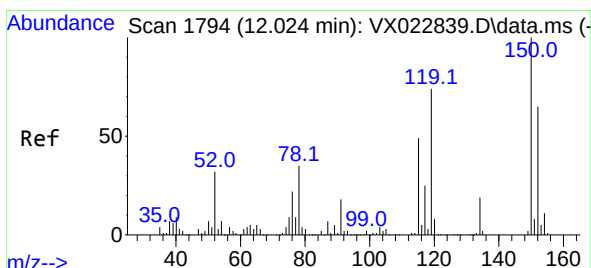
Instrument :
MSVOA_X
ClientSampled :
MW-5

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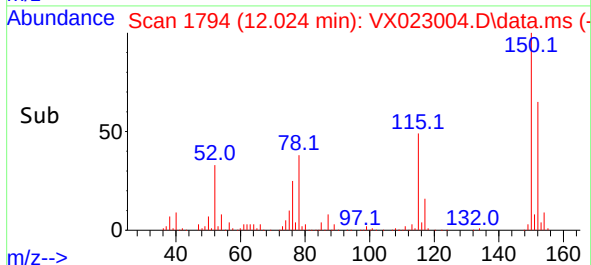
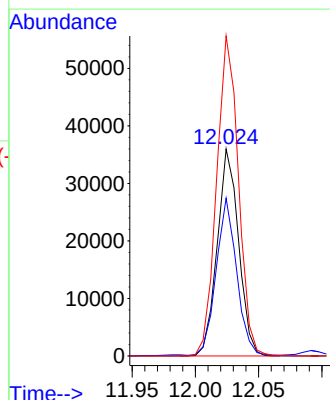
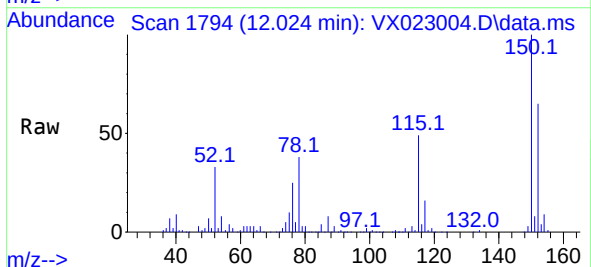
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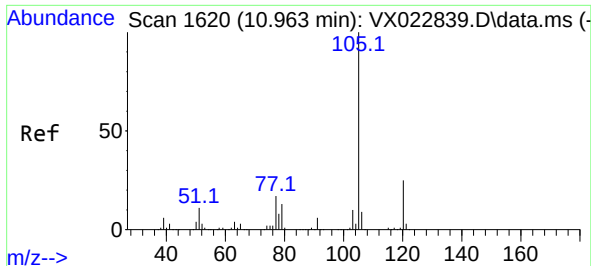
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion:152 Resp: 42118
Ion Ratio Lower Upper
152 100
115 72.6 41.1 123.3
150 158.1 0.0 349.0



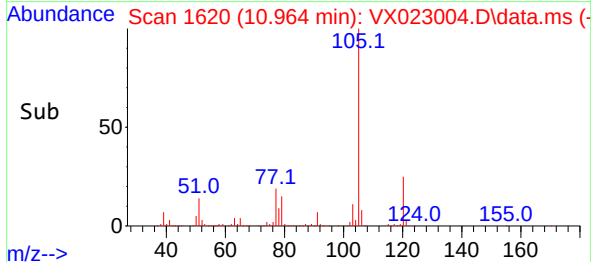
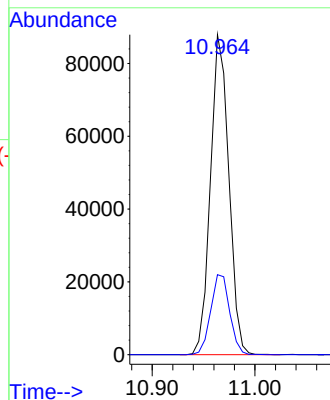
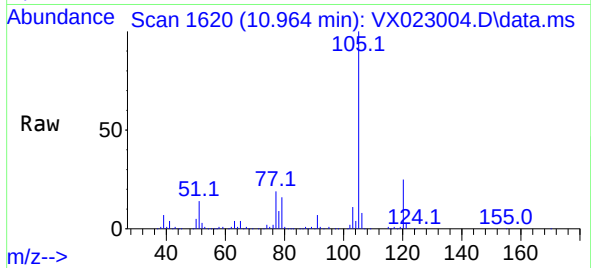


