

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082021\
 Data File : VX023864.D
 Acq On : 20 Aug 2021 01:39
 Operator : JC/MD
 Sample : M3479-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 210818092-02-VOA

Manual Integrations
 APPROVED

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 8/20/2021 6:49:46 PM

Quant Time: Aug 20 03:18:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	144014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244200	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102542	51.016	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.040%			
35) Dibromofluoromethane	5.397	113	79077	48.925	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.840%			
50) Toluene-d8	8.653	98	306315	49.793	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.580%			
62) 4-Bromofluorobenzene	11.085	95	109466	48.338	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.680%			
Target Compounds						Qvalue
8) Diethyl Ether	2.136	74	8983	10.013	ug/l	91
11) Tert butyl alcohol	2.983	59	4433282	10906.498	ug/l	97
16) Acetone	2.386	43	66661	74.174	ug/l	90
17) Carbon Disulfide	2.508	76	1462	0.444	ug/l #	94
19) Methyl tert-butyl Ether	3.123	73	6794	1.412	ug/l	98
29) Tetrahydrofuran	5.013	42	1178655	1336.774	ug/l	88
40) Benzene	6.044	78	17590	2.630	ug/l #	88
49) 1,4-Dioxane	7.665	88	6116	136.426	ug/l	91
51) 4-Methyl-2-Pentanone	8.580	43	13663m	4.861	ug/l	
52) Toluene	8.720	92	18839	4.348	ug/l	99
67) Ethyl Benzene	10.195	91	20861	2.460	ug/l	99
68) m/p-Xylenes	10.305	106	31165	9.648	ug/l	98
69) o-Xylene	10.646	106	17310	5.453	ug/l	97
73) Isopropylbenzene	10.963	105	10520	1.390	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	7159	1.151	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	23811	3.839	ug/l	95
86) p-Isopropyltoluene	12.012	119	4588	0.729	ug/l #	77
88) 1,4-Dichlorobenzene	12.042	146	7570	2.250	ug/l #	77
95) Naphthalene	13.780	128	102856	15.087	ug/l	100

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

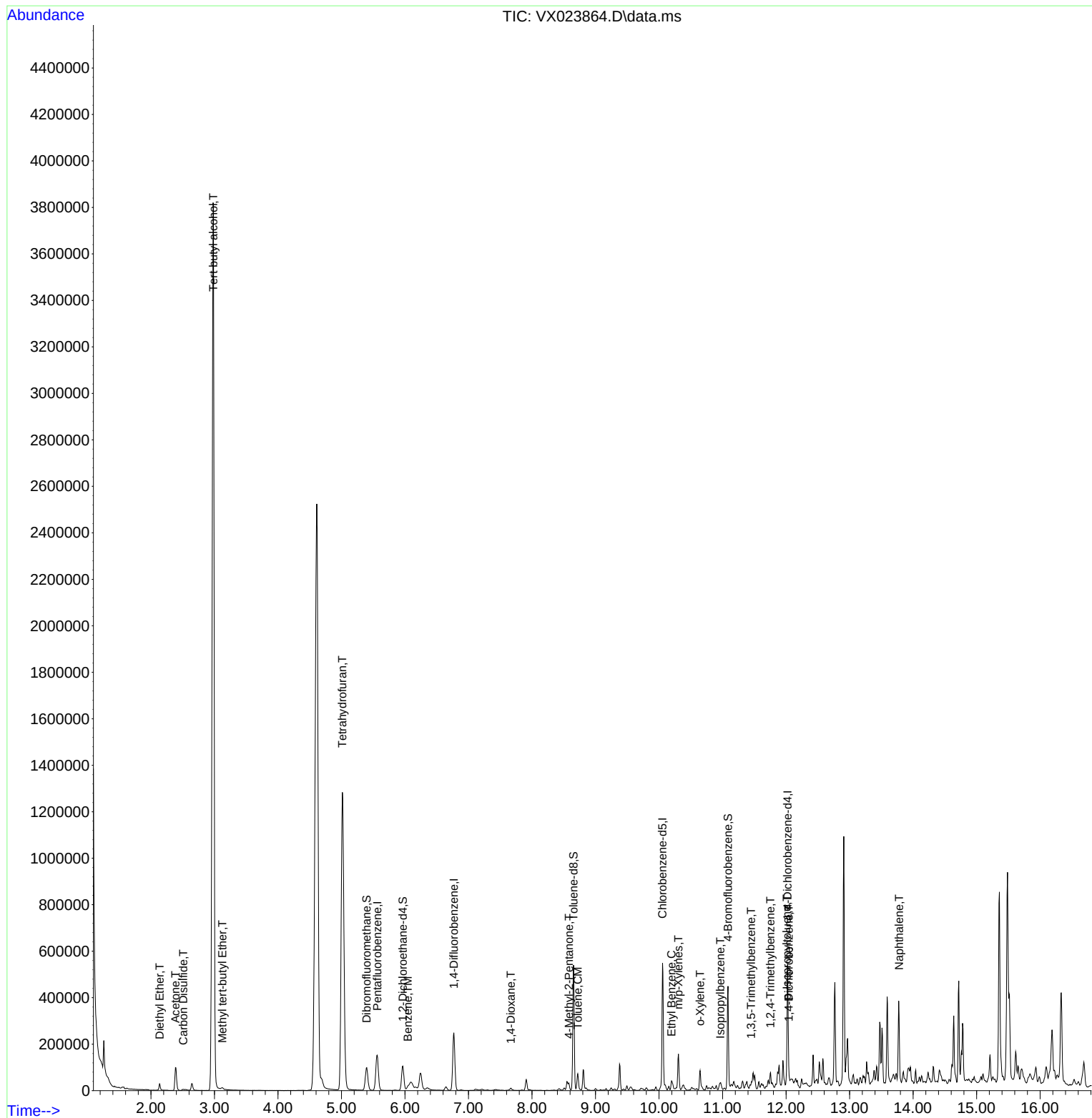
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082021\
Data File : VX023864.D
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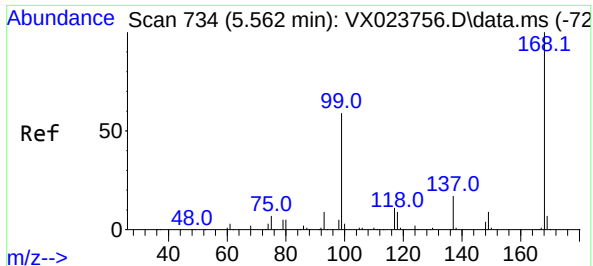
Instrument :
MSVOA_X
ClientSampleId :
210818092-02-VOA

Manual Integrations
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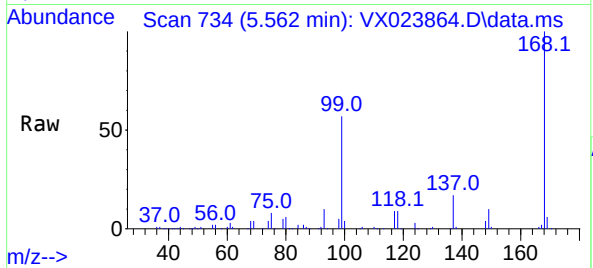
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8/20/2021 6:49:46 PM

Quant Time: Aug 20 03:18:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

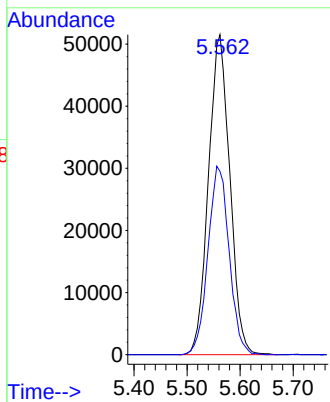
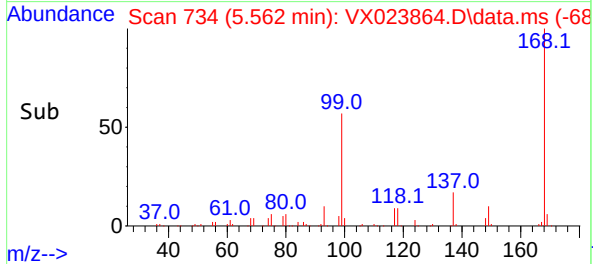




