

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010322\
 Data File : VX026254.D
 Acq On : 04 Jan 2022 05:06
 Operator : JC/MD
 Sample : M5336-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40569

Quant Time: Jan 04 17:28:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	232524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	399377	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	364236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.036	152	174226	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167938	49.923	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.840%
35) Dibromofluoromethane	5.403	113	116109	44.718	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.440%
50) Toluene-d8	8.653	98	484239	50.139	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.280%
62) 4-Bromofluorobenzene	11.085	95	193546	56.294	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.580%

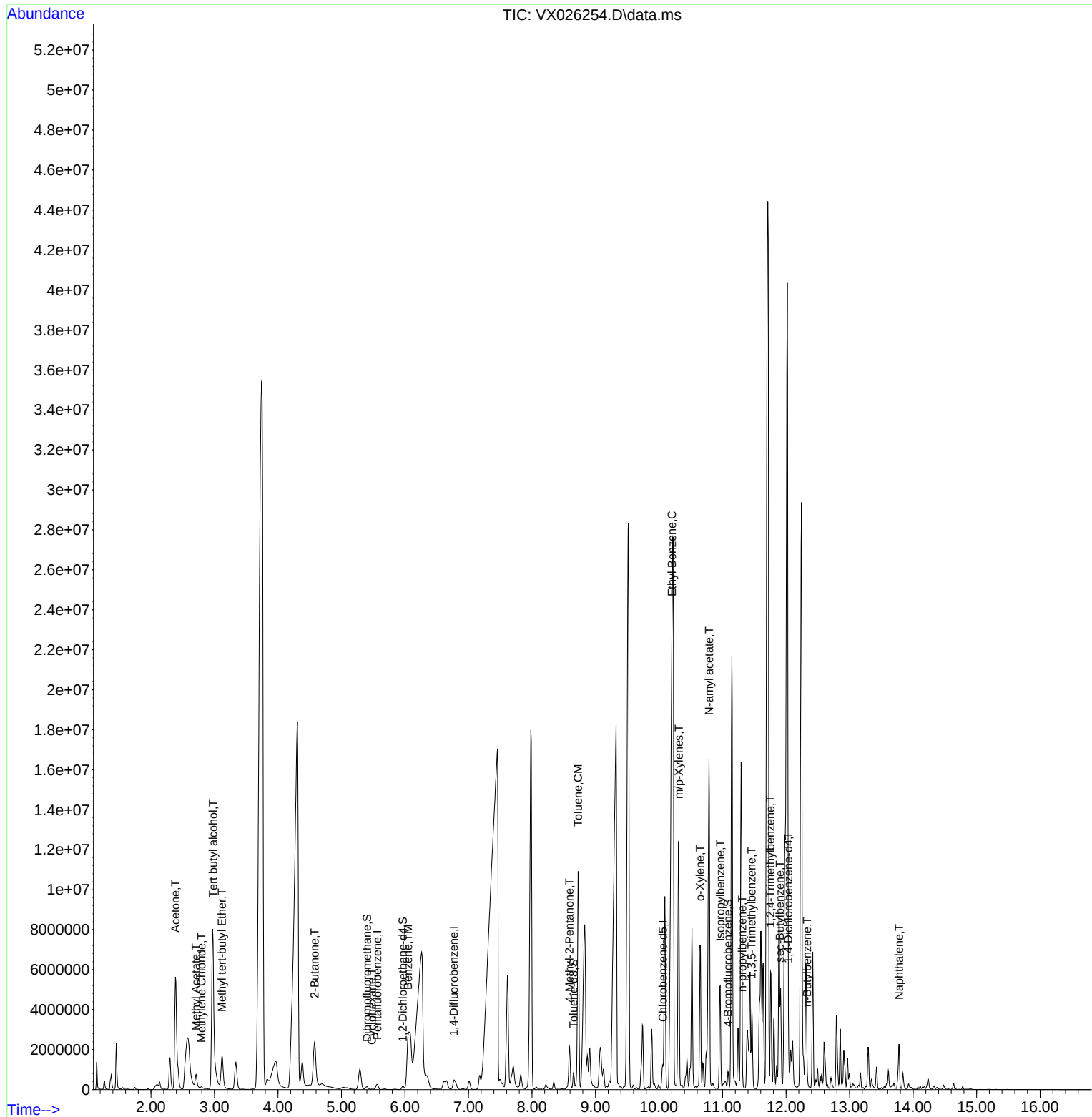
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.977	59	3237316	4818.233	ug/l #	94
16) Acetone	2.386	43	7753268	4253.887	ug/l	99
18) Methyl Acetate	2.709	43	841312	142.307	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	1781800	198.119	ug/l	97
20) Methylene Chloride	2.794	84	28343	8.950	ug/l	96
25) 2-Butanone	4.574	43	3978268	1566.914	ug/l	98
31) Cyclohexane	5.477	56	14332	2.992	ug/l	98
40) Benzene	6.050	78	2958323	247.513	ug/l	97
51) 4-Methyl-2-Pentanone	8.592	43	1393921	283.037	ug/l	98
52) Toluene	8.726	92	4066934	552.719	ug/l	93
67) Ethyl Benzene	10.201	91	1238026	86.533	ug/l	98
68) m/p-Xylenes	10.311	106	2998357	561.285	ug/l	97
69) o-Xylene	10.646	106	1500539	287.088	ug/l	98
73) Isopropylbenzene	10.963	105	104466	7.714	ug/l	97
74) N-amyl acetate	10.787	43	3279086	527.313	ug/l #	1
78) n-propylbenzene	11.311	91	284974	18.302	ug/l	91
80) 1,3,5-Trimethylbenzene	11.457	105	646109	57.490	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	2630099	234.211	ug/l	97
85) sec-Butylbenzene	11.902	105	59313m	4.357	ug/l	
89) n-Butylbenzene	12.329	91	122405	12.137	ug/l #	34
95) Naphthalene	13.780	128	1306686	97.040	ug/l	100

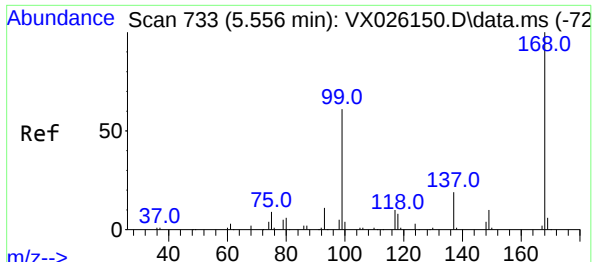
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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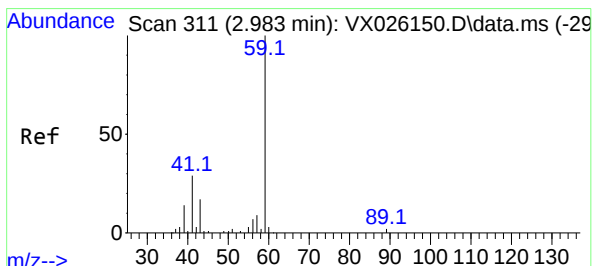
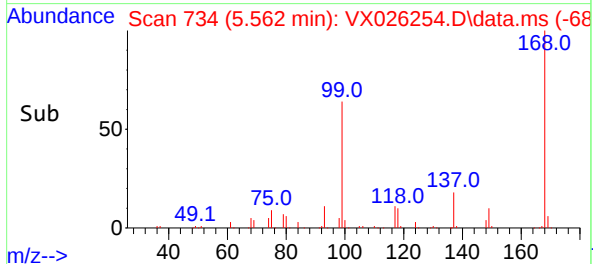
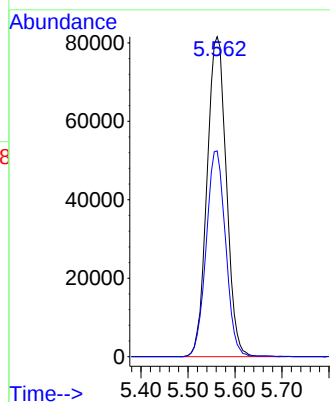
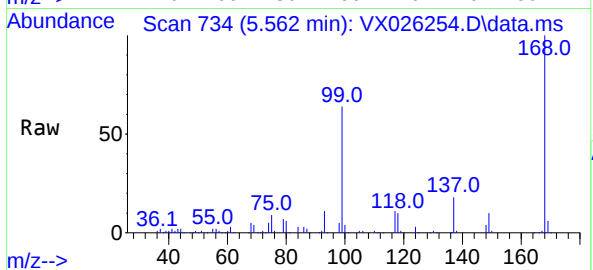




