

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024675.D
 Acq On : 08 Oct 2021 17:10
 Operator : JC/MD
 Sample : M3960-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RAMB-MW10-GW

Manual Integrations
 APPROVED

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Quant Time: Oct 11 01:28:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

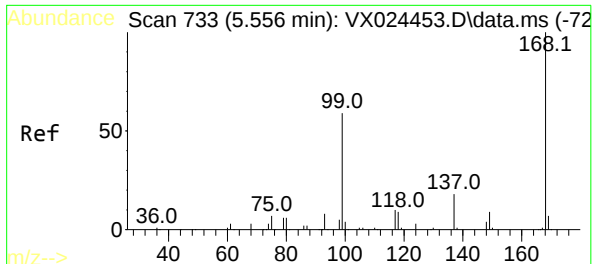
Internal Standards						
1) Pentafluorobenzene	5.562	168	144108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244044	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103464	50.942	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.880%			
35) Dibromofluoromethane	5.397	113	81697	50.392	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.780%			
50) Toluene-d8	8.653	98	306061	51.292	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.580%			
62) 4-Bromofluorobenzene	11.085	95	123761	52.751	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.500%			
Target Compounds					Qvalue	
31) Cyclohexane	5.477	56	31369	12.898	ug/l	90
39) Methylcyclohexane	7.385	83	16170	5.903	ug/l #	78
40) Benzene	6.050	78	26825	4.010	ug/l	100
52) Toluene	8.726	92	3821	0.884	ug/l	98
67) Ethyl Benzene	10.195	91	63538	7.073	ug/l	97
68) m/p-Xylenes	10.305	106	27815	8.075	ug/l	99
69) o-Xylene	10.647	106	4435	1.302	ug/l	100
73) Isopropylbenzene	10.964	105	130712	16.112	ug/l	100
78) n-propylbenzene	11.305	91	104779	11.049	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	2597	0.375	ug/l	94
83) tert-Butylbenzene	11.713	119	3703	0.533	ug/l	82
84) 1,2,4-Trimethylbenzene	11.756	105	28791	4.178	ug/l	100
85) sec-Butylbenzene	11.896	105	48123	5.630	ug/l	100
89) n-Butylbenzene	12.335	91	12627m	1.956	ug/l	
95) Naphthalene	13.780	128	76232	9.518	ug/l #	92

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

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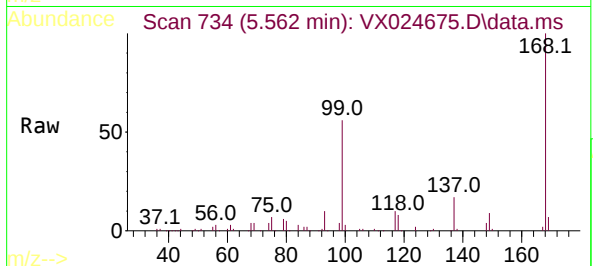
The chromatogram displays a series of peaks representing different chemical compounds. The y-axis represents Abundance, ranging from 0 to 1,500,000. The x-axis represents Time in minutes, ranging from 0.00 to 16.00. The following table lists the labeled compounds and their approximate retention times:

Compound	Approximate Retention Time (min)
1,4-Difluorobenzene, I	6.8
Methylcyclohexane, T	7.5
Toluene, CM	8.8
Toluene, d8, S	8.8
Chlorobenzene, d5, I	10.2
Ethyl Benzene, C	10.5
o-Xylene, T	10.8
Isopropylbenzene, T	11.2
4-Bromofluorobenzene, S	11.5
n-propylbenzene, T	11.8
1,3,5-Trimethylbenzene, T	12.2
tert-Butylbenzene, T	12.5
sec-Butylbenzene, T	12.8
n-Butylbenzene, T	13.2
1,4-Dichlorobenzene-d4, I	13.5
Naphthalene, T	14.2



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
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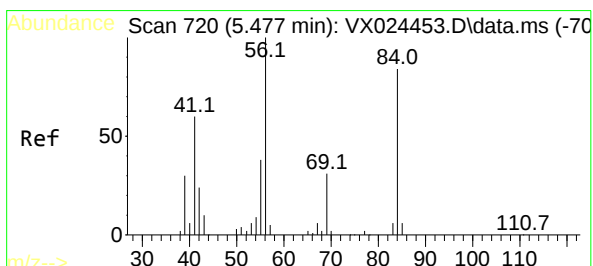
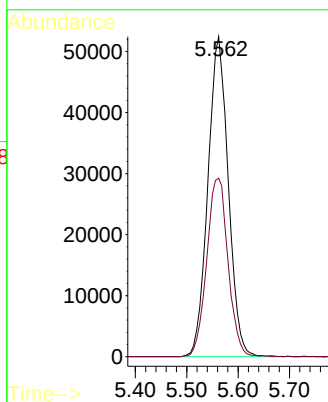
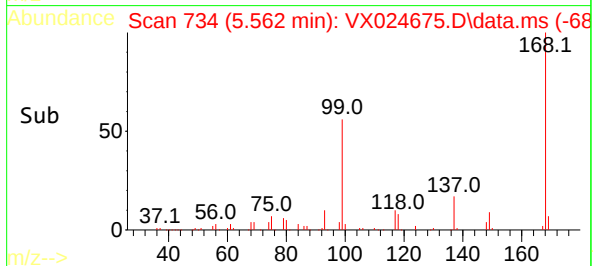
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RAMB-MW10-GW



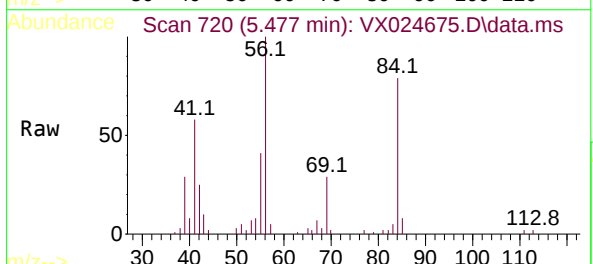
Tgt Ion:168 Resp: 144108
Ion Ratio Lower Upper
168 100
99 55.8 45.8 68.6

Manual Integrations
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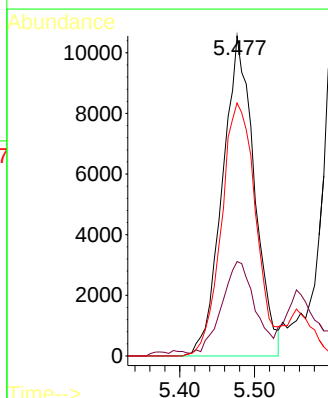
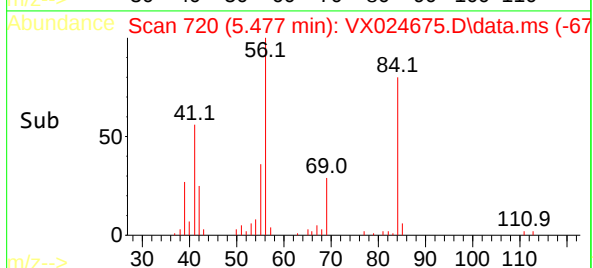
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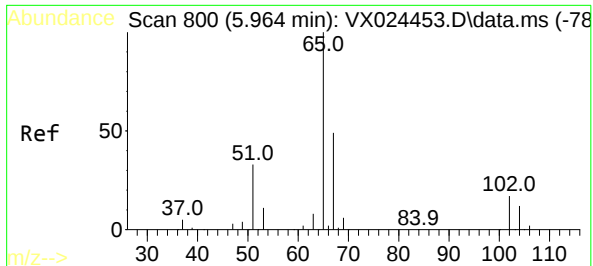