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39



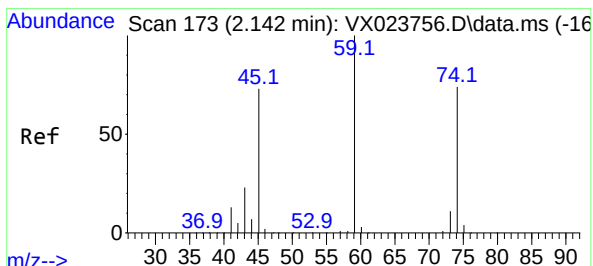
Tgt Ion:168 Resp: 144014
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



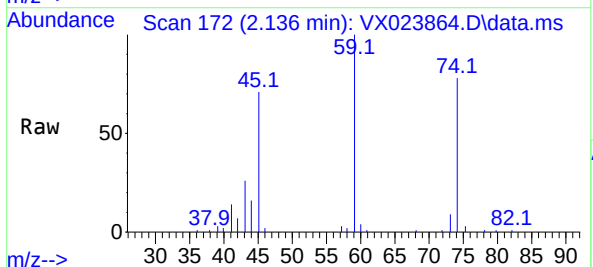
Instrument :
MSVOA_X
ClientSampleId :
210818092-02-VOA

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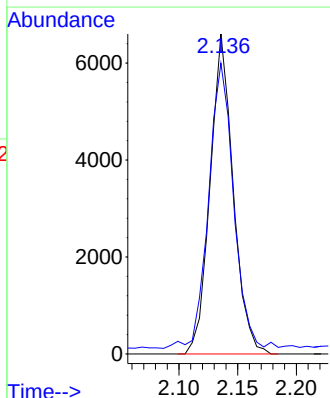
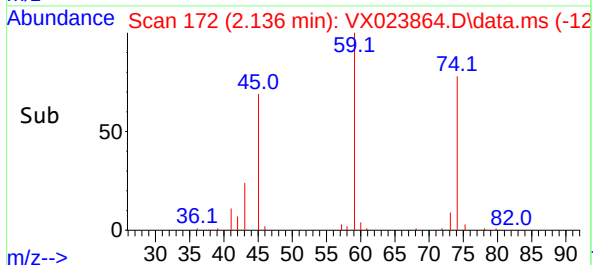
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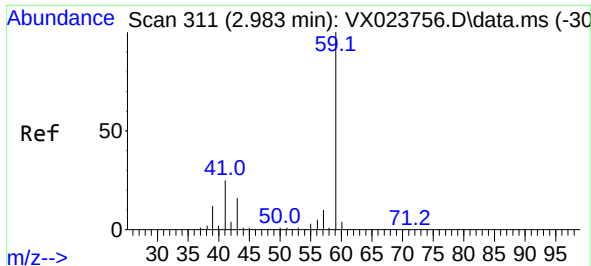


#8
Diethyl Ether
Concen: 10.013 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.006 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

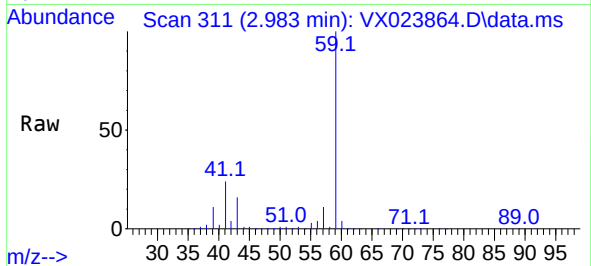


Tgt Ion: 74 Resp: 8983
Ion Ratio Lower Upper
74 100
45 97.2 44.5 133.5

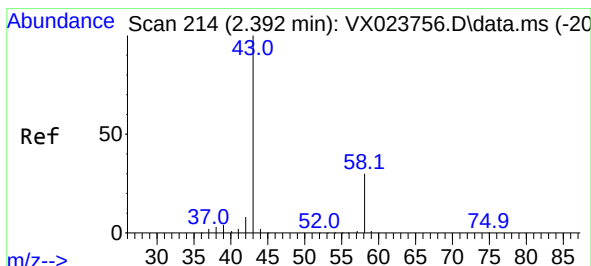
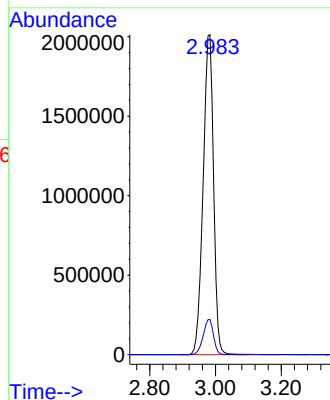
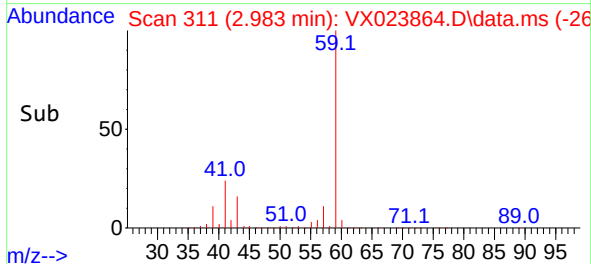




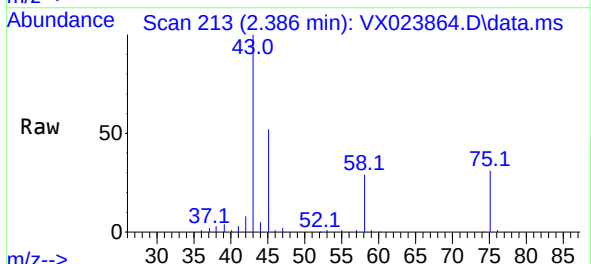
#11
Tert butyl alcohol
Concen: 10906.498 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39



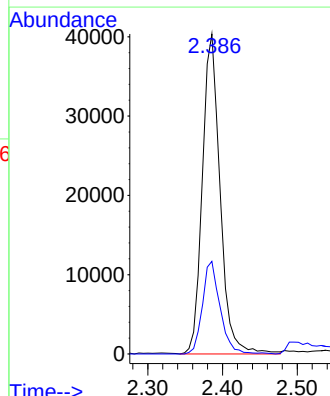
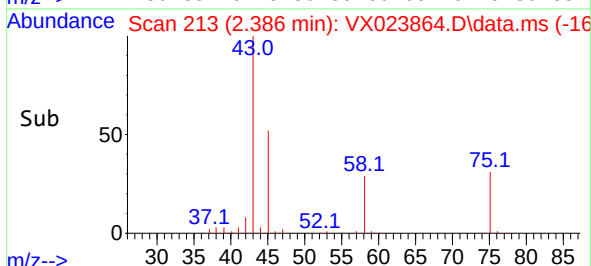
Tgt Ion: 59 Resp: 4433282
Ion Ratio Lower Upper
59 100
57 10.9 7.8 11.8



#16
Acetone
Concen: 74.174 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39



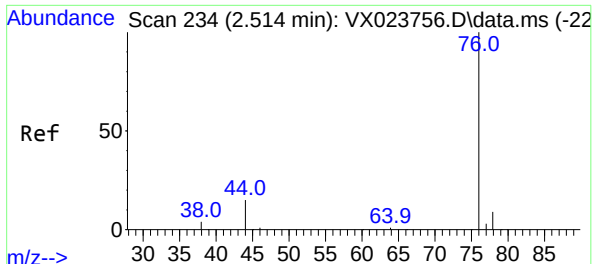
Tgt Ion: 43 Resp: 66661
Ion Ratio Lower Upper
43 100
58 29.0 27.8 41.8



Instrument :
MSVOA_X
ClientSampleId :
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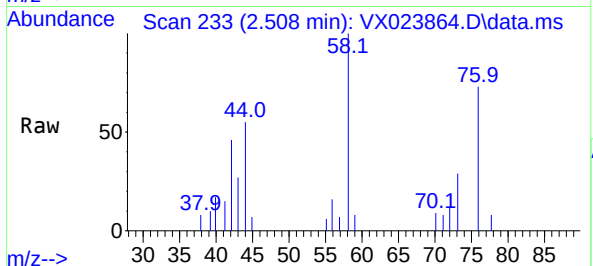
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#17
Carbon Disulfide
Concen: 0.444 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