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

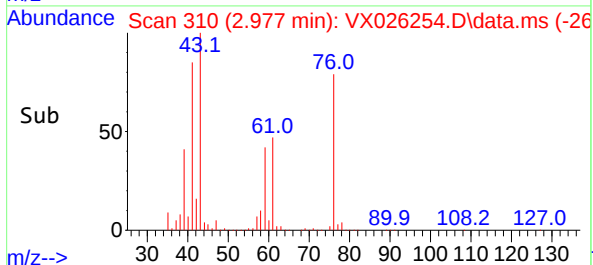
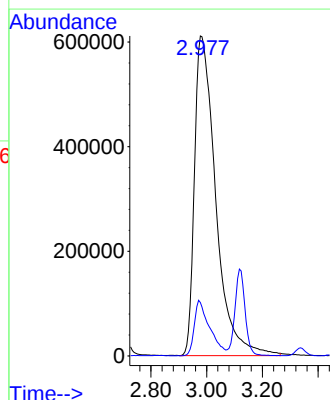
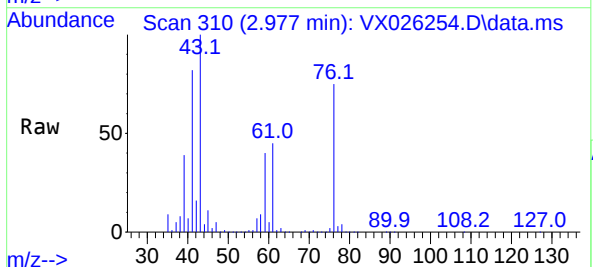
Instrument :
MSVOA_X
ClientSampleId :
40569

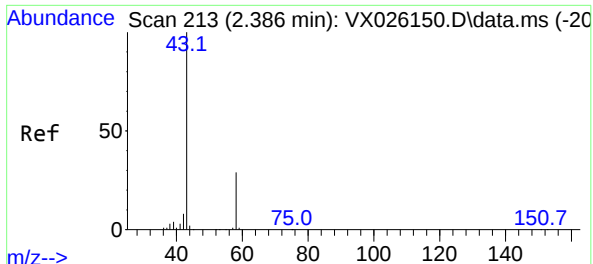
Tgt Ion:168 Resp: 232524
Ion Ratio Lower Upper
168 100
99 64.3 45.8 68.8



#11
Tert butyl alcohol
Concen: 4818.233 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

Tgt Ion: 59 Resp: 3237316
Ion Ratio Lower Upper
59 100
57 12.6 8.2 12.2#

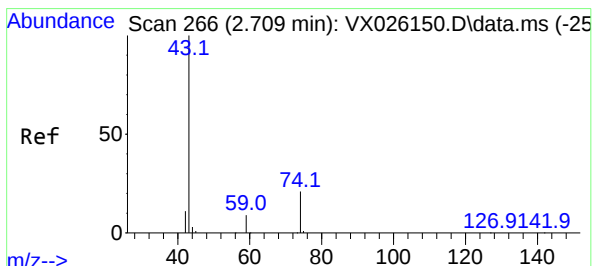
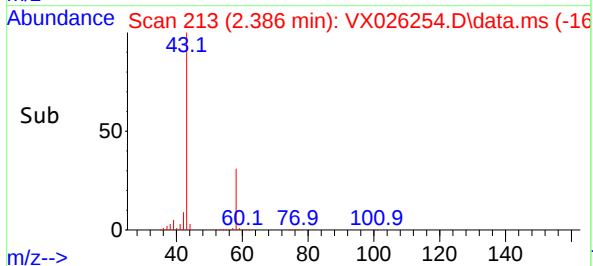
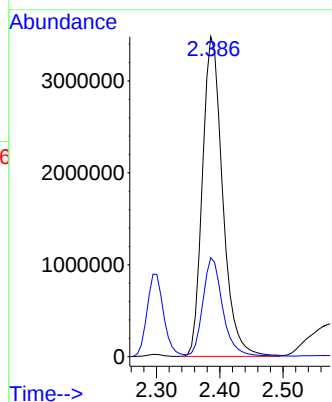
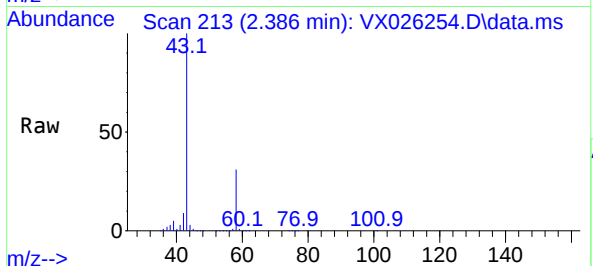




#16
Acetone
Concen: 4253.887 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

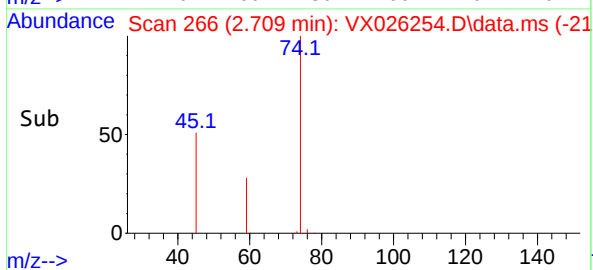
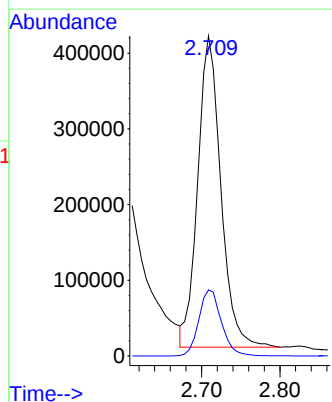
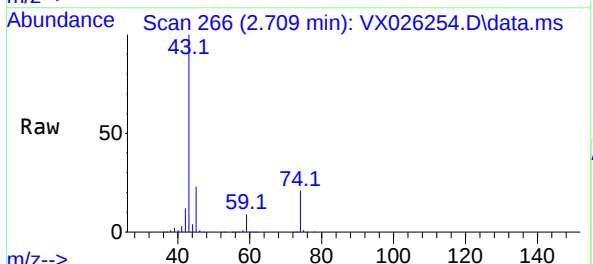
Instrument :
MSVOA_X
ClientSampleId :
40569

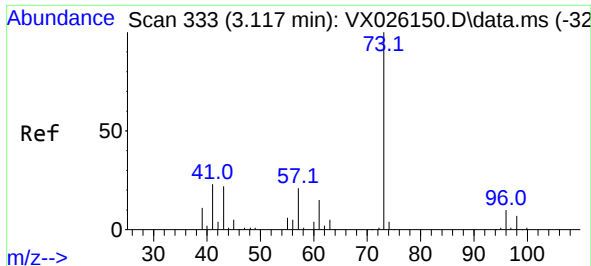
Tgt Ion: 43 Resp: 7753268
Ion Ratio Lower Upper
43 100
58 30.7 24.8 37.2



#18
Methyl Acetate
Concen: 142.307 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

Tgt Ion: 43 Resp: 841312
Ion Ratio Lower Upper
43 100
74 20.8 19.1 28.7

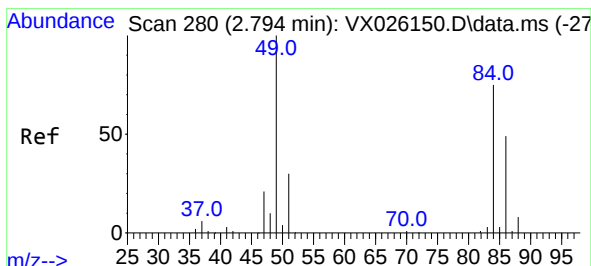
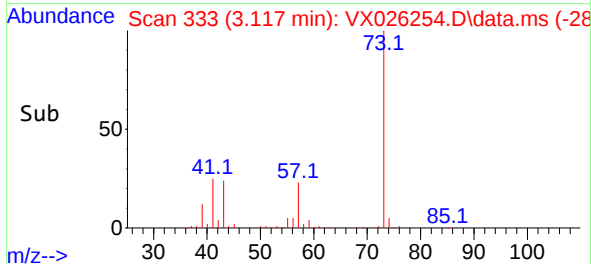
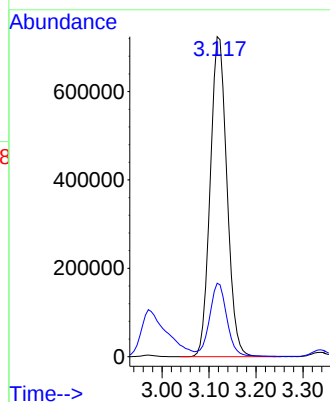
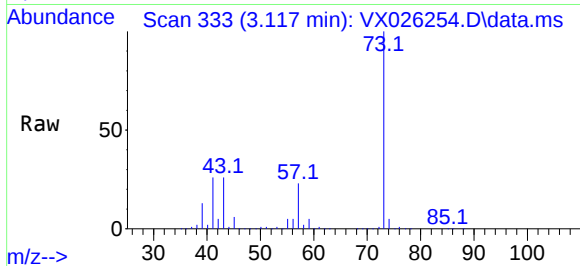




#19
Methyl tert-butyl Ether
Concen: 198.119 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