#31
Cyclohexane
Concen: 12.898 ug/l
RT: 5.477 min Scan# 720
Delta R.T. -0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10



Tgt Ion: 56 Resp: 31369
Ion Ratio Lower Upper
56 100
69 28.1 25.3 37.9
84 79.0 71.4 107.0





#33

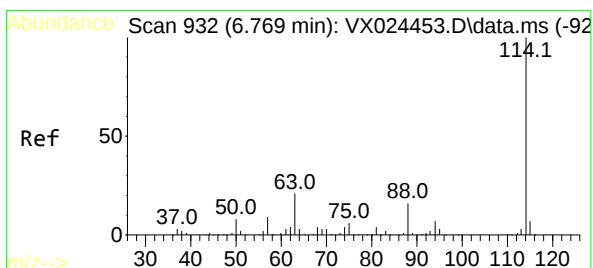
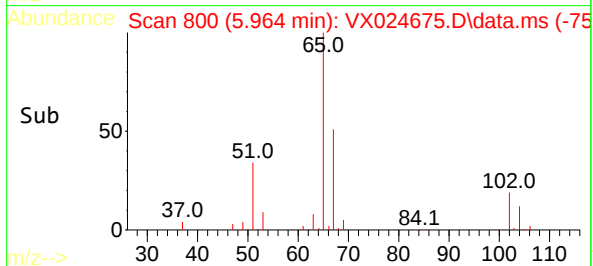
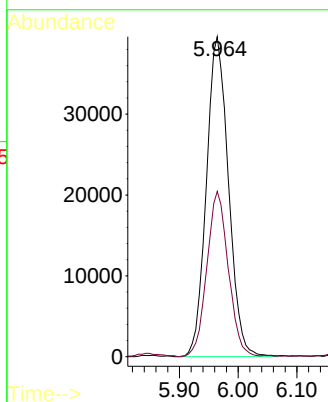
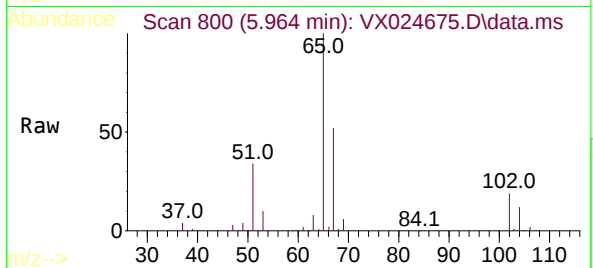
1,2-Dichloroethane-d4
Concen: 50.942 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

Tgt Ion: 65 Resp: 103464
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

Instrument :
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ClientSampleId :
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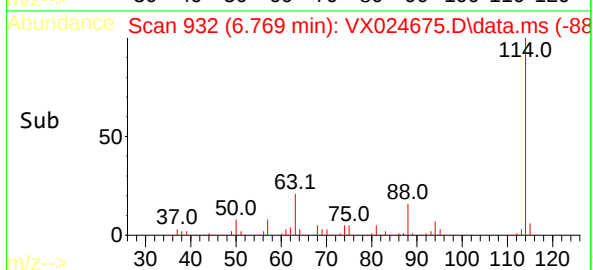
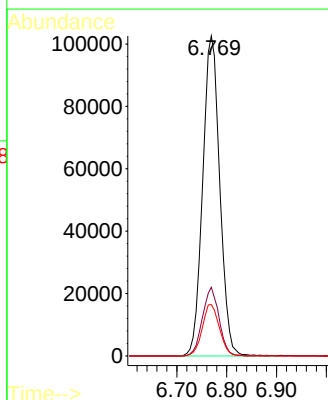
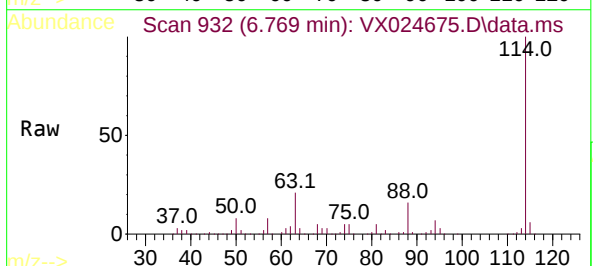
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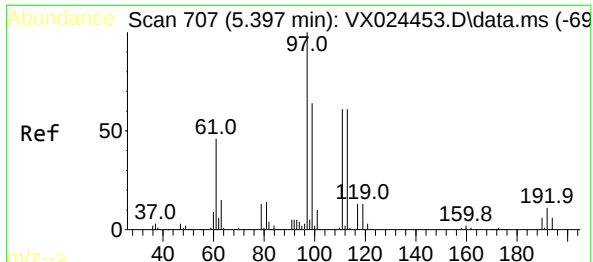


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

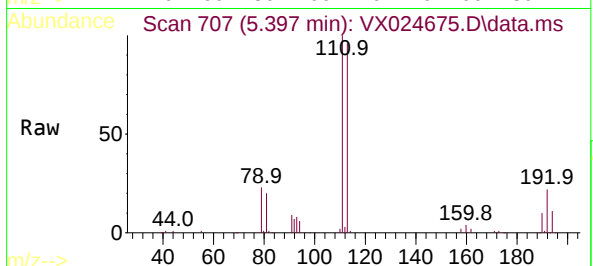
Tgt Ion: 114 Resp: 244044
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.1 0.0 32.8





#35
Dibromofluoromethane
Concen: 50.392 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

