

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048700.D
 Acq On : 27 May 2022 17:49
 Operator : SY/MD
 Sample : N3064-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FIELD-BLANK

Quant Time: May 28 00:22:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

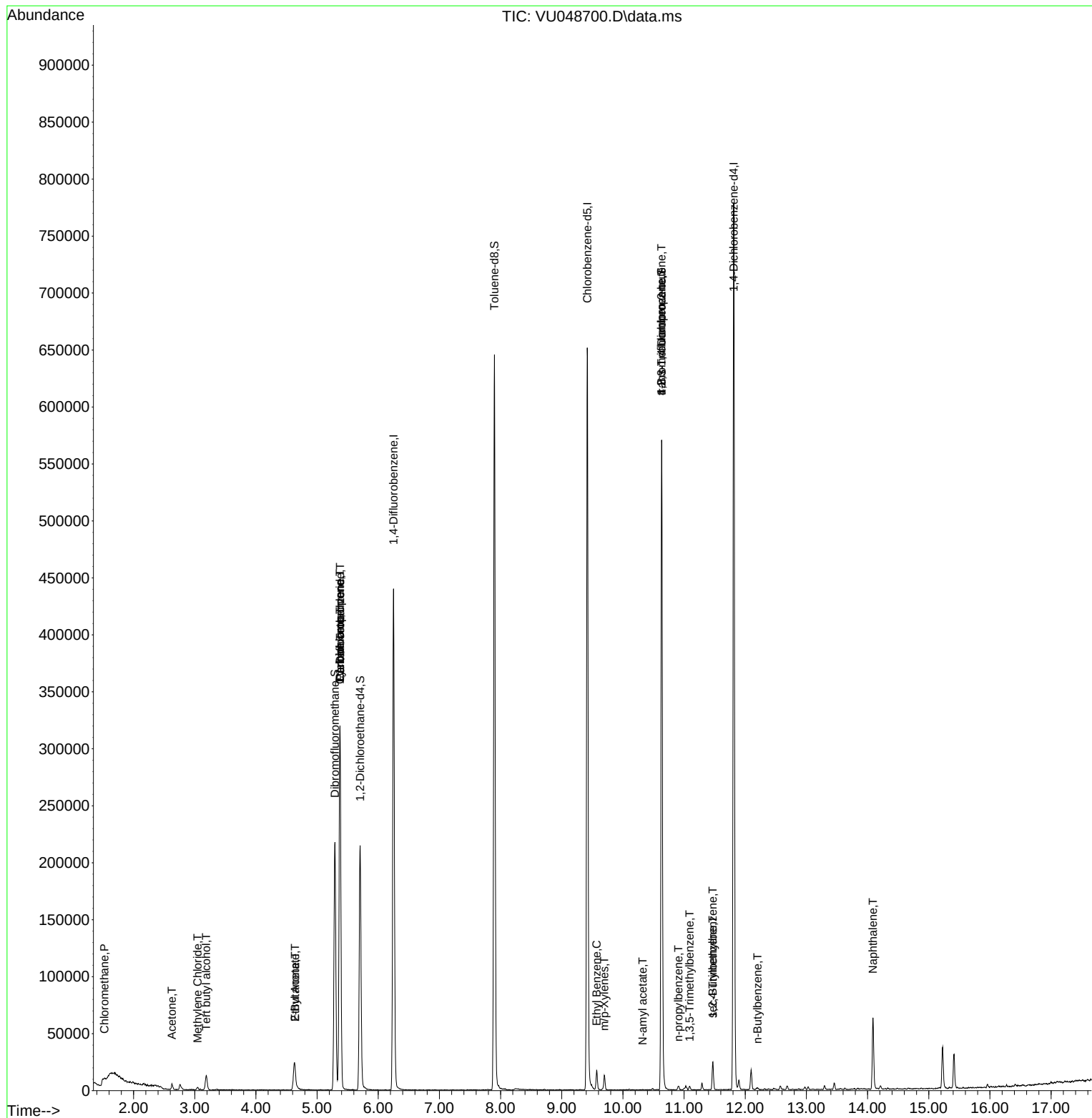
Internal Standards						
1) Pentafluorobenzene	5.375	168	218740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	355276	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	368928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	207731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	167705	51.051	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.100%
35) Dibromofluoromethane	5.292	113	143698	56.694	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.380%
50) Toluene-d8	7.899	98	429609	47.284	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.560%
62) 4-Bromofluorobenzene	10.632	95	193042	56.180	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.360%
Target Compounds						
						Qvalue
3) Chloromethane	1.523	50	825	0.256	ug/l	95
5) Bromomethane	1.848	94	39	Below Cal	#	3
6) Chloroethane	1.986	64	253	Below Cal		92
11) Tert butyl alcohol	3.189	59	8245	9.900	ug/l #	28
13) Acrolein	2.282	56	20	Below Cal	#	14
16) Acetone	2.626	43	5597	3.343	ug/l	97
20) Methylene Chloride	3.044	84	1170	0.411	ug/l #	73
25) 2-Butanone	4.639	43	1333	0.554	ug/l #	49
31) Cyclohexane	5.372	56	4265	1.030	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	17790	4.809	ug/l #	49
37) Ethyl Acetate	4.639	43	1333	0.285	ug/l #	6
38) Carbon Tetrachloride	5.375	117	23432	5.521	ug/l #	17
67) Ethyl Benzene	9.571	91	11871	0.902	ug/l	92
68) m/p-Xylenes	9.696	106	3624	0.704	ug/l	89
74) N-amyl acetate	10.323	43	59	2.475	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	101333	15.129	ug/l #	47
78) n-propylbenzene	10.909	91	3258	0.204	ug/l	91
80) 1,3,5-Trimethylbenzene	11.092	105	2460	0.211	ug/l	86
81) trans-1,4-Dichloro-2-b...	10.632	75	101333	54.933	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	13274	2.218	ug/l	89
85) sec-Butylbenzene	11.468	105	13274	0.948	ug/l #	58
89) n-Butylbenzene	12.201	91	334	2.212	ug/l #	57
95) Naphthalene	14.089	128	53777	5.655	ug/l	99

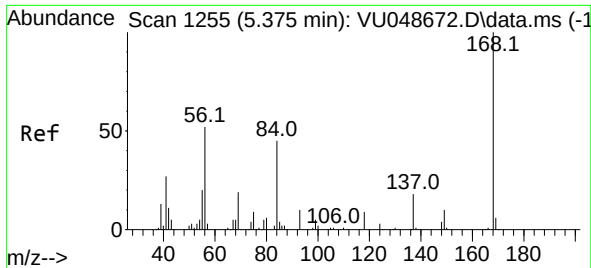
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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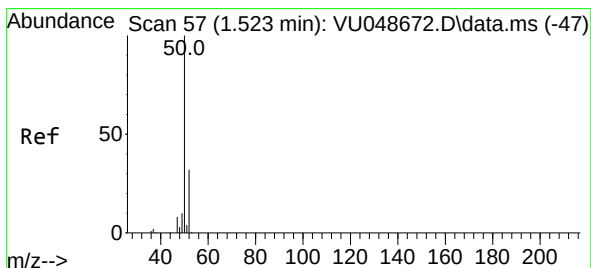
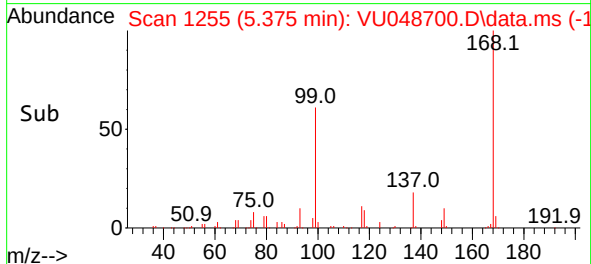
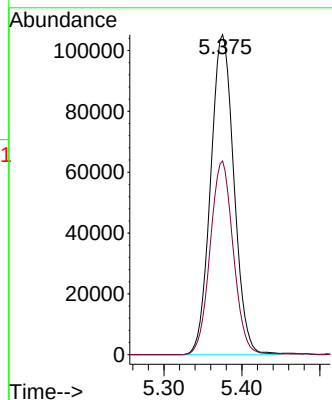
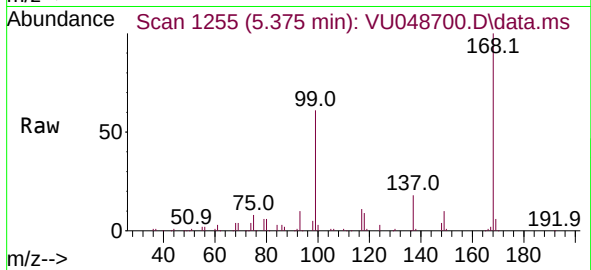