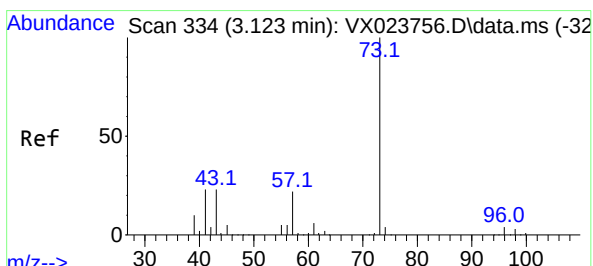
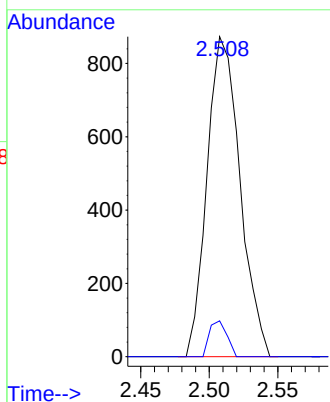
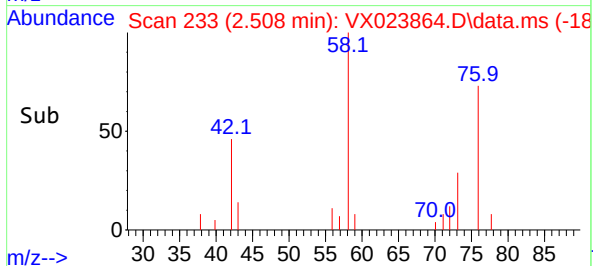
Instrument :
MSVOA_X
ClientSampleId :
210818092-02-VOA



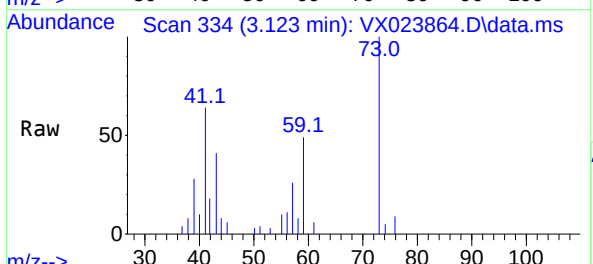
Tgt Ion: 76 Resp: 1462
Ion Ratio Lower Upper
76 100
78 11.2 7.2 10.8#

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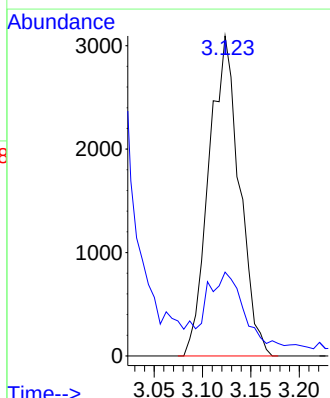
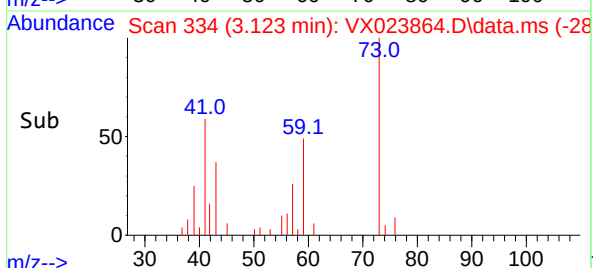
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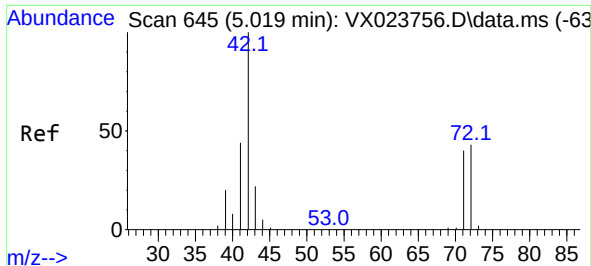


#19
Methyl tert-butyl Ether
Concen: 1.412 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39



Tgt Ion: 73 Resp: 6794
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7





#29

Tetrahydrofuran

Concen: 1336.774 ug/l

RT: 5.013 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX023864.D

Acq: 20 Aug 2021 01:39

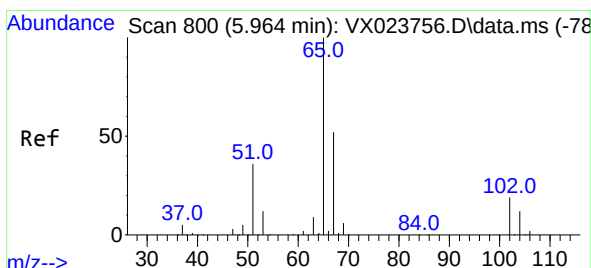
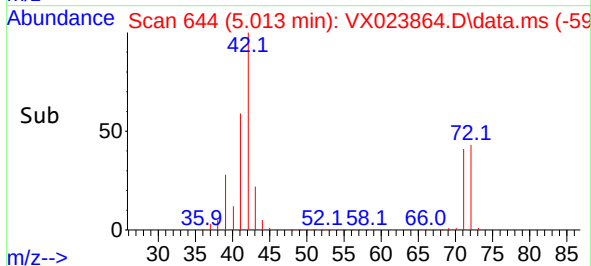
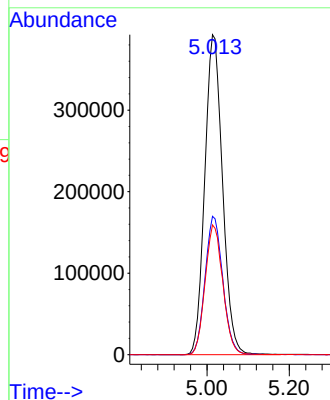
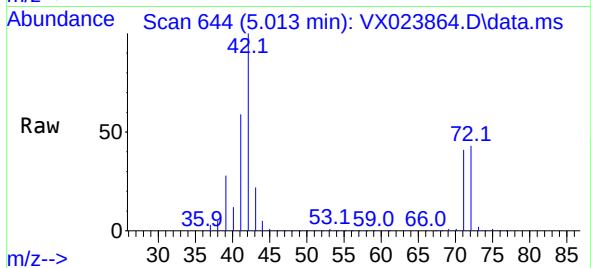
Tgt Ion: 42 Resp: 1178655

Ion	Ratio	Lower	Upper
42	100		
72	43.1	41.7	62.5
71	40.6	38.4	57.6

Instrument :
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#33

1,2-Dichloroethane-d4

Concen: 51.016 ug/l

RT: 5.964 min Scan# 800

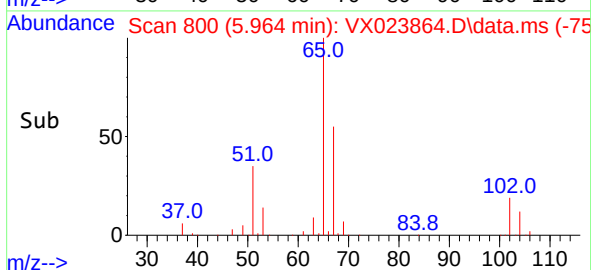
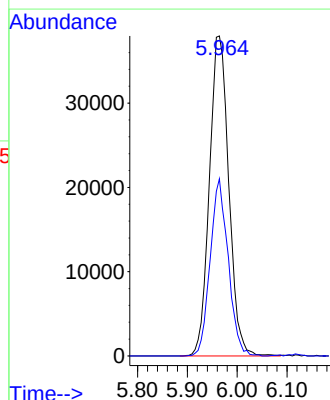
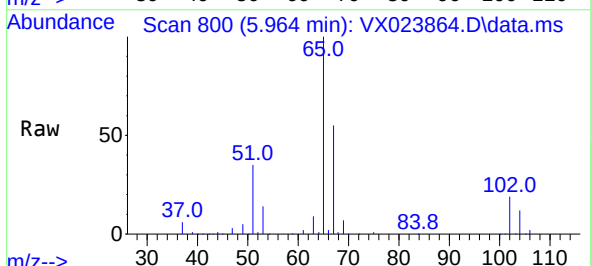
Delta R.T. 0.000 min