#73
Isopropylbenzene
Concen: 30.615 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 105 Resp: 109104
Ion Ratio Lower Upper
105 100
120 25.8 13.2 39.6

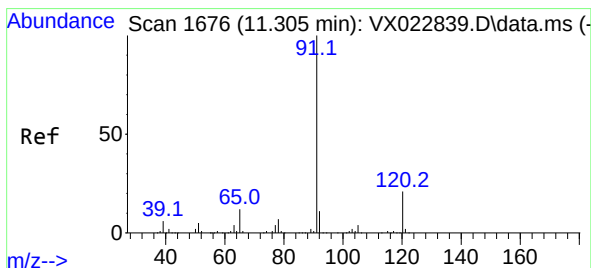
Instrument :
MSVOA_X
ClientSampled :
MW-5

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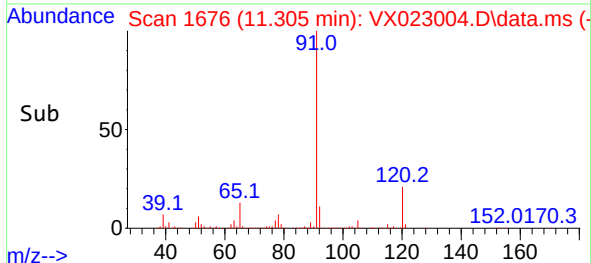
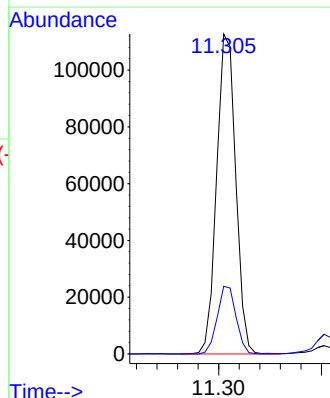
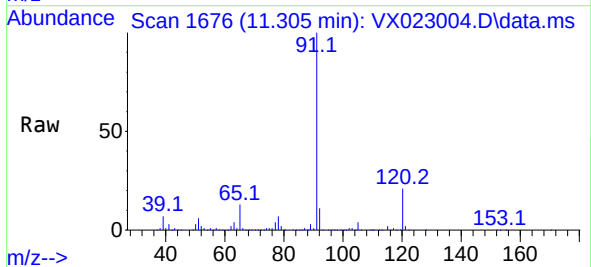
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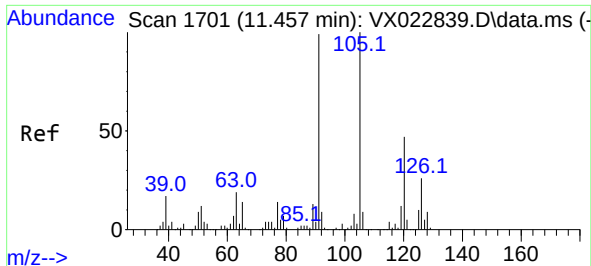
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#78
n-propylbenzene
Concen: 33.574 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 91 Resp: 144773
Ion Ratio Lower Upper
91 100
120 20.8 11.5 34.5