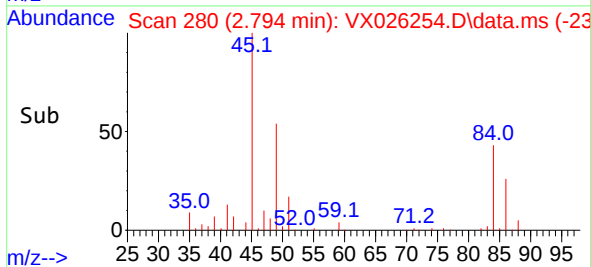
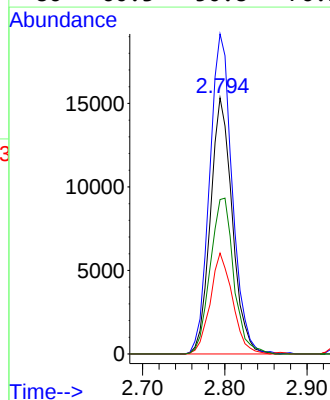
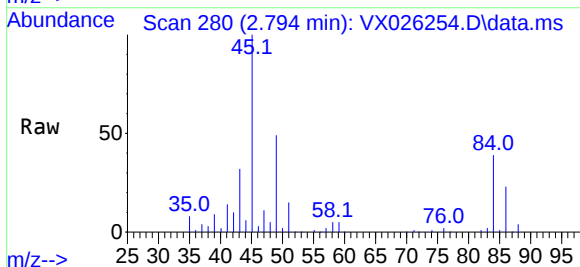
Instrument :
MSVOA_X
ClientSampleId :
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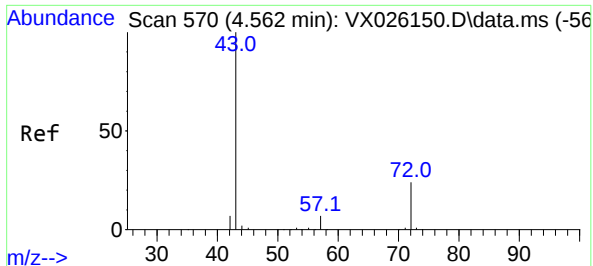
Tgt Ion: 73 Resp: 1781800
Ion Ratio Lower Upper
73 100
57 22.8 17.0 25.6



#20
Methylene Chloride
Concen: 8.950 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

Tgt Ion: 84 Resp: 28343
Ion Ratio Lower Upper
84 100
49 124.9 97.1 145.7
51 39.4 29.3 43.9
86 60.3 50.8 76.2





#25

2-Butanone

Concen: 1566.914 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX026254.D

Acq: 04 Jan 2022 05:06

Instrument :

MSVOA_X

ClientSampleId :

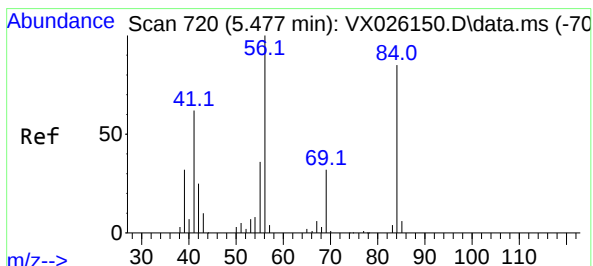
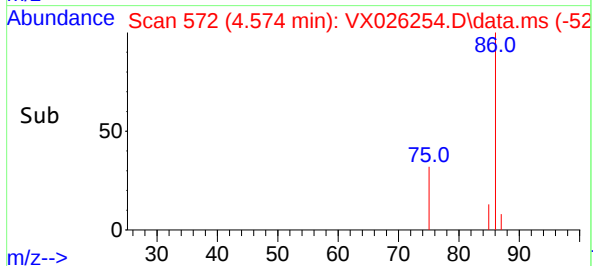
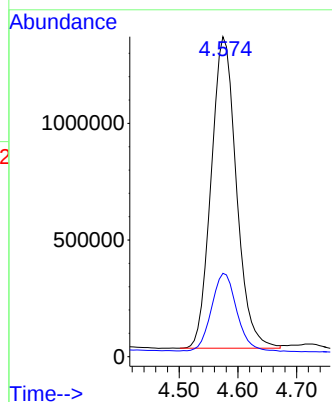
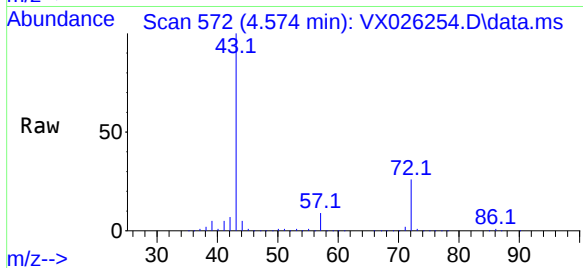
40569

Tgt Ion: 43 Resp: 3978268

Ion Ratio Lower Upper

43 100

72 25.0 21.0 31.4



#31

Cyclohexane

Concen: 2.992 ug/l

RT: 5.477 min Scan# 720

Delta R.T. -0.000 min

Lab File: VX026254.D

Acq: 04 Jan 2022 05:06

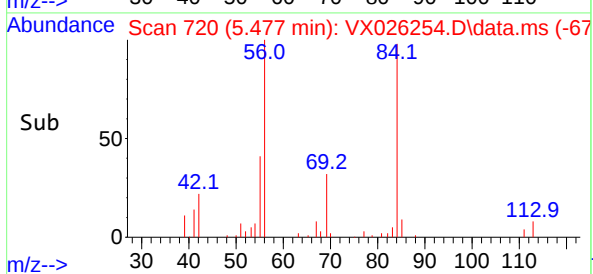
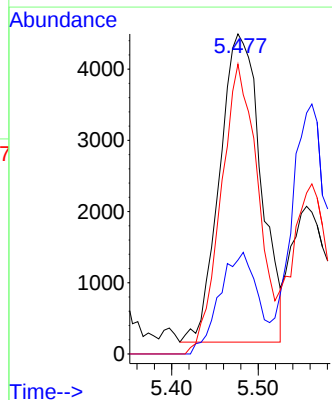
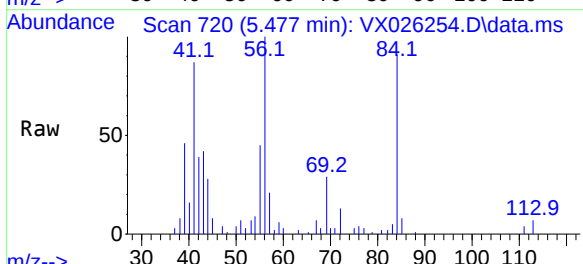
Tgt Ion: 56 Resp: 14332

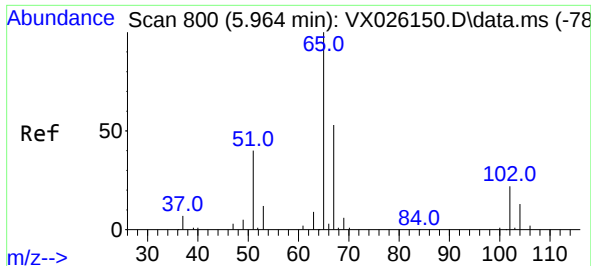
Ion Ratio Lower Upper

56 100

69 30.5 23.9 35.9

84 94.0 73.2 109.8





#33

1,2-Dichloroethane-d4

Concen: 49.923 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026254.D

Acq: 04 Jan 2022 05:06

Instrument :

MSVOA_X

ClientSampleId :

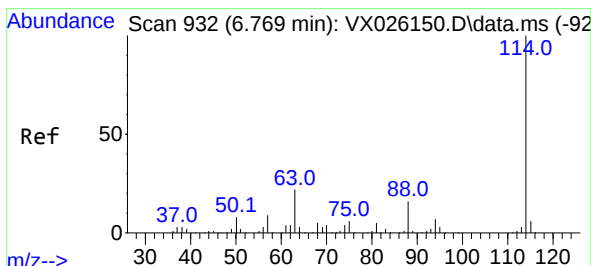
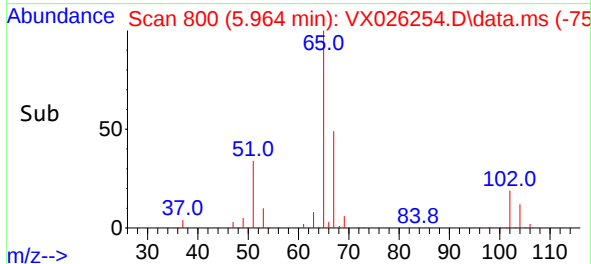
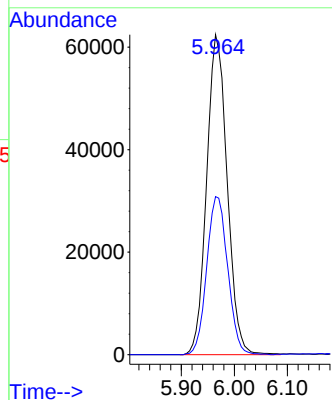
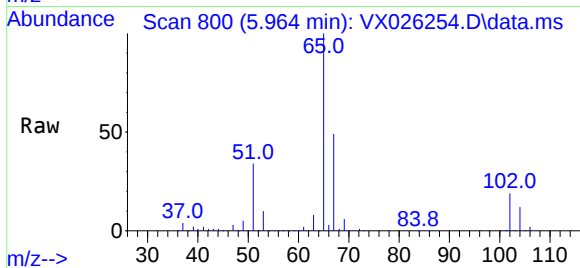
40569

