

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
 Data File : VX029570.D
 Acq On : 18 Jun 2022 15:26
 Operator : JC/MD
 Sample : N3325-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

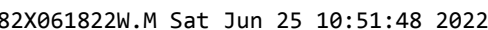
Quant Time: Jun 20 01:33:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

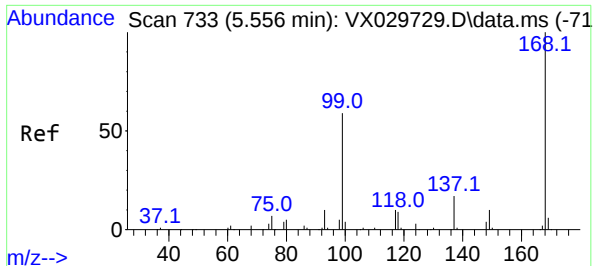
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	263790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	438140	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	382423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152374	43.637	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.280%
35) Dibromofluoromethane	5.391	113	132662	46.462	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.920%
50) Toluene-d8	8.653	98	499300	47.867	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.740%
62) 4-Bromofluorobenzene	11.079	95	181378	46.110	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	29586	30.766	ug/l	96
16) Acetone	2.380	43	10123	7.273	ug/l	95
17) Carbon Disulfide	2.532	76	44245	6.386	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	230272	24.819	ug/l #	84
22) Diisopropyl ether	3.764	45	4291	0.503	ug/l #	78
25) 2-Butanone	4.581	43	3254	1.479	ug/l #	81
29) Tetrahydrofuran	5.013	42	20537	14.007	ug/l	94
31) Cyclohexane	5.477	56	24516	5.230	ug/l	98
39) Methylcyclohexane	7.385	83	15639	3.246	ug/l #	79
40) Benzene	6.044	78	1580826	138.001	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	4151	1.046	ug/l	98
52) Toluene	8.720	92	156785	21.374	ug/l	99
67) Ethyl Benzene	10.195	91	281970	20.889	ug/l	98
68) m/p-Xylenes	10.305	106	105579	20.056	ug/l	99
69) o-Xylene	10.647	106	48853	9.393	ug/l	94
73) Isopropylbenzene	10.964	105	36699	2.839	ug/l	98
78) n-propylbenzene	11.305	91	87420	6.006	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	10752	0.988	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	123450	11.372	ug/l	100
85) sec-Butylbenzene	11.896	105	5647	0.429	ug/l	98
89) n-Butylbenzene	12.329	91	12101	1.302	ug/l #	42
95) Naphthalene	13.780	128	73480	6.077	ug/l	98

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

Quant Time: Jun 20 01:33:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 20 01:31:01 2022
Response via : Initial Calibration

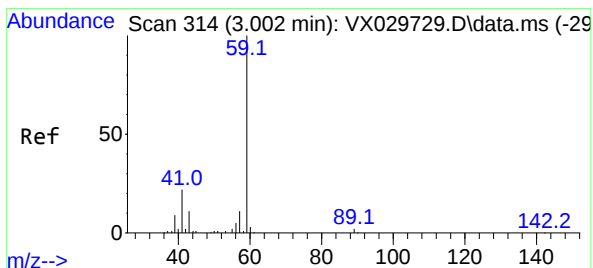
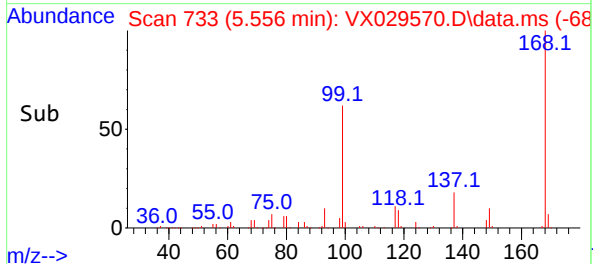
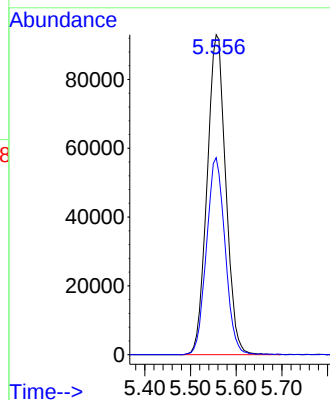
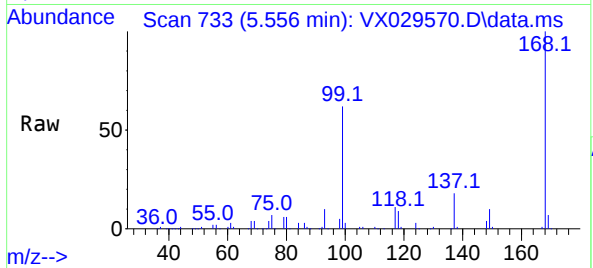




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

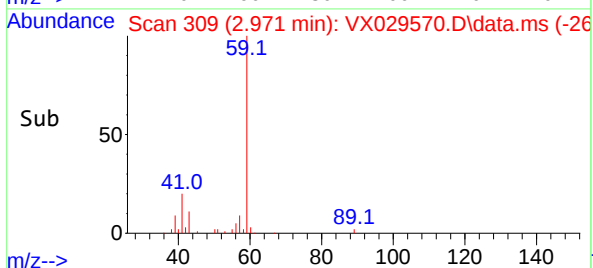
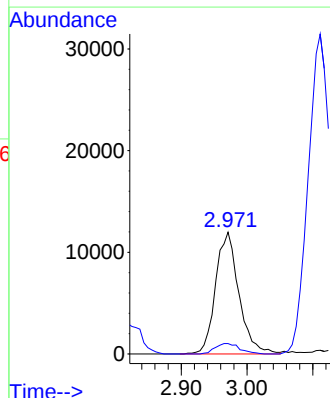
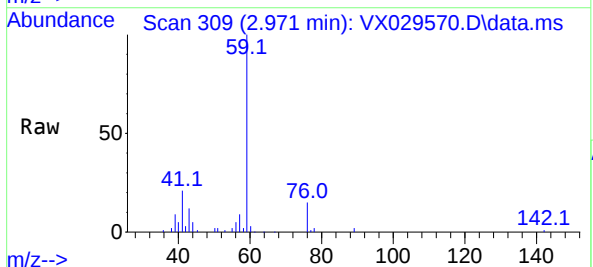
Instrument :
MSVOA_X
ClientSampleId :
MW-6

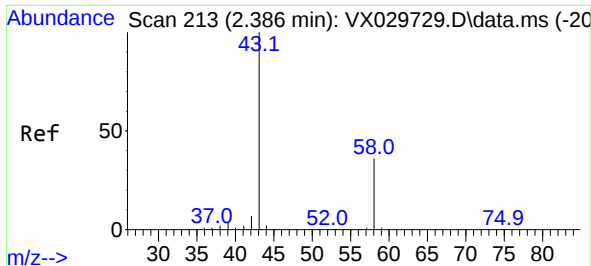
Tgt Ion:168 Resp: 263790
Ion Ratio Lower Upper
168 100
99 61.5 41.7 62.5



#11
Tert butyl alcohol
Concen: 30.766 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

Tgt Ion: 59 Resp: 29586
Ion Ratio Lower Upper
59 100
57 9.1 8.3 12.5





#16

Acetone

Concen: 7.273 ug/l

RT: 2.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX029570.D

Acq: 18 Jun 2022 15:26

Instrument :

MSVOA_X

ClientSampleId :

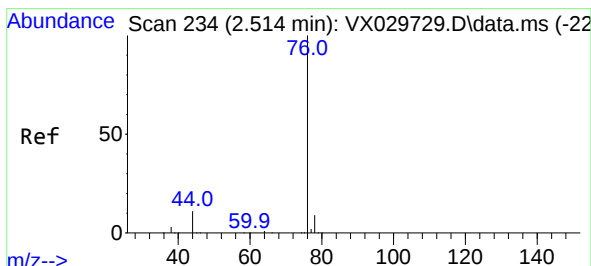
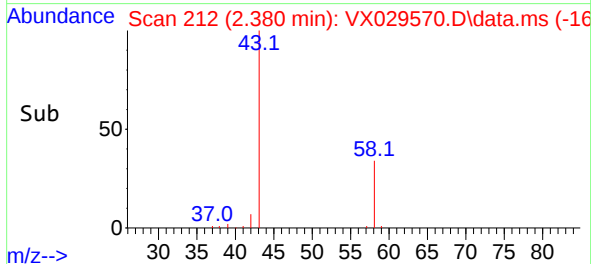
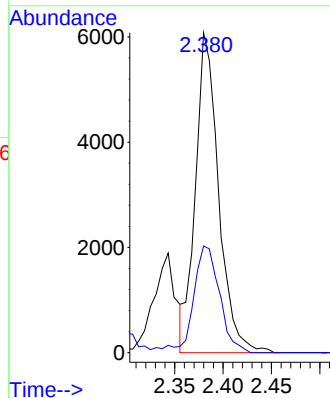
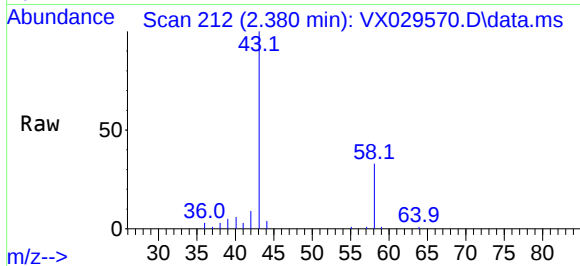
MW-6