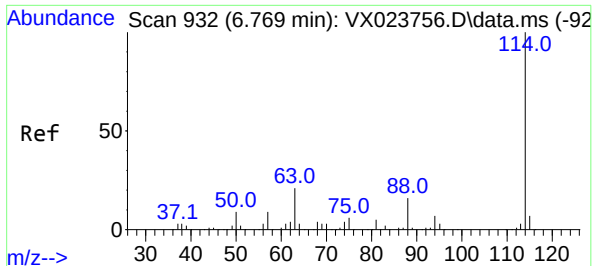
Lab File: VX023864.D

Acq: 20 Aug 2021 01:39

Tgt Ion: 65 Resp: 102542

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	105.4





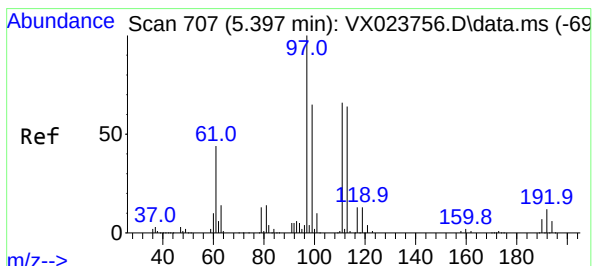
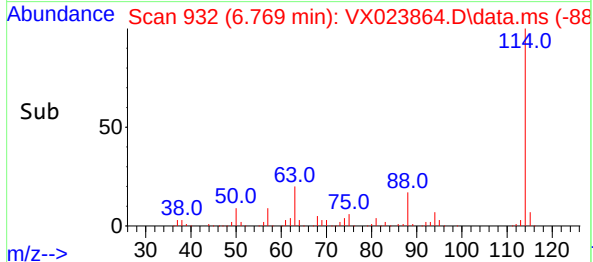
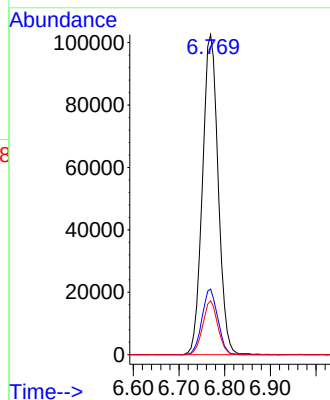
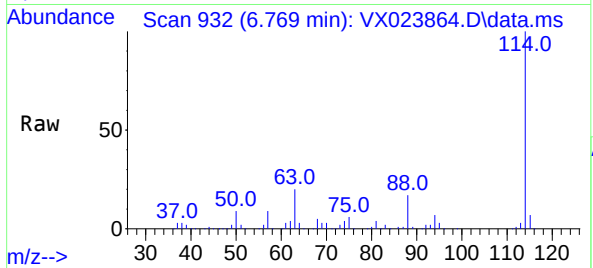
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion:114 Resp: 244200
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 16.9 0.0 32.8

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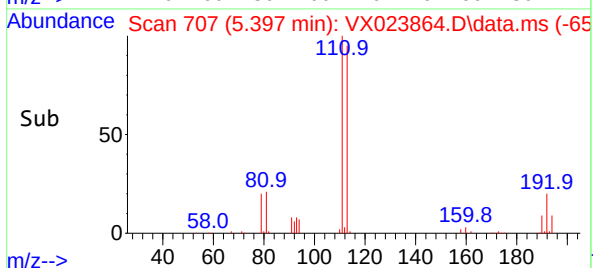
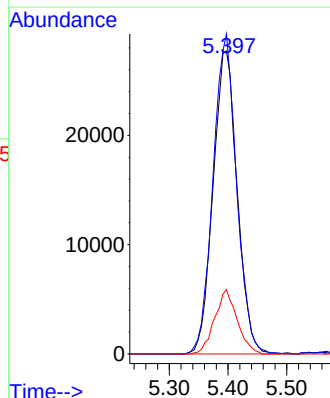
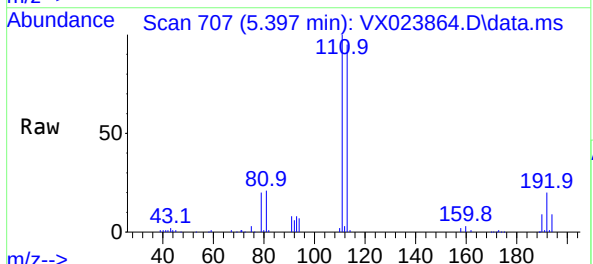
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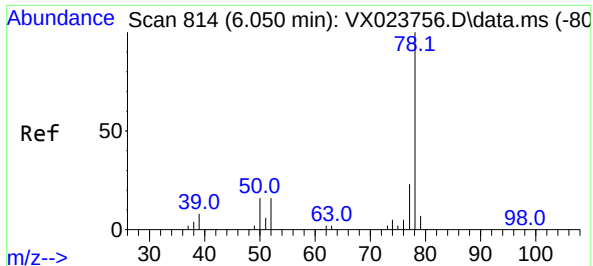
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#35
Dibromofluoromethane
Concen: 48.925 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion:113 Resp: 79077
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 19.8 16.7 25.1





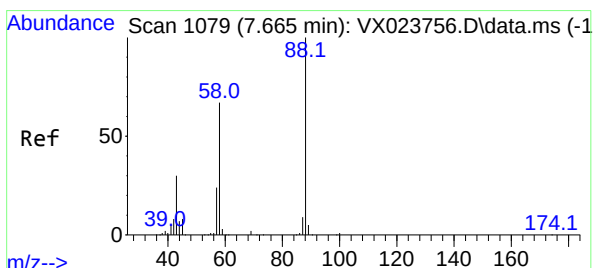
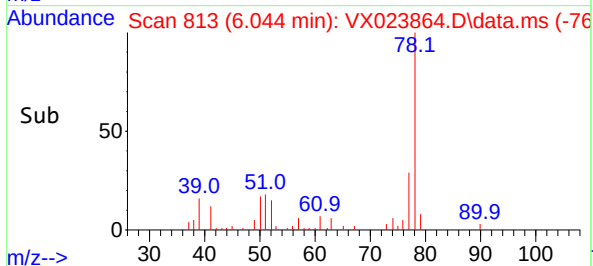
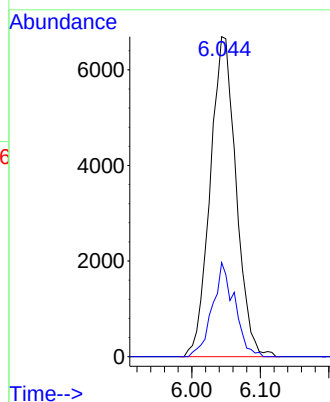
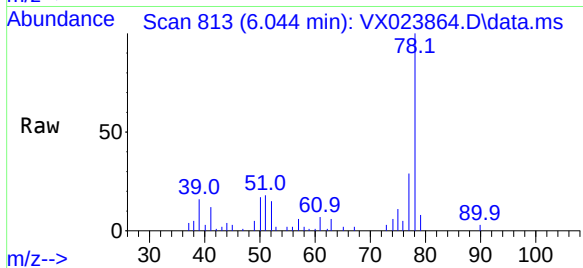
#40
Benzene
Concen: 2.630 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion: 78 Resp: 17590
Ion Ratio Lower Upper
78 100
77 29.4 18.9 28.3#

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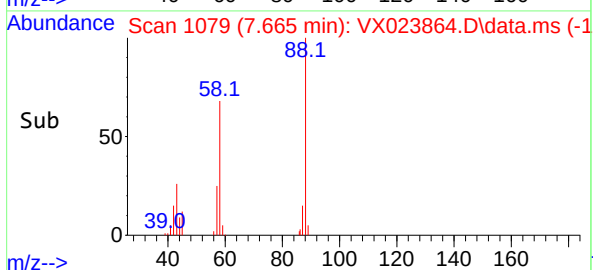
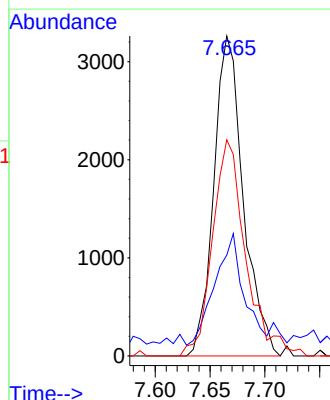
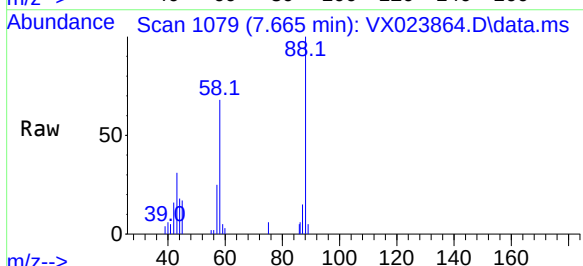
Manual Integrations
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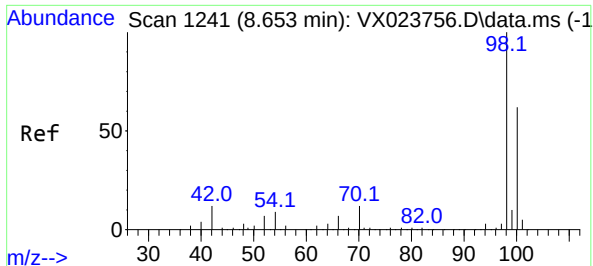
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8/20/2021 6:49:46 PM