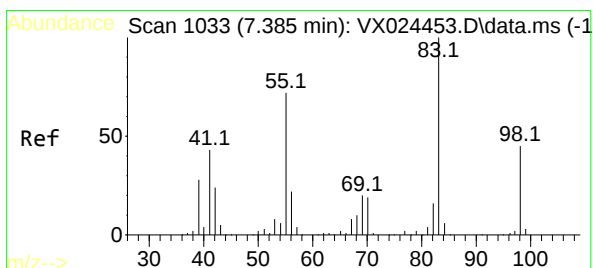
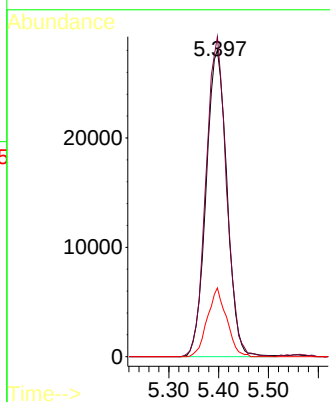
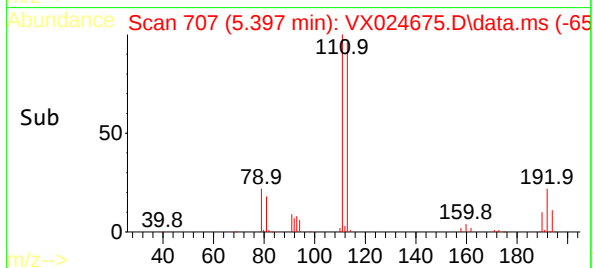
Instrument :
MSVOA_X
ClientSampleId :
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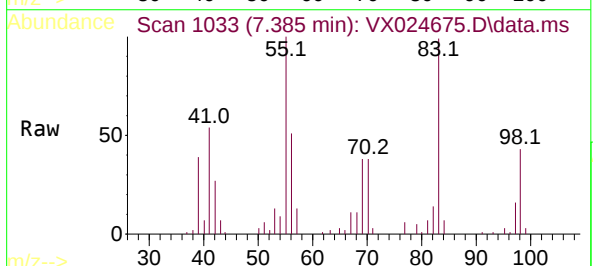
Tgt Ion:113 Resp: 81697
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 20.6 16.7 25.1

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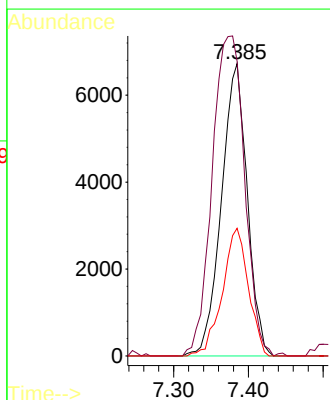
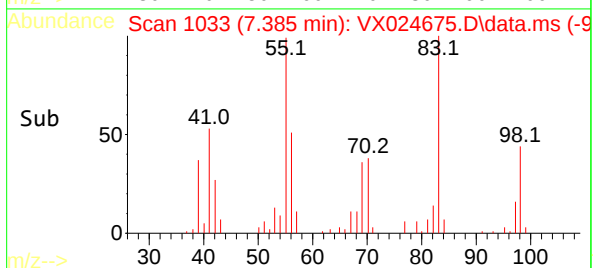
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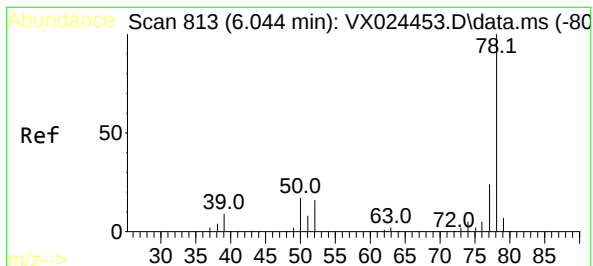


#39
Methylcyclohexane
Concen: 5.903 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10



Tgt Ion: 83 Resp: 16170
Ion Ratio Lower Upper
83 100
55 100.8 58.9 88.3#
98 43.7 38.1 57.1





#40

Benzene

Concen: 4.010 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX024675.D

Acq: 08 Oct 2021 17:10

Tgt Ion: 78 Resp: 26825

Ion Ratio Lower Upper

78 100

77 23.4 18.9 28.3

Instrument :

MSVOA_X

ClientSampleId :

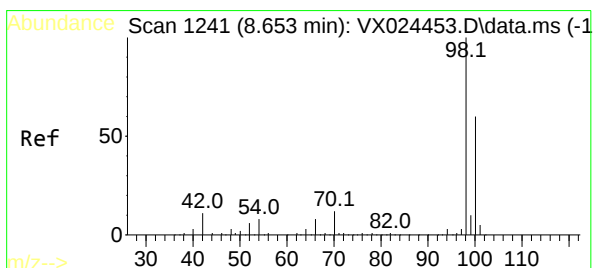
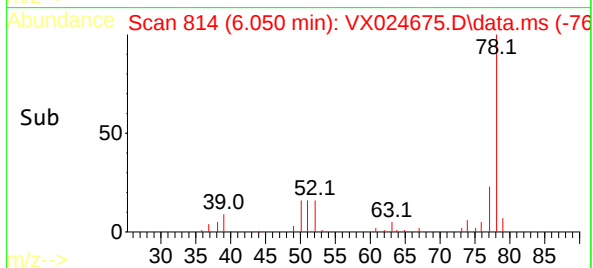
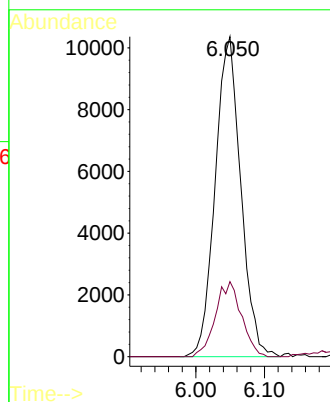
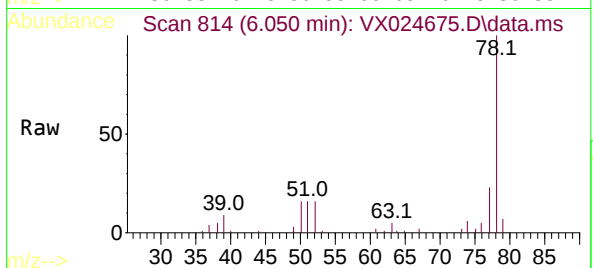
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Manual Integrations

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#50

Toluene-d8

Concen: 51.292 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024675.D

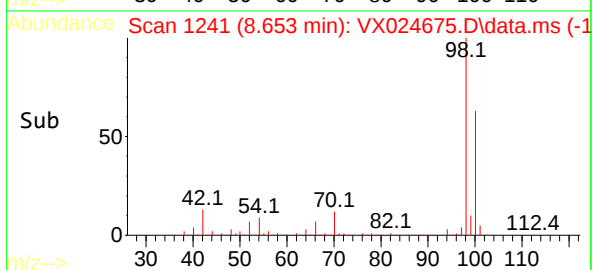
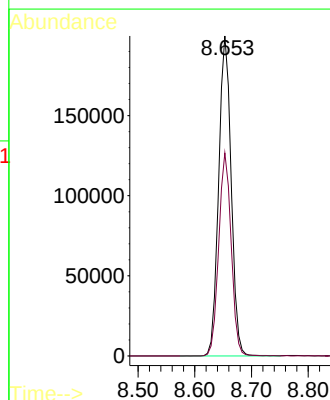
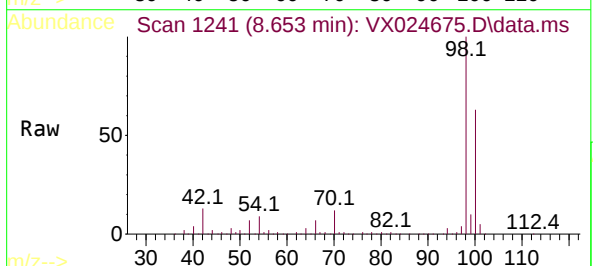
Acq: 08 Oct 2021 17:10