Tgt Ion: 65 Resp: 167938

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026254.D

Acq: 04 Jan 2022 05:06

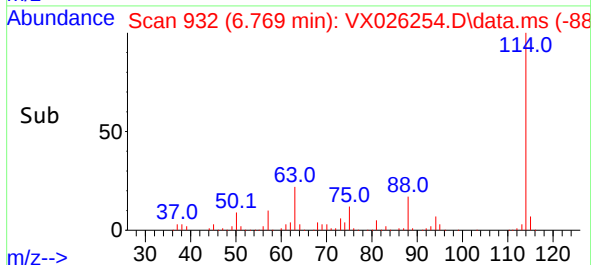
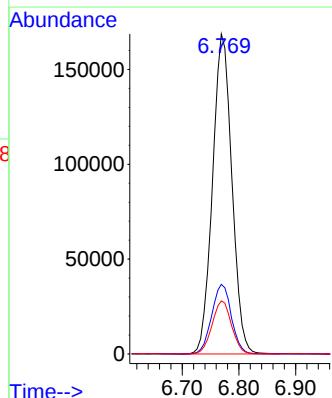
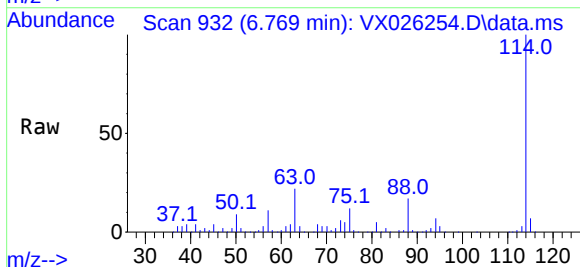
Tgt Ion: 114 Resp: 399377

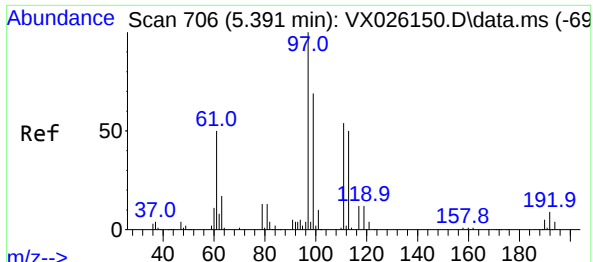
Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 16.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 44.718 ug/l

RT: 5.403 min Scan# 706

Delta R.T. 0.012 min

Lab File: VX026254.D

Acq: 04 Jan 2022 05:06

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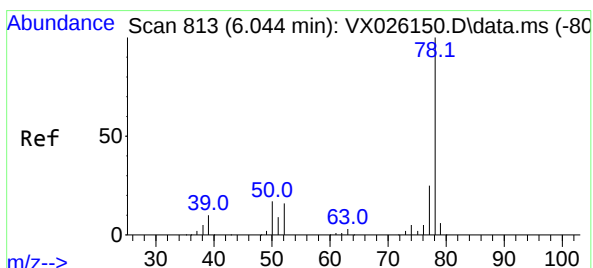
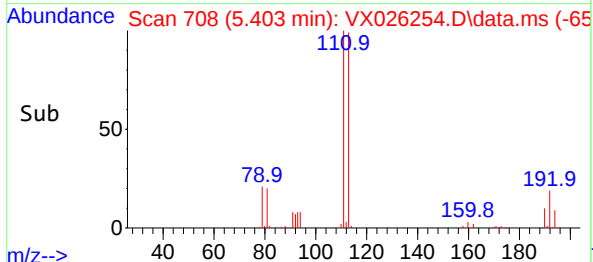
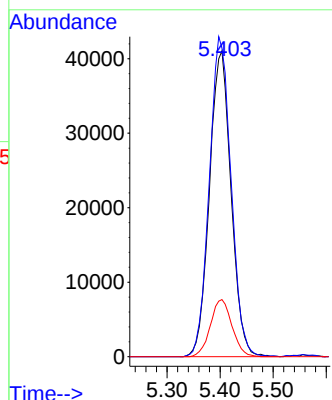
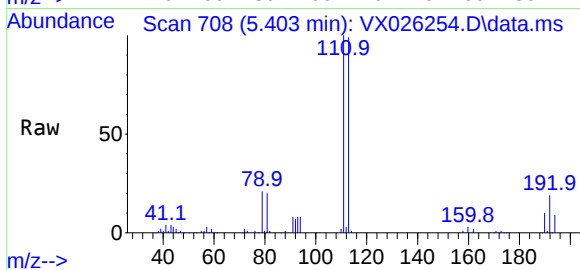
Tgt Ion:113 Resp: 116109

Ion Ratio Lower Upper

113 100

111 105.3 81.8 122.8

192 18.7 15.0 22.4



#40

Benzene

Concen: 247.513 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX026254.D

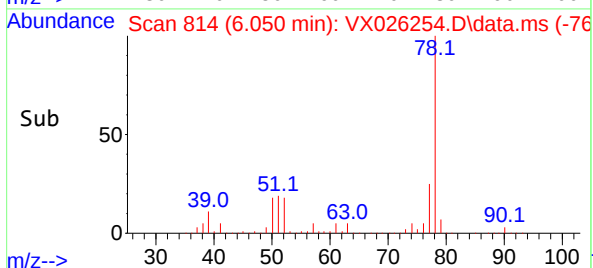
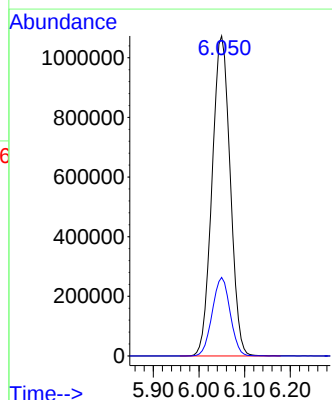
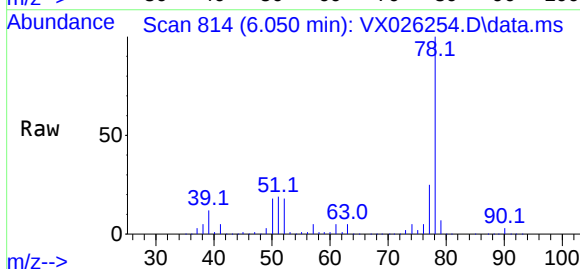
Acq: 04 Jan 2022 05:06

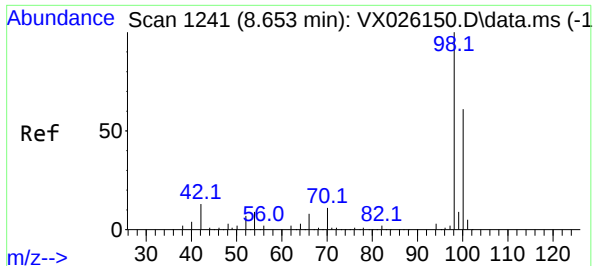
Tgt Ion: 78 Resp: 2958323

Ion Ratio Lower Upper

78 100

77 24.5 18.6 27.8

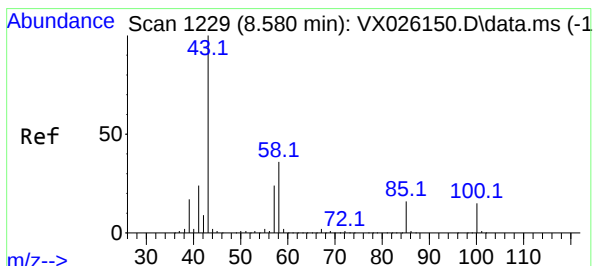
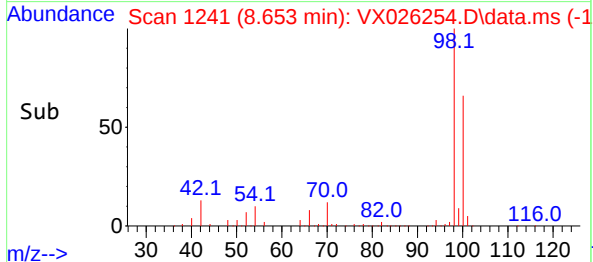
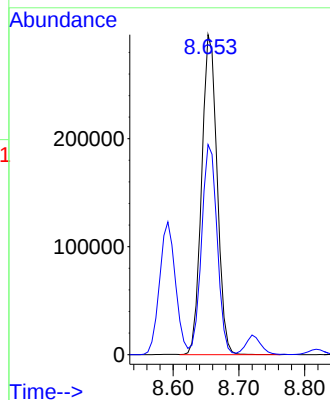
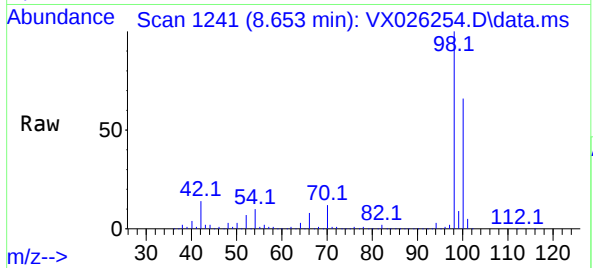