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

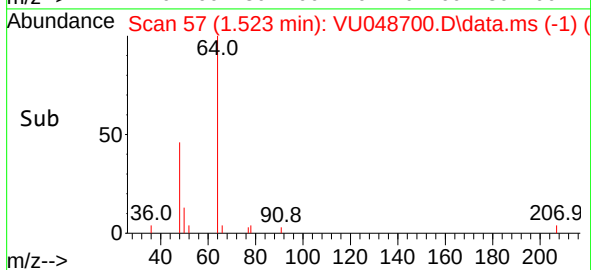
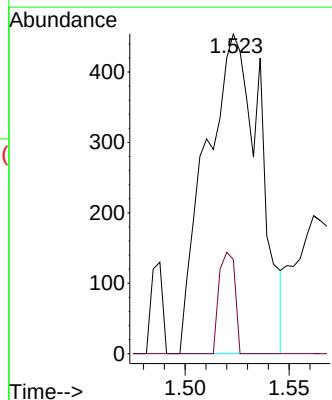
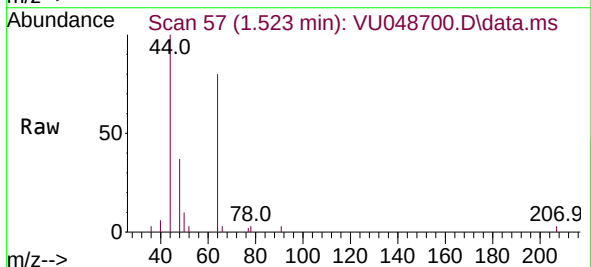
Instrument :
MSVOA_U
ClientSampleId :
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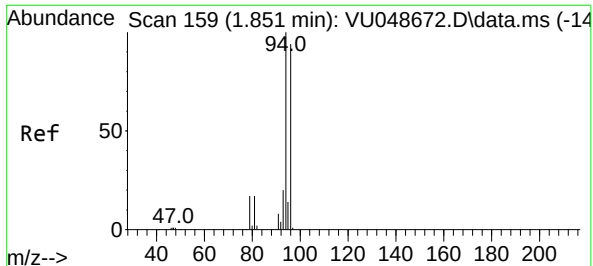
Tgt Ion:168 Resp: 218740
Ion Ratio Lower Upper
168 100
99 60.5 49.3 73.9



#3
Chloromethane
Concen: 0.256 ug/l
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

Tgt Ion: 50 Resp: 825
Ion Ratio Lower Upper
50 100
52 29.5 25.7 38.5

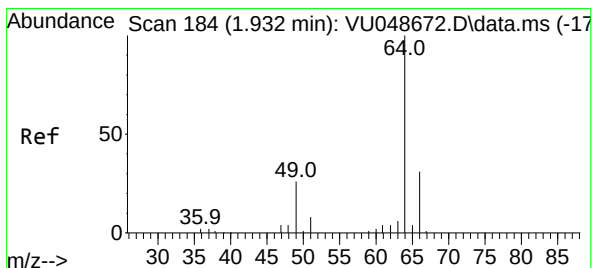
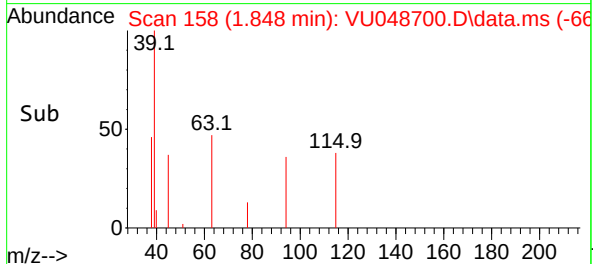
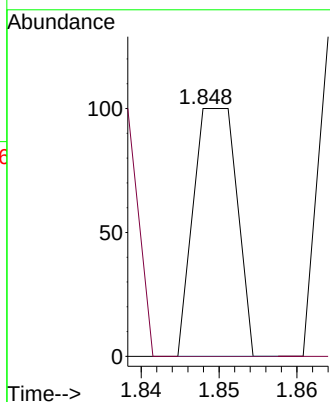
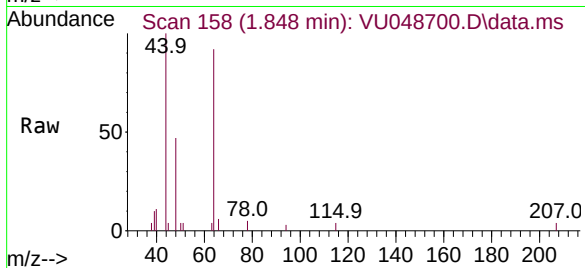




#5
Bromomethane
Concen: Below Cal
RT: 1.848 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

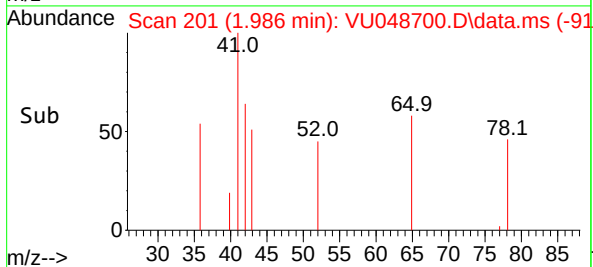
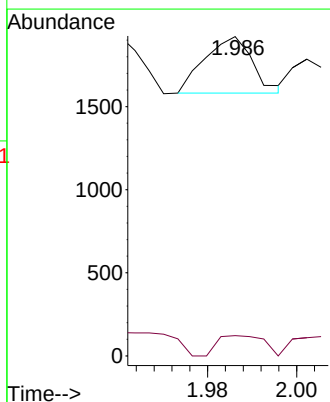
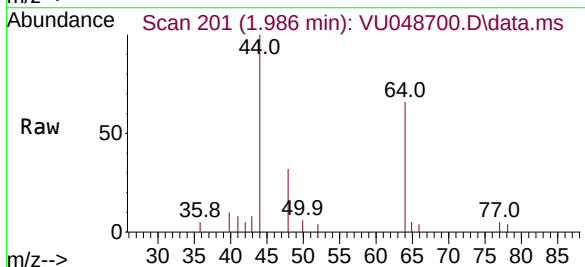
Instrument :
MSVOA_U
ClientSampleId :
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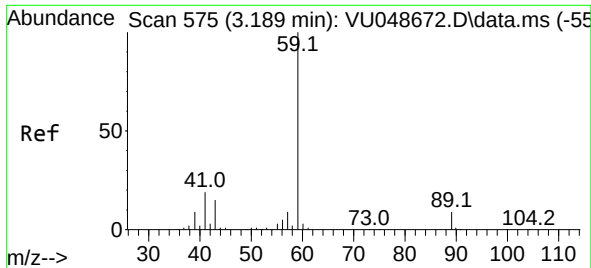
Tgt Ion: 94 Resp: 39
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.986 min Scan# 201
Delta R.T. 0.054 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

Tgt Ion: 64 Resp: 253
Ion Ratio Lower Upper
64 100
66 35.9 25.2 37.8

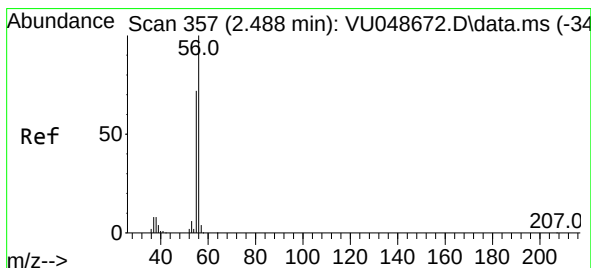
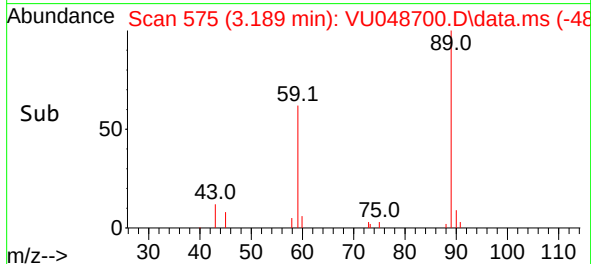
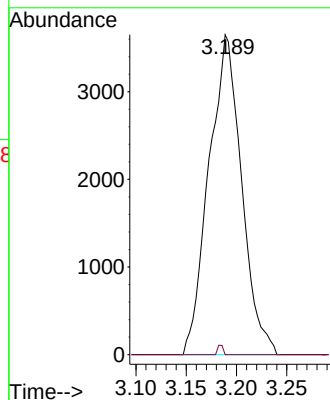
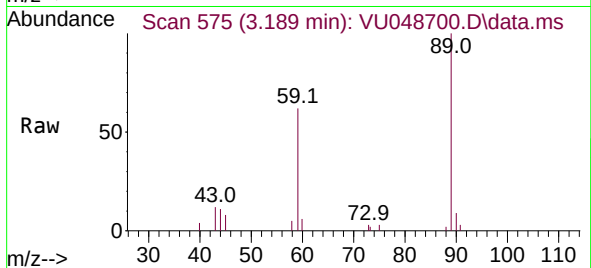




#11
Tert butyl alcohol
Concen: 9.900 ug/l
RT: 3.189 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