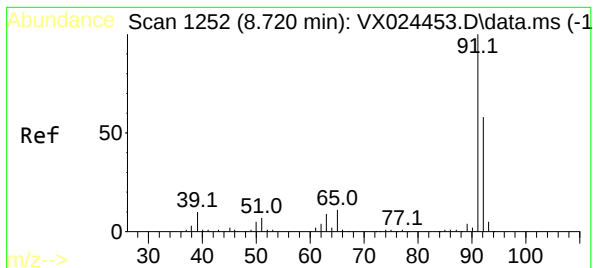
Tgt Ion: 98 Resp: 306061

Ion Ratio Lower Upper

98 100

100 63.1 51.9 77.9





#52

Toluene

Concen: 0.884 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX024675.D

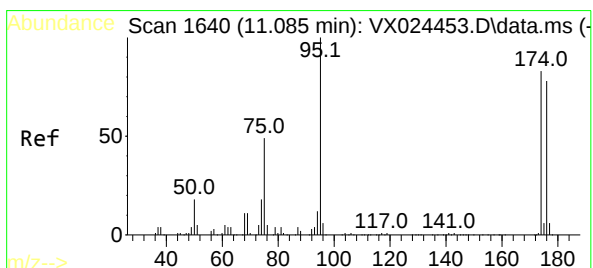
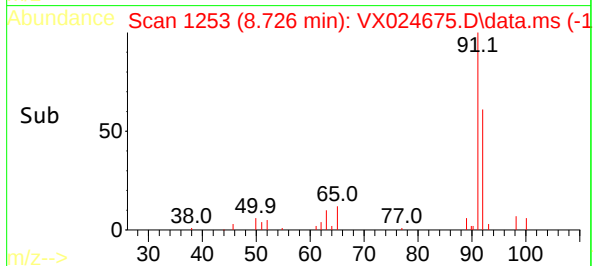
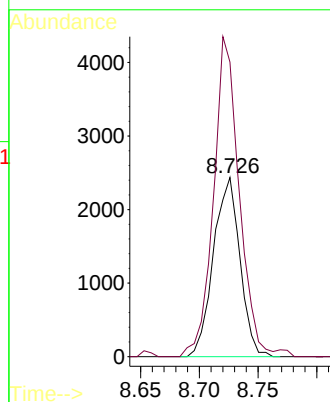
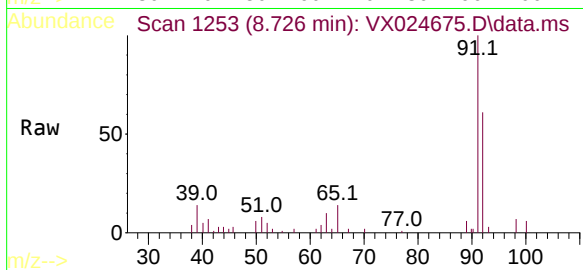
Acq: 08 Oct 2021 17:10

Tgt Ion: 92 Resp: 3821

Ion Ratio Lower Upper

92 100

91 174.2 137.1 205.7



#62

4-Bromofluorobenzene

Concen: 52.751 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024675.D

Acq: 08 Oct 2021 17:10

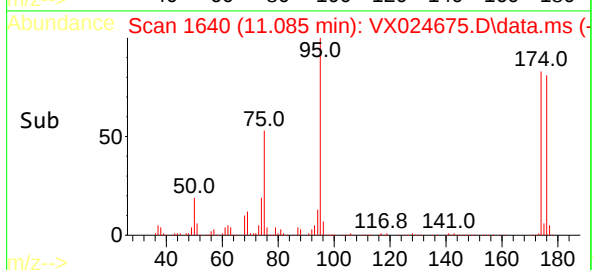
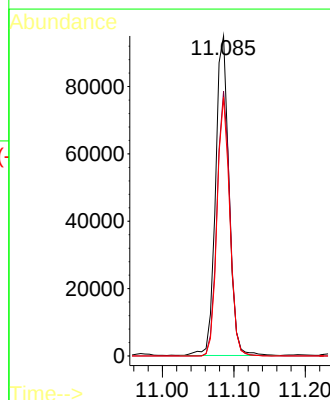
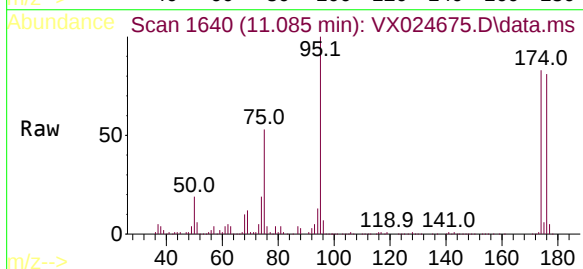
Tgt Ion: 95 Resp: 123761

Ion Ratio Lower Upper

95 100

174 79.6 0.0 154.6

176 76.2 0.0 155.8



Instrument :

MSVOA_X

ClientSampleId :

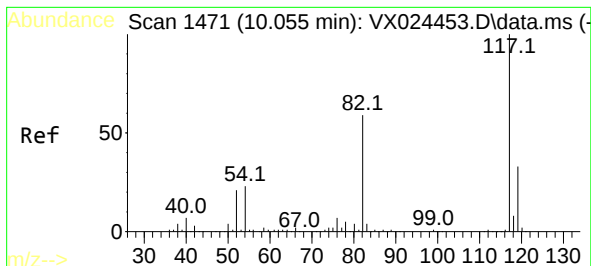
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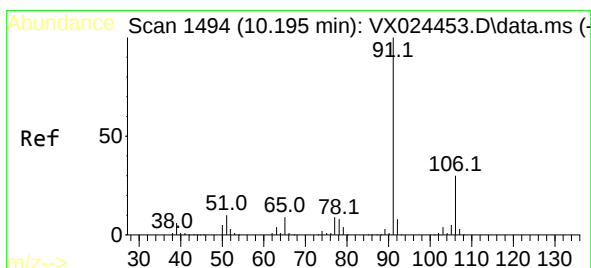
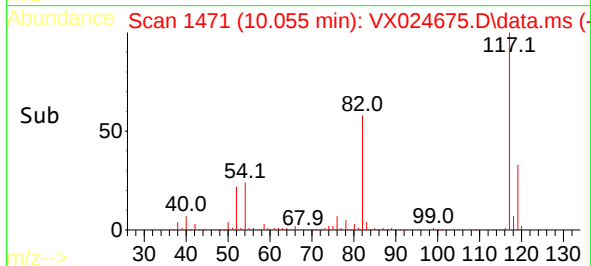
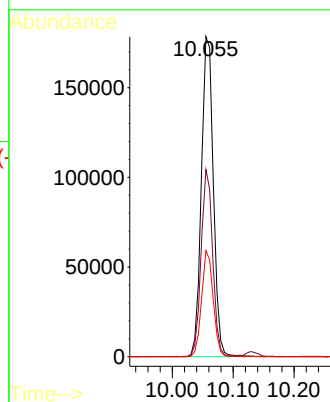
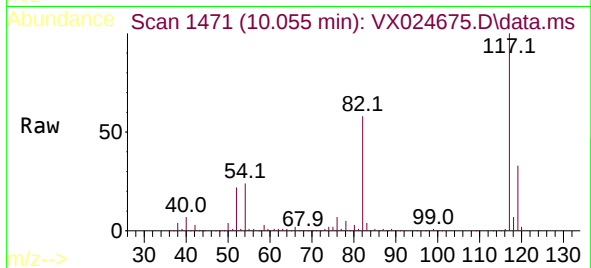
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