#49
1,4-Dioxane
Concen: 136.426 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion: 88 Resp: 6116
Ion Ratio Lower Upper
88 100
43 34.1 23.2 34.8
58 75.7 55.0 82.4





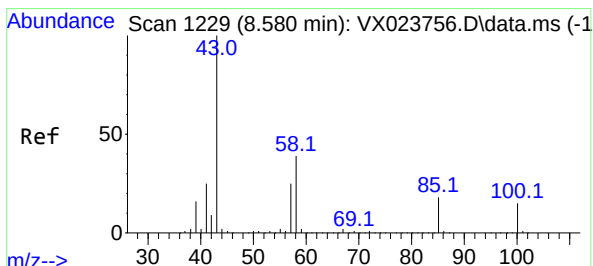
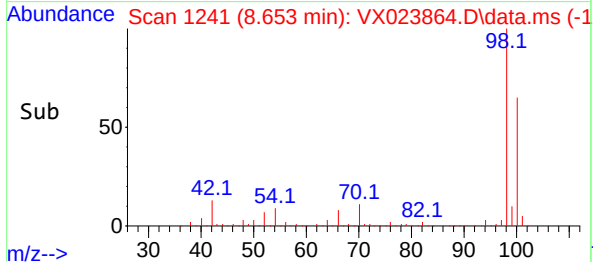
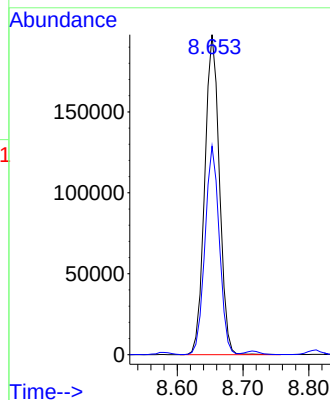
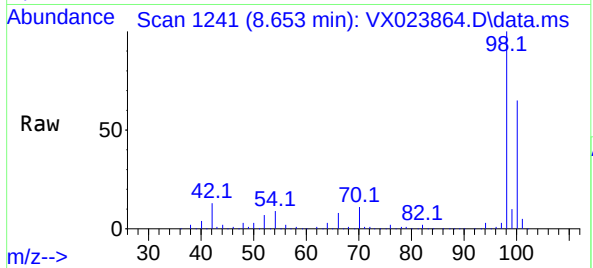
#50
Toluene-d8
Concen: 49.793 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion: 98 Resp: 306315
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

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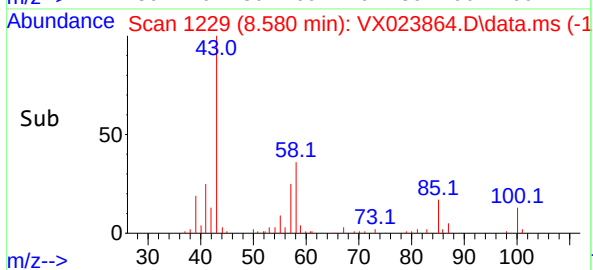
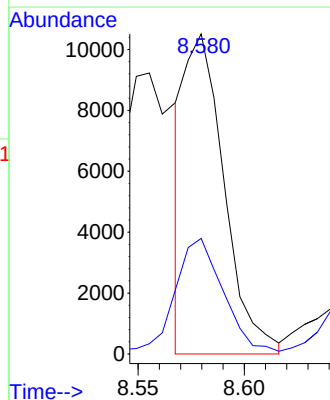
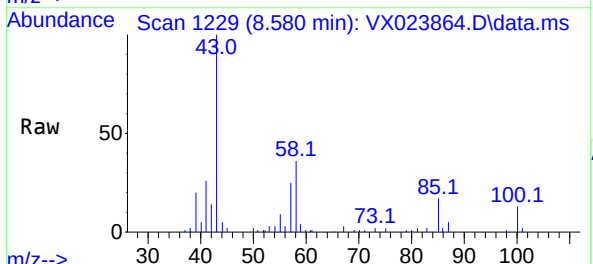
Manual Integrations
APPROVED

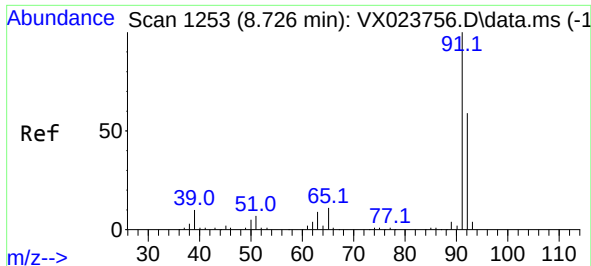
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#51
4-Methyl-2-Pentanone
Concen: 4.861 ug/l m
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion: 43 Resp: 13663
Ion Ratio Lower Upper
43 100
58 5.0 35.4 53.0#





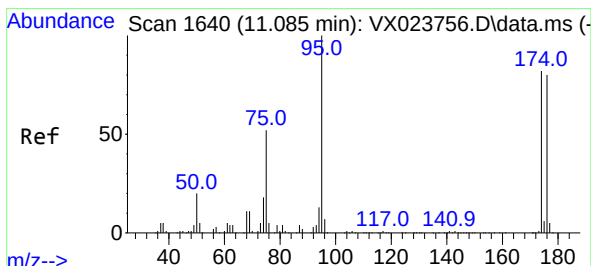
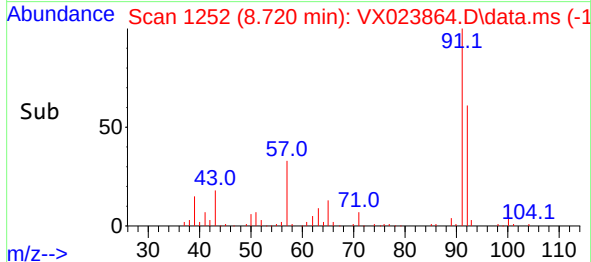
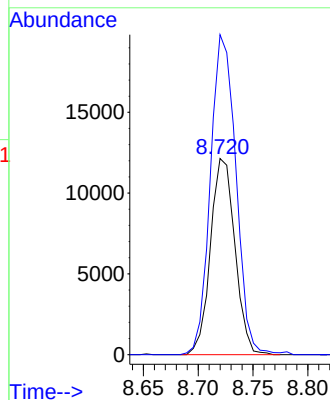
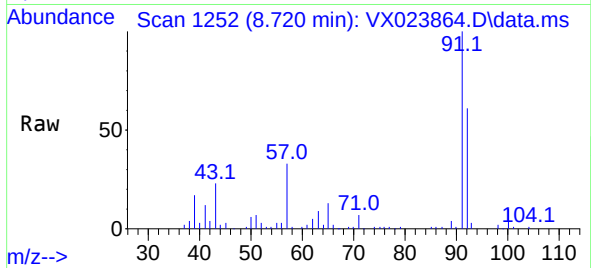
#52
Toluene
Concen: 4.348 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion: 92 Resp: 18839
Ion Ratio Lower Upper
92 100
91 170.3 137.1 205.7