#50
Toluene-d8
Concen: 50.139 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

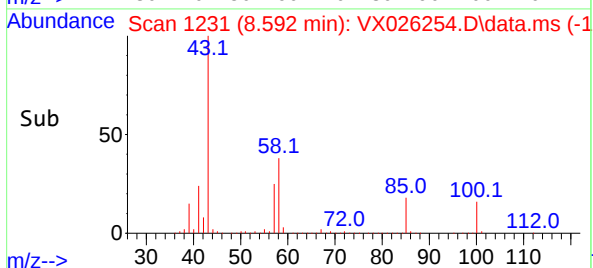
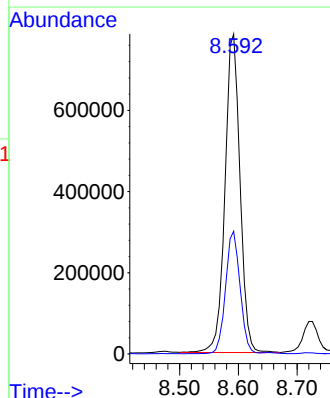
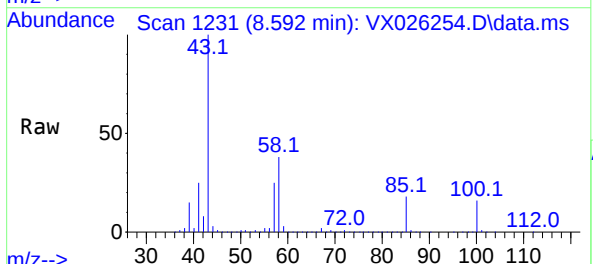
Instrument :
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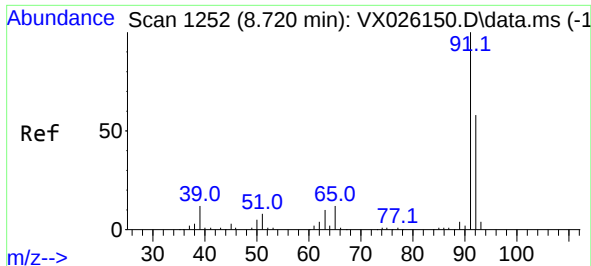
Tgt Ion: 98 Resp: 484239
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 283.037 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.012 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

Tgt Ion: 43 Resp: 1393921
Ion Ratio Lower Upper
43 100
58 37.2 30.8 46.2





#52

Toluene

Concen: 552.719 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX026254.D

Acq: 04 Jan 2022 05:06

Instrument :

MSVOA_X

ClientSampleId :

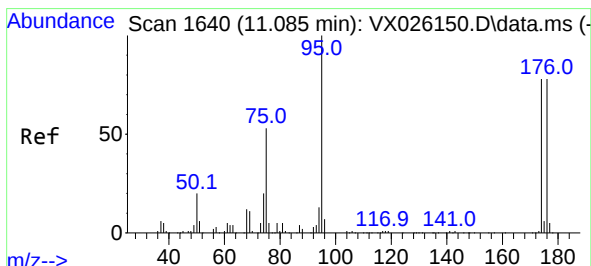
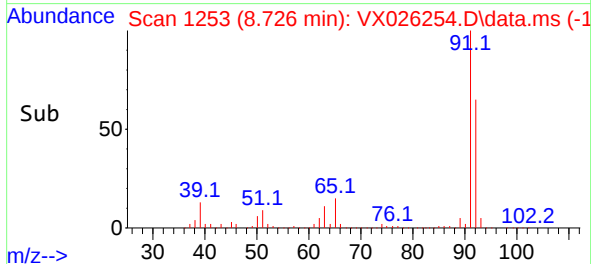
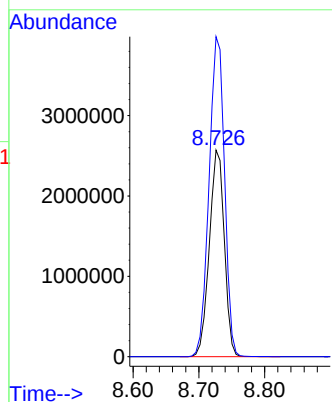
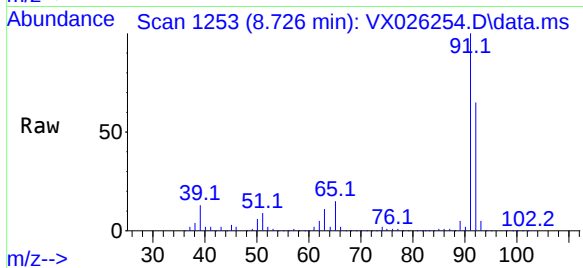
40569

Tgt Ion: 92 Resp: 4066934

Ion Ratio Lower Upper

92 100

91 160.3 136.0 204.0



#62

4-Bromofluorobenzene

Concen: 56.294 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX026254.D

Acq: 04 Jan 2022 05:06

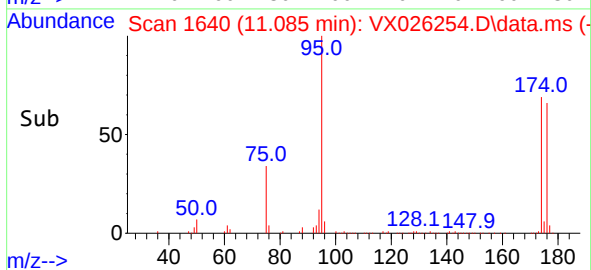
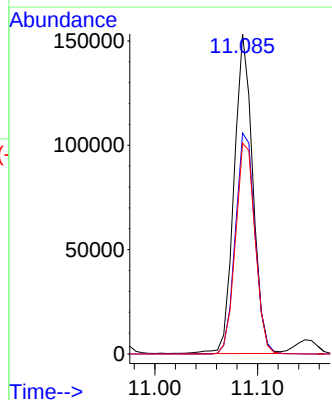
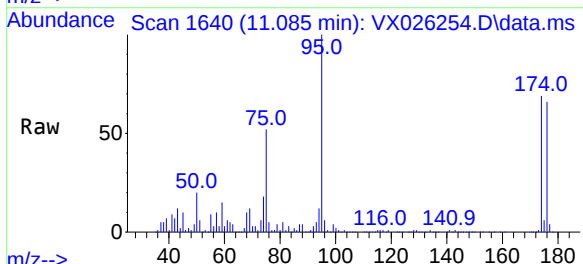
Tgt Ion: 95 Resp: 193546

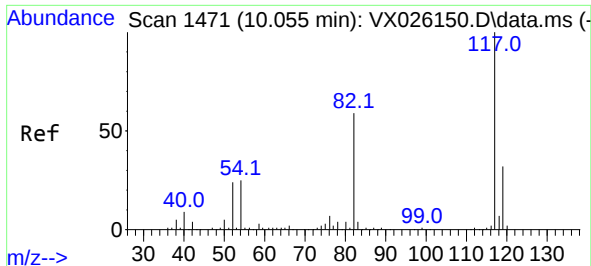
Ion Ratio Lower Upper

95 100

174 72.5 0.0 157.4

176 69.1 0.0 154.6

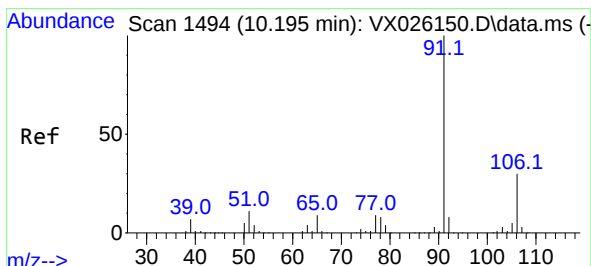
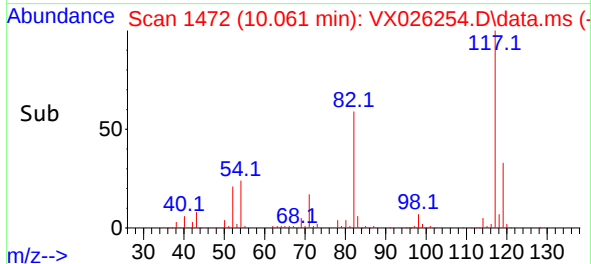
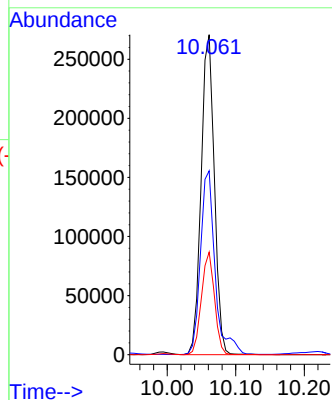
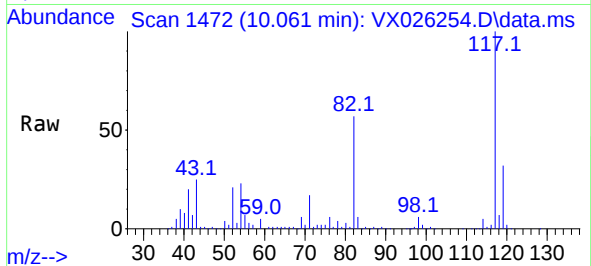