Tgt Ion: 117 Resp: 243584
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 33.2 26.6 39.8

Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW10-GW

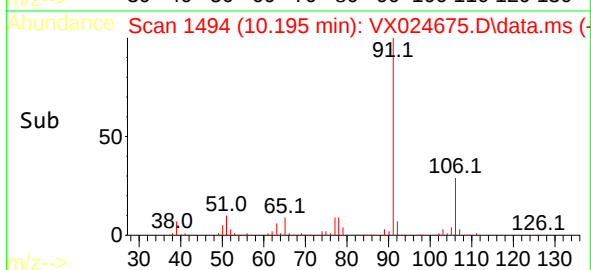
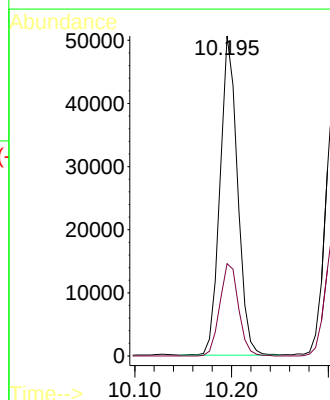
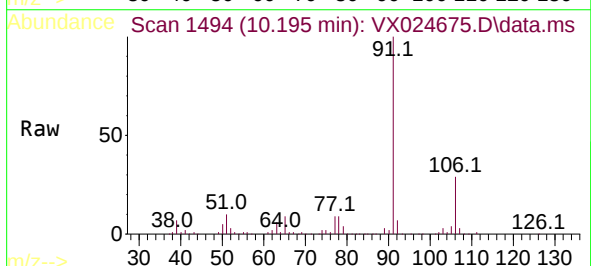
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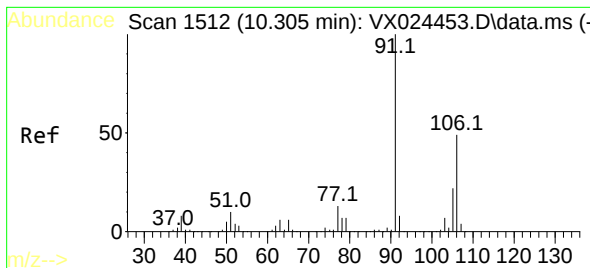
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#67
Ethyl Benzene
Concen: 7.073 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

Tgt Ion: 91 Resp: 63538
Ion Ratio Lower Upper
91 100
106 28.9 24.6 37.0





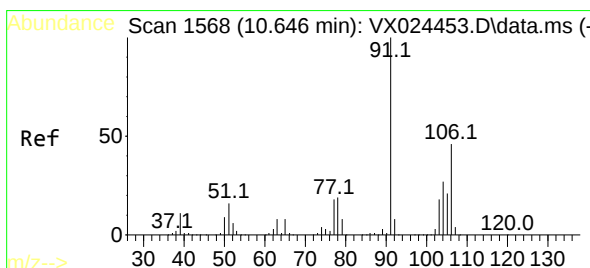
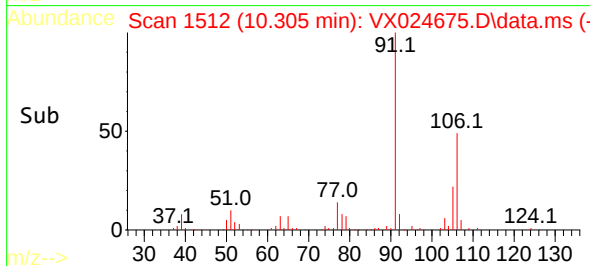
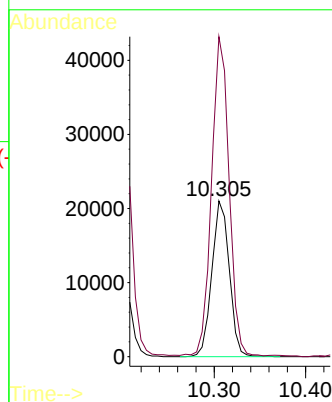
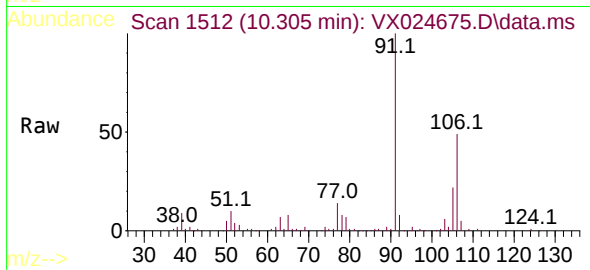
#68
m/p-Xylenes
Concen: 8.075 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

Tgt Ion:106 Resp: 27815
Ion Ratio Lower Upper
106 100
91 205.2 162.8 244.2

Instrument :
MSVOA_X
ClientSampleId :
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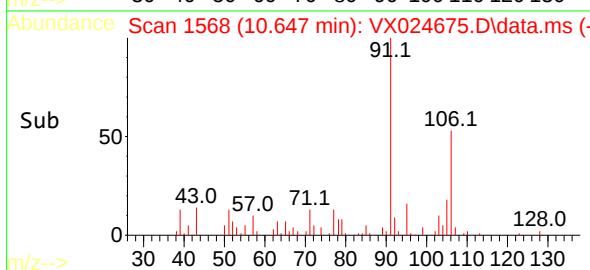
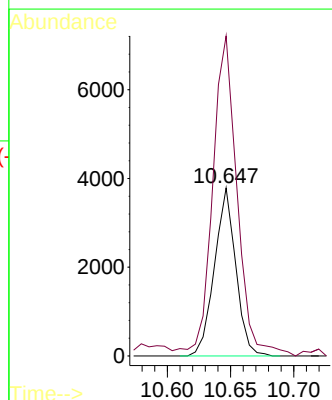
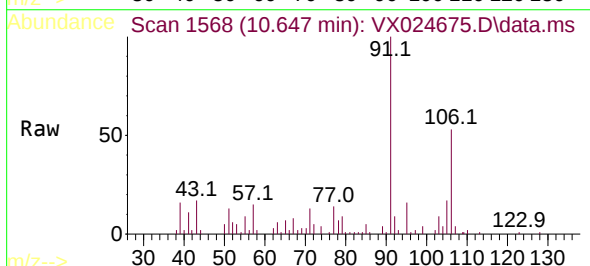
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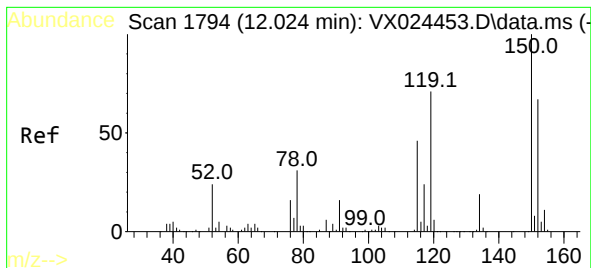
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#69
o-Xylene
Concen: 1.302 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