Instrument :
MSVOA_X
ClientSampleId :
210818092-02-VOA

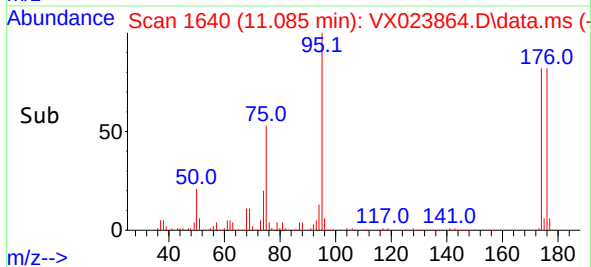
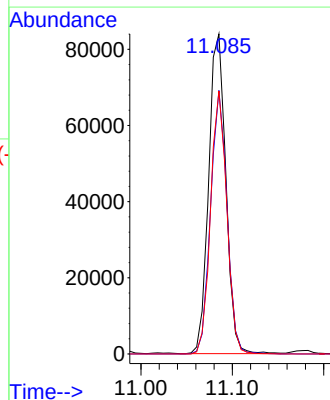
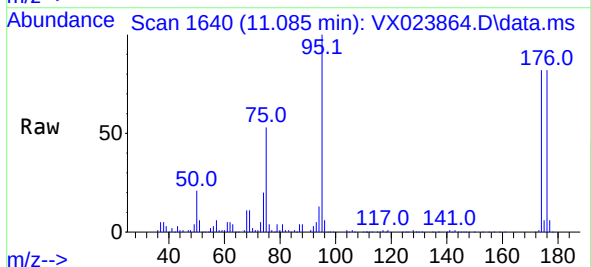
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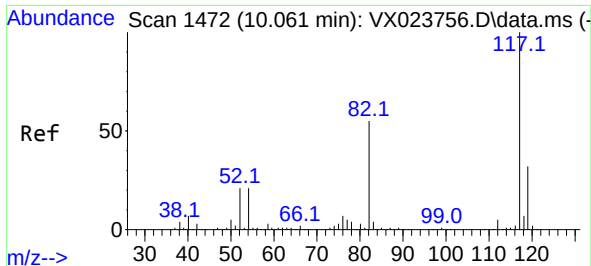
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#62
4-Bromofluorobenzene
Concen: 48.338 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion: 95 Resp: 109466
Ion Ratio Lower Upper
95 100
174 78.6 0.0 154.6
176 77.6 0.0 155.8





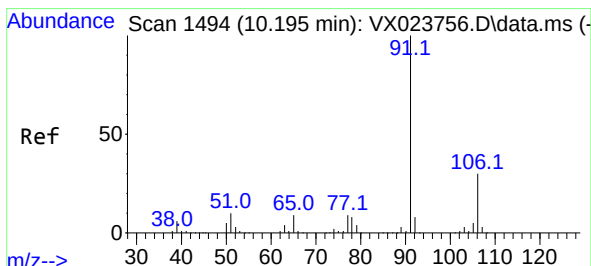
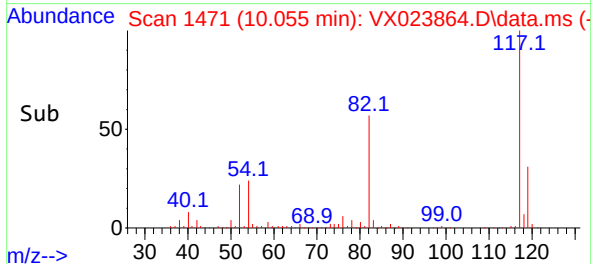
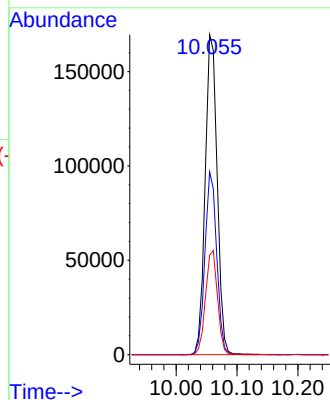
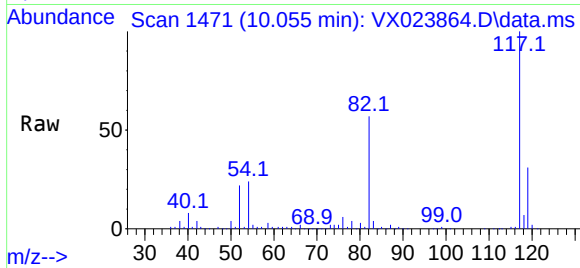
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion: 117 Resp: 232724
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.1 26.6 39.8

Instrument :
MSVOA_X
ClientSampleId :
210818092-02-VOA

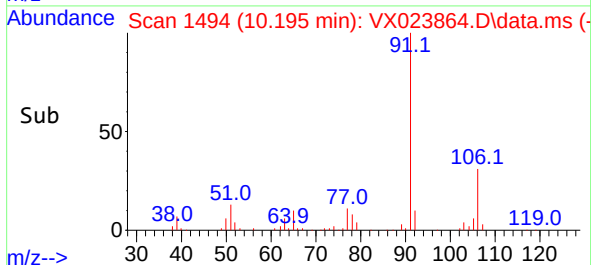
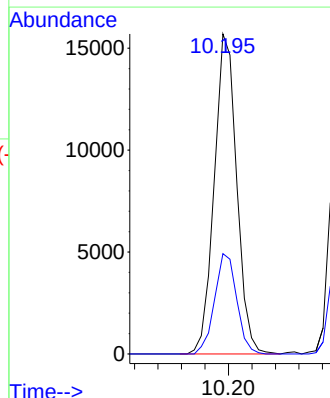
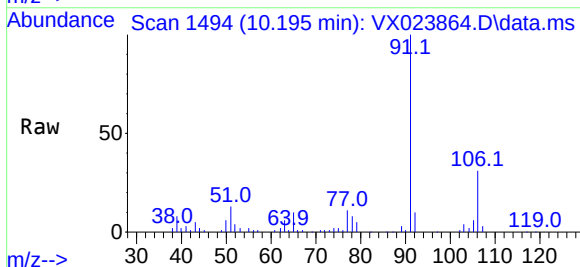
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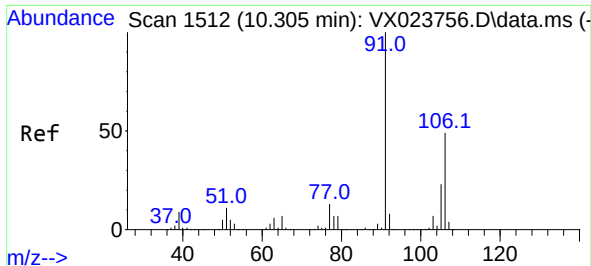
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#67
Ethyl Benzene
Concen: 2.460 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion: 91 Resp: 20861
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0





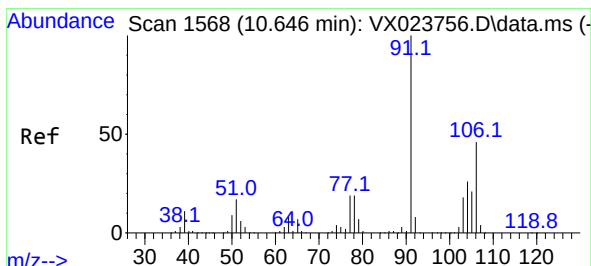
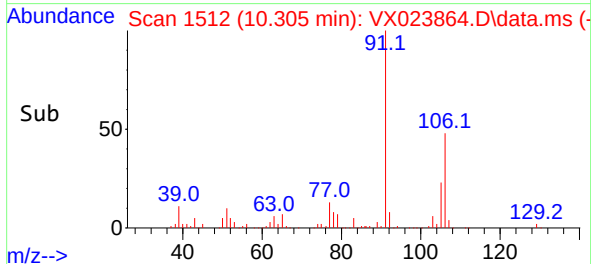
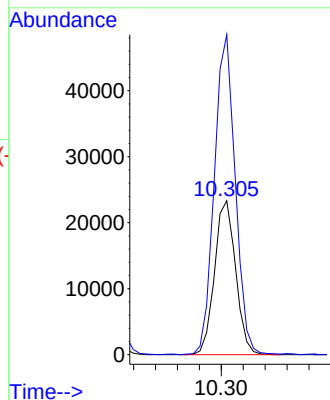
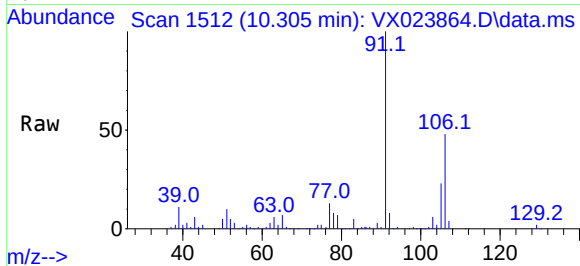
#68
m/p-Xylenes
Concen: 9.648 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion:106 Resp: 31165
Ion Ratio Lower Upper
106 100
91 207.0 162.8 244.2