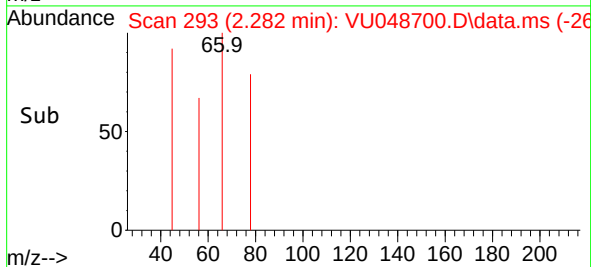
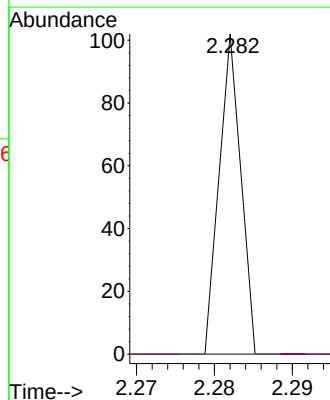
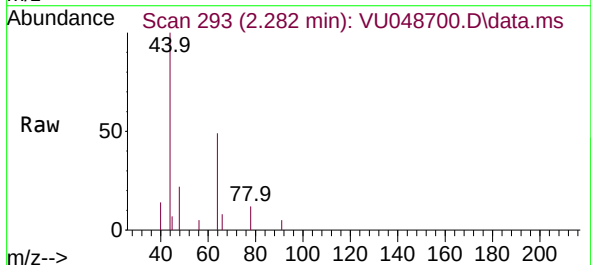
Instrument :
MSVOA_U
ClientSampleId :
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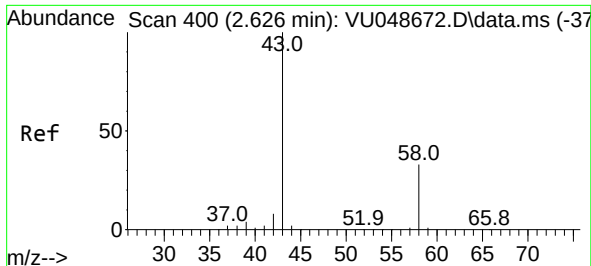
Tgt Ion: 59 Resp: 8245
Ion Ratio Lower Upper
59 100
57 0.5 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.282 min Scan# 293
Delta R.T. -0.206 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#





#16

Acetone

Concen: 3.343 ug/l

RT: 2.626 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU048700.D

Acq: 27 May 2022 17:49

Instrument :

MSVOA_U

ClientSampleId :

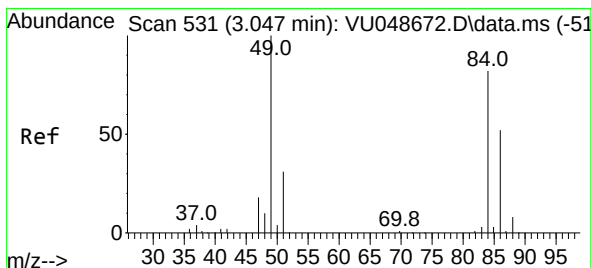
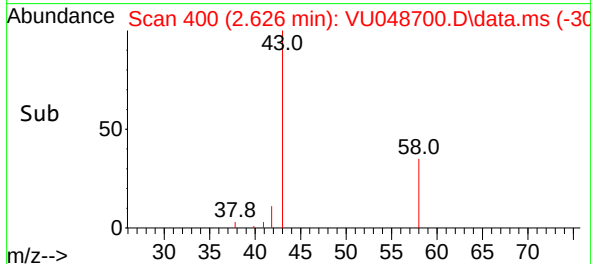
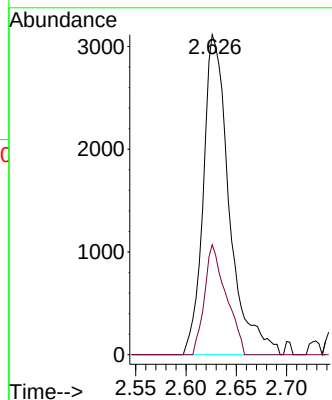
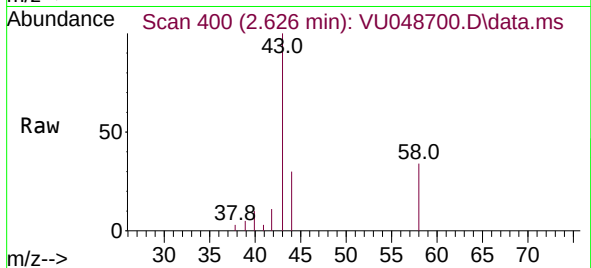
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Tgt Ion: 43 Resp: 5597

Ion Ratio Lower Upper

43 100

58 34.3 26.3 39.5



#20

Methylene Chloride

Concen: 0.411 ug/l

RT: 3.044 min Scan# 530

Delta R.T. -0.003 min

Lab File: VU048700.D

Acq: 27 May 2022 17:49

Tgt Ion: 84 Resp: 1170

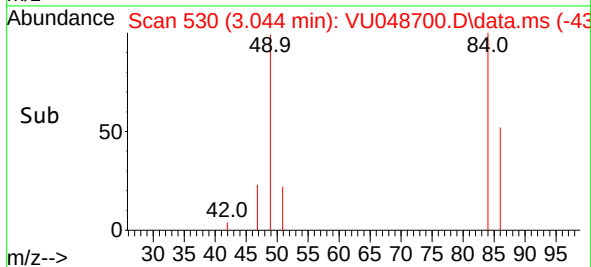
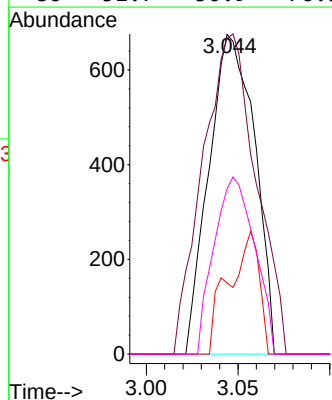
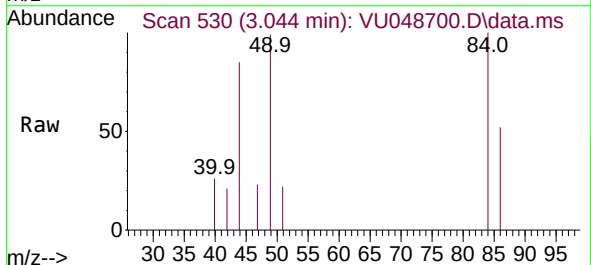
Ion Ratio Lower Upper

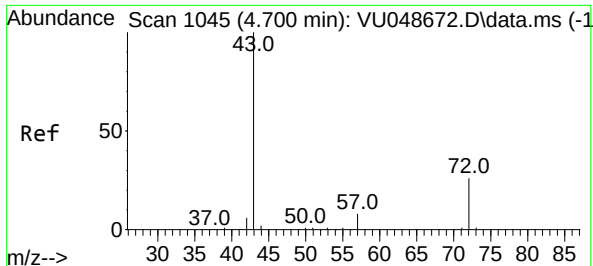
84 100

49 83.3 97.0 145.4#

51 22.2 29.8 44.8#

86 51.7 50.9 76.3





#25

2-Butanone

Concen: 0.554 ug/l

RT: 4.639 min Scan# 1

Delta R.T. -0.061 min

Lab File: VU048700.D

Acq: 27 May 2022 17:49

Instrument :

MSVOA_U

ClientSampleId :

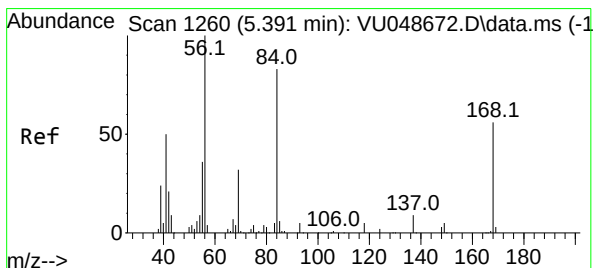
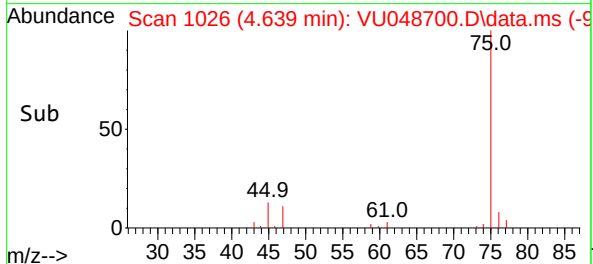
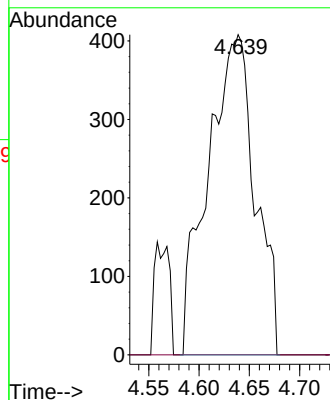
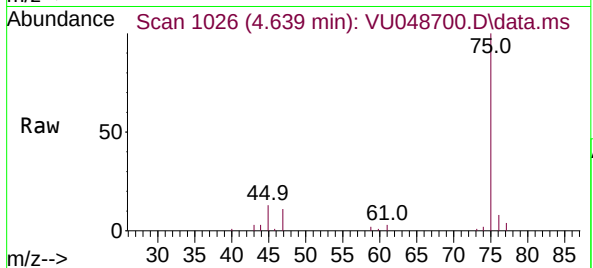
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Tgt Ion: 43 Resp: 1333

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#31

Cyclohexane

Concen: 1.030 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048700.D

Acq: 27 May 2022 17:49

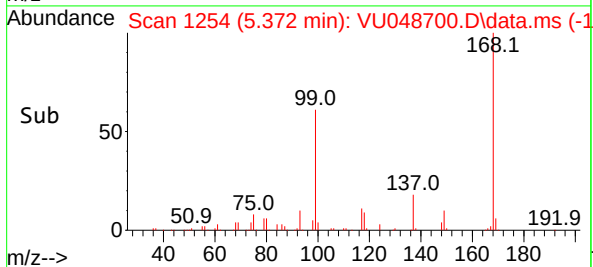
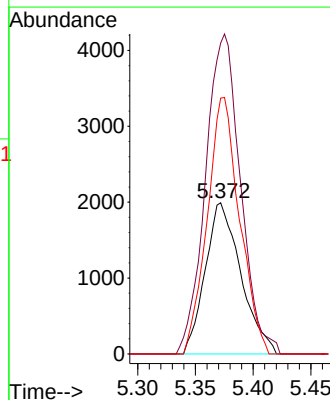
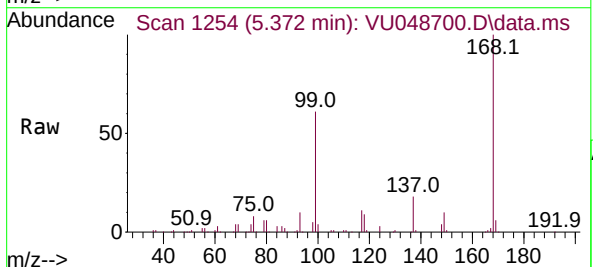
Tgt Ion: 56 Resp: 4265