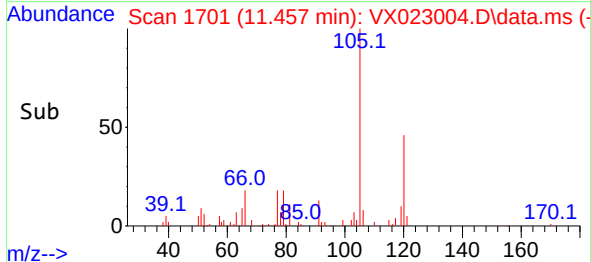
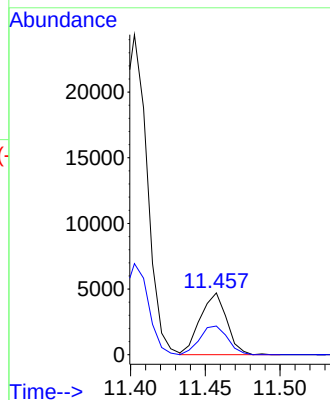
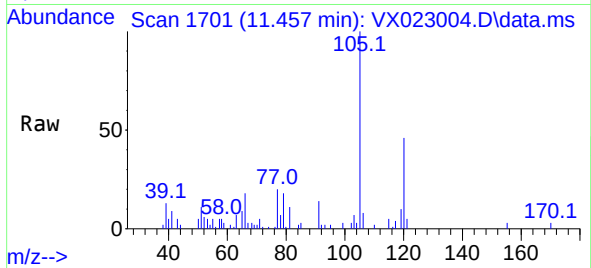


#80
1,3,5-Trimethylbenzene
Concen: 1.985 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion:105 Resp: 5809
Ion Ratio Lower Upper
105 100
120 48.7 23.8 71.5

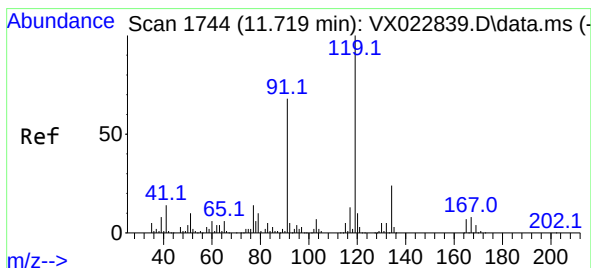
Instrument :
MSVOA_X
ClientSampled :
MW-5

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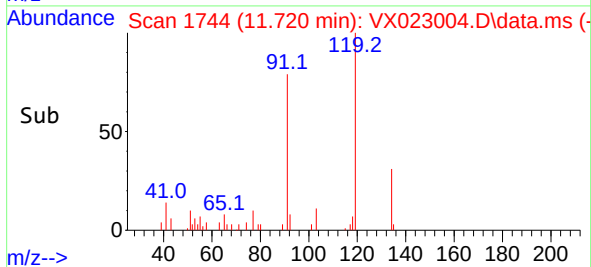
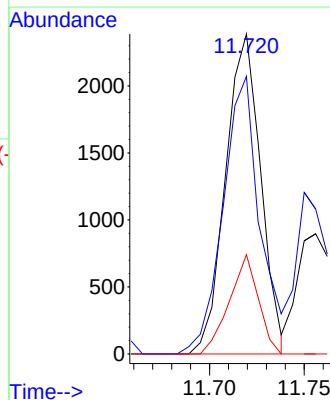
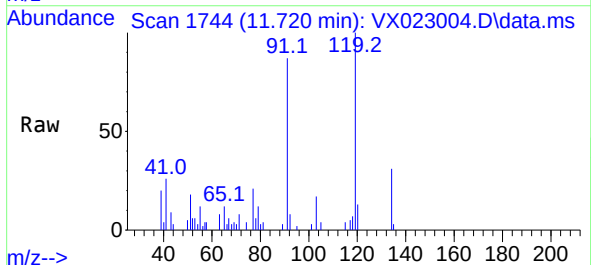
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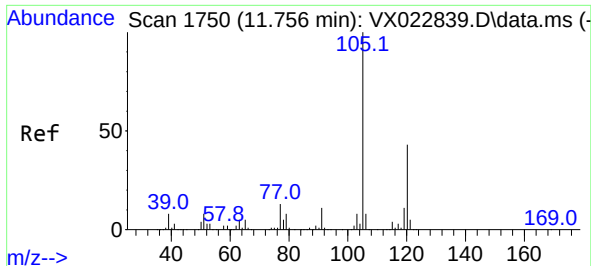
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#83
tert-Butylbenzene
Concen: 1.111 ug/l m
RT: 11.720 min Scan# 1744
Delta R.T. 0.001 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion:119 Resp: 3071
Ion Ratio Lower Upper
119 100
91 26.1 27.9 83.7#
134 14.0 11.3 33.9