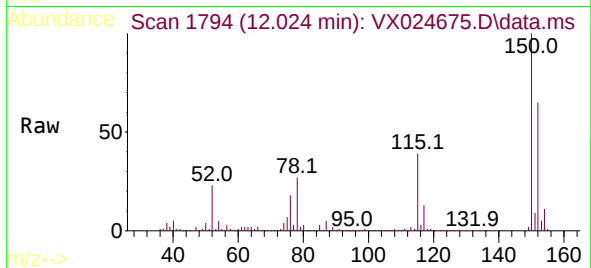
Tgt Ion:106 Resp: 4435
Ion Ratio Lower Upper
106 100
91 216.4 108.1 324.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

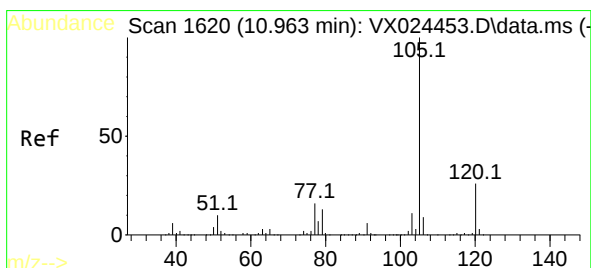
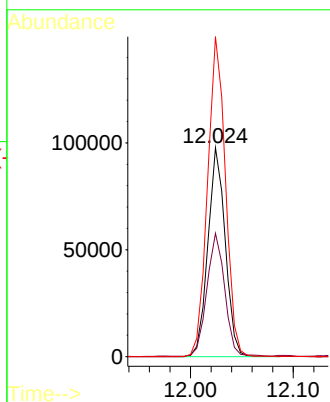
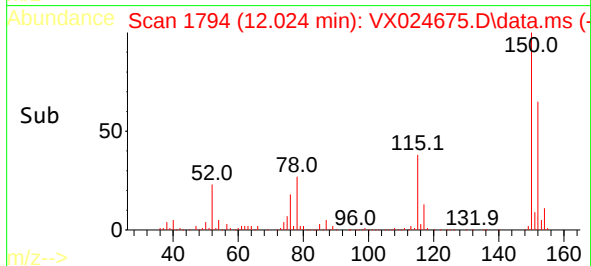
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW10-GW



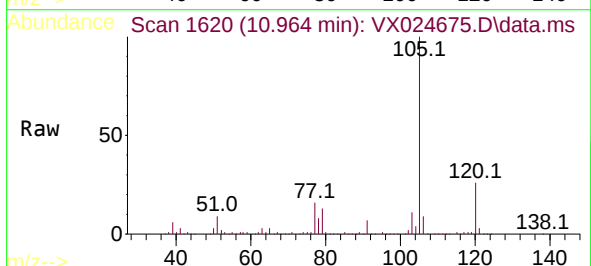
Tgt Ion:152 Resp: 114753
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 157.5 0.0 349.0

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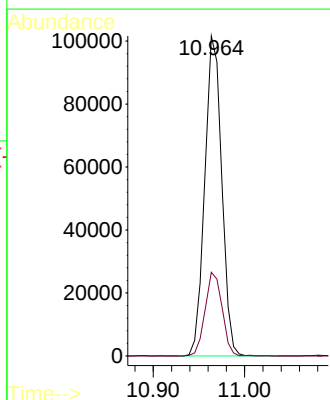
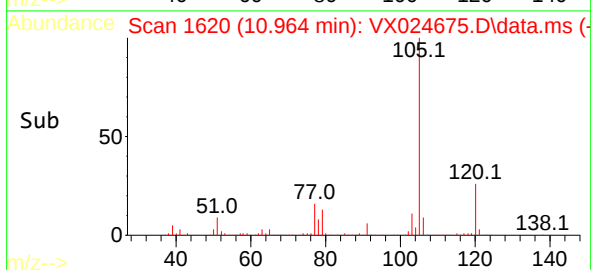
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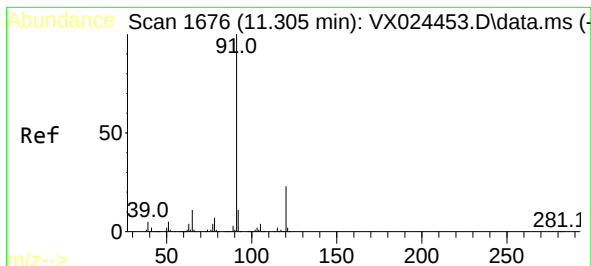


#73
Isopropylbenzene
Concen: 16.112 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10



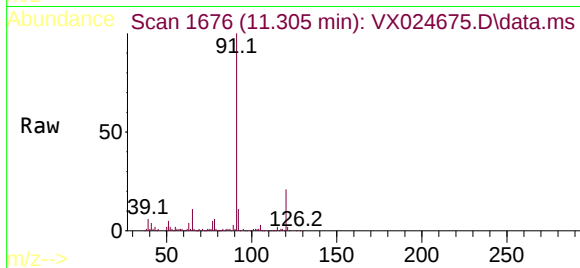
Tgt Ion:105 Resp: 130712
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6





#78
n-propylbenzene
Concen: 11.049 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

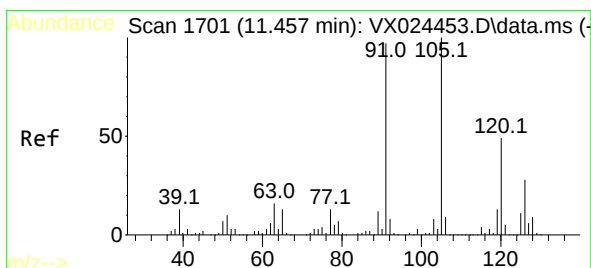
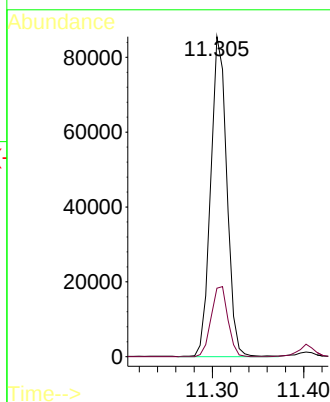
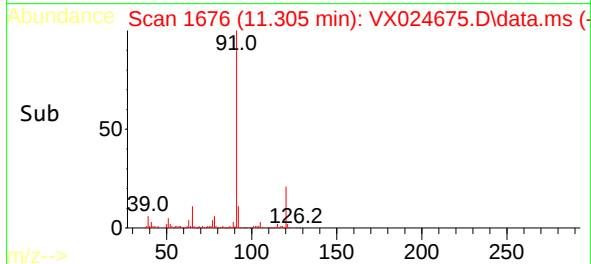
Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW10-GW