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

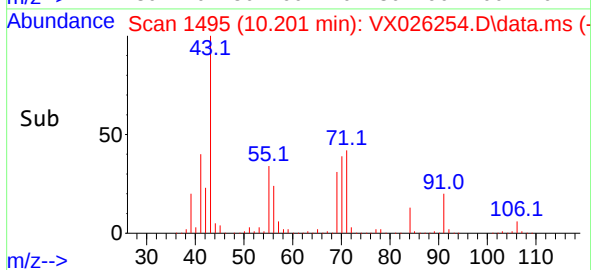
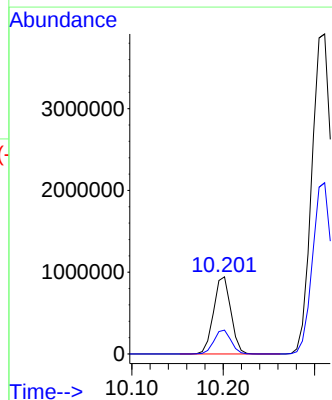
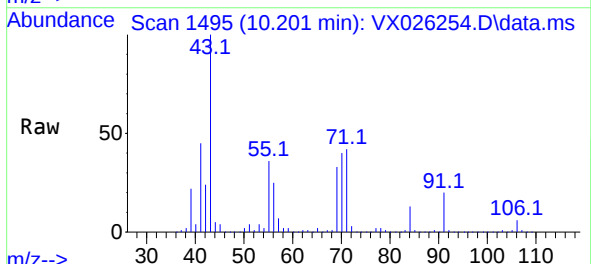
Instrument :
MSVOA_X
ClientSampleId :
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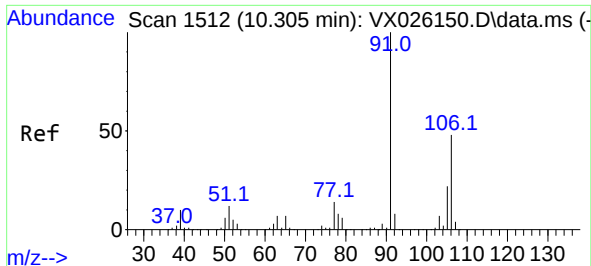
Tgt Ion:117 Resp: 364236
Ion Ratio Lower Upper
117 100
82 57.4 43.8 65.6
119 32.0 25.2 37.8



#67
Ethyl Benzene
Concen: 86.533 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

Tgt Ion: 91 Resp: 1238026
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5

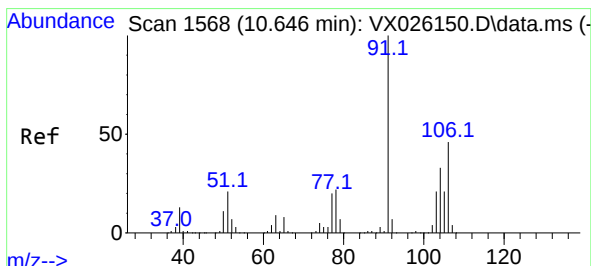
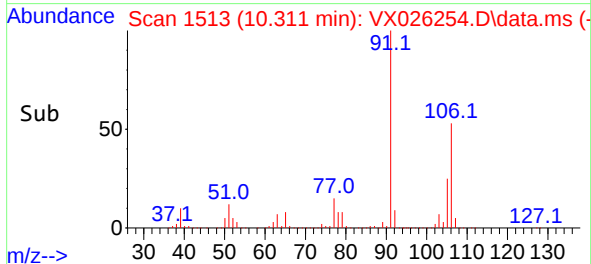
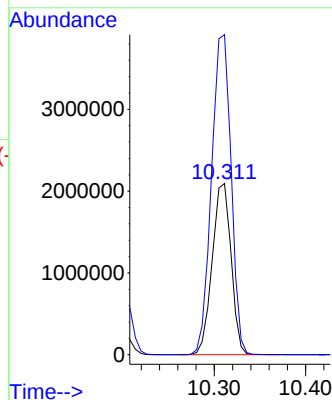
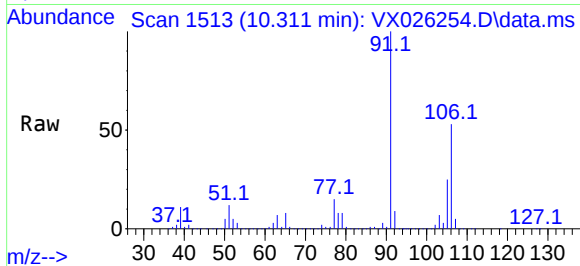




#68
m/p-Xylenes
Concen: 561.285 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

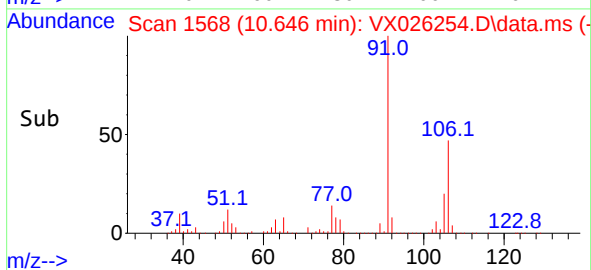
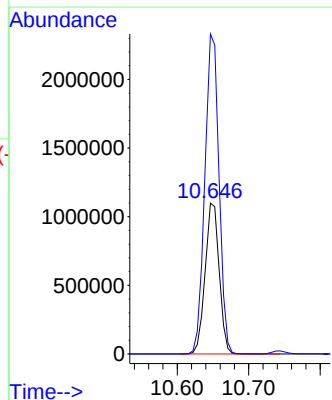
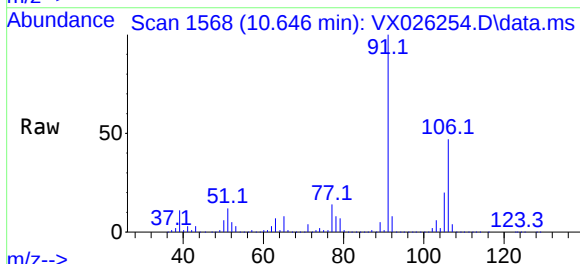
Instrument :
MSVOA_X
ClientSampleId :
40569

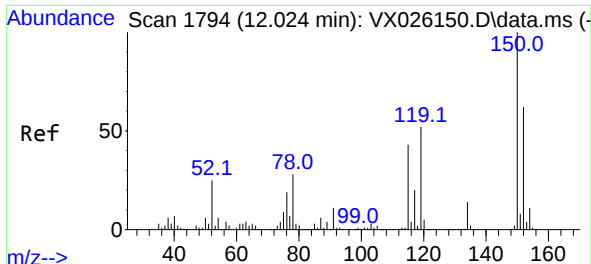
Tgt Ion:106 Resp: 2998357
Ion Ratio Lower Upper
106 100
91 194.2 158.6 238.0



#69
o-Xylene
Concen: 287.088 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

Tgt Ion:106 Resp: 1500539
Ion Ratio Lower Upper
106 100
91 214.2 105.5 316.4

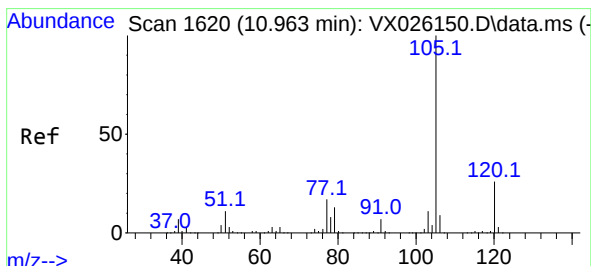
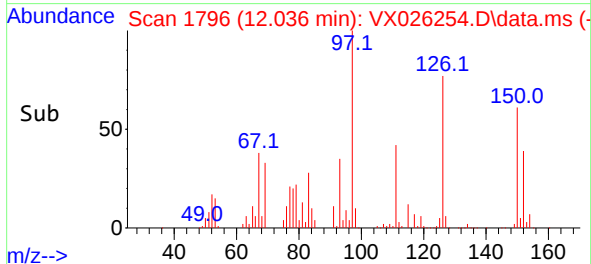
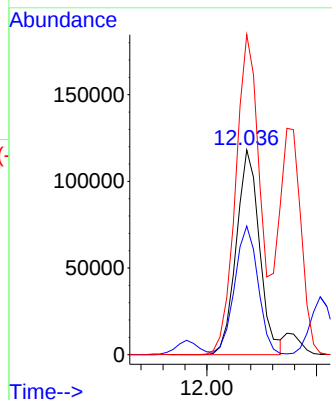
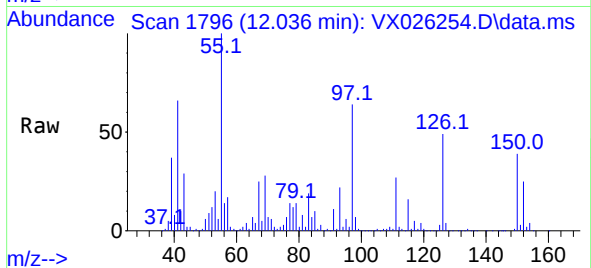