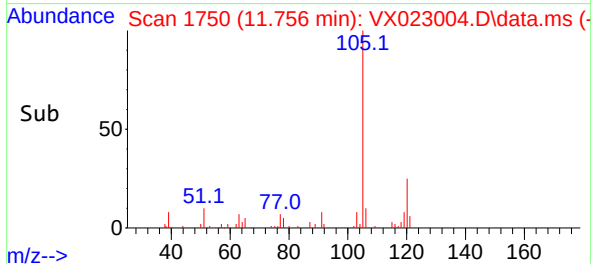
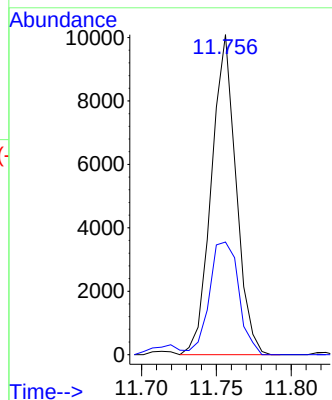
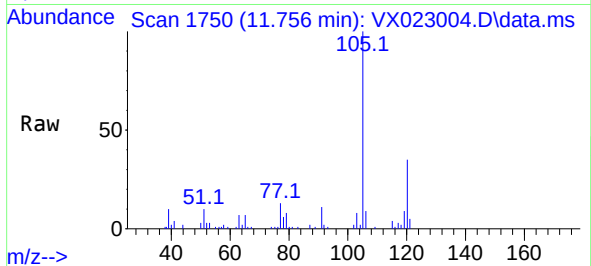


#84
1,2,4-Trimethylbenzene
Concen: 3.928 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Instrument :
MSVOA_X
ClientSampled :
MW-5

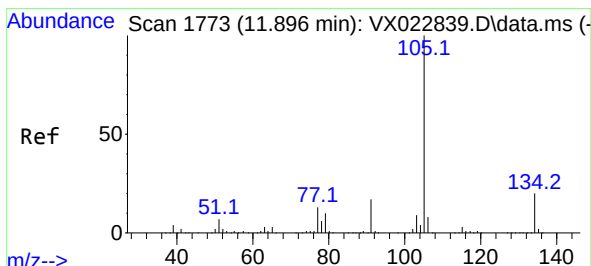
Tgt Ion:105 Resp: 11570
Ion Ratio Lower Upper
105 100
120 41.6 22.4 67.3