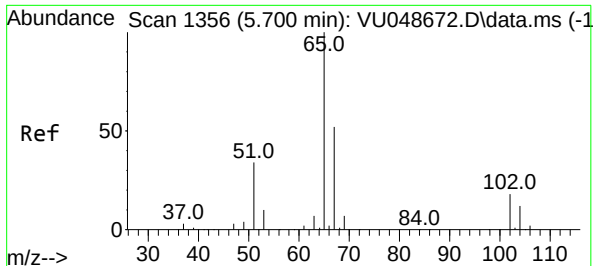
Ion Ratio Lower Upper

56 100

69 205.6 25.6 38.4#

84 169.3 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 51.051 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048700.D

Acq: 27 May 2022 17:49

Instrument :

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ClientSampleId :

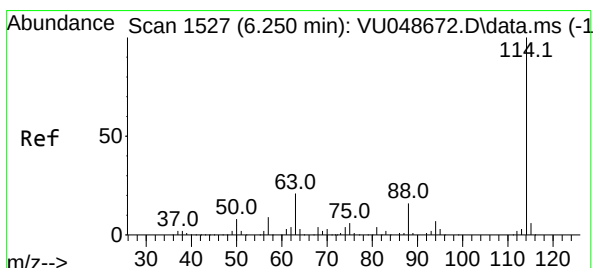
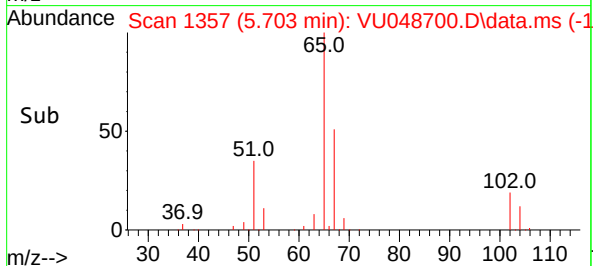
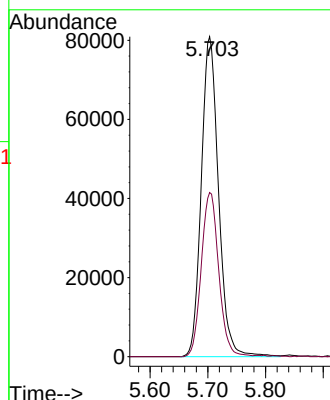
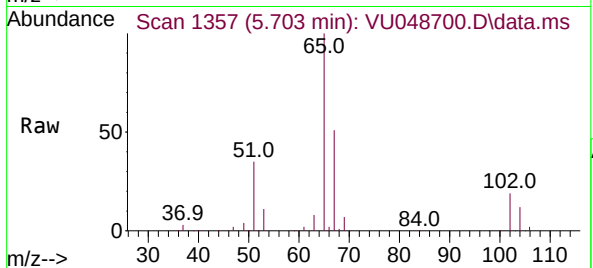
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Tgt Ion: 65 Resp: 167705

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048700.D

Acq: 27 May 2022 17:49

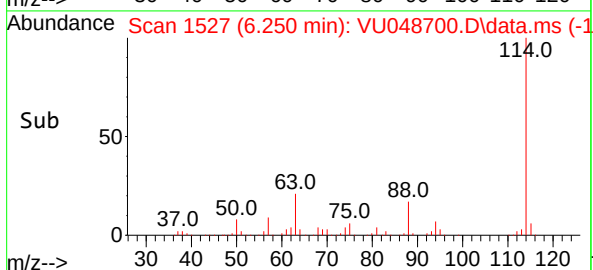
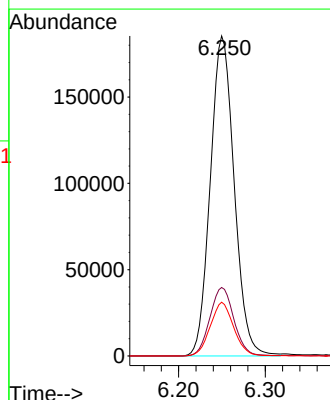
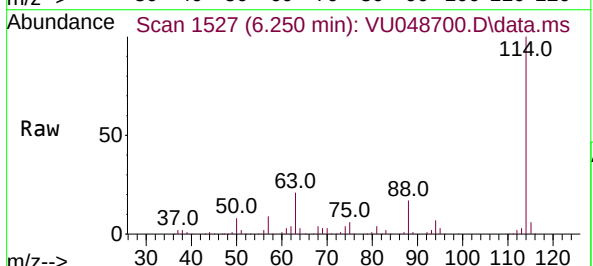
Tgt Ion: 114 Resp: 355276

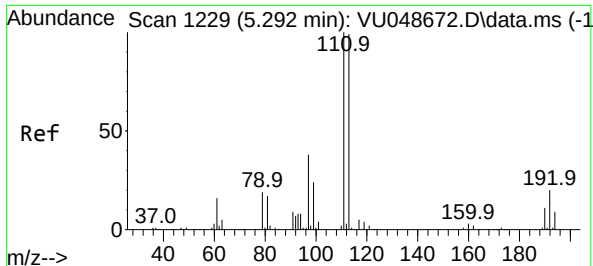
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 56.694 ug/l

RT: 5.292 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048700.D

Acq: 27 May 2022 17:49

Instrument :

MSVOA_U

ClientSampleId :

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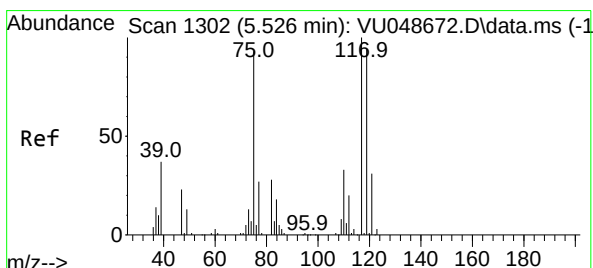
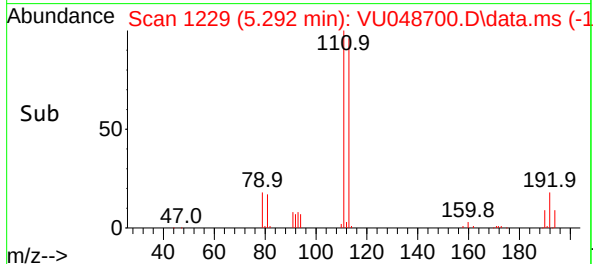
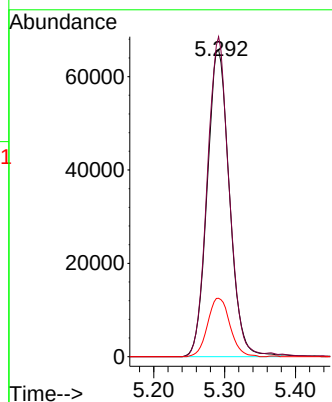
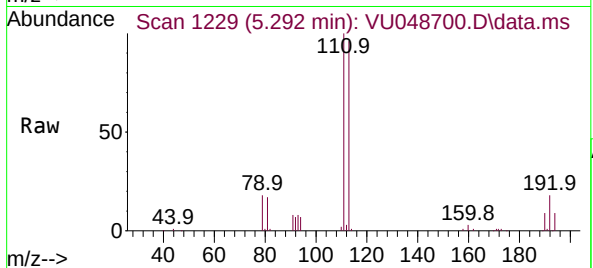
Tgt Ion:113 Resp: 143698

Ion Ratio Lower Upper

113 100

111 101.8 80.7 121.1

192 19.1 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.809 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.155 min

Lab File: VU048700.D

Acq: 27 May 2022 17:49

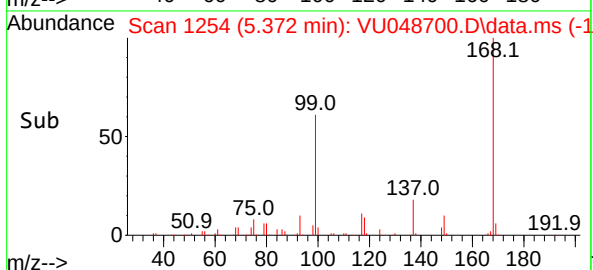
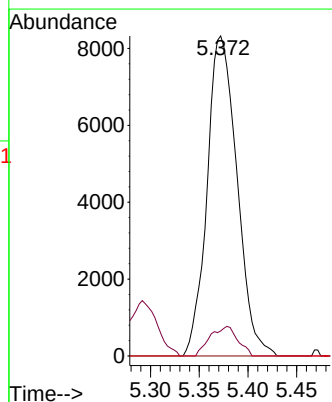
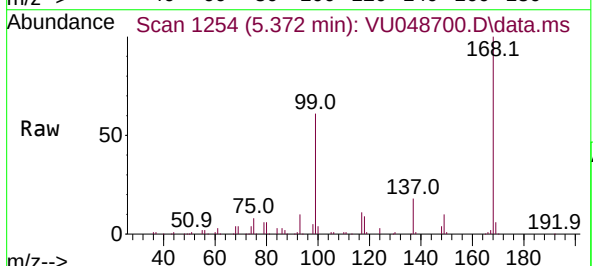
Tgt Ion: 75 Resp: 17790