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.036 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

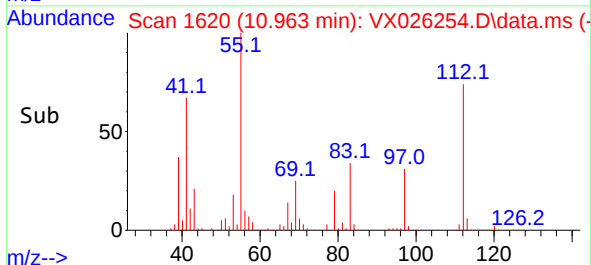
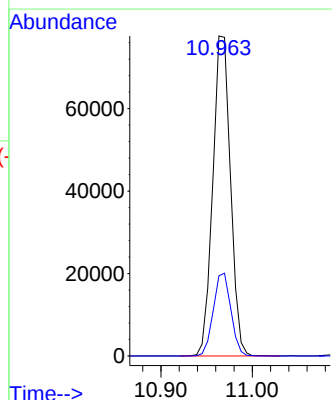
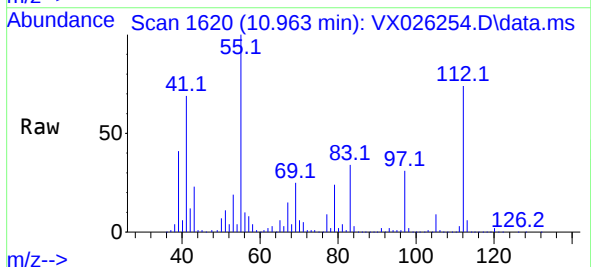
Instrument :
MSVOA_X
ClientSampleId :
40569

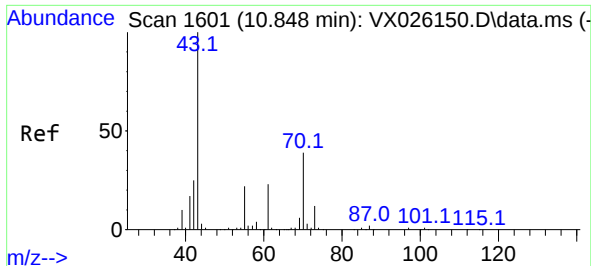
Tgt Ion:152 Resp: 174226
Ion Ratio Lower Upper
152 100
115 62.2 41.3 123.9
150 158.0 0.0 351.8



#73
Isopropylbenzene
Concen: 7.714 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

Tgt Ion:105 Resp: 104466
Ion Ratio Lower Upper
105 100
120 25.7 13.6 40.7

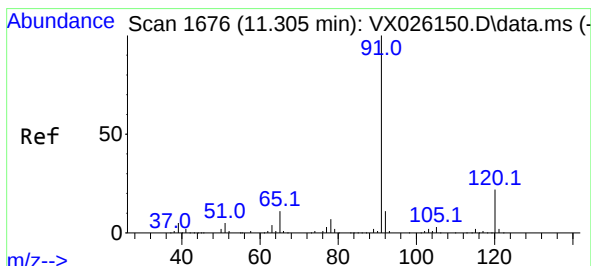
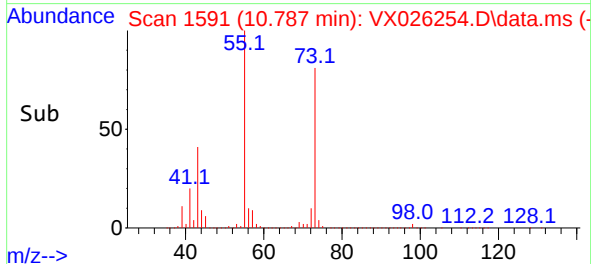
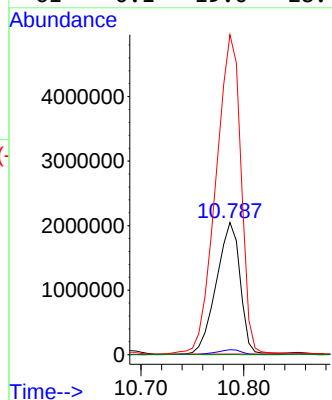
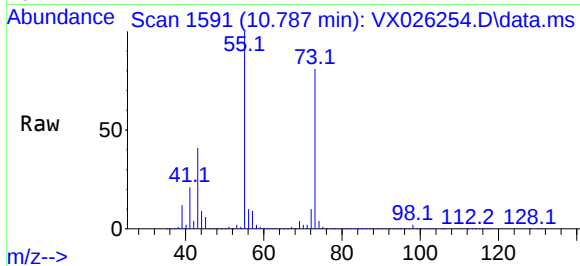




#74
N-amy1 acetate
Concen: 527.313 ug/l
RT: 10.787 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

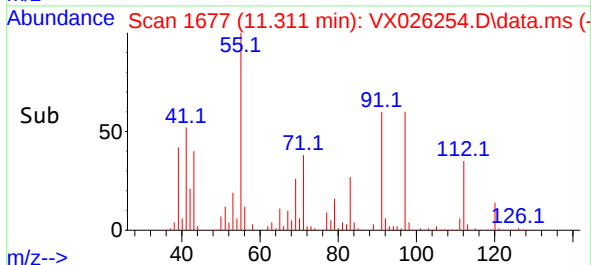
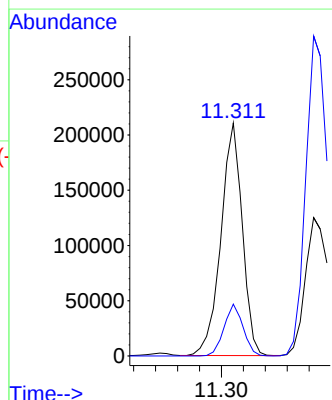
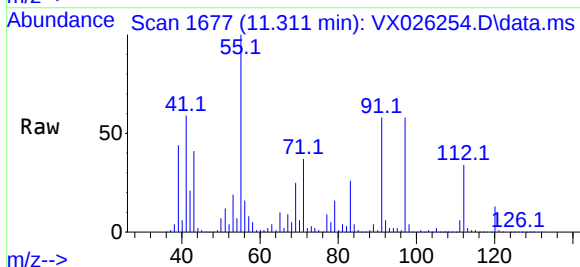
Instrument :
MSVOA_X
ClientSampleId :
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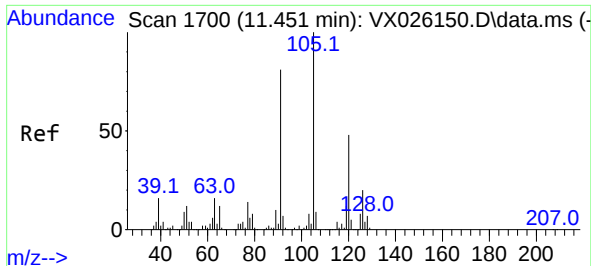
Tgt Ion: 43 Resp: 3279086
Ion Ratio Lower Upper
43 100
70 3.7 34.1 51.1#
55 258.1 19.2 28.8#
61 0.1 19.0 28.4#



#78
n-propylbenzene
Concen: 18.302 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

Tgt Ion: 91 Resp: 284974
Ion Ratio Lower Upper
91 100
120 19.8 12.0 36.1

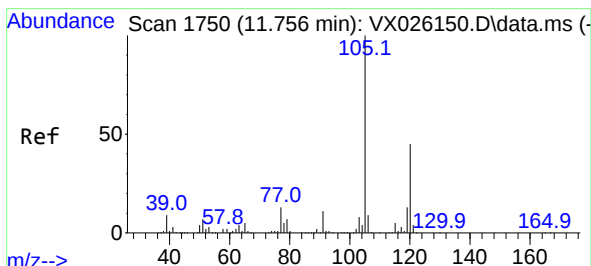
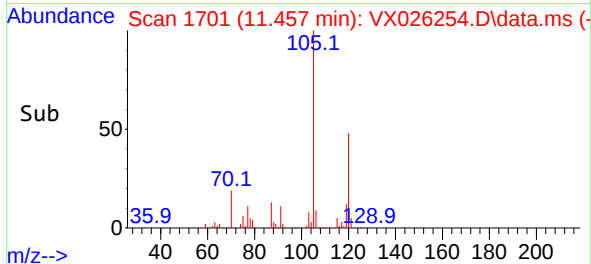
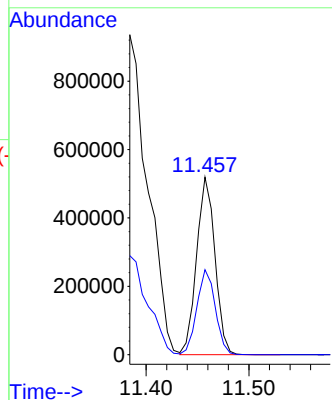
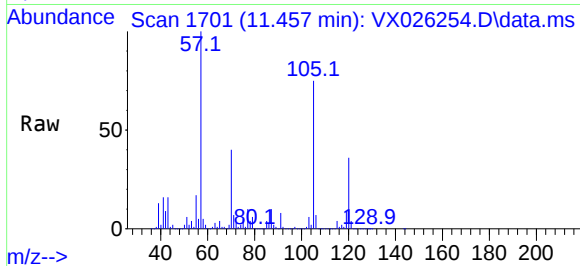