Instrument :
MSVOA_X
ClientSampleId :
210818092-02-VOA

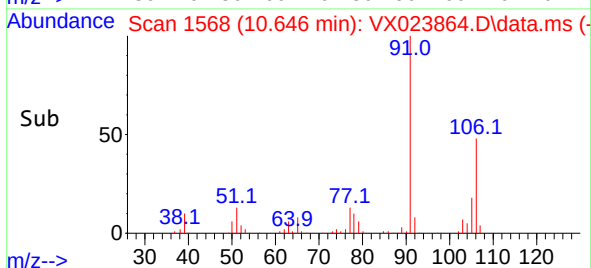
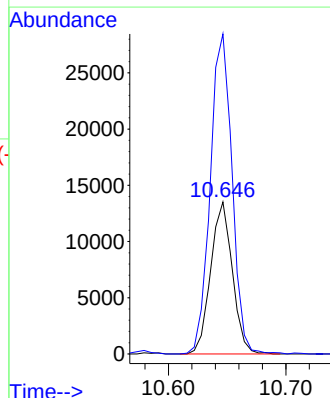
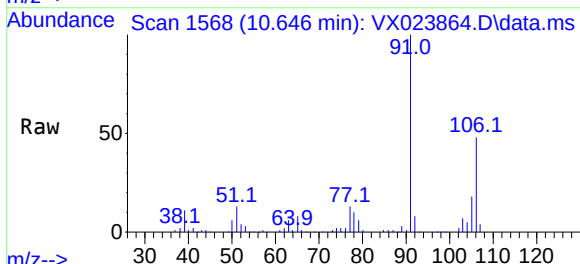
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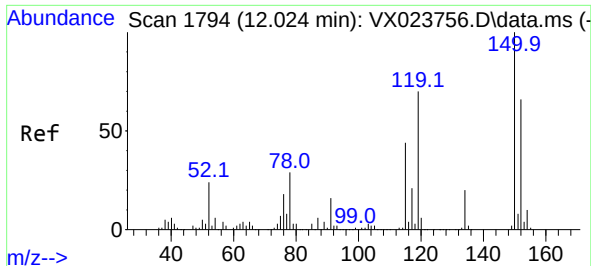
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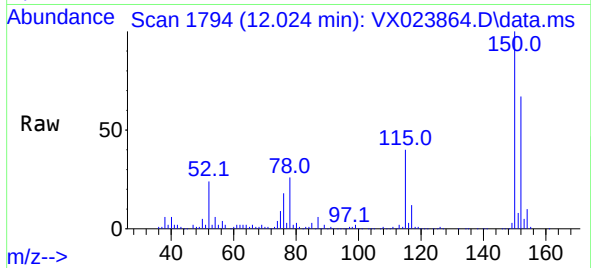
#69
o-Xylene
Concen: 5.453 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion:106 Resp: 17310
Ion Ratio Lower Upper
106 100
91 211.8 108.1 324.2

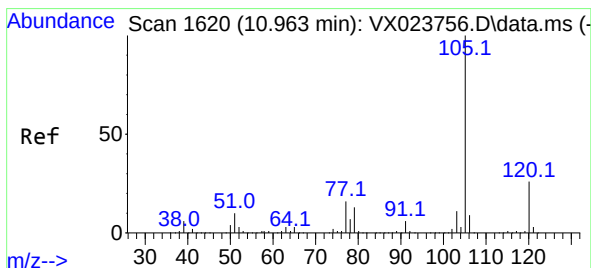
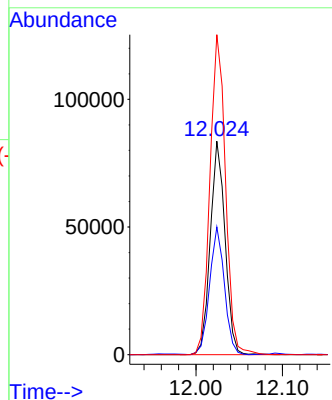
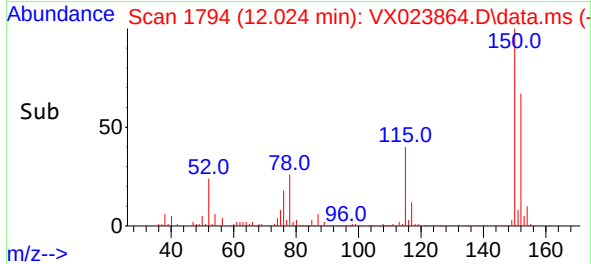




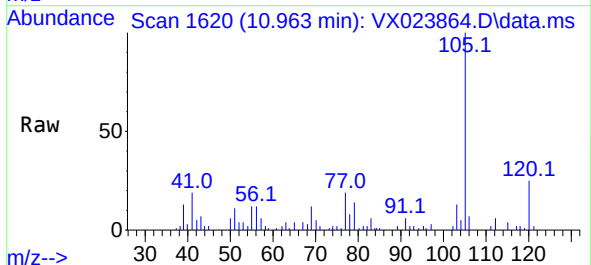
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39



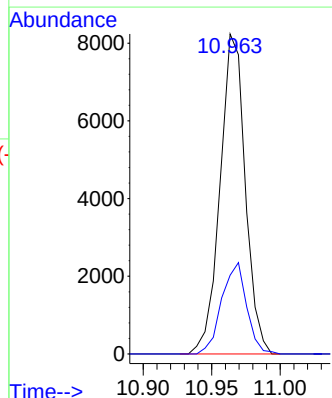
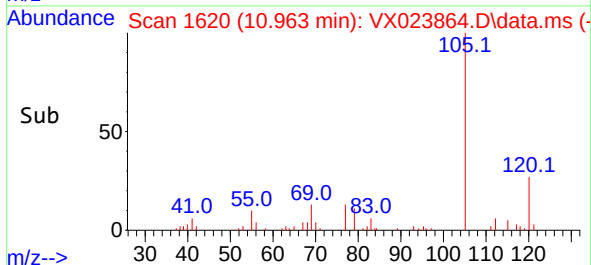
Tgt Ion:152 Resp: 99253
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 157.6 0.0 349.0



#73
Isopropylbenzene
Concen: 1.390 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39



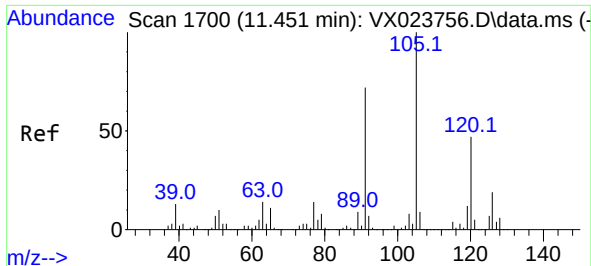
Tgt Ion:105 Resp: 10520
Ion Ratio Lower Upper
105 100
120 28.3 13.2 39.6



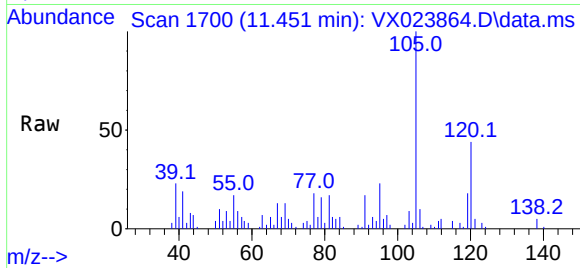
Instrument :
MSVOA_X
ClientSampleId :
210818092-02-VOA

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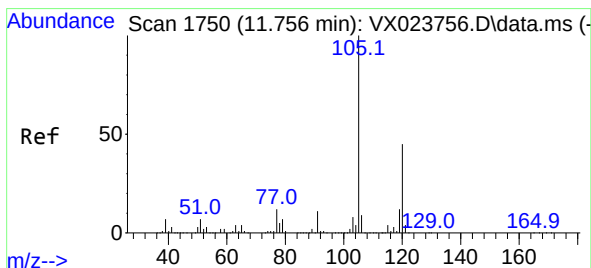
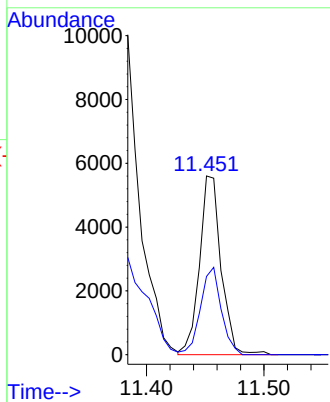
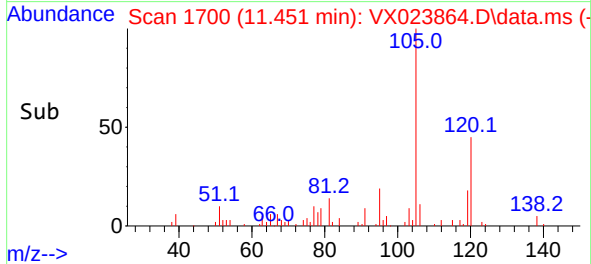
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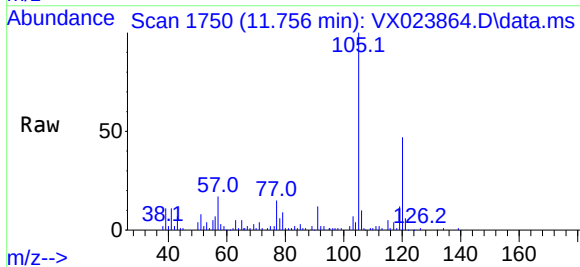
#80
1,3,5-Trimethylbenzene
Concen: 1.151 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39