Tgt Ion: 43 Resp: 10123

Ion Ratio Lower Upper

43 100

58 33.3 28.8 43.2



#17

Carbon Disulfide

Concen: 6.386 ug/l

RT: 2.532 min Scan# 237

Delta R.T. 0.018 min

Lab File: VX029570.D

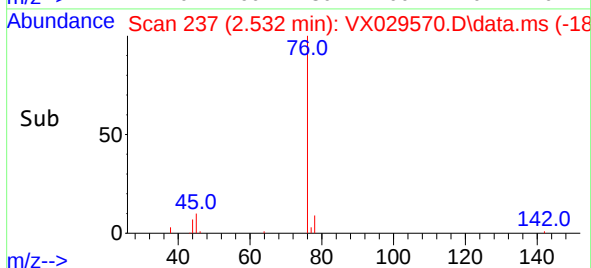
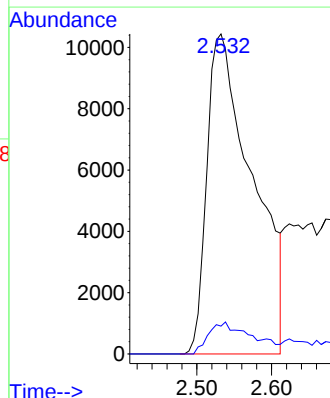
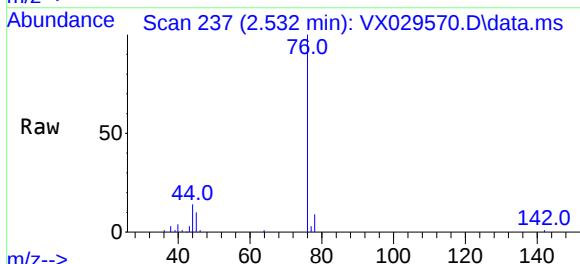
Acq: 18 Jun 2022 15:26

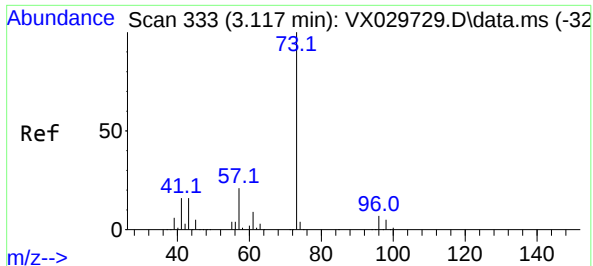
Tgt Ion: 76 Resp: 44245

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8

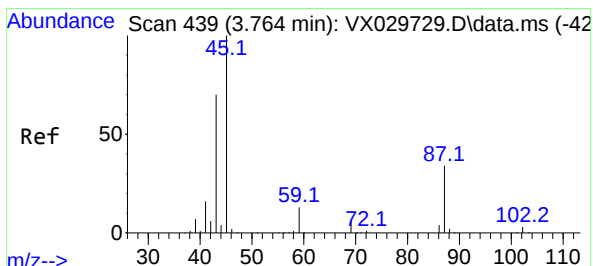
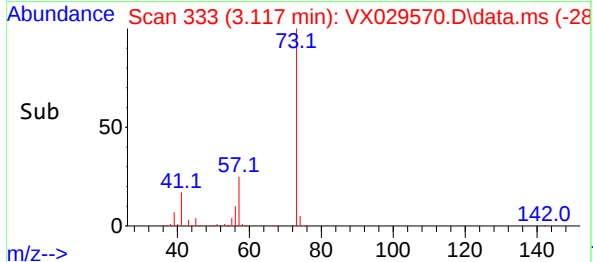
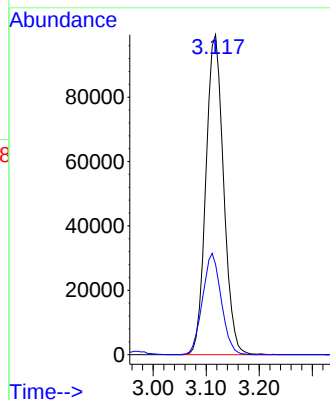
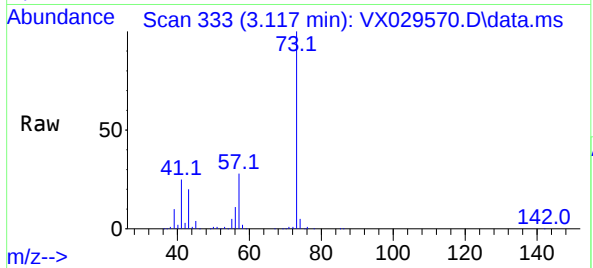




#19
Methyl tert-butyl Ether
Concen: 24.819 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

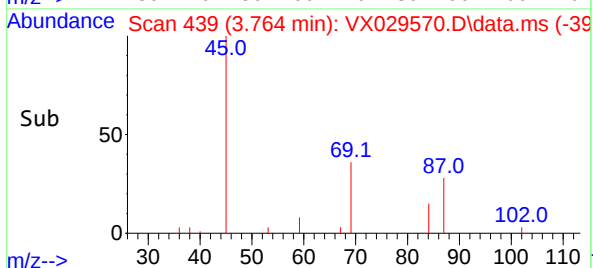
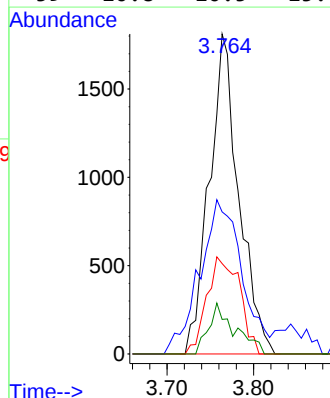
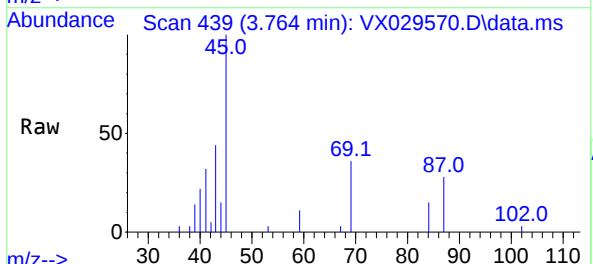
Instrument :
MSVOA_X
ClientSampleId :
MW-6

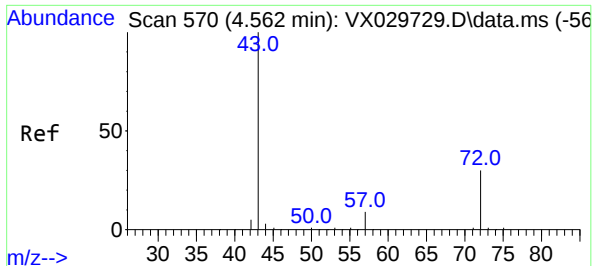
Tgt Ion: 73 Resp: 230272
Ion Ratio Lower Upper
73 100
57 28.3 16.8 25.2#



#22
Diisopropyl ether
Concen: 0.503 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.001 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

Tgt Ion: 45 Resp: 4291
Ion Ratio Lower Upper
45 100
43 38.3 50.8 76.2#
87 28.3 26.6 39.8
59 10.8 10.5 15.7





#25

2-Butanone

Concen: 1.479 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.019 min

Lab File: VX029570.D

Acq: 18 Jun 2022 15:26

Instrument :

MSVOA_X

ClientSampleId :