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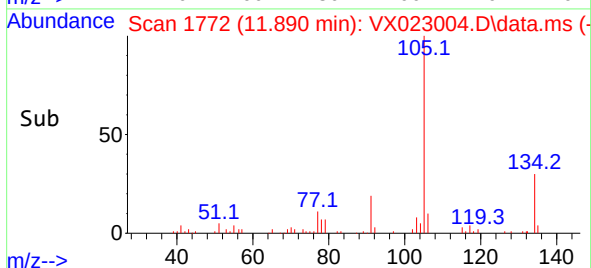
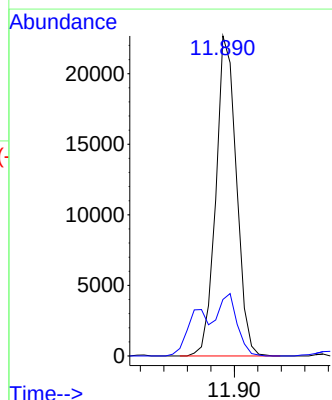
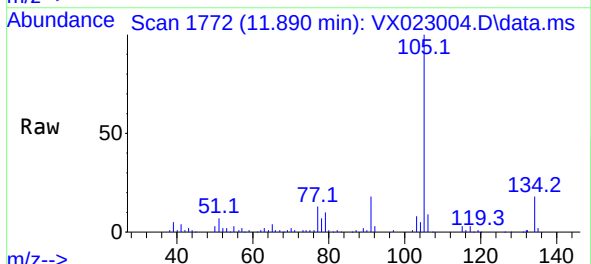
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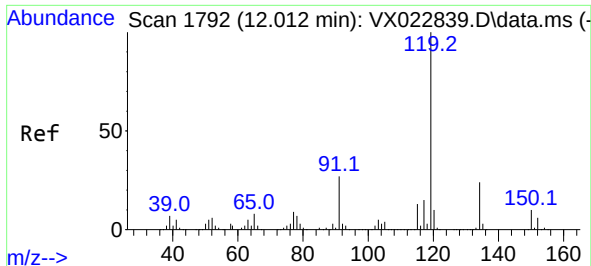
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#85
sec-Butylbenzene
Concen: 7.368 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.006 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion:105 Resp: 27461
Ion Ratio Lower Upper
105 100
134 19.1 10.0 29.8



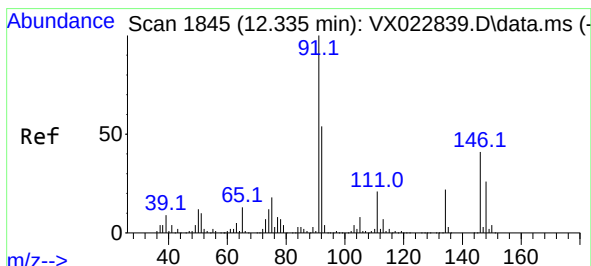
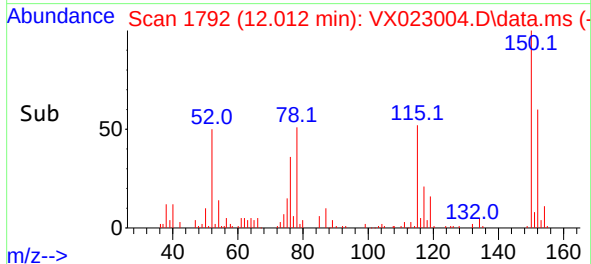
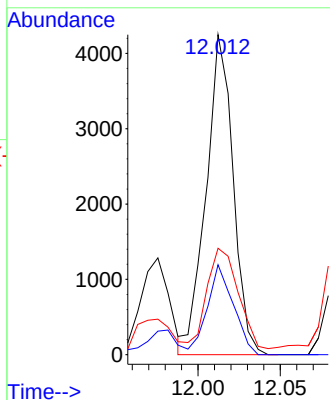
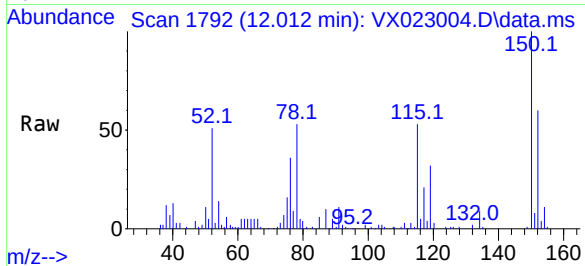


#86
p-Isopropyltoluene
Concen: 1.638 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 119 Resp: 4850
Ion Ratio Lower Upper
119 100
134 0.0 12.9 38.7#
91 0.0 11.7 35.0#

