

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048803.D
 Acq On : 02 Jun 2022 15:01
 Operator : SY/MD
 Sample : PB145254TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

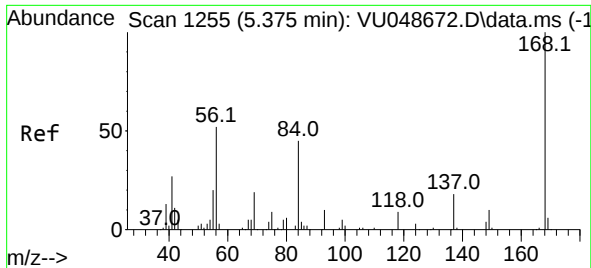
Instrument :
 MSVOA_U
 ClientSampleId :
 PB145254TB

Quant Time: Jun 03 01:16:08 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	5.369	168	352393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	581130	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	536442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	269816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	237394	44.857	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.720%		
35) Dibromofluoromethane	5.285	113	179487	43.293	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.580%		
50) Toluene-d8	7.896	98	702440	47.265	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.540%		
62) 4-Bromofluorobenzene	10.635	95	269565	47.961	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.920%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1133	0.218	ug/l #	68
5) Bromomethane	1.829	94	1235	Below Cal	#	75
6) Chloroethane	1.941	64	322	Below Cal	#	62
10) Methyl Iodide	2.710	142	623	3.109	ug/l #	72
11) Tert butyl alcohol	3.179	59	9571	7.133	ug/l #	28
13) Acrolein	2.475	56	431	Below Cal	#	60
16) Acetone	2.629	43	7914	2.934	ug/l #	85
17) Carbon Disulfide	2.780	76	2208	0.211	ug/l #	94
18) Methyl Acetate	2.948	43	1568	0.232	ug/l #	71
20) Methylene Chloride	3.038	84	5112	1.115	ug/l	95
25) 2-Butanone	4.716	43	9122	2.354	ug/l	98
29) Tetrahydrofuran	5.070	42	1515	0.621	ug/l #	85
31) Cyclohexane	5.366	56	7801	1.170	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	29894	4.940	ug/l #	49
37) Ethyl Acetate	4.716	43	9122	1.193	ug/l #	68
38) Carbon Tetrachloride	5.369	117	35332	5.090	ug/l #	17
41) Methacrylonitrile	5.060	41	1065	0.276	ug/l #	36
49) 1,4-Dioxane	6.983	88	110	0.987	ug/l #	69
51) 4-Methyl-2-Pentanone	7.793	43	2799	0.388	ug/l	92
56) Ethyl methacrylate	8.346	69	268	2.647	ug/l #	82
59) 2-Hexanone	8.697	43	2922	0.494	ug/l	92
64) Tetrachloroethene	8.552	164	196	Below Cal	#	34
74) N-amyl acetate	10.324	43	1084	2.584	ug/l #	89
76) 1,2,3-Trichloropropane	10.635	75	135676	15.596	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.635	75	135676	56.626	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	1750	1.292	ug/l	95
89) n-Butylbenzene	12.214	91	3525	2.401	ug/l	97
93) 1,2,4-Trichlorobenzene	13.848	180	3122	0.513	ug/l	97
95) Naphthalene	14.092	128	25706	3.682	ug/l	98
96) 1,2,3-Trichlorobenzene	14.333	180	3993	0.663	ug/l	97

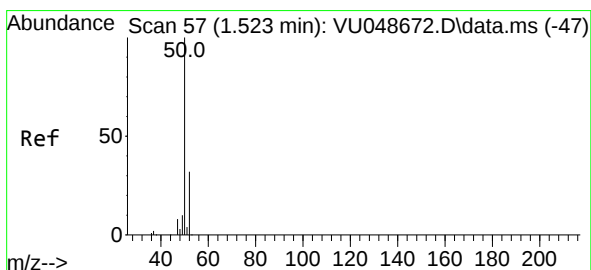
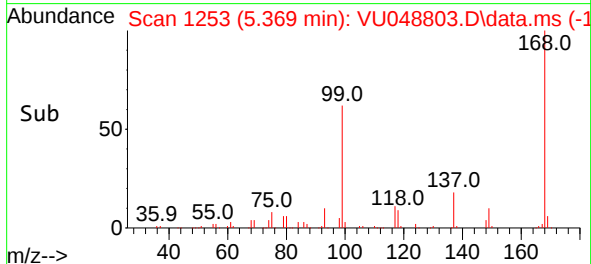
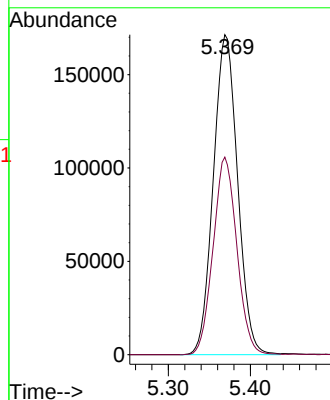
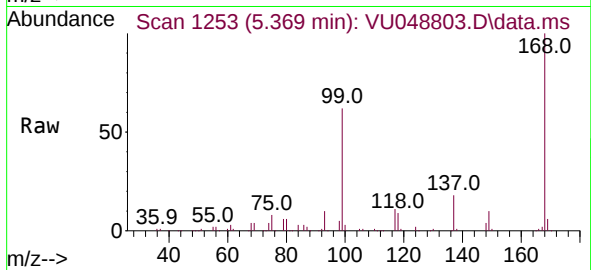
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU048803.D
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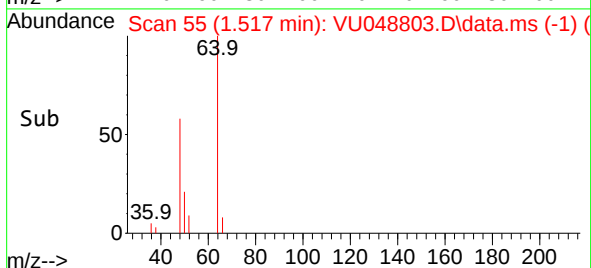
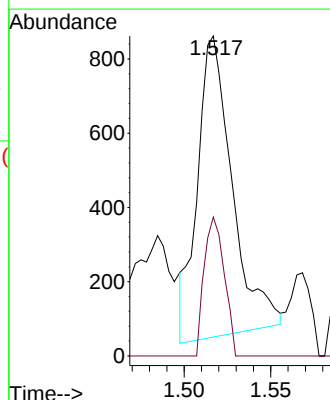
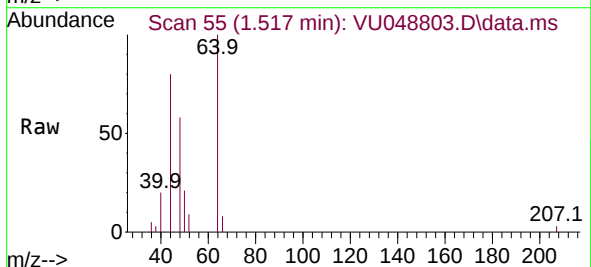
Instrument :
MSVOA_U
ClientSampleId :
PB145254TB

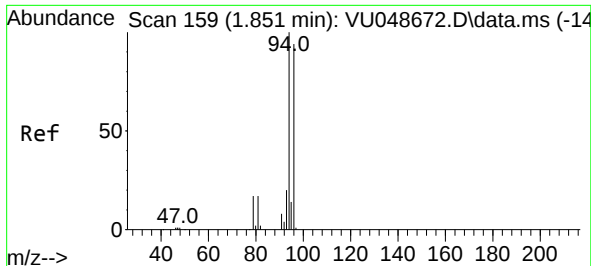
Tgt Ion:168 Resp: 352393
Ion Ratio Lower Upper
168 100
99 61.7 49.3 73.9



#3
Chloromethane
Concen: 0.218 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.007 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion: 50 Resp: 1133
Ion Ratio Lower Upper
50 100
52 50.1 25.7 38.5#