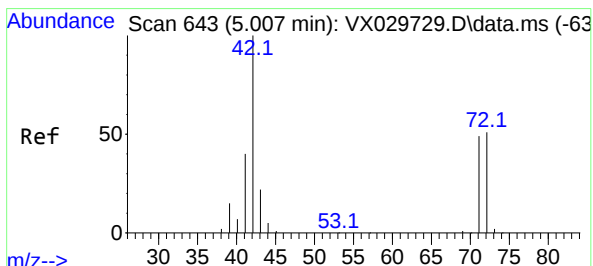
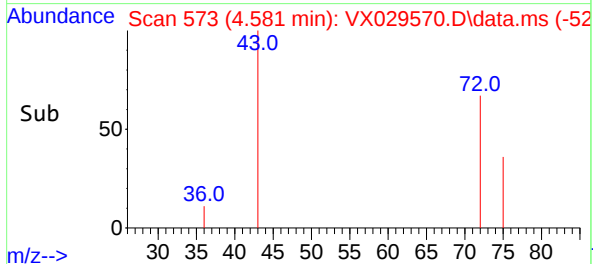
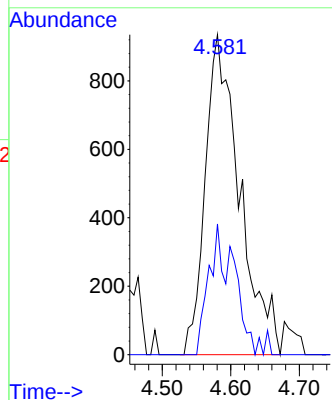
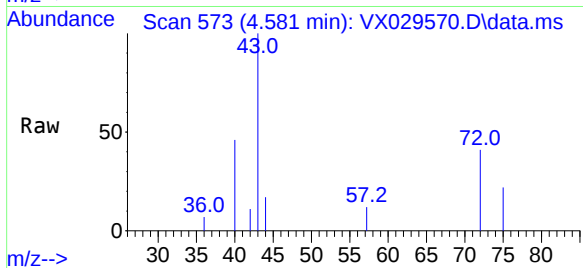
MW-6

Tgt Ion: 43 Resp: 3254

Ion Ratio Lower Upper

43 100

72 40.9 24.4 36.6#



#29

Tetrahydrofuran

Concen: 14.007 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX029570.D

Acq: 18 Jun 2022 15:26

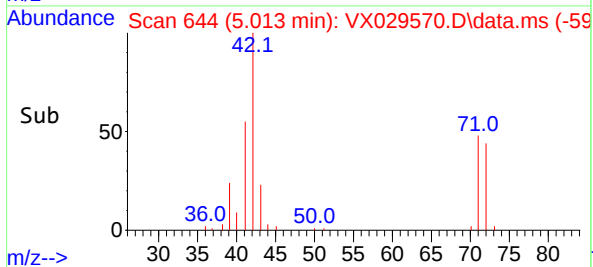
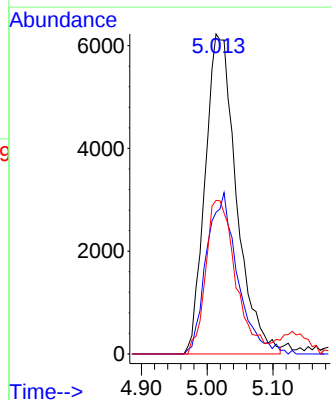
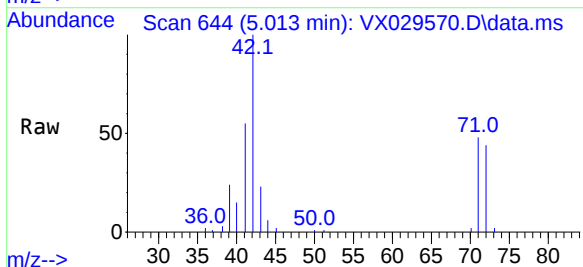
Tgt Ion: 42 Resp: 20537

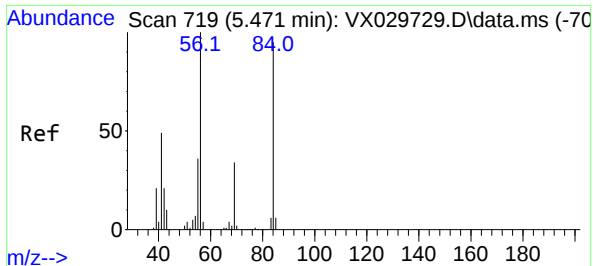
Ion Ratio Lower Upper

42 100

72 50.2 44.1 66.1

71 46.3 40.5 60.7

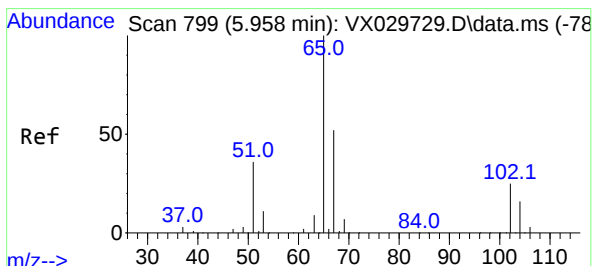
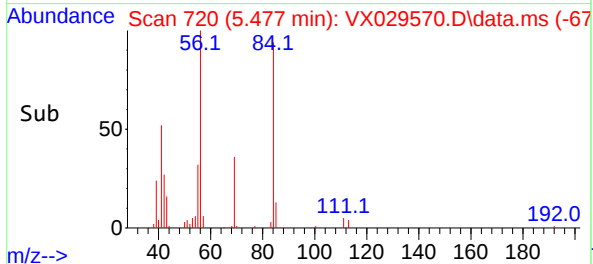
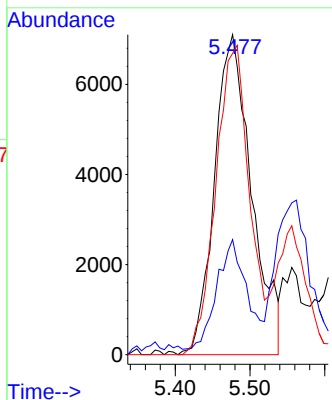
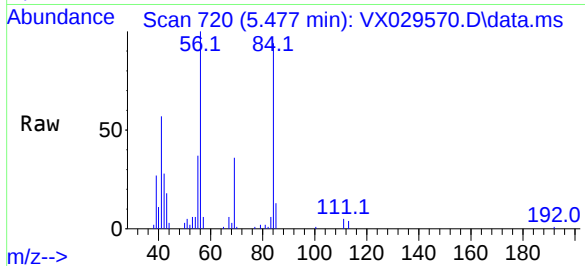




#31
Cyclohexane
Concen: 5.230 ug/l
RT: 5.477 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

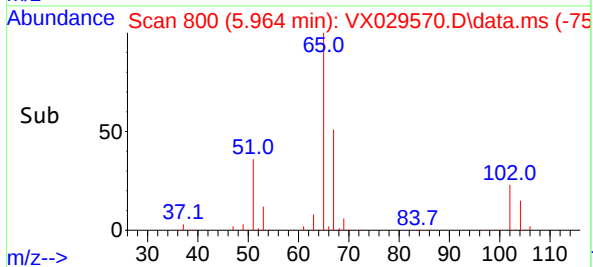
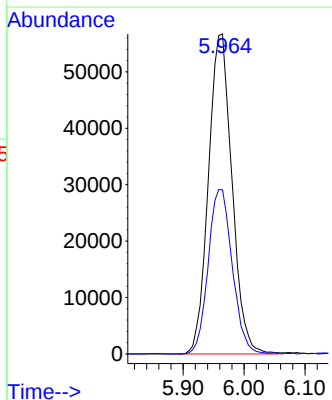
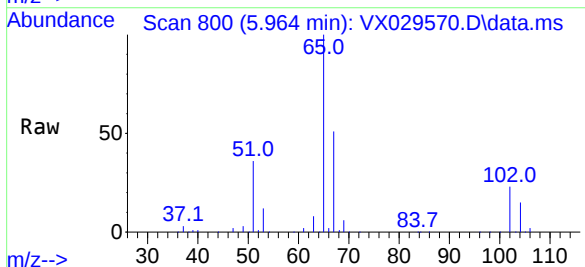
Instrument :
MSVOA_X
ClientSampleId :
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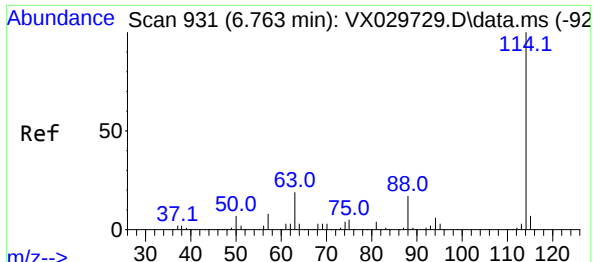
Tgt Ion: 56 Resp: 24516
Ion Ratio Lower Upper
56 100
69 33.3 26.7 40.1
84 94.2 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 43.637 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