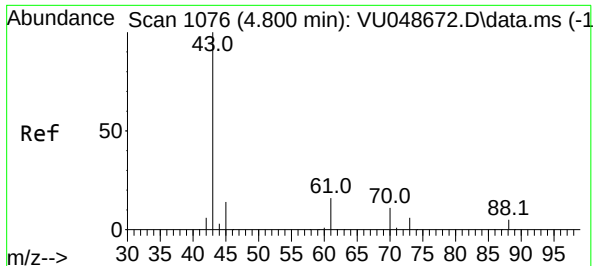
Ion Ratio Lower Upper

75 100

110 8.5 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.285 ug/l

RT: 4.639 min Scan# 1

Delta R.T. -0.161 min

Lab File: VU048700.D

Acq: 27 May 2022 17:49

Instrument :

MSVOA_U

ClientSampleId :

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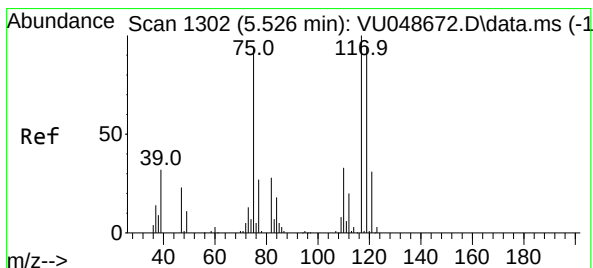
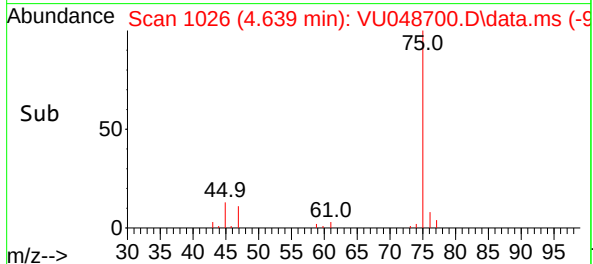
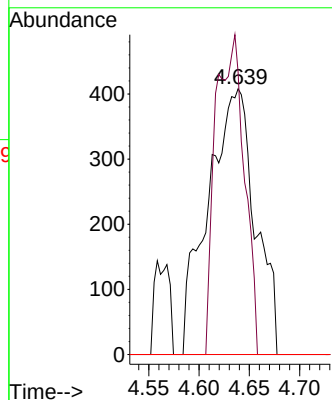
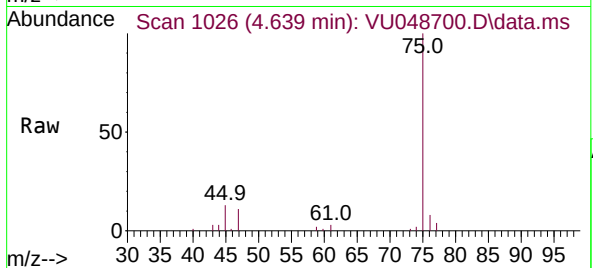
Tgt Ion: 43 Resp: 1333

Ion Ratio Lower Upper

43 100

61 72.8 11.7 17.5#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 5.521 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048700.D

Acq: 27 May 2022 17:49

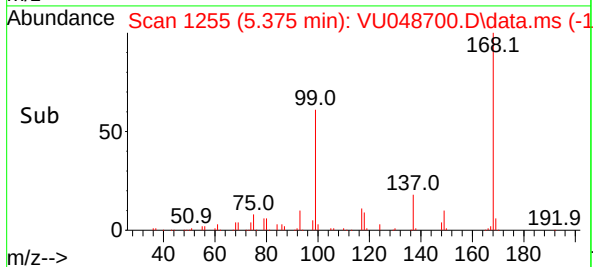
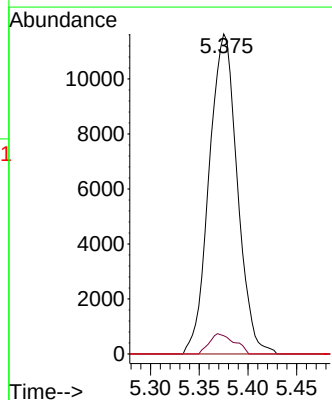
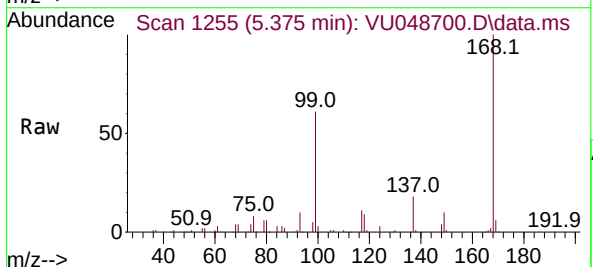
Tgt Ion: 117 Resp: 23432

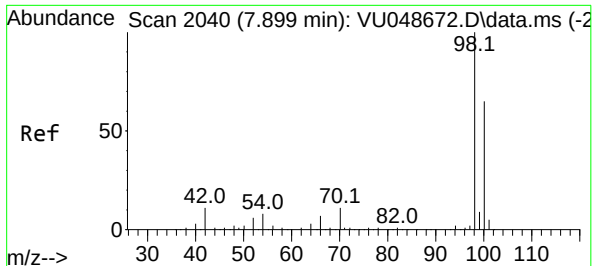
Ion Ratio Lower Upper

117 100

119 5.7 75.4 113.2#

121 0.0 24.6 36.8#

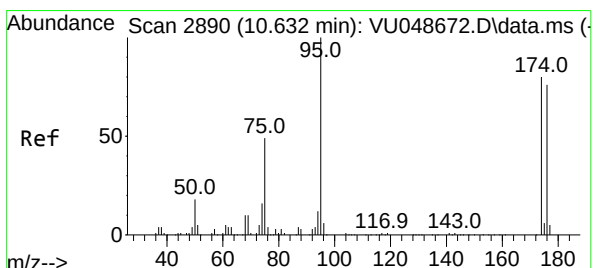
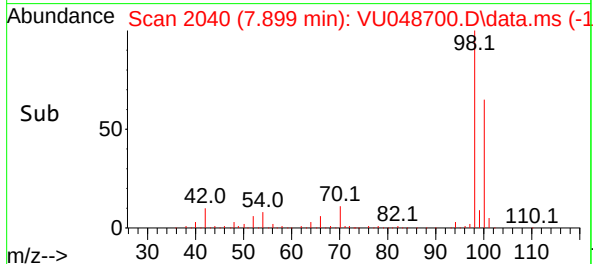
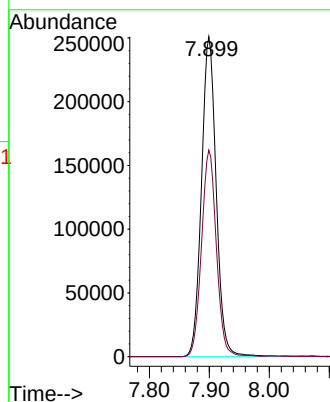
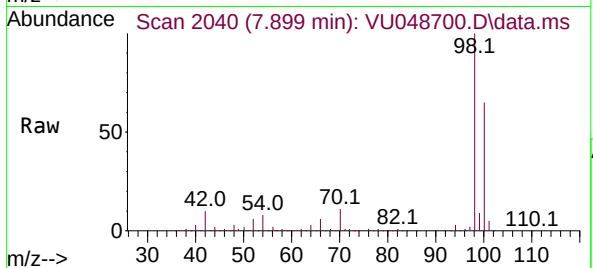




#50
Toluene-d8
Concen: 47.284 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

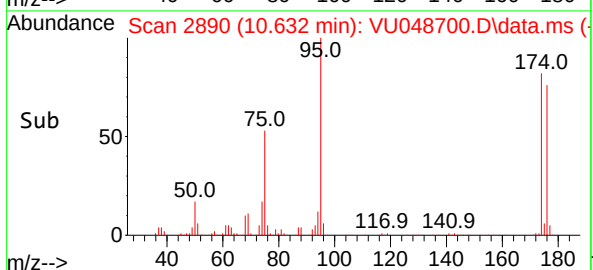
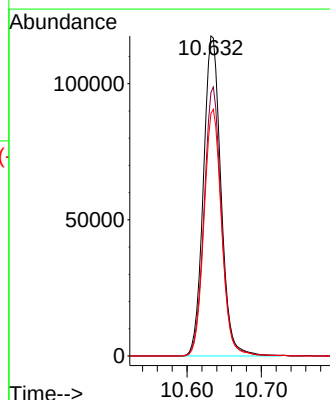
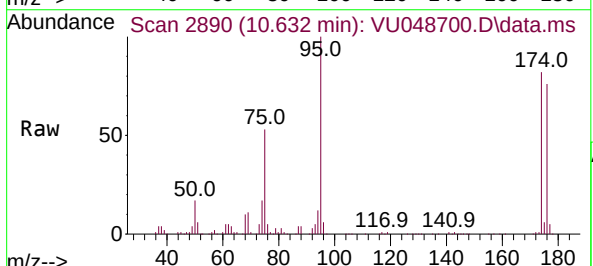
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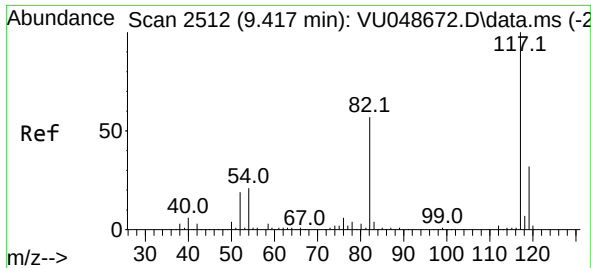
Tgt Ion: 98 Resp: 429609
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 56.180 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