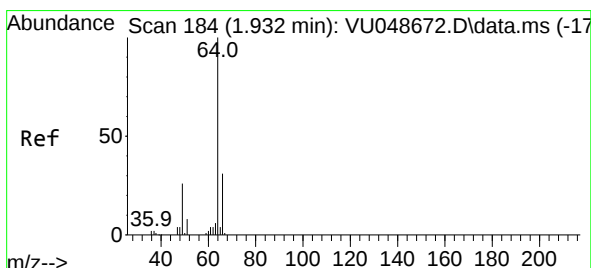
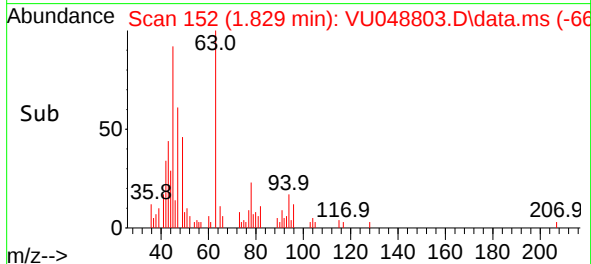
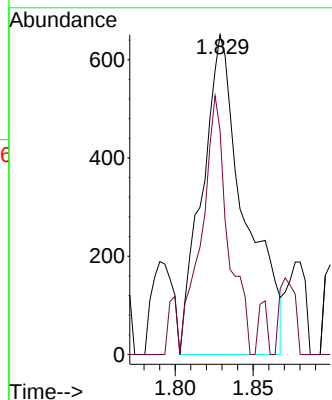
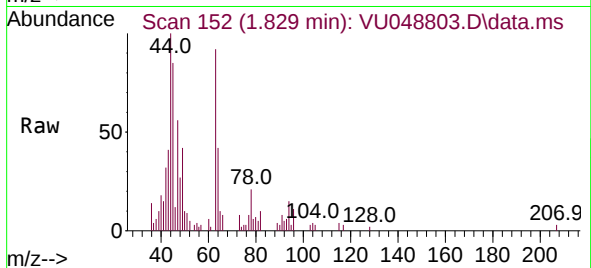




#5
Bromomethane
Concen: Below Cal
RT: 1.829 min Scan# 11
Delta R.T. -0.022 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

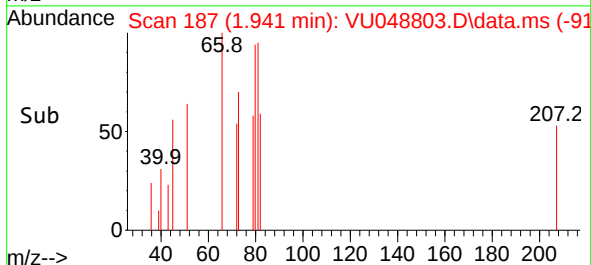
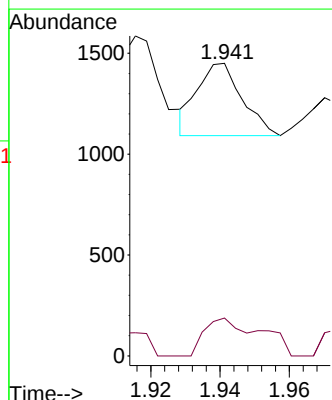
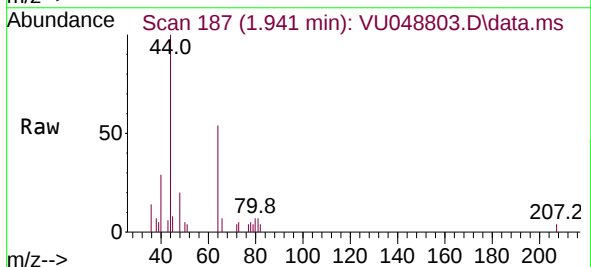
Instrument :
MSVOA_U
ClientSampleId :
PB145254TB

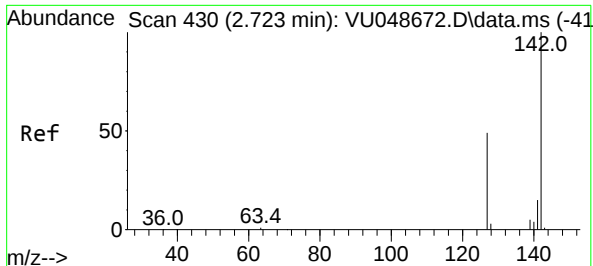
Tgt Ion: 94 Resp: 1235
Ion Ratio Lower Upper
94 100
96 70.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.941 min Scan# 187
Delta R.T. 0.009 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion: 64 Resp: 322
Ion Ratio Lower Upper
64 100
66 52.5 25.2 37.8#





#10

Methyl Iodide

Concen: 3.109 ug/l

RT: 2.710 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU048803.D

Acq: 02 Jun 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

PB145254TB

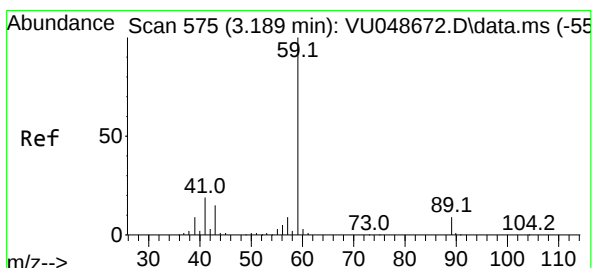
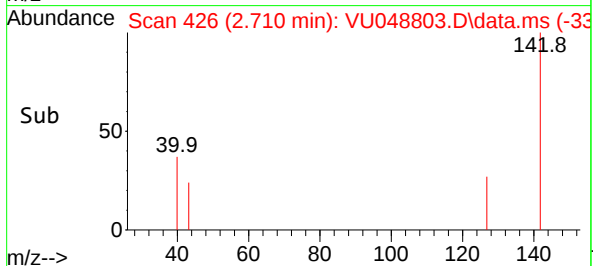
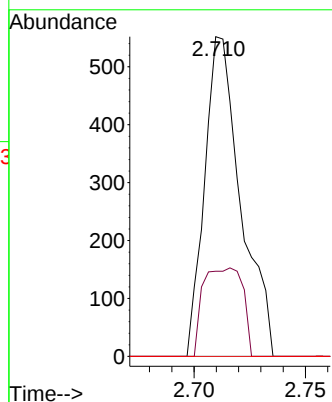
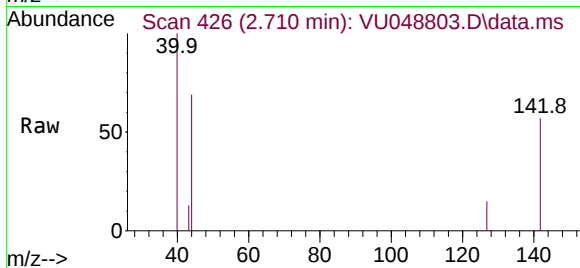
Tgt Ion:142 Resp: 623

Ion Ratio Lower Upper

142 100

127 30.2 38.4 57.6#

141 0.0 11.5 17.3#



#11

Tert butyl alcohol

Concen: 7.133 ug/l

RT: 3.179 min Scan# 572

Delta R.T. -0.010 min

Lab File: VU048803.D

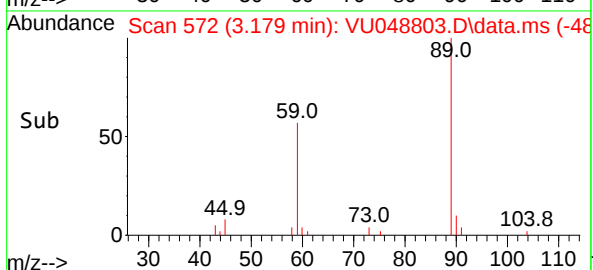
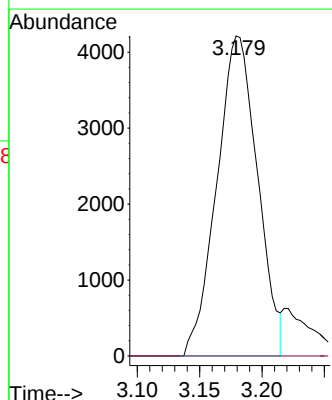
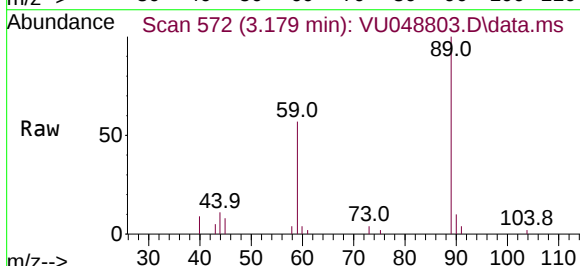
Acq: 02 Jun 2022 15:01