Tgt Ion: 65 Resp: 152374
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4

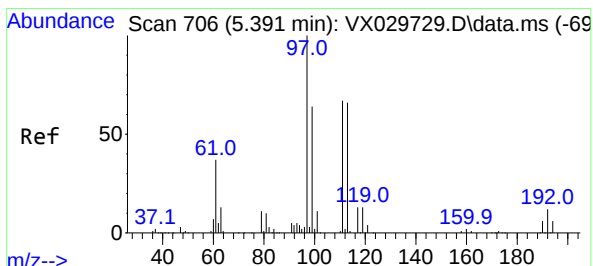
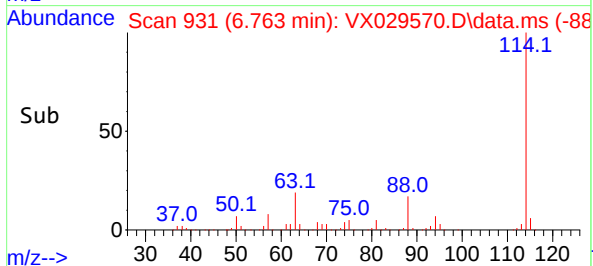
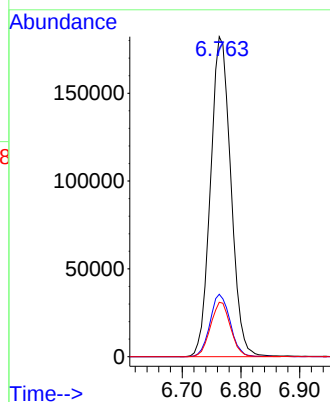
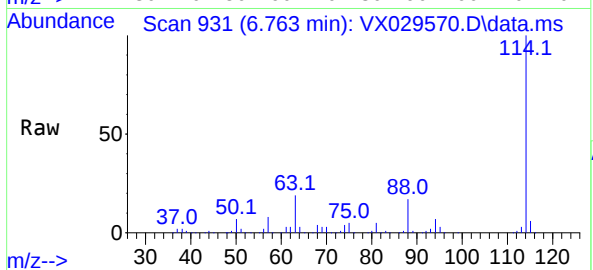




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

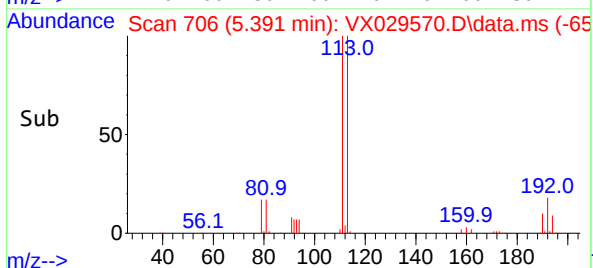
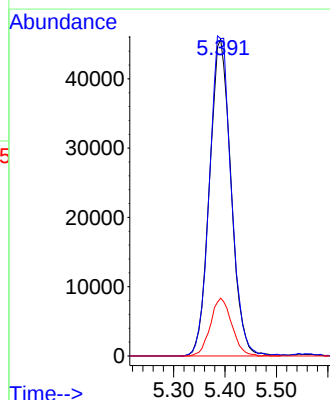
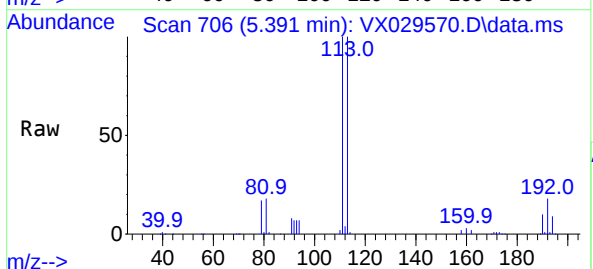
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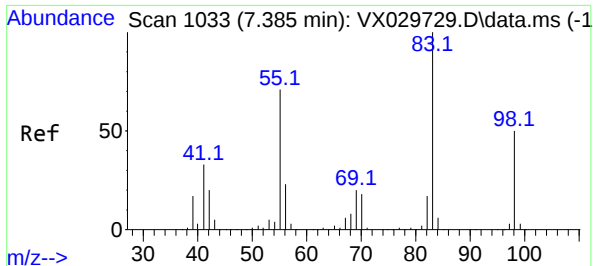
Tgt Ion:114 Resp: 438140
Ion Ratio Lower Upper
114 100
63 19.5 0.0 36.8
88 17.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.462 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

Tgt Ion:113 Resp: 132662
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 18.2 16.9 25.3





#39

Methylcyclohexane

Concen: 3.246 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX029570.D

Acq: 18 Jun 2022 15:26

Instrument :

MSVOA_X

ClientSampleId :

MW-6

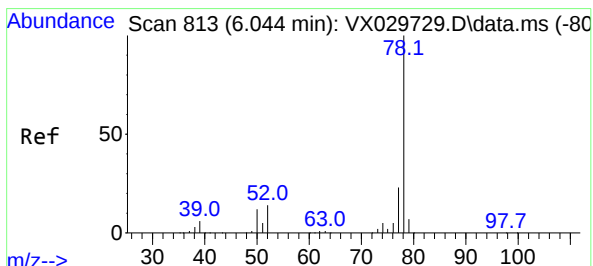
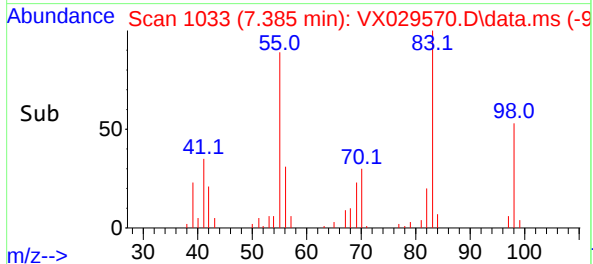
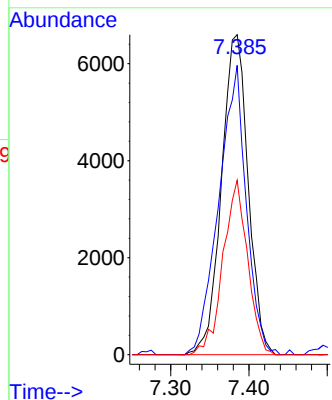
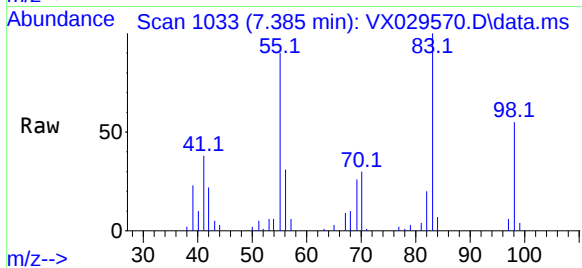
Tgt Ion: 83 Resp: 15639

Ion Ratio Lower Upper

83 100

55 90.4 54.6 81.8#

98 54.5 37.4 56.2



#40

Benzene

Concen: 138.001 ug/l

RT: 6.044 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX029570.D

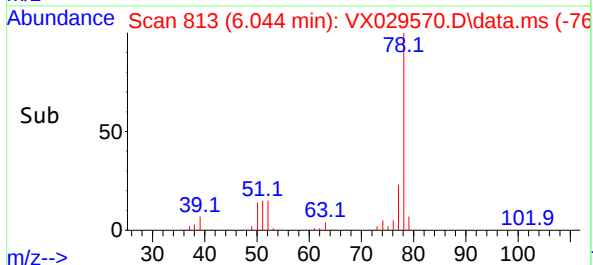
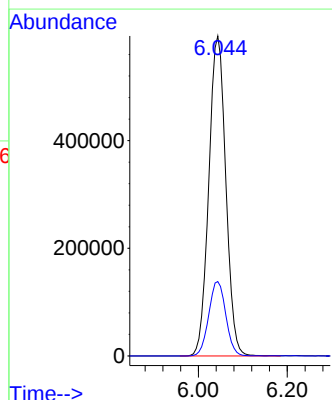
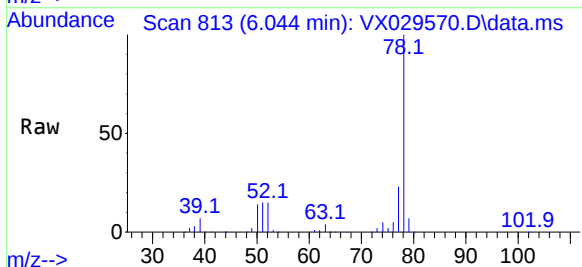
Acq: 18 Jun 2022 15:26