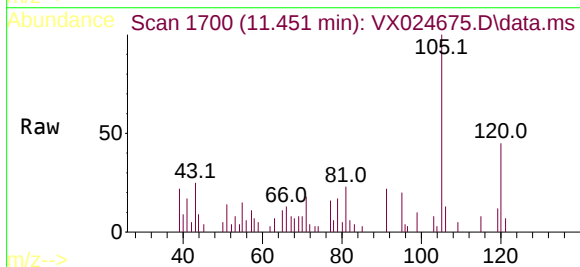
Tgt Ion: 91 Resp: 104779
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.5

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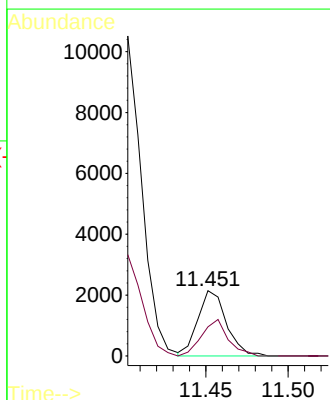
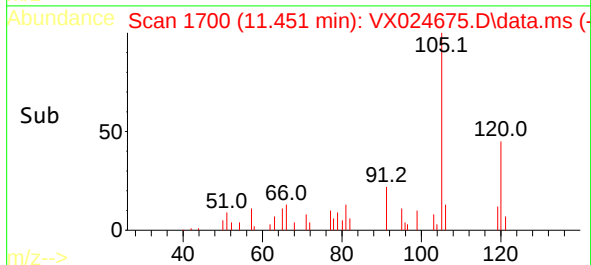
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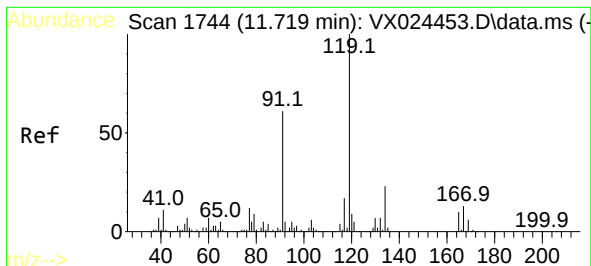


#80
1,3,5-Trimethylbenzene
Concen: 0.375 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10



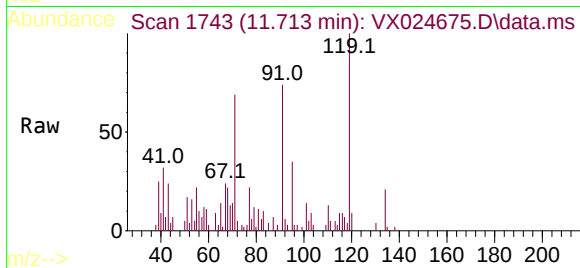
Tgt Ion: 105 Resp: 2597
Ion Ratio Lower Upper
105 100
120 51.8 23.8 71.5





#83
tert-Butylbenzene
Concen: 0.533 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

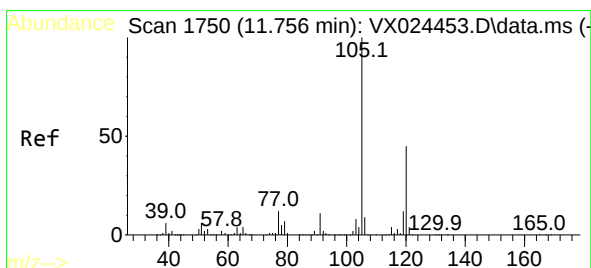
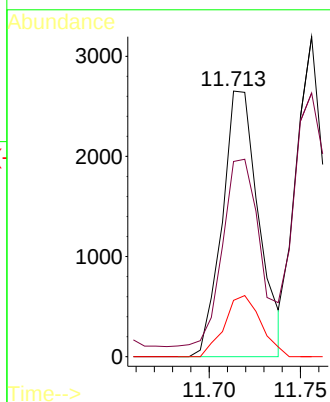
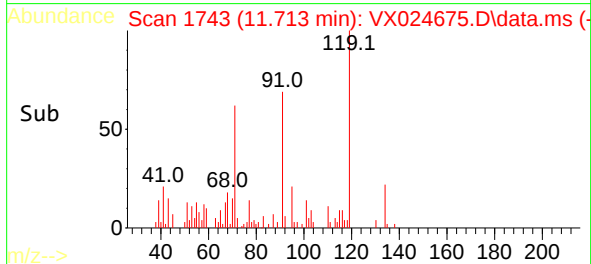
Instrument :
MSVOA_X
ClientSampleId :
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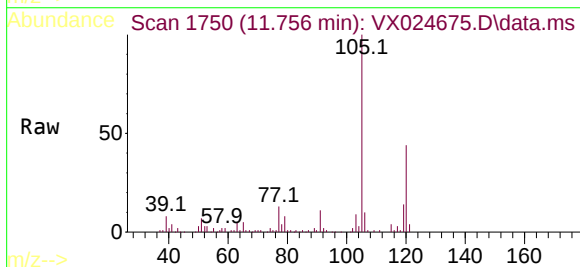
Tgt Ion:119 Resp: 3703
Ion Ratio Lower Upper
119 100
91 73.9 27.9 83.7
134 22.9 11.3 33.9

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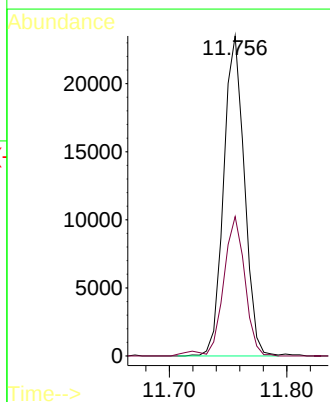
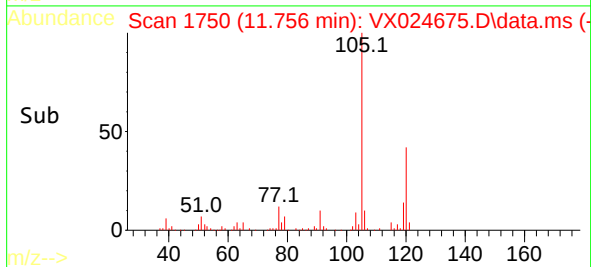
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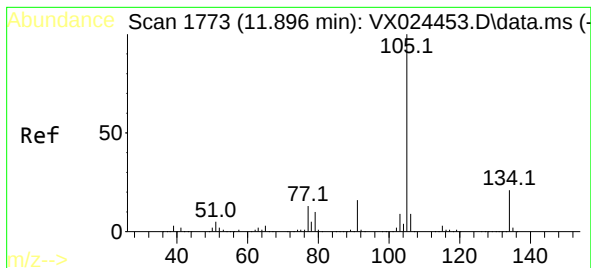