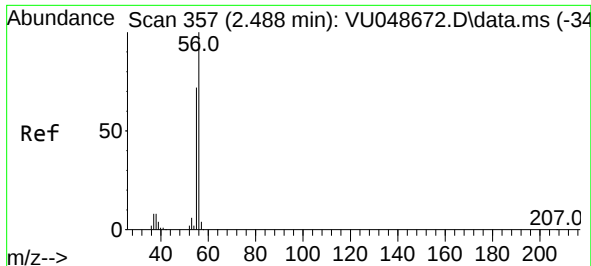
Tgt Ion: 59 Resp: 9571

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#

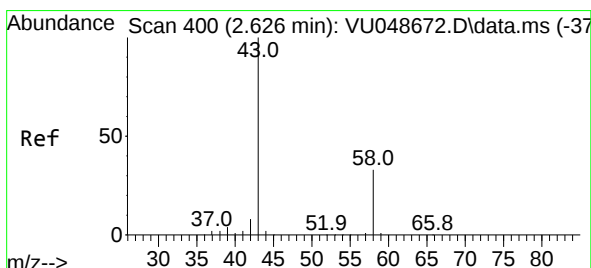
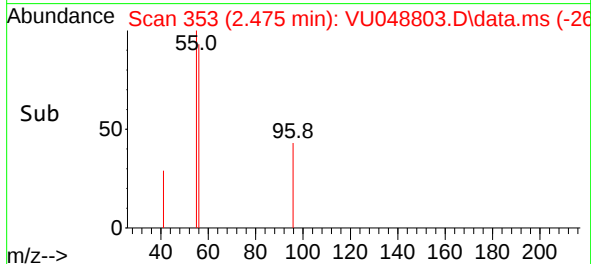
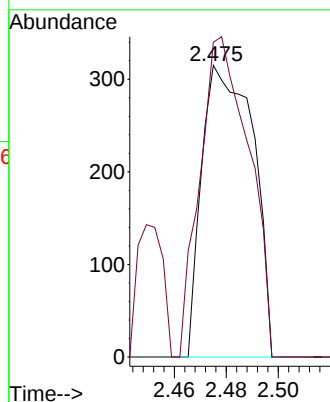
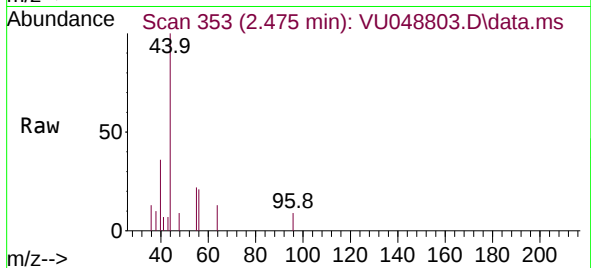




#13
Acrolein
Concen: Below Cal
RT: 2.475 min Scan# 311
Delta R.T. -0.013 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

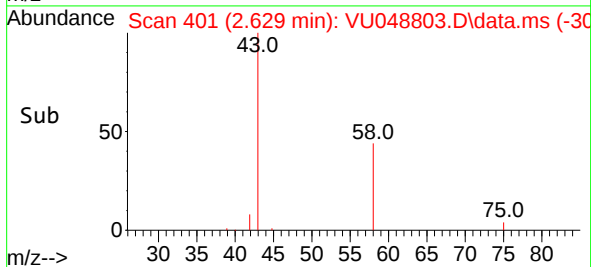
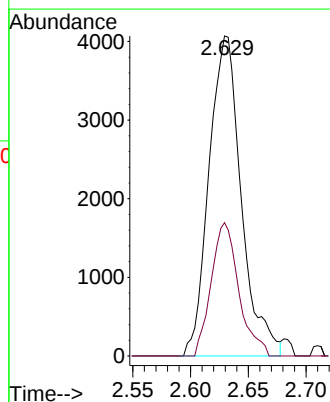
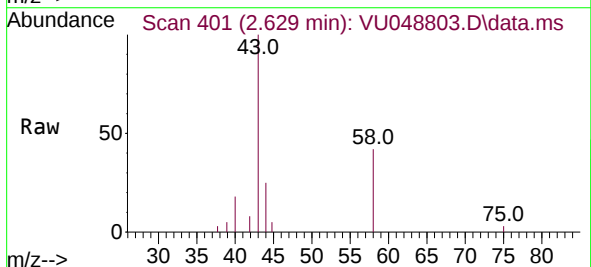
Instrument :
MSVOA_U
ClientSampleId :
PB145254TB

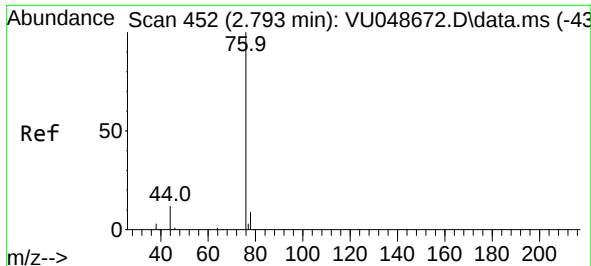
Tgt Ion: 56 Resp: 431
Ion Ratio Lower Upper
56 100
55 105.1 57.7 86.5#



#16
Acetone
Concen: 2.934 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

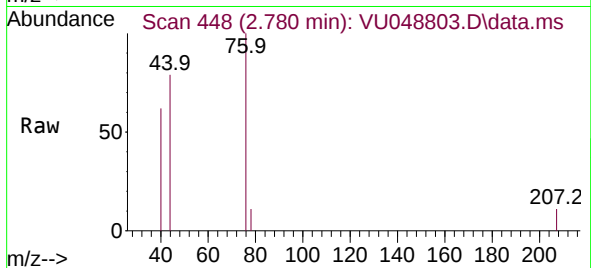
Tgt Ion: 43 Resp: 7914
Ion Ratio Lower Upper
43 100
58 41.6 26.3 39.5#



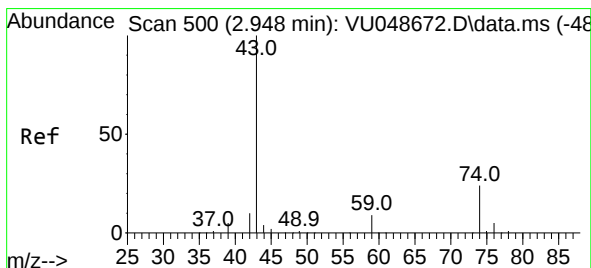
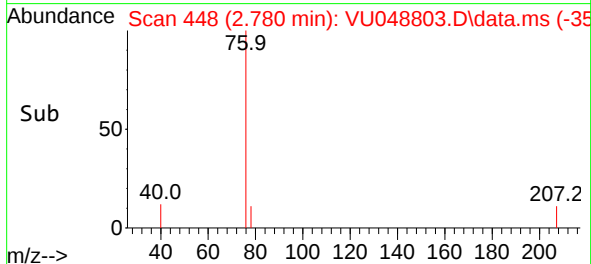
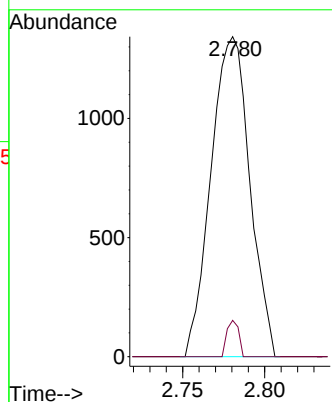


#17
Carbon Disulfide
Concen: 0.211 ug/l
RT: 2.780 min Scan# 44
Delta R.T. -0.013 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Instrument :
MSVOA_U
ClientSampleId :
PB145254TB