Tgt Ion: 95 Resp: 193042
Ion Ratio Lower Upper
95 100
174 83.0 0.0 159.4
176 77.1 0.0 152.4

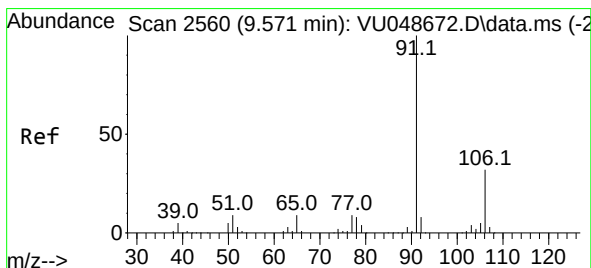
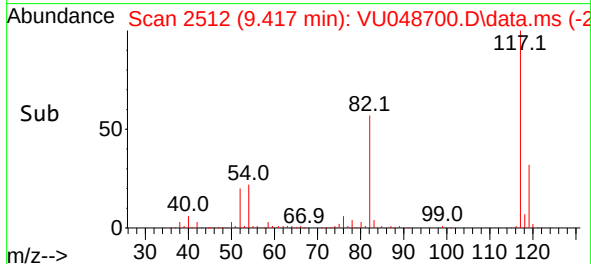
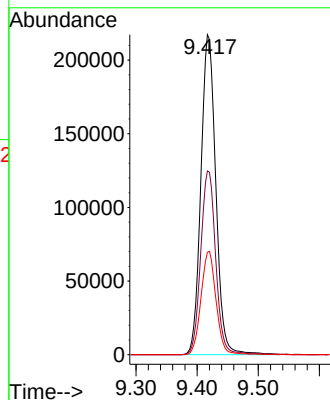
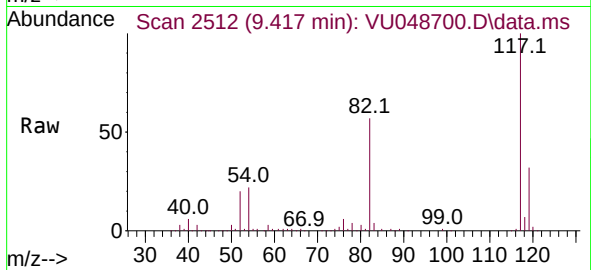




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

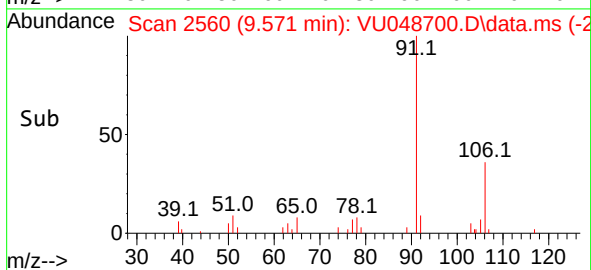
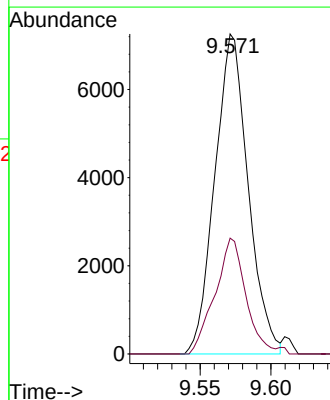
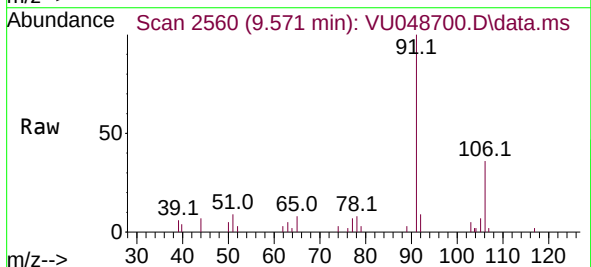
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ClientSampleId :
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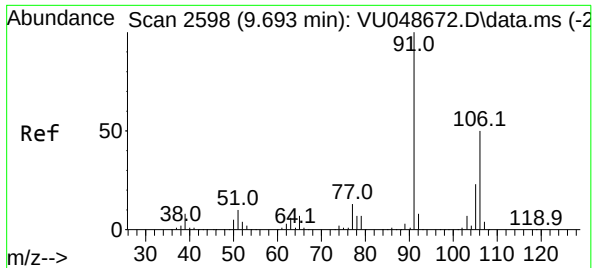
Tgt Ion:117 Resp: 368928
Ion Ratio Lower Upper
117 100
82 57.4 45.3 67.9
119 32.0 25.4 38.2



#67
Ethyl Benzene
Concen: 0.902 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

Tgt Ion: 91 Resp: 11871
Ion Ratio Lower Upper
91 100
106 36.2 25.4 38.2

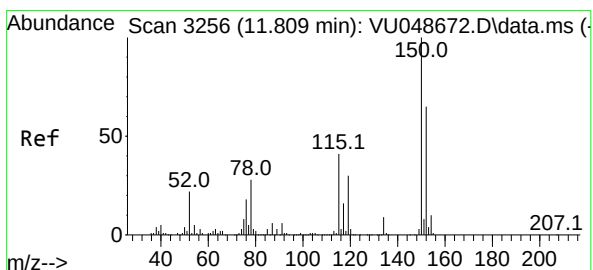
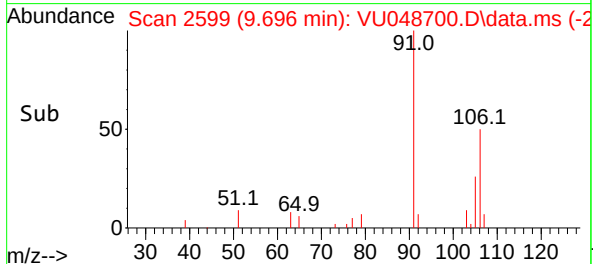
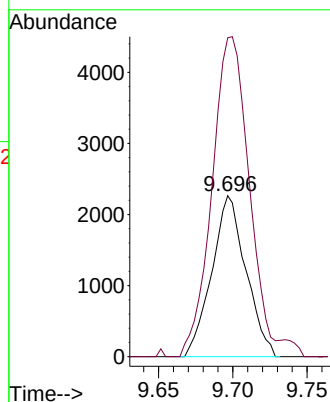
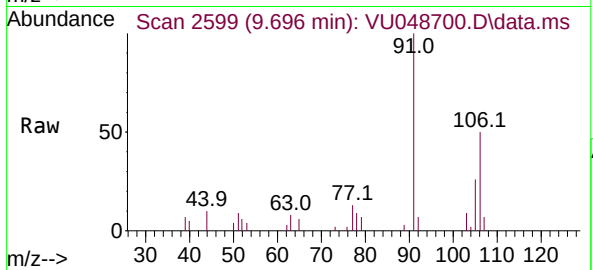




#68
m/p-Xylenes
Concen: 0.704 ug/l
RT: 9.696 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

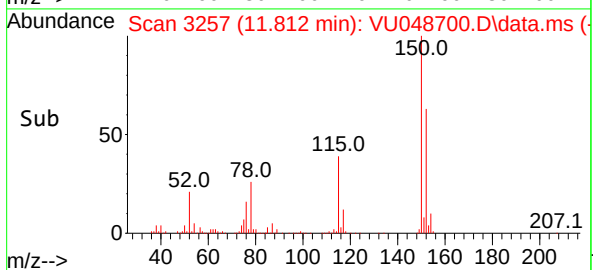
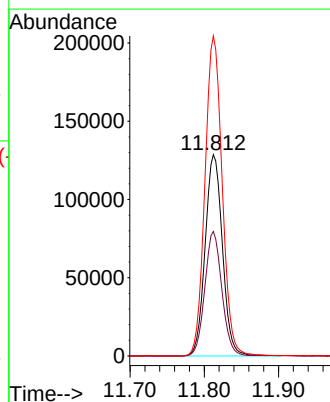
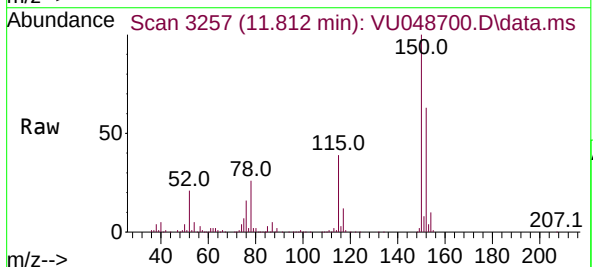
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ClientSampleId :
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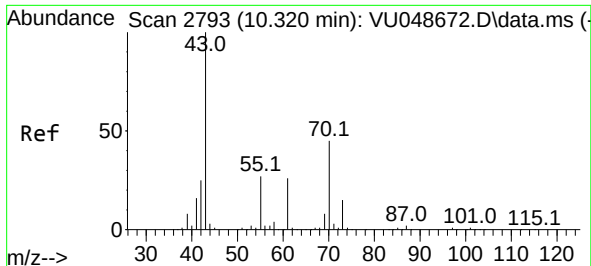
Tgt Ion:106 Resp: 3624
Ion Ratio Lower Upper
106 100
91 220.0 162.4 243.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