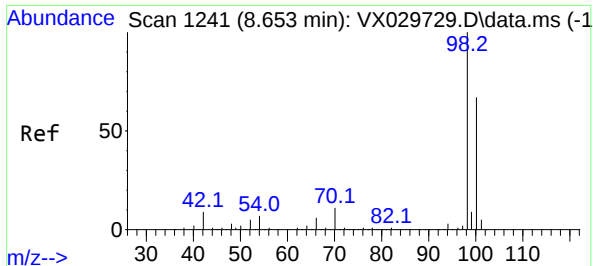
Tgt Ion: 78 Resp: 1580826

Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9

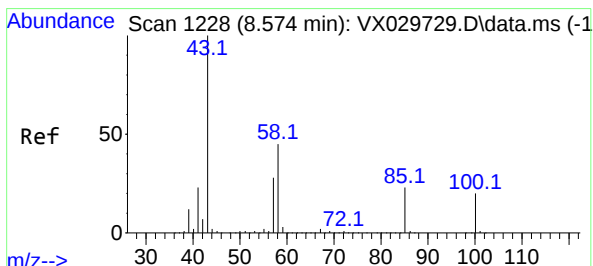
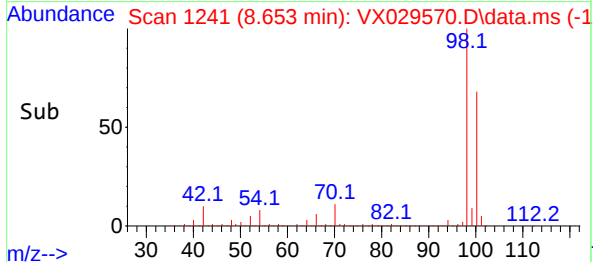
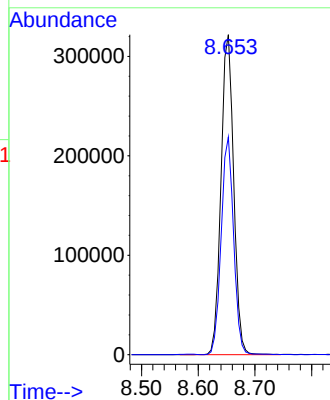
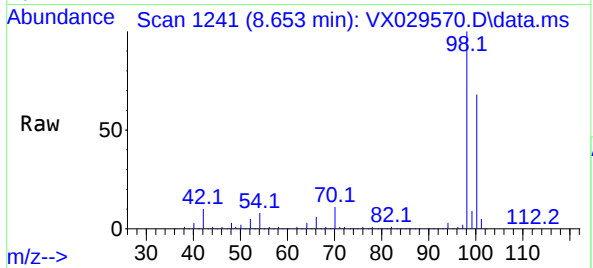




#50
Toluene-d8
Concen: 47.867 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

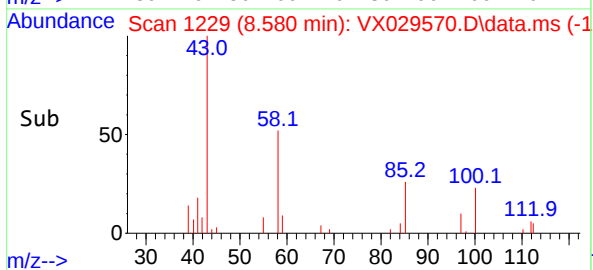
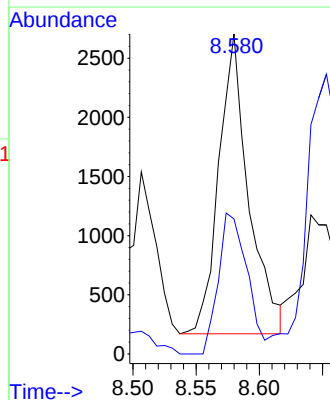
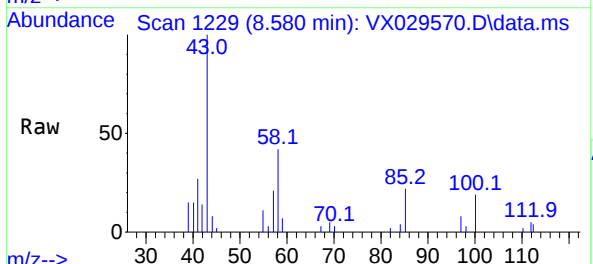
Instrument :
MSVOA_X
ClientSampleId :
MW-6

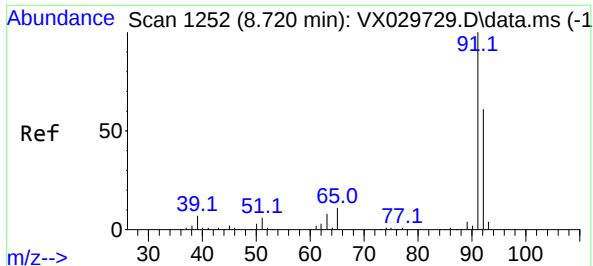
Tgt Ion: 98 Resp: 499300
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.046 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

Tgt Ion: 43 Resp: 4151
Ion Ratio Lower Upper
43 100
58 46.7 36.1 54.1

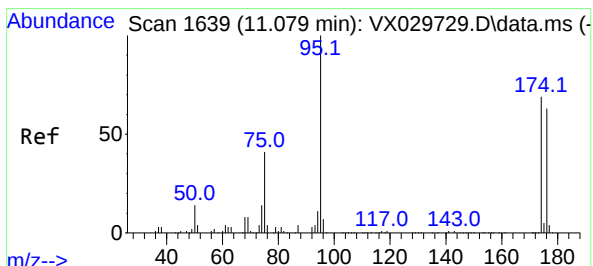
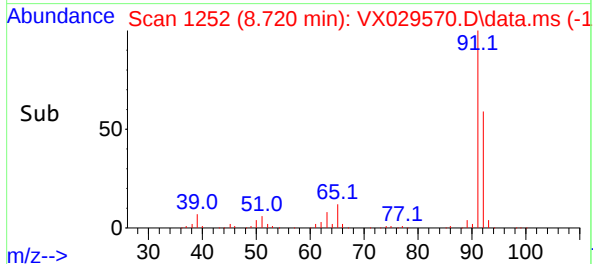
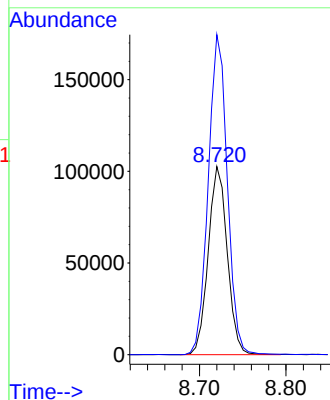
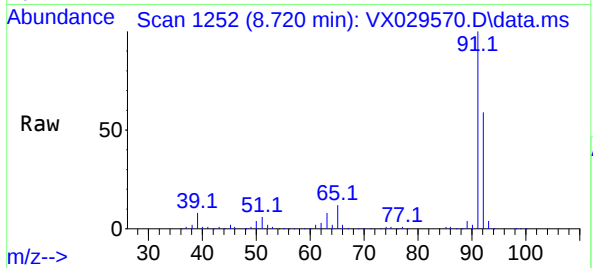




#52
Toluene
Concen: 21.374 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

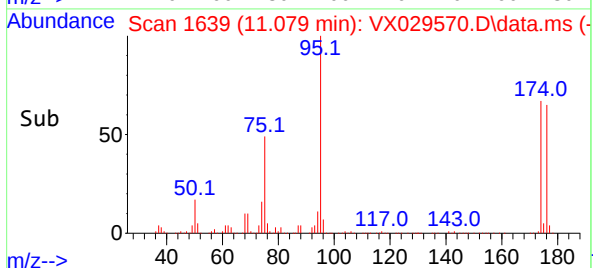
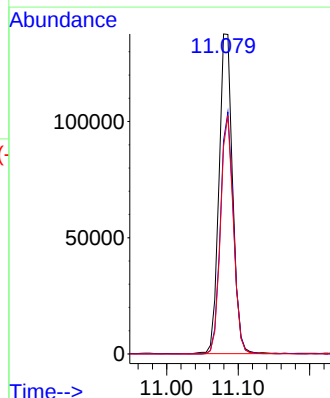
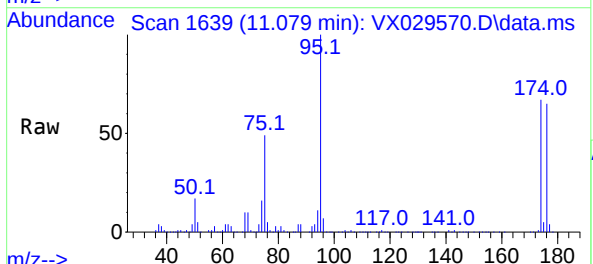
Instrument :
MSVOA_X
ClientSampleId :
MW-6