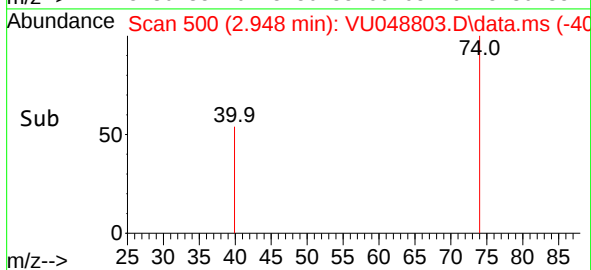
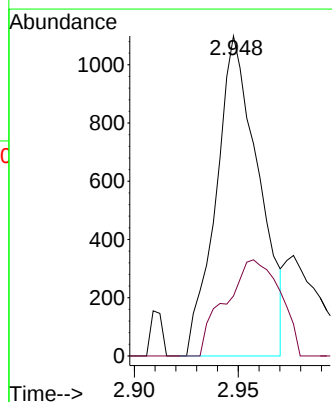
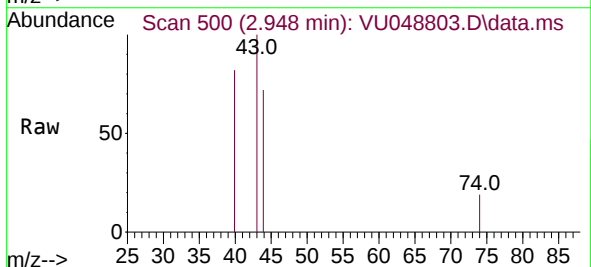


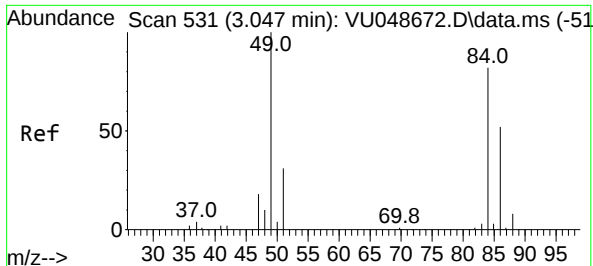
Tgt Ion: 76 Resp: 2208
Ion Ratio Lower Upper
76 100
78 11.4 7.3 10.9#



#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion: 43 Resp: 1568
Ion Ratio Lower Upper
43 100
74 38.5 19.2 28.8#

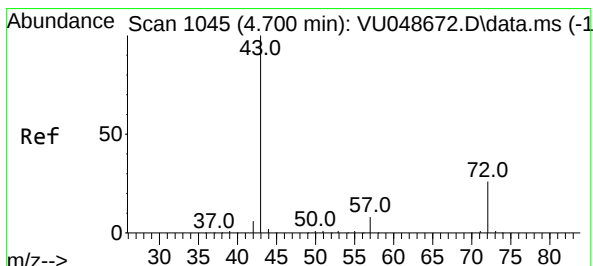
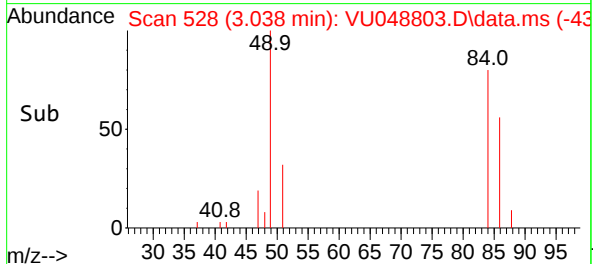
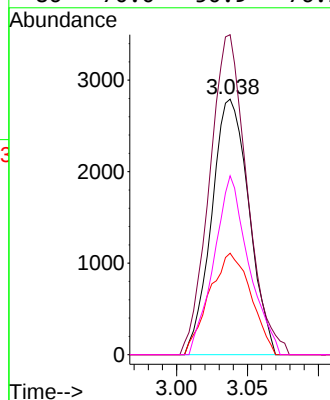
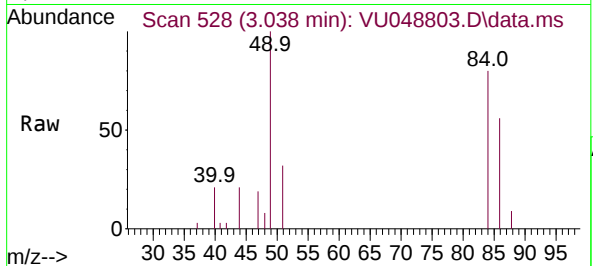




#20
Methylene Chloride
Concen: 1.115 ug/l
RT: 3.038 min Scan# 511
Delta R.T. -0.010 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

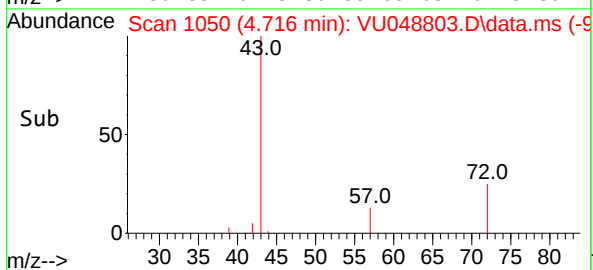
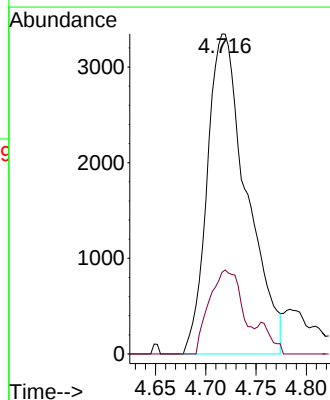
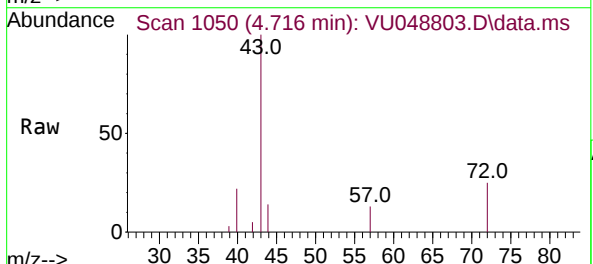
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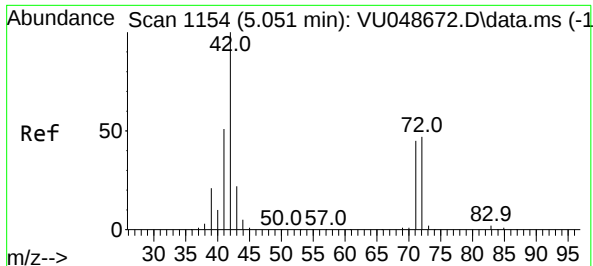
Tgt Ion:	84	Resp:	5112
Ion	Ratio	Lower	Upper
84	100		
49	125.3	97.0	145.4
51	39.7	29.8	44.8
86	70.0	50.9	76.3



#25
2-Butanone
Concen: 2.354 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.016 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion:	43	Resp:	9122
Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.1	31.7

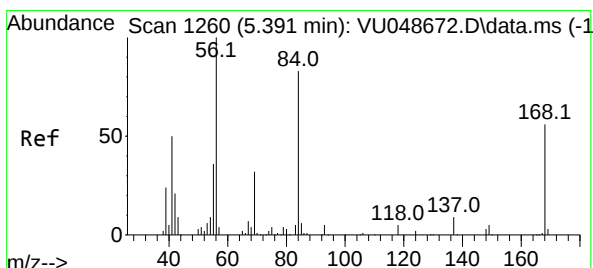
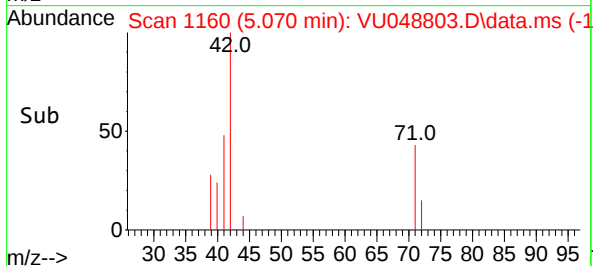
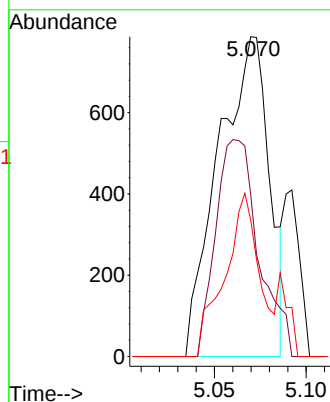
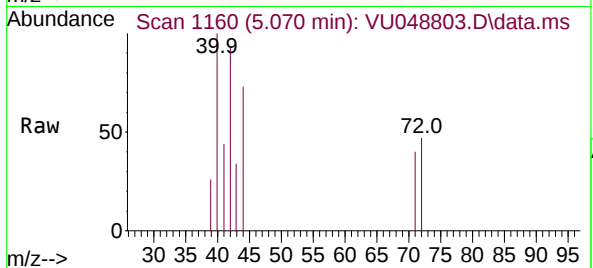