#84
1,2,4-Trimethylbenzene
Concen: 4.178 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10



Tgt Ion:105 Resp: 28791
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.3





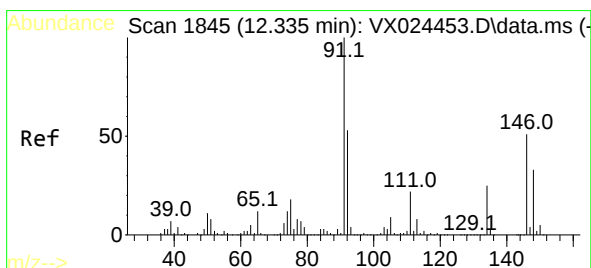
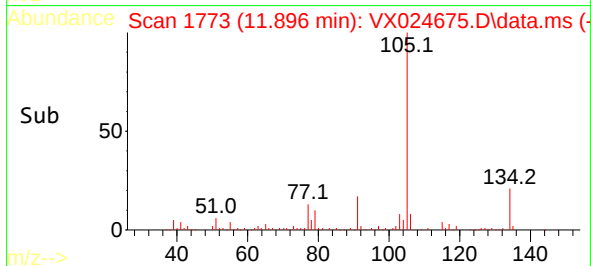
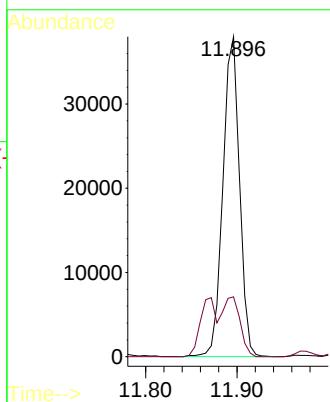
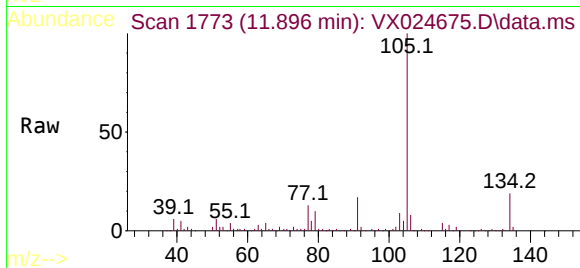
#85
sec-Butylbenzene
Concen: 5.630 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW10-GW

Tgt Ion:105 Resp: 48123
Ion Ratio Lower Upper
105 100
134 19.9 10.0 29.8

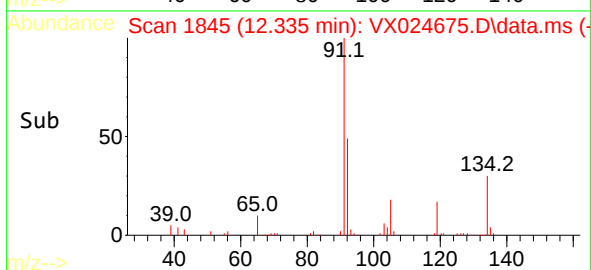
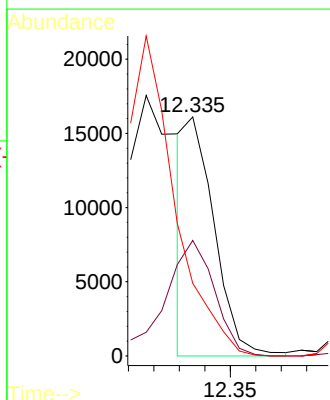
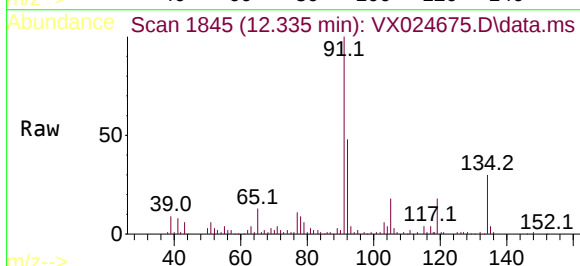
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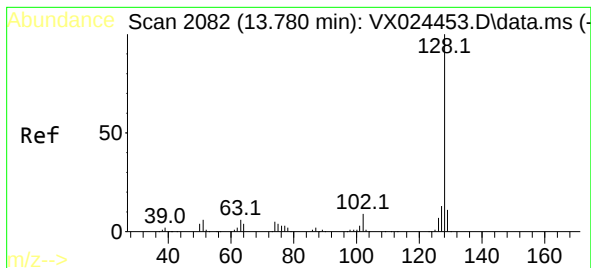
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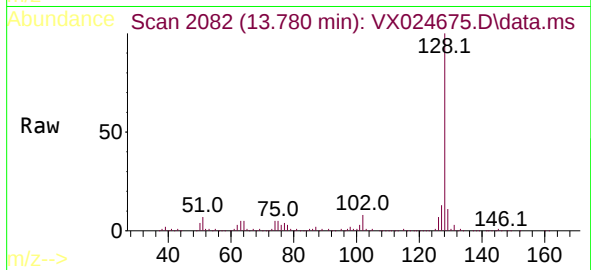
#89
n-Butylbenzene
Concen: 1.956 ug/l m
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10

Tgt Ion: 91 Resp: 12627
Ion Ratio Lower Upper
91 100
92 85.3 27.4 82.0#
134 233.1 13.2 39.5#

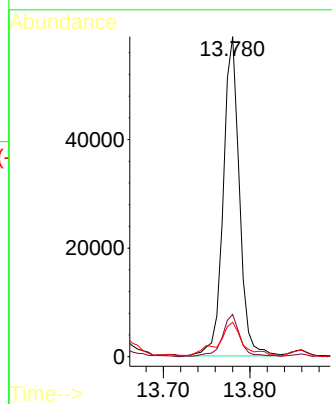
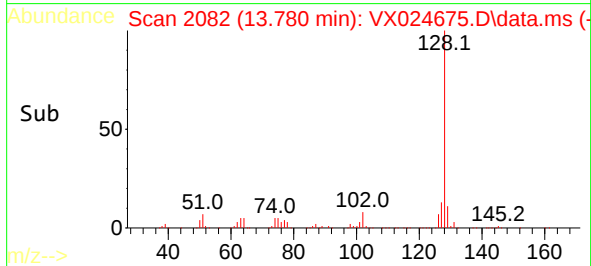




#95
Naphthalene
Concen: 9.518 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024675.D
Acq: 08 Oct 2021 17:10



Tgt Ion:128 Resp: 76232
Ion Ratio Lower Upper
128 100
127 14.7 10.3 15.5
129 15.5 8.8 13.2#



Instrument :
MSVOA_X
ClientSampleId :
RAMB-MW10-GW

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