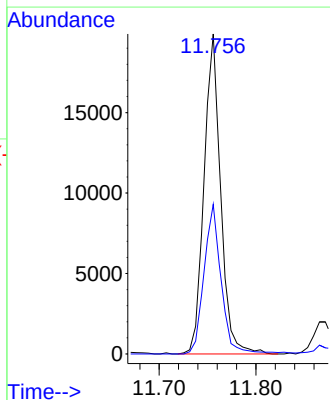
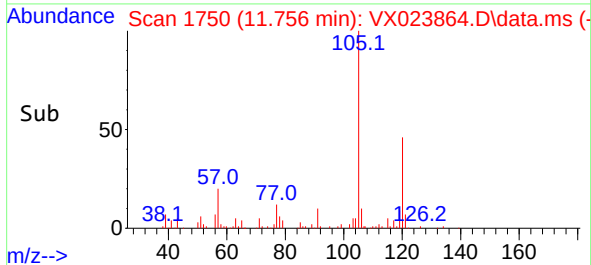
Tgt Ion:105 Resp: 7159
Ion Ratio Lower Upper
105 100
120 47.0 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 3.839 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39



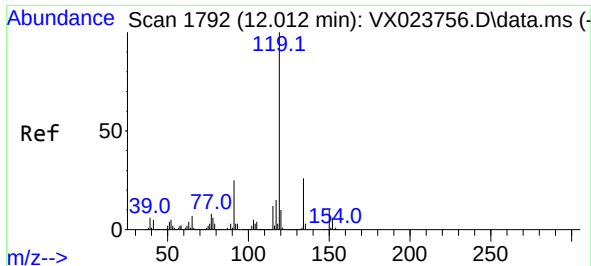
Tgt Ion:105 Resp: 23811
Ion Ratio Lower Upper
105 100
120 48.5 22.4 67.3



Instrument :
MSVOA_X
ClientSampleId :
210818092-02-VOA

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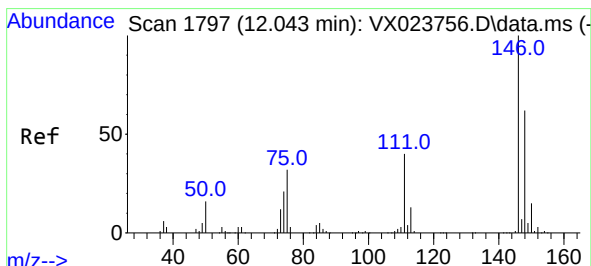
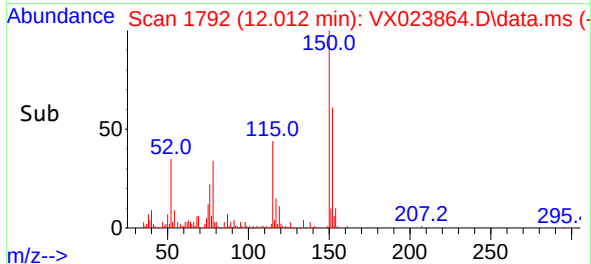
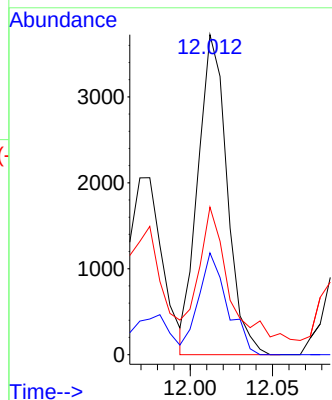
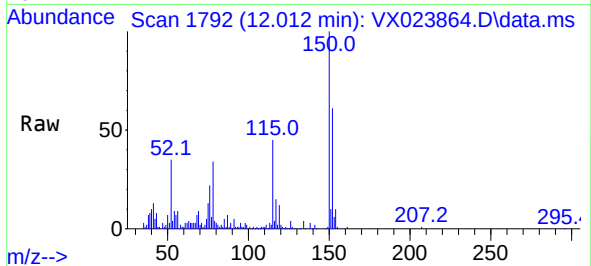
#86
p-Isopropyltoluene
Concen: 0.729 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Tgt Ion:119 Resp: 4588
Ion Ratio Lower Upper
119 100
134 31.7 12.9 38.7
91 41.2 11.7 35.0#

Instrument :
MSVOA_X
ClientSampleId :
210818092-02-VOA

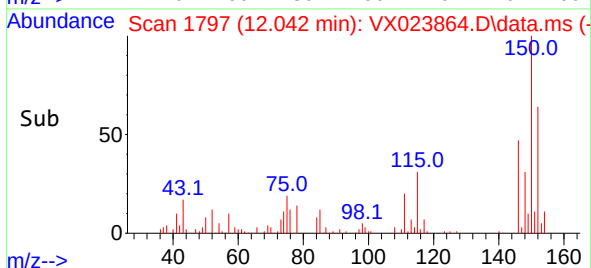
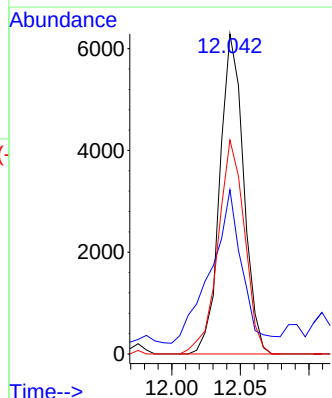
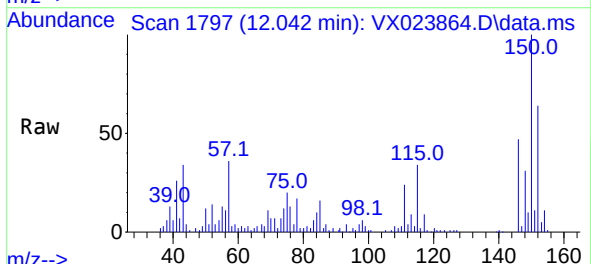
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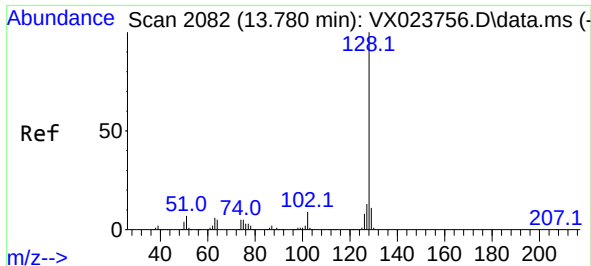
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#88
1,4-Dichlorobenzene
Concen: 2.250 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.001 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

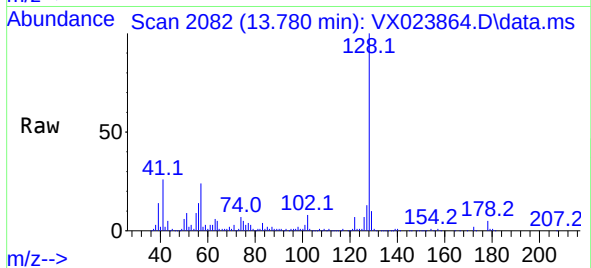
Tgt Ion:146 Resp: 7570
Ion Ratio Lower Upper
146 100
111 62.3 19.6 58.8#
148 74.7 31.6 95.0





#95
Naphthalene
Concen: 15.087 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023864.D
Acq: 20 Aug 2021 01:39

Instrument :
MSVOA_X
ClientSampleId :
210818092-02-VOA



Tgt Ion:128 Resp: 102856
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.1 8.8 13.2

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