#29
Tetrahydrofuran
Concen: 0.621 ug/l
RT: 5.070 min Scan# 1154
Delta R.T. 0.019 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

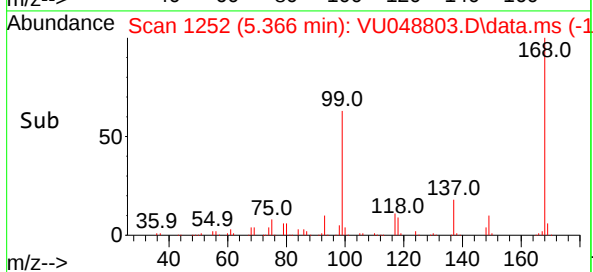
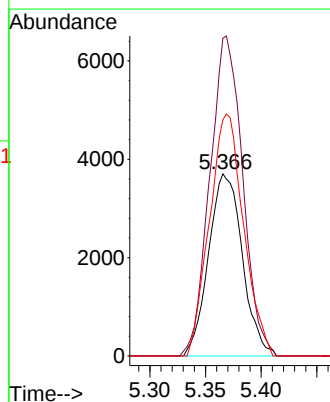
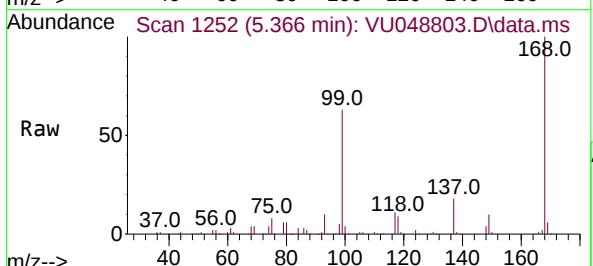
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MSVOA_U
ClientSampleId :
PB145254TB

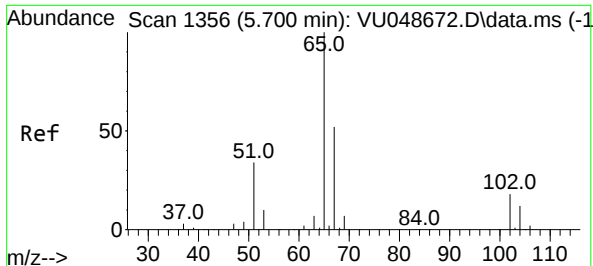
Tgt Ion: 42 Resp: 1515
Ion Ratio Lower Upper
42 100
72 57.4 37.6 56.4#
71 34.7 35.0 52.4#



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.026 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion: 56 Resp: 7801
Ion Ratio Lower Upper
56 100
69 174.4 25.6 38.4#
84 129.7 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 44.857 ug/l

RT: 5.697 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048803.D

Acq: 02 Jun 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

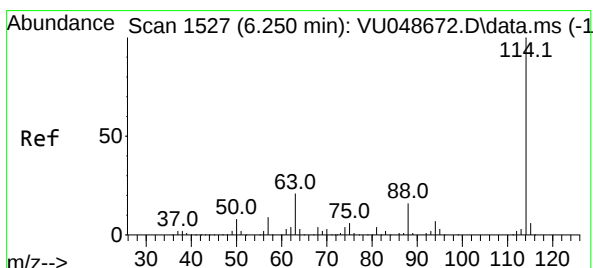
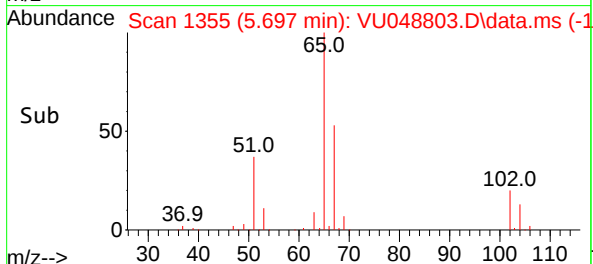
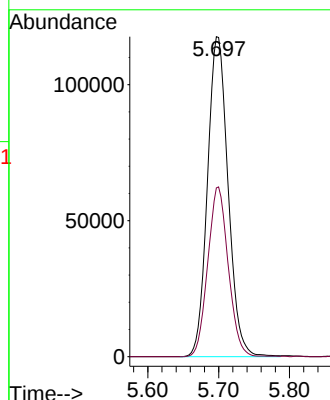
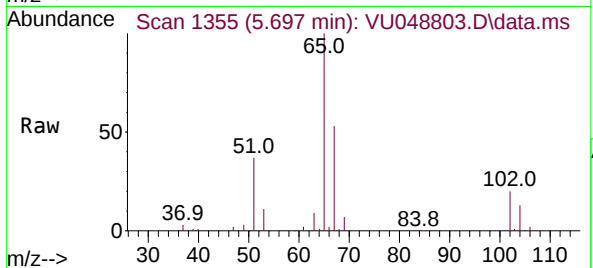
PB145254TB

Tgt Ion: 65 Resp: 237394

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.003 min

Lab File: VU048803.D

Acq: 02 Jun 2022 15:01

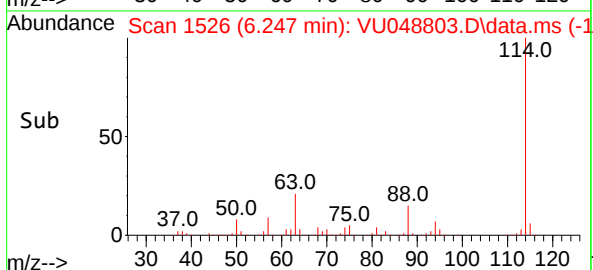
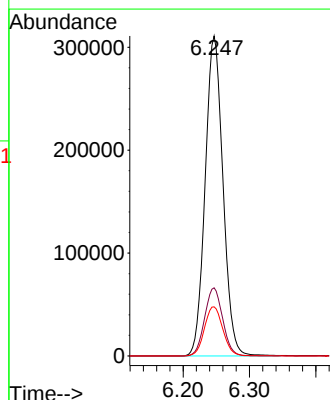
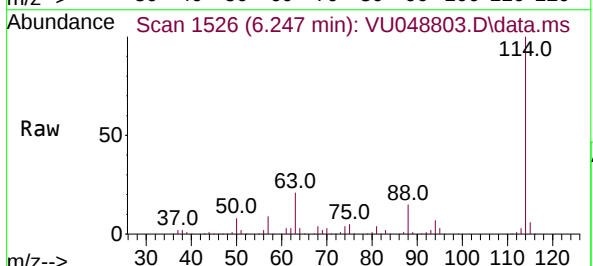
Tgt Ion: 114 Resp: 581130

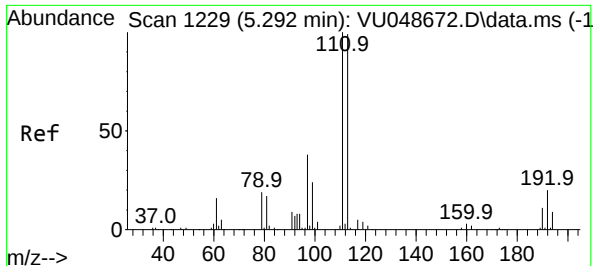
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 15.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 43.293 ug/l

RT: 5.285 min Scan# 11

Delta R.T. -0.007 min

Lab File: VU048803.D

Acq: 02 Jun 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

PB145254TB

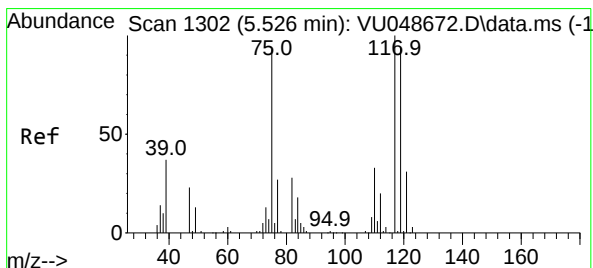
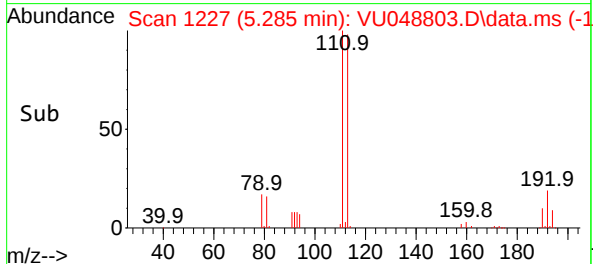
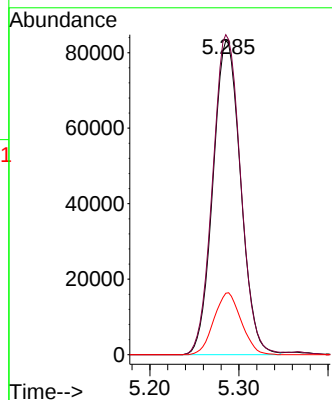
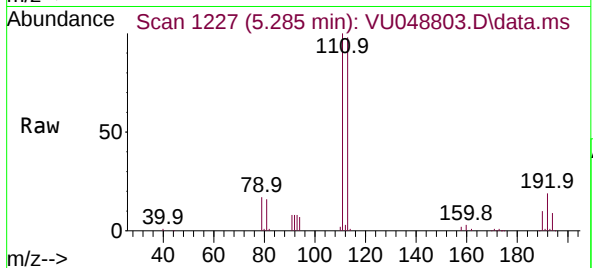
Tgt Ion:113 Resp: 179487