#80
1,3,5-Trimethylbenzene
Concen: 57.490 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

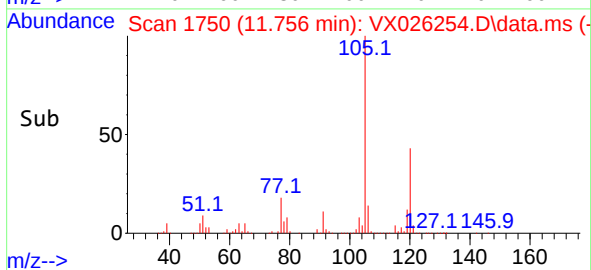
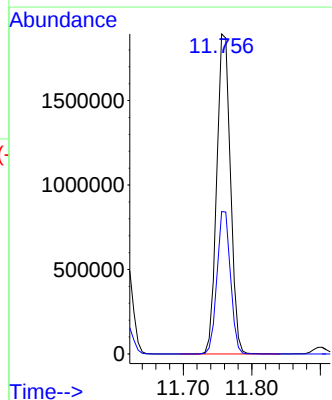
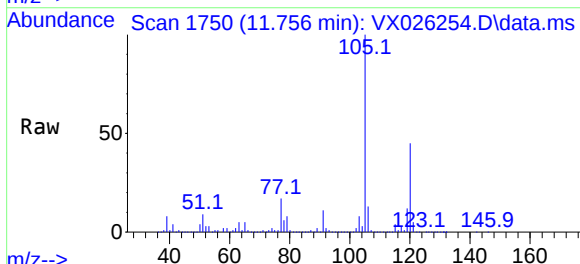
Instrument :
MSVOA_X
ClientSampleId :
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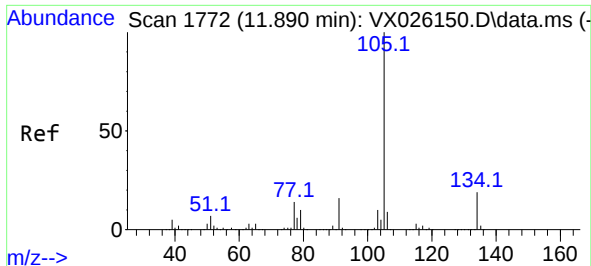
Tgt Ion:105 Resp: 646109
Ion Ratio Lower Upper
105 100
120 48.0 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 234.211 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX026254.D
Acq: 04 Jan 2022 05:06

Tgt Ion:105 Resp: 2630099
Ion Ratio Lower Upper
105 100
120 43.7 22.9 68.7

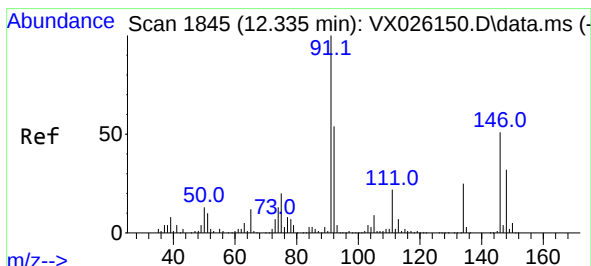
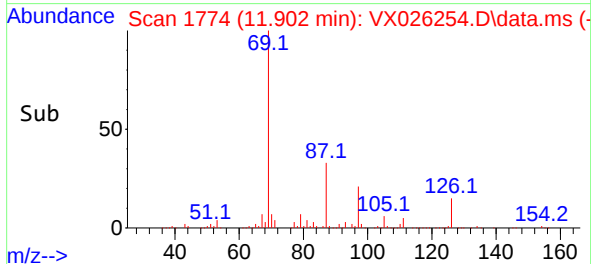
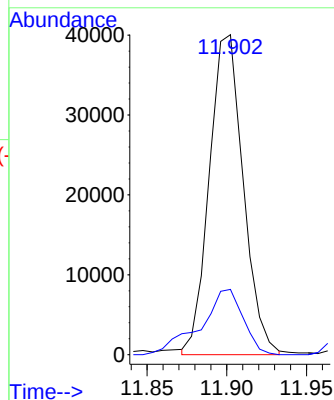
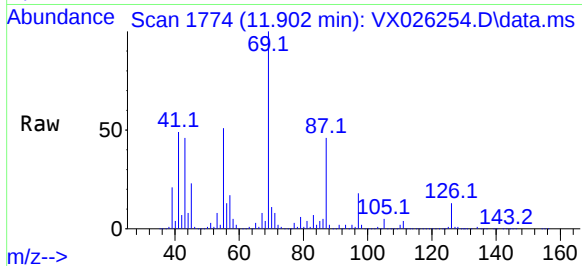




#85
 sec-Butylbenzene
 Concen: 4.357 ug/l m
 RT: 11.902 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX026254.D
 Acq: 04 Jan 2022 05:06

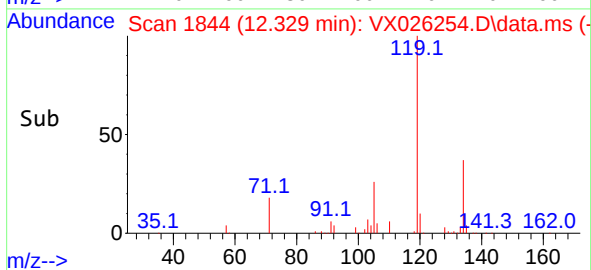
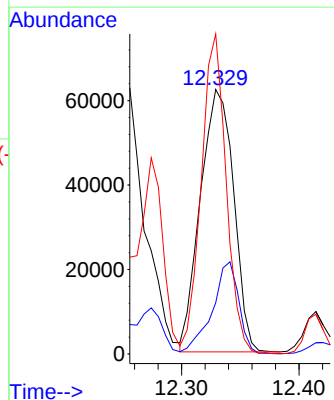
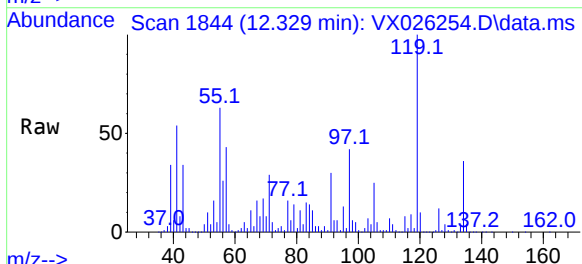
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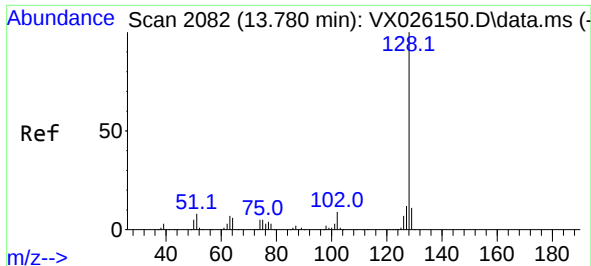
Tgt Ion:105 Resp: 59313
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#89
 n-Butylbenzene
 Concen: 12.137 ug/l
 RT: 12.329 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: VX026254.D
 Acq: 04 Jan 2022 05:06

Tgt Ion: 91 Resp: 122405
 Ion Ratio Lower Upper
 91 100
 92 28.0 27.3 81.8
 134 91.1 13.5 40.4#





#95

Naphthalene

Concen: 97.040 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX026254.D

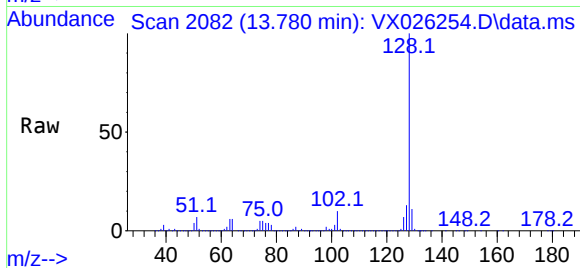
Acq: 04 Jan 2022 05:06

Instrument :

MSVOA_X

ClientSampleId :

40569



Tgt Ion:128 Resp: 1306686

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.1 8.8 13.2