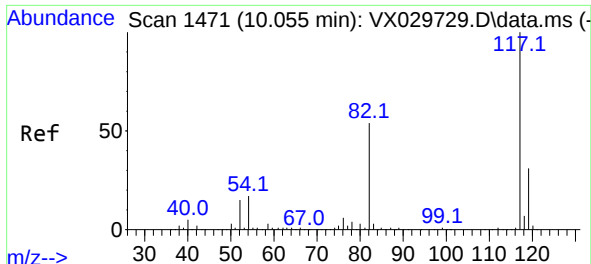
Tgt Ion: 92 Resp: 156785
Ion Ratio Lower Upper
92 100
91 170.3 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 46.110 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

Tgt Ion: 95 Resp: 181378
Ion Ratio Lower Upper
95 100
174 72.9 0.0 163.0
176 70.6 0.0 155.0

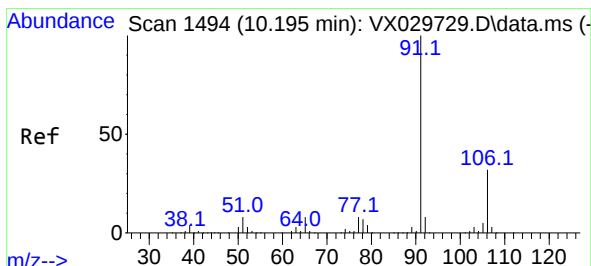
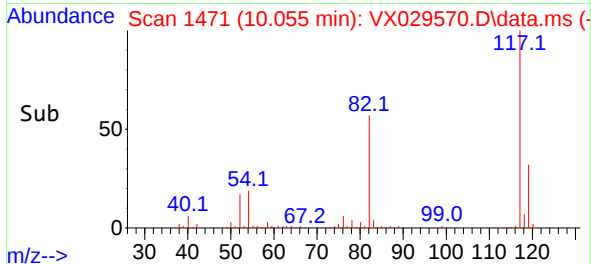
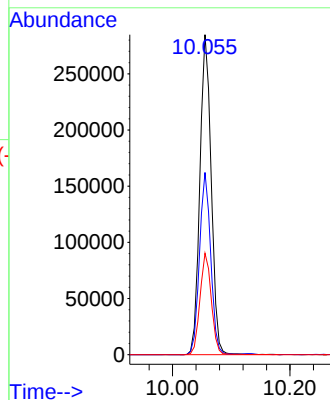
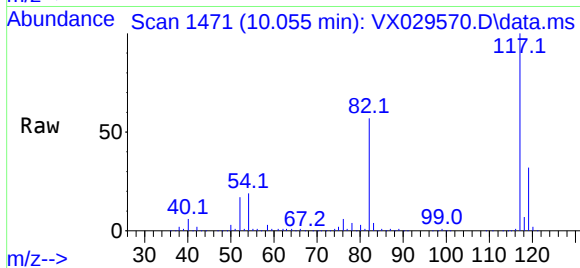




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

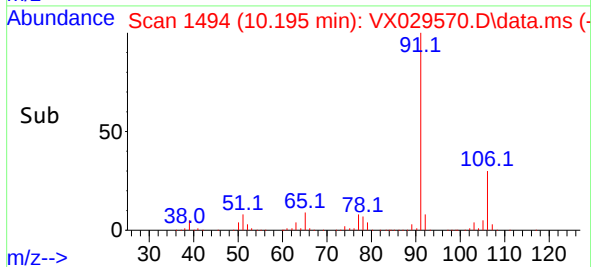
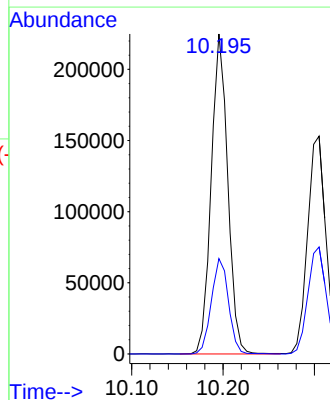
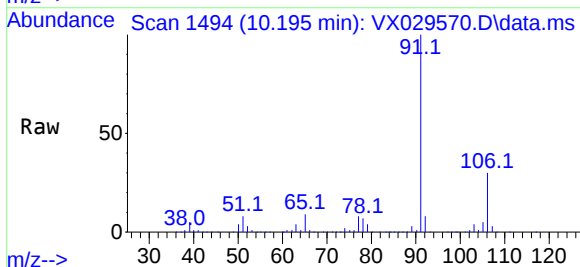
Instrument :
MSVOA_X
ClientSampleId :
MW-6

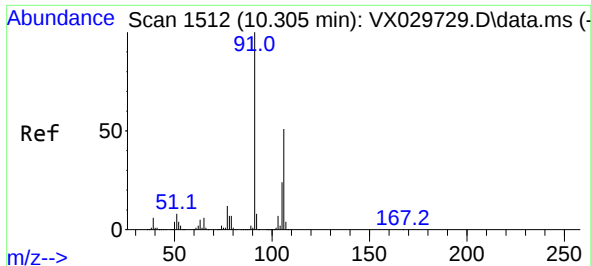
Tgt Ion:117 Resp: 382423
Ion Ratio Lower Upper
117 100
82 56.9 41.8 62.8
119 31.7 24.8 37.2



#67
Ethyl Benzene
Concen: 20.889 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

Tgt Ion: 91 Resp: 281970
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8

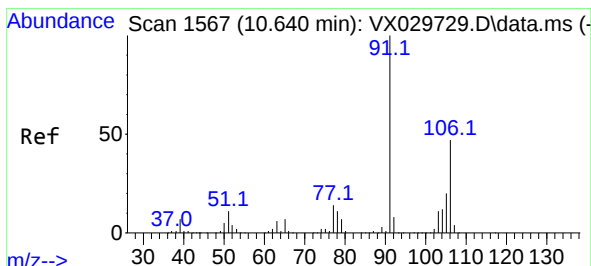
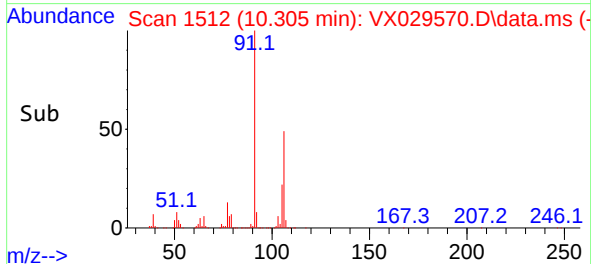
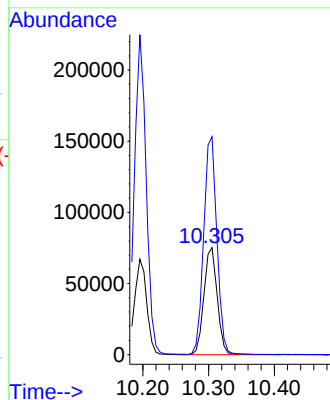
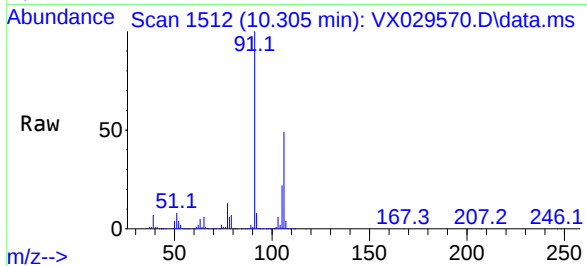




#68
m/p-Xylenes
Concen: 20.056 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

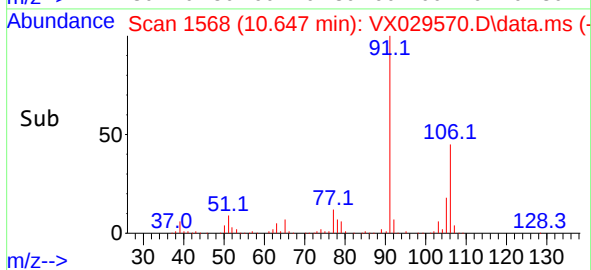
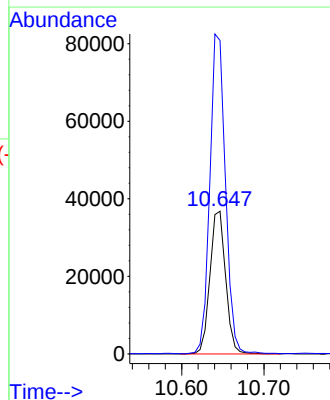
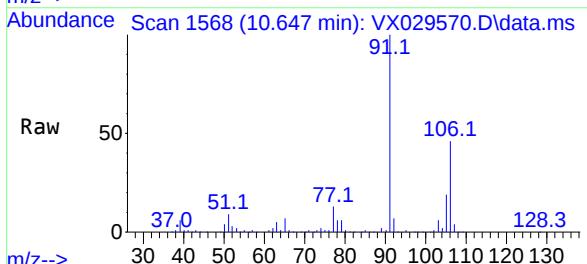
Instrument :
MSVOA_X
ClientSampleId :
MW-6