Ion Ratio Lower Upper

113 100

111 103.3 80.7 121.1

192 19.5 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.940 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.158 min

Lab File: VU048803.D

Acq: 02 Jun 2022 15:01

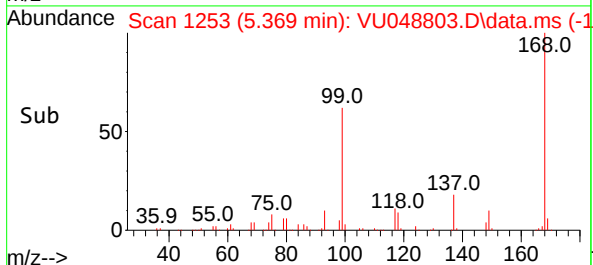
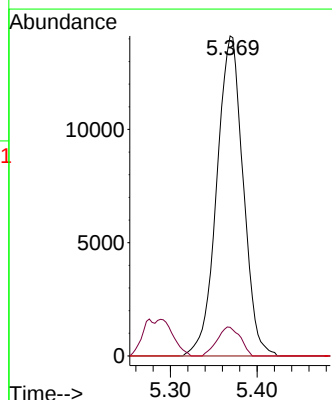
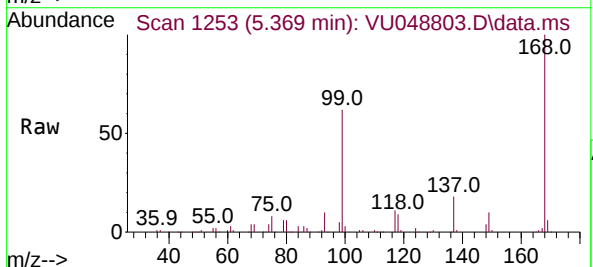
Tgt Ion: 75 Resp: 29894

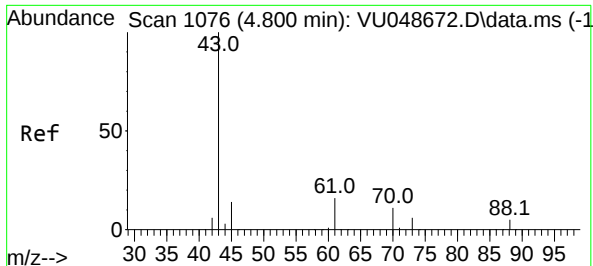
Ion Ratio Lower Upper

75 100

110 7.9 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.193 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. -0.084 min

Lab File: VU048803.D

Acq: 02 Jun 2022 15:01

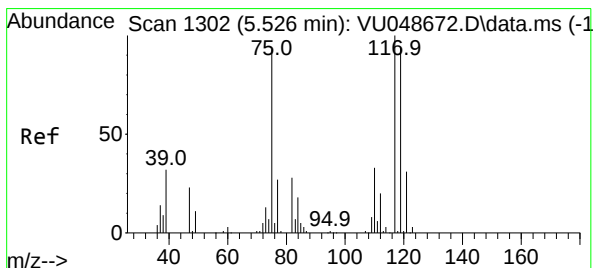
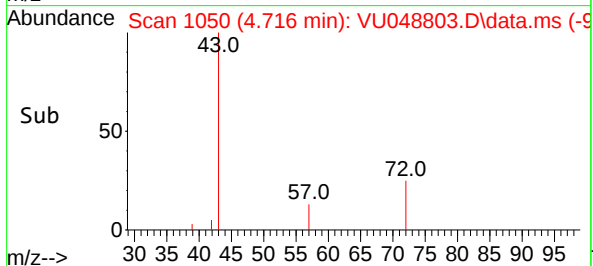
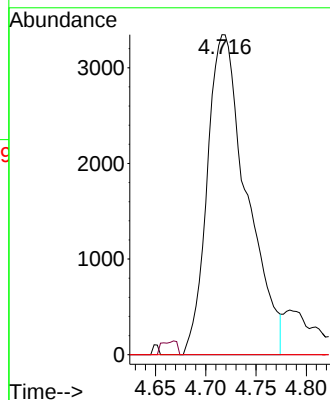
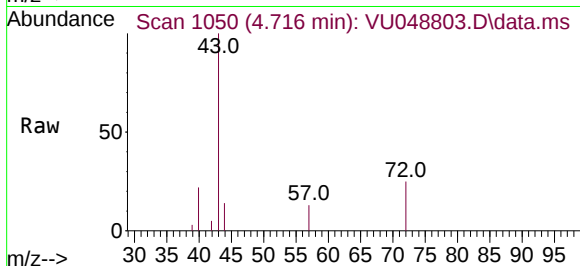
Instrument :

MSVOA_U

ClientSampleId :

PB145254TB

Tgt Ion:	43	Resp:	9122
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	8.4	12.6#



#38

Carbon Tetrachloride

Concen: 5.090 ug/l

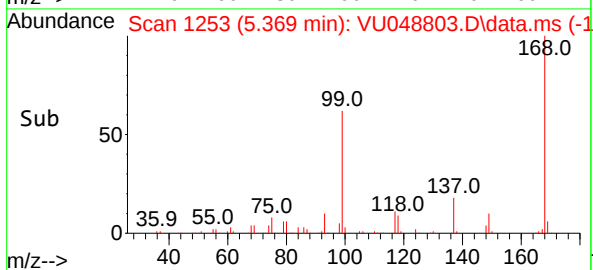
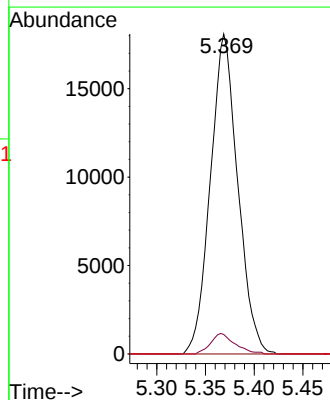
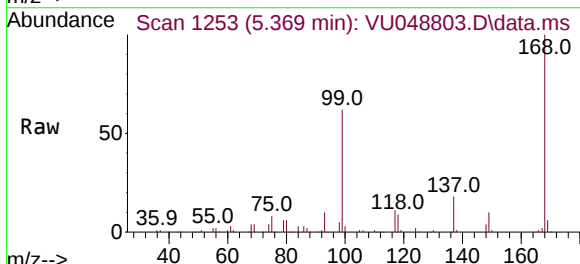
RT: 5.369 min Scan# 1253

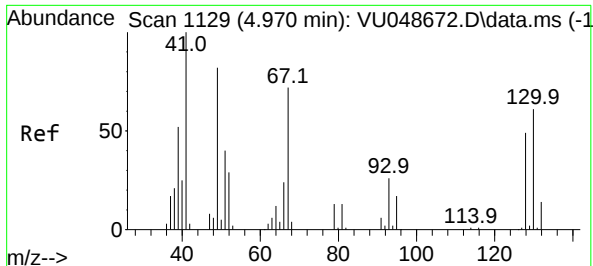
Delta R.T. -0.158 min

Lab File: VU048803.D

Acq: 02 Jun 2022 15:01

Tgt Ion:	117	Resp:	35332
Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.4	113.2#
121	0.0	24.6	36.8#