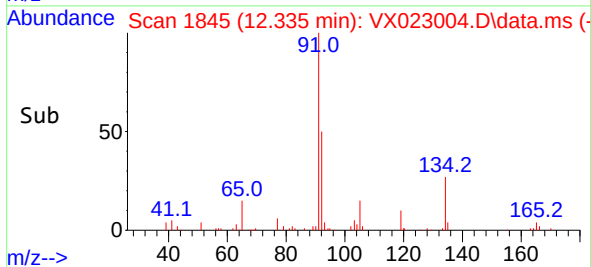
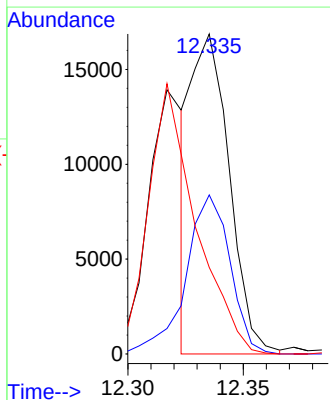
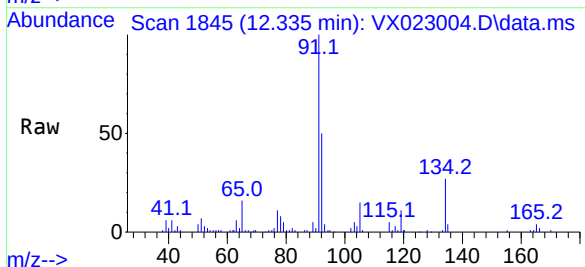
Instrument :
MSVOA_X
ClientSampled :
MW-5

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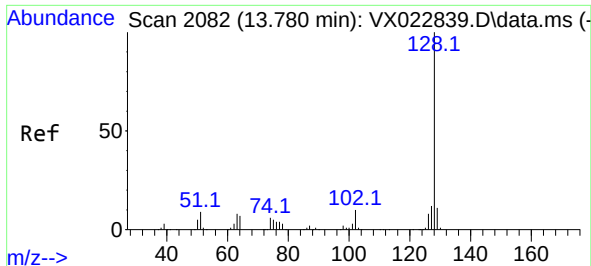
#89
n-Butylbenzene
Concen: 6.797 ug/l m
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Tgt Ion: 91 Resp: 19140
Ion Ratio Lower Upper
91 100
92 58.9 27.4 82.0
134 105.8 13.2 39.5#



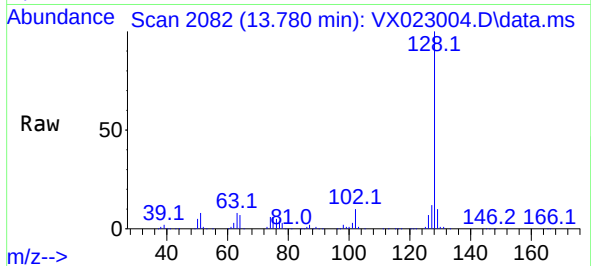
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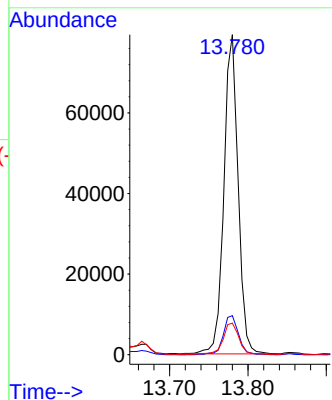
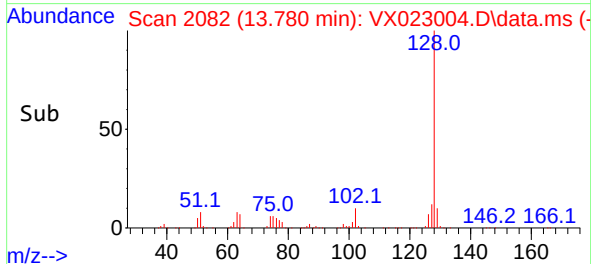
#95
Naphthalene
Concen: 29.943 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023004.D
Acq: 29 Jun 2021 15:32

Instrument :
MSVOA_X
ClientSampleId :
MW-5



Tgt Ion:128 Resp: 100049
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.3 8.8 13.2

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