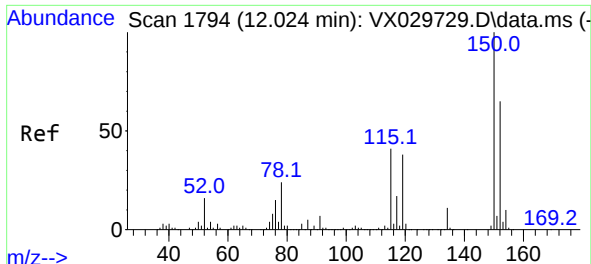
Tgt Ion:106 Resp: 105579
Ion Ratio Lower Upper
106 100
91 202.6 160.4 240.6



#69
o-Xylene
Concen: 9.393 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

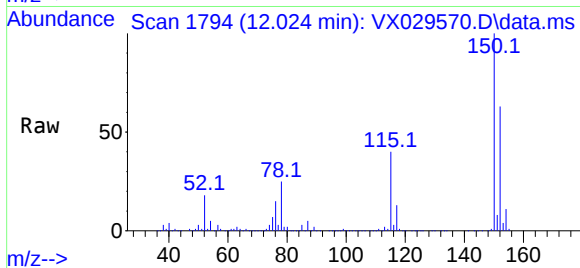
Tgt Ion:106 Resp: 48853
Ion Ratio Lower Upper
106 100
91 222.3 106.1 318.1



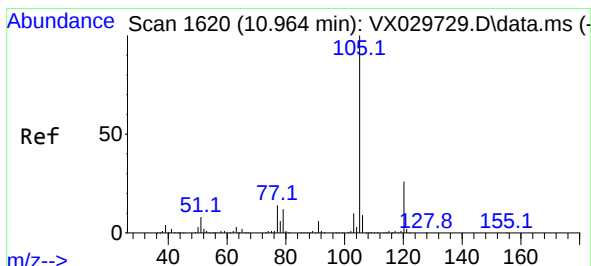
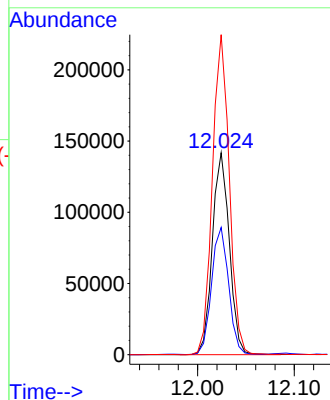
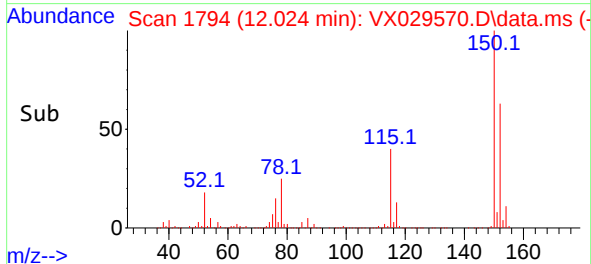


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

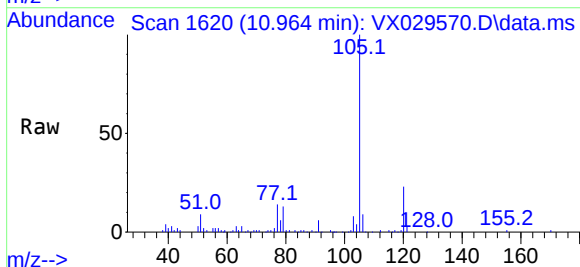
Instrument :
MSVOA_X
ClientSampleId :
MW-6



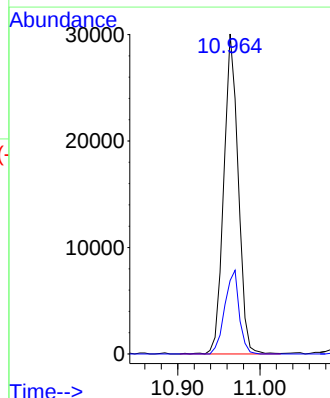
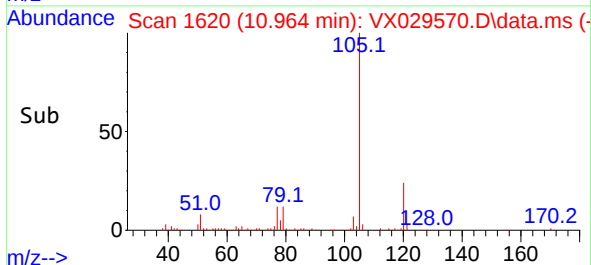
Tgt Ion:152 Resp: 172377
Ion Ratio Lower Upper
152 100
115 63.2 37.5 112.7
150 158.1 0.0 338.2

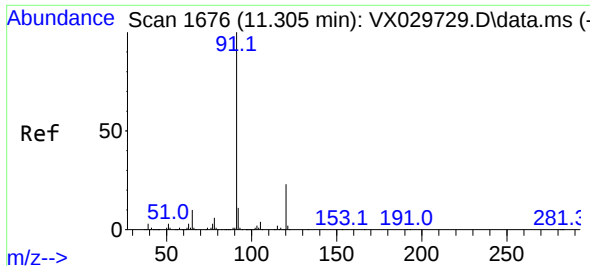


#73
Isopropylbenzene
Concen: 2.839 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26



Tgt Ion:105 Resp: 36699
Ion Ratio Lower Upper
105 100
120 26.0 13.5 40.5

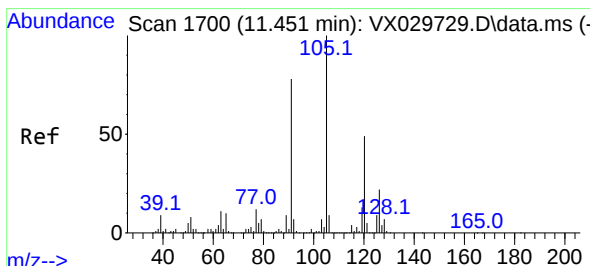
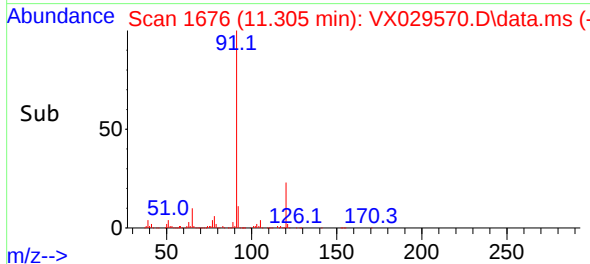
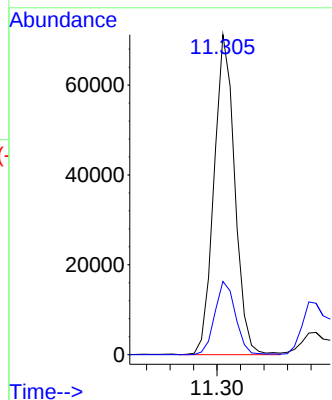
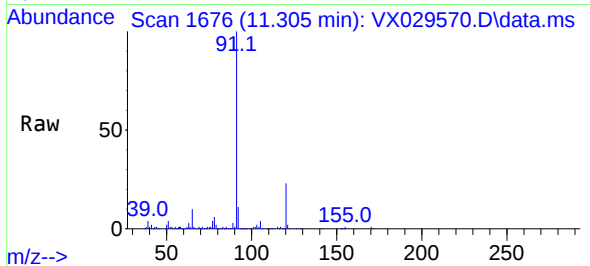




#78
n-propylbenzene
Concen: 6.006 ug/l
RT: 11.305 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

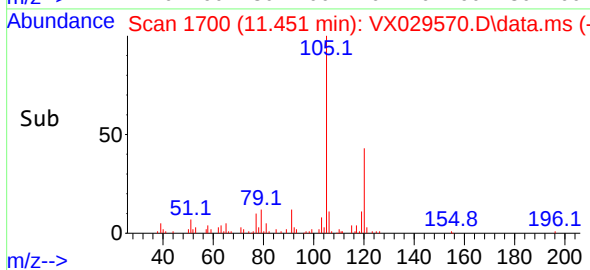
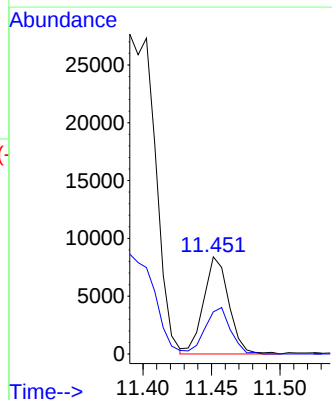
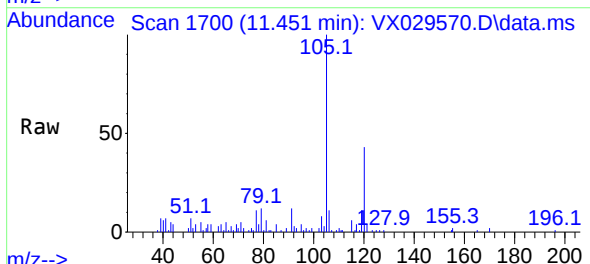
Instrument :
MSVOA_X
ClientSampleId :
MW-6