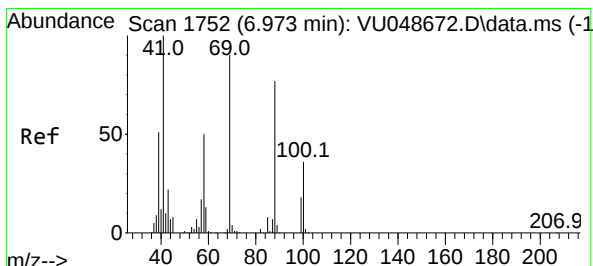
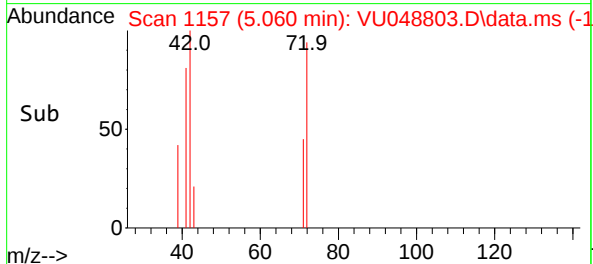
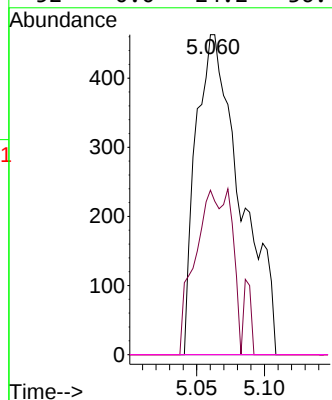
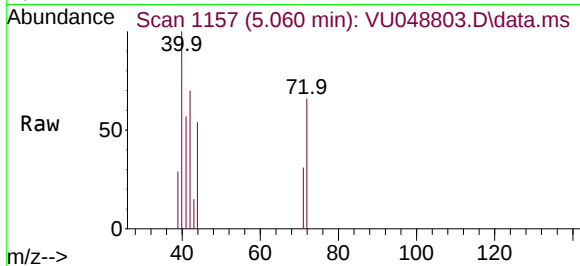




#41
Methacrylonitrile
Concen: 0.276 ug/l
RT: 5.060 min Scan# 1129
Delta R.T. 0.090 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

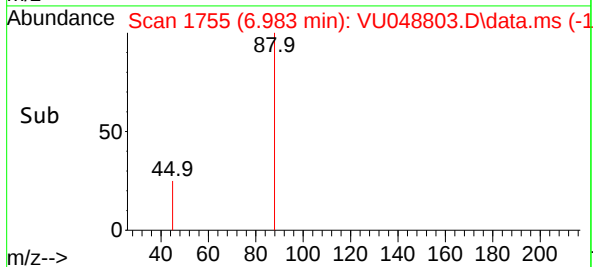
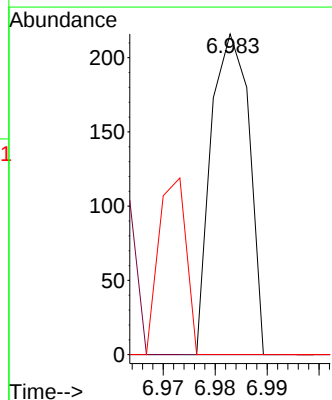
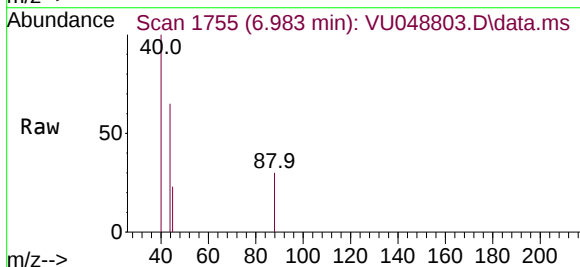
Instrument :
MSVOA_U
ClientSampleId :
PB145254TB

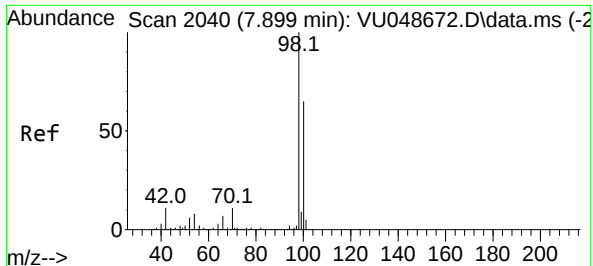
Tgt Ion: 41	Resp:	1065
Ion	Ratio	Lower Upper
41	100	
39	28.5	42.6 64.0#
67	0.0	61.0 91.4#
52	0.0	24.2 36.4#



#49
1,4-Dioxane
Concen: 0.987 ug/l
RT: 6.983 min Scan# 1755
Delta R.T. 0.010 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion: 88	Resp:	110
Ion	Ratio	Lower Upper
88	100	
43	18.2	24.6 36.8#
58	40.0	54.7 82.1#

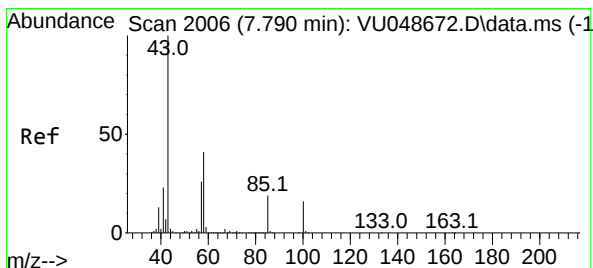
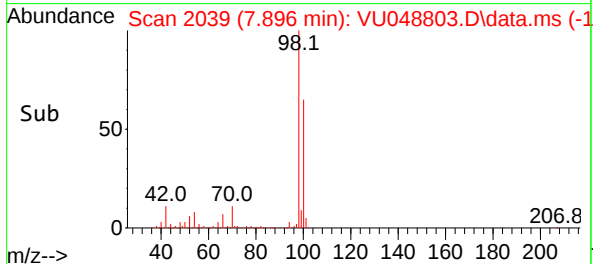
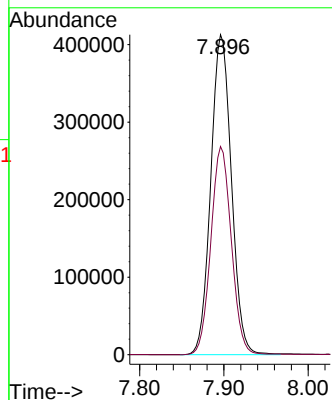
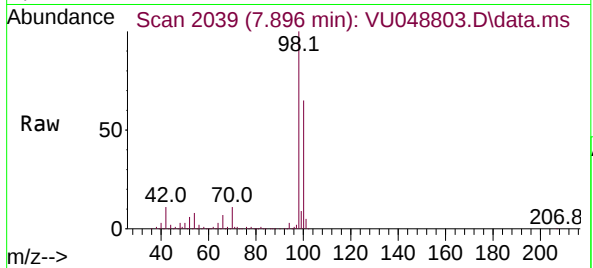




#50
Toluene-d8
Concen: 47.265 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

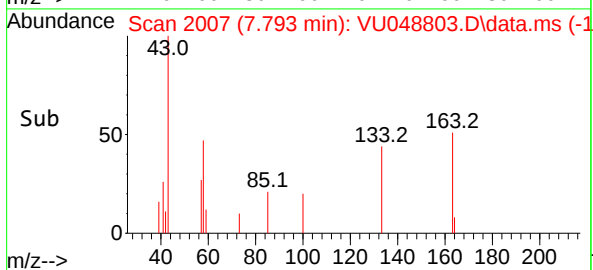
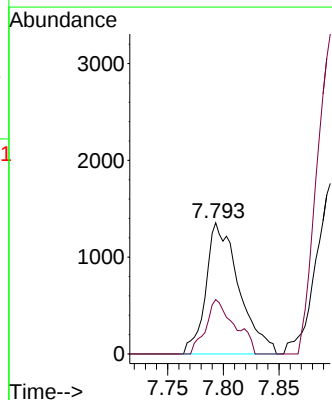
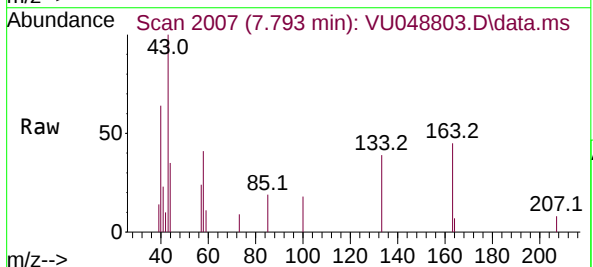
Instrument :
MSVOA_U
ClientSampleId :
PB145254TB