Tgt Ion:152 Resp: 207731
Ion Ratio Lower Upper
152 100
115 60.9 41.8 125.4
150 158.5 0.0 341.0

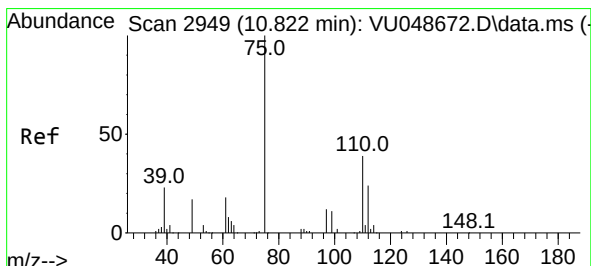
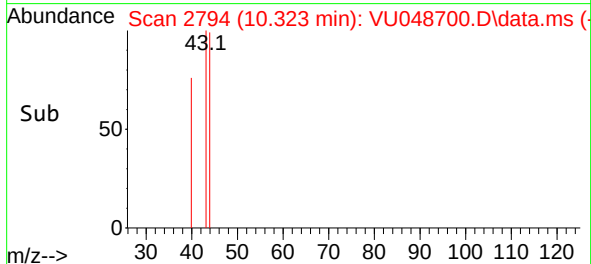
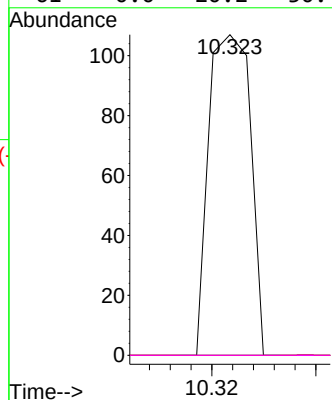
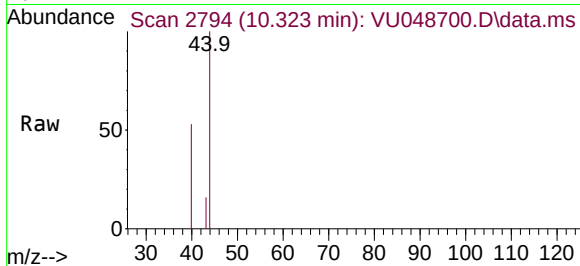




#74
N-amy1 acetate
Concen: 2.475 ug/l
RT: 10.323 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

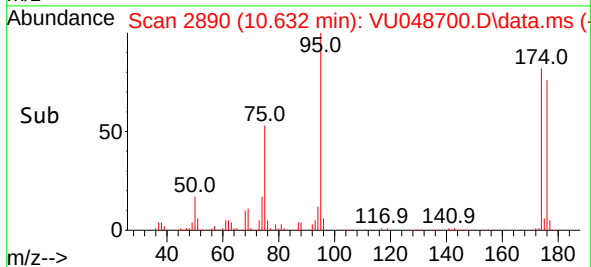
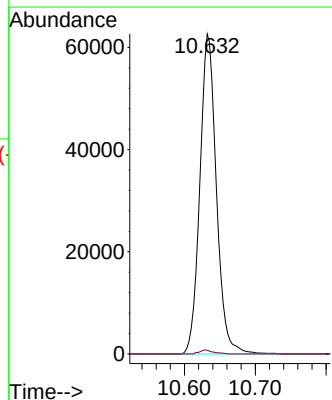
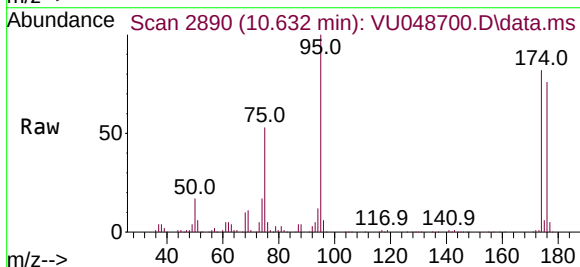
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MSVOA_U
ClientSampleId :
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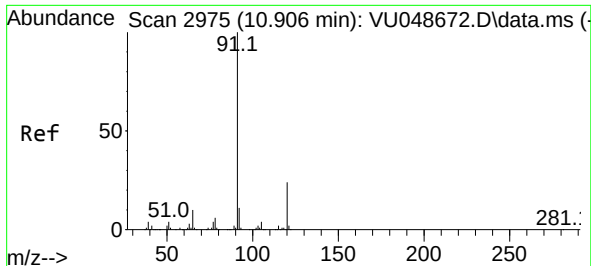
Tgt Ion: 43	Resp: 59
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 15.129 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

Tgt Ion: 75	Resp: 101333
Ion Ratio	Lower Upper
75 100	
77 1.0	14.8 44.3#

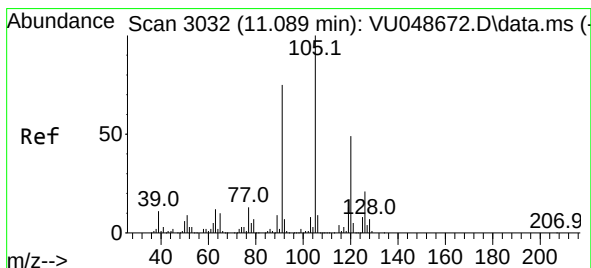
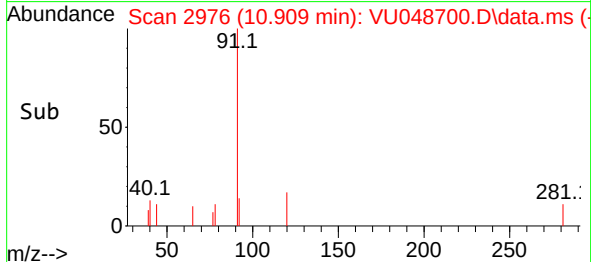
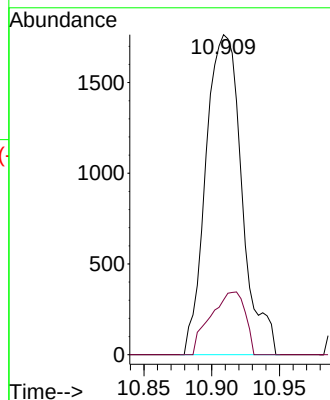
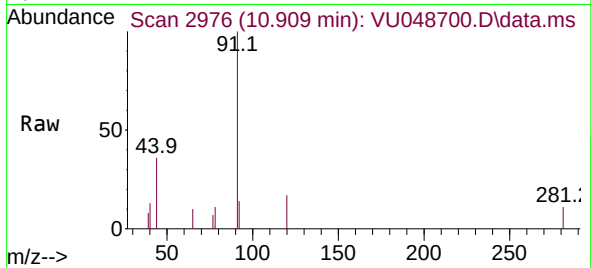




#78
n-propylbenzene
Concen: 0.204 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

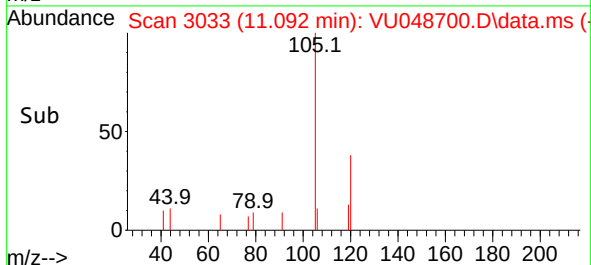
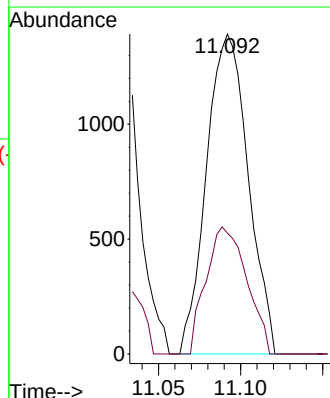
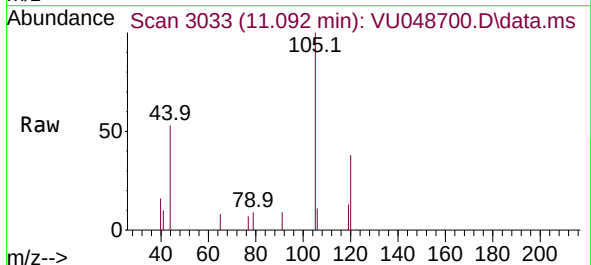
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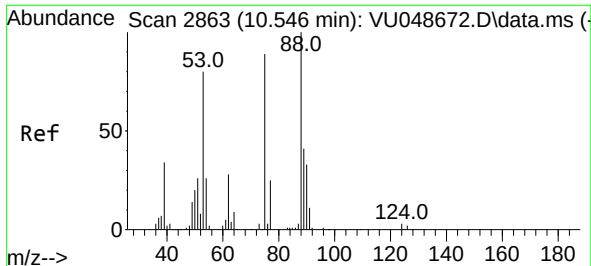
Tgt Ion: 91 Resp: 3258
Ion Ratio Lower Upper
91 100
120 18.8 11.6 34.7



#80
1,3,5-Trimethylbenzene
Concen: 0.211 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