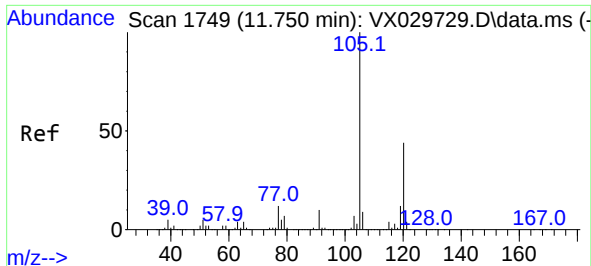
Tgt Ion: 91 Resp: 87420
Ion Ratio Lower Upper
91 100
120 22.9 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 0.988 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

Tgt Ion: 105 Resp: 10752
Ion Ratio Lower Upper
105 100
120 47.1 24.3 72.9

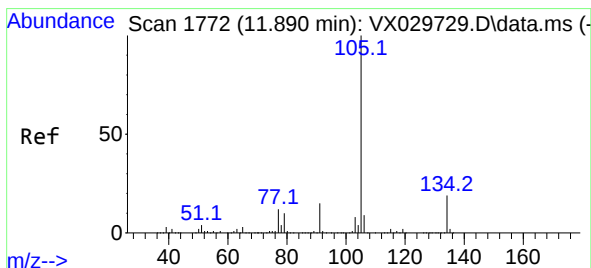
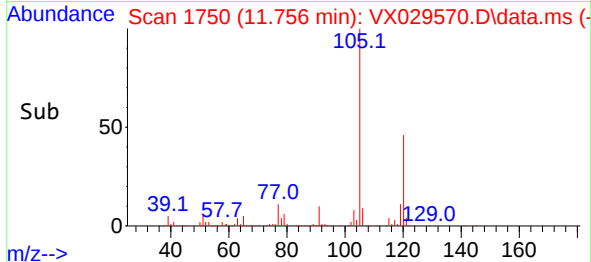
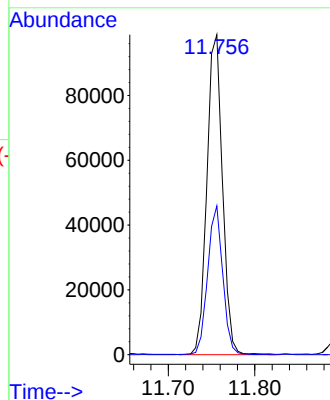
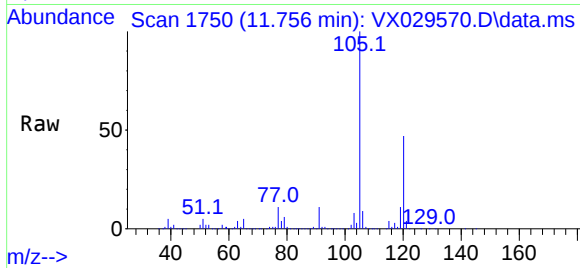




#84
1,2,4-Trimethylbenzene
Concen: 11.372 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

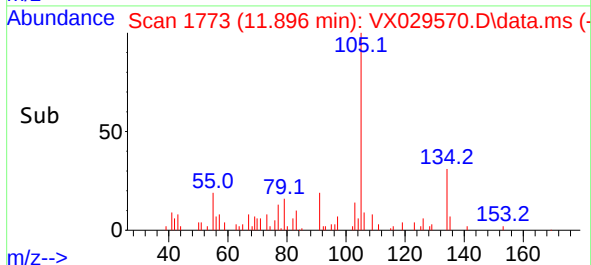
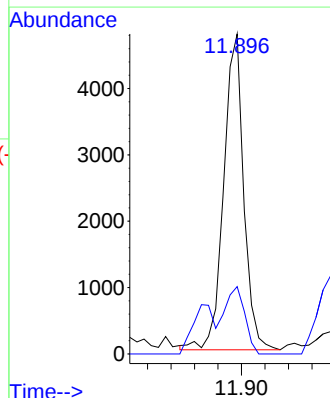
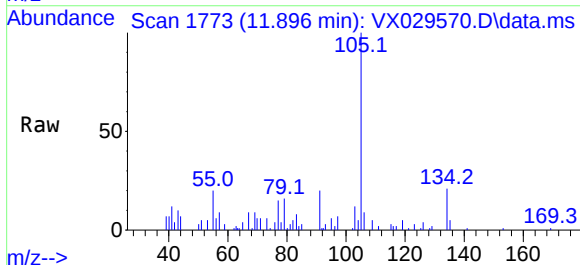
Instrument :
MSVOA_X
ClientSampleId :
MW-6

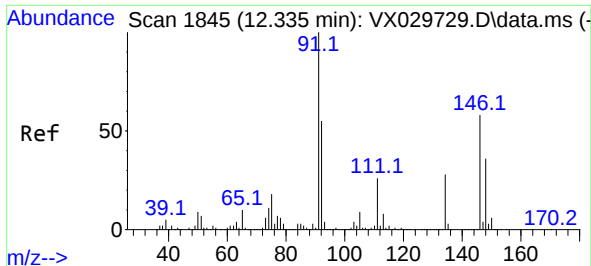
Tgt Ion:105 Resp: 123450
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.8



#85
sec-Butylbenzene
Concen: 0.429 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VX029570.D
Acq: 18 Jun 2022 15:26

Tgt Ion:105 Resp: 5647
Ion Ratio Lower Upper
105 100
134 21.4 10.2 30.4





#89

n-Butylbenzene

Concen: 1.302 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX029570.D

Acq: 18 Jun 2022 15:26

Instrument :

MSVOA_X

ClientSampleId :

MW-6

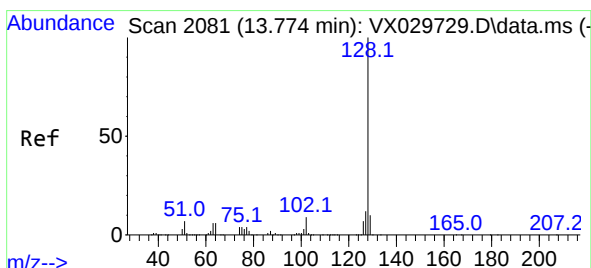
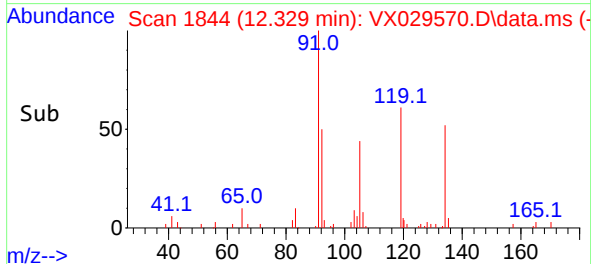
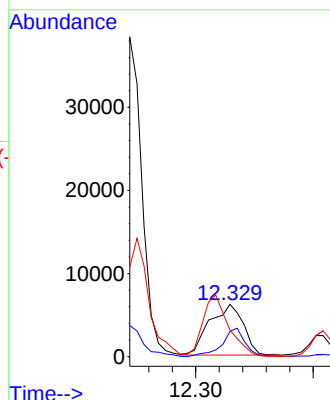
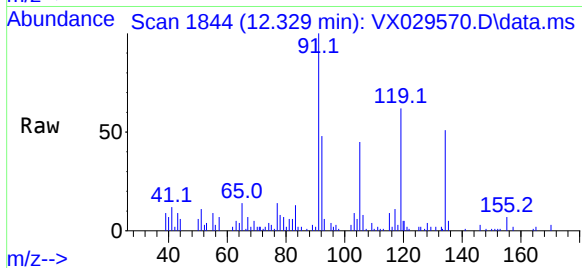
Tgt Ion: 91 Resp: 12101

Ion Ratio Lower Upper

91 100

92 39.0 27.8 83.3

134 94.4 13.3 39.8#



#95

Naphthalene

Concen: 6.077 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX029570.D

Acq: 18 Jun 2022 15:26

Tgt Ion:128 Resp: 73480

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 11.5 8.7 13.1