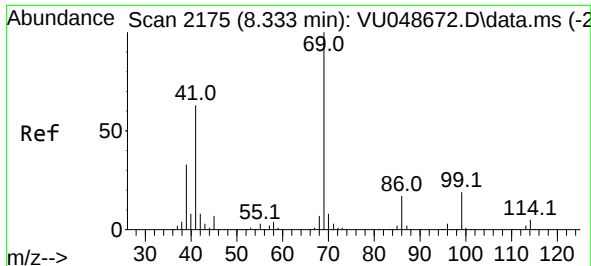
Tgt Ion: 98 Resp: 702440
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.388 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion: 43 Resp: 2799
Ion Ratio Lower Upper
43 100
58 35.9 32.7 49.1

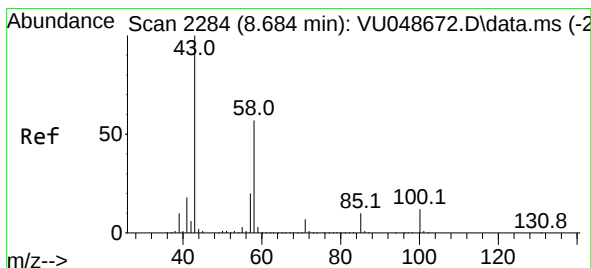
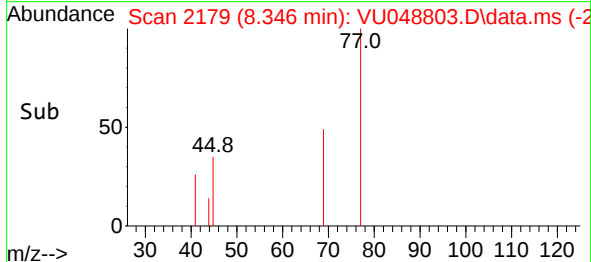
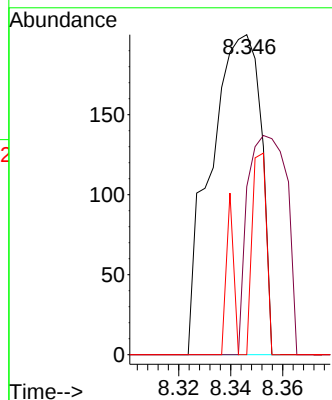
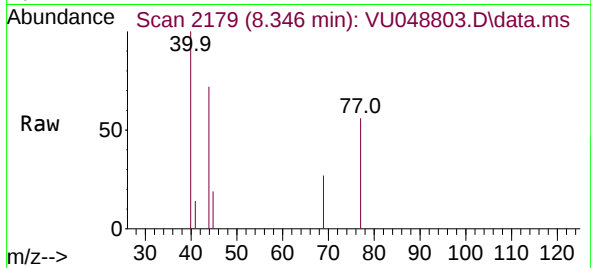




#56
Ethyl methacrylate
Concen: 2.647 ug/l
RT: 8.346 min Scan# 2175
Delta R.T. 0.013 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

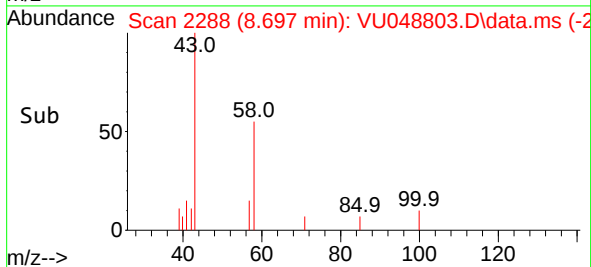
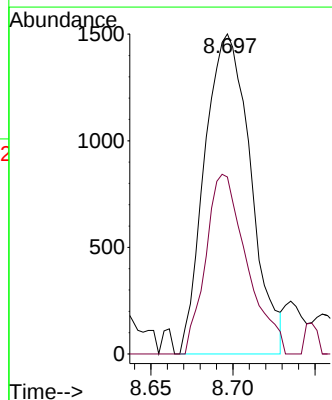
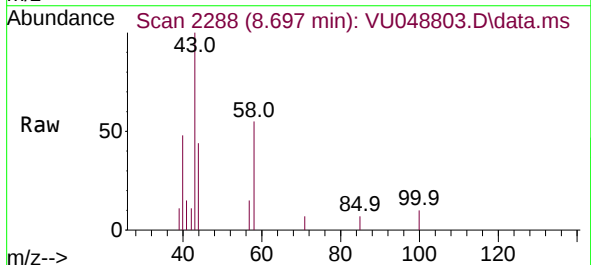
Instrument :
MSVOA_U
ClientSampleId :
PB145254TB

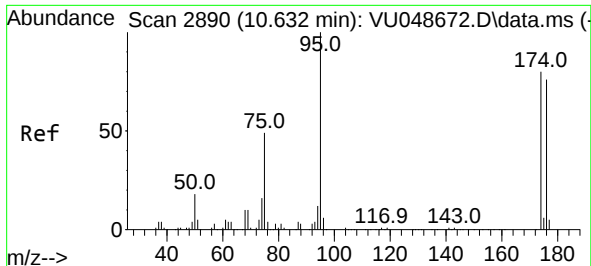
Tgt Ion: 69 Resp: 268
Ion Ratio Lower Upper
69 100
41 53.4 50.6 76.0
39 17.9 26.6 40.0



#59
2-Hexanone
Concen: 0.494 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.013 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion: 43 Resp: 2922
Ion Ratio Lower Upper
43 100
58 50.2 28.2 84.6

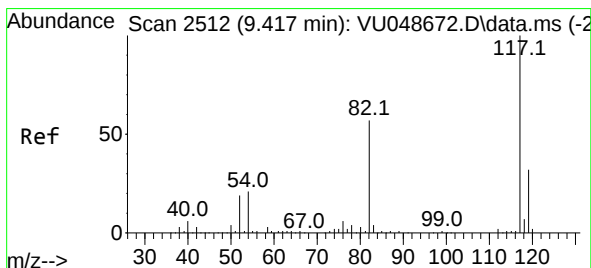
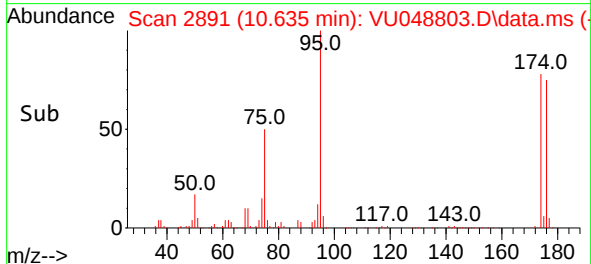
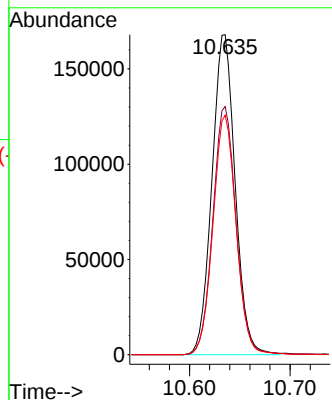
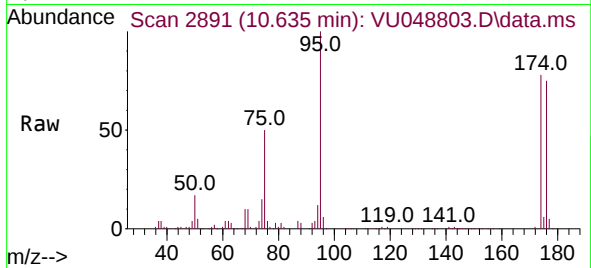




#62
4-Bromofluorobenzene
Concen: 47.961 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

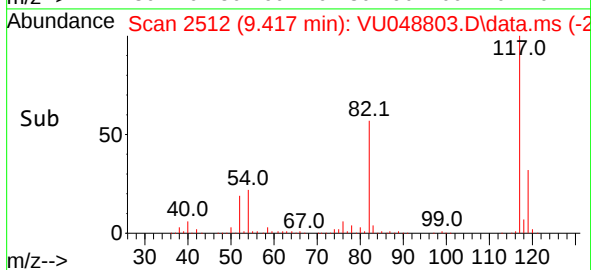