Tgt Ion: 105 Resp: 2460
Ion Ratio Lower Upper
105 100
120 38.7 24.1 72.3

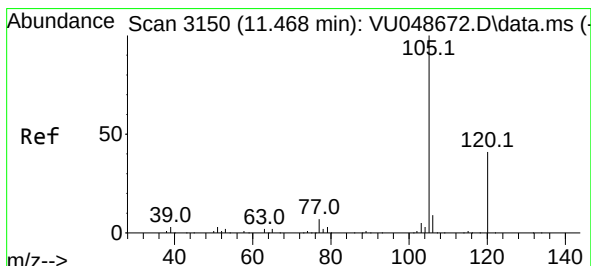
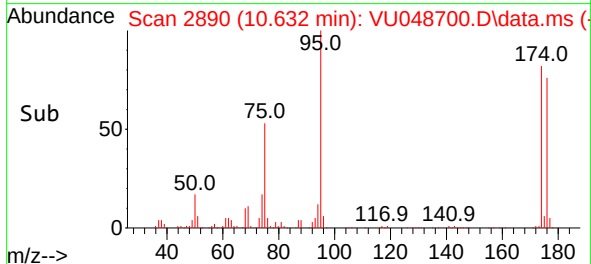
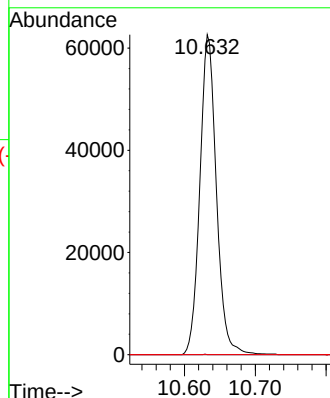
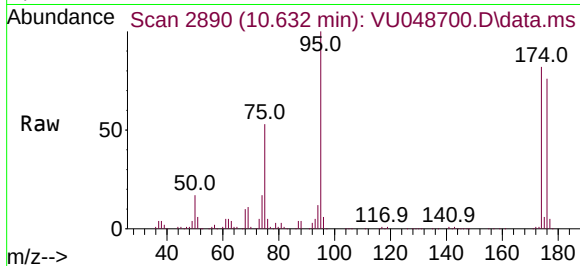




#81
trans-1,4-Dichloro-2-butene
Concen: 54.933 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

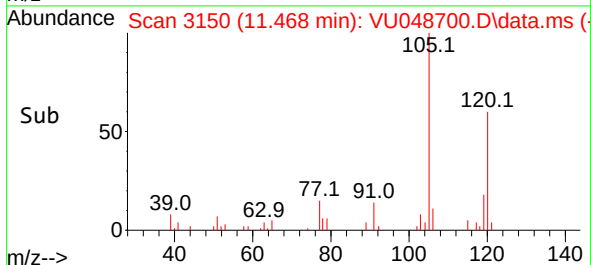
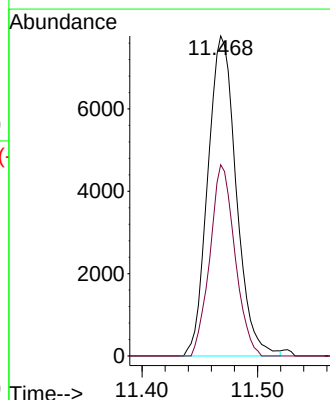
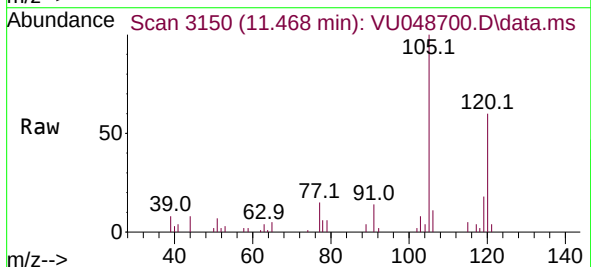
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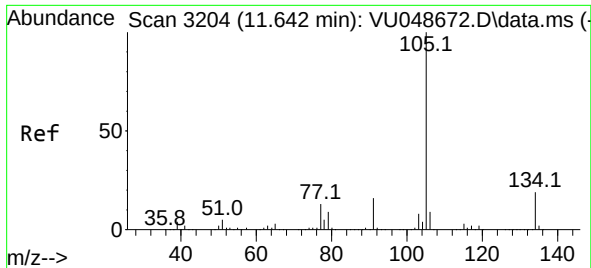
Tgt Ion: 75 Resp: 101333
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.218 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

Tgt Ion: 105 Resp: 13274
Ion Ratio Lower Upper
105 100
120 52.4 22.5 67.5

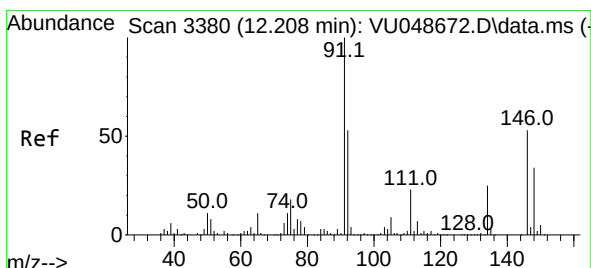
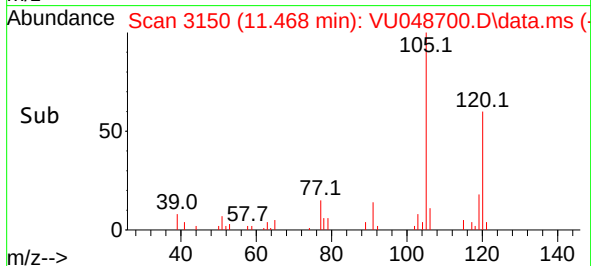
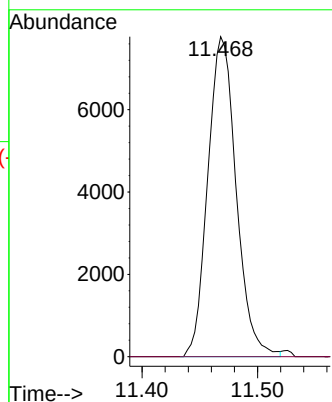
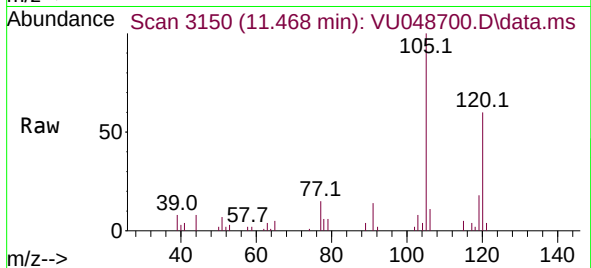




#85
 sec-Butylbenzene
 Concen: 0.948 ug/l
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.174 min
 Lab File: VU048700.D
 Acq: 27 May 2022 17:49

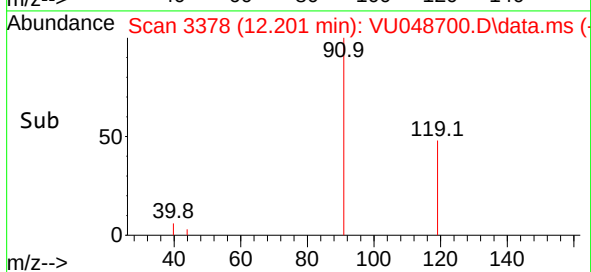
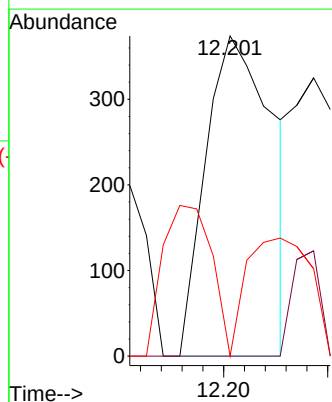
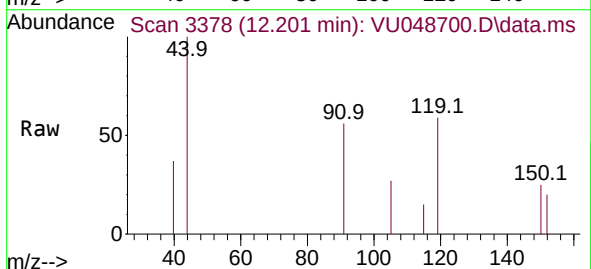
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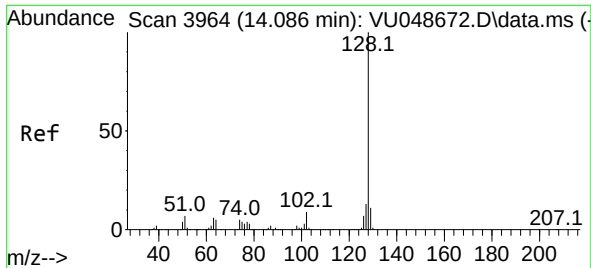
Tgt Ion:105 Resp: 13274
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#



#89
 n-Butylbenzene
 Concen: 2.212 ug/l
 RT: 12.201 min Scan# 3378
 Delta R.T. -0.007 min
 Lab File: VU048700.D
 Acq: 27 May 2022 17:49

Tgt Ion: 91 Resp: 334
 Ion Ratio Lower Upper
 91 100
 92 13.8 25.9 77.8#
 134 35.3 12.5 37.5





#95
Naphthalene
Concen: 5.655 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU048700.D
Acq: 27 May 2022 17:49

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.4	8.7	13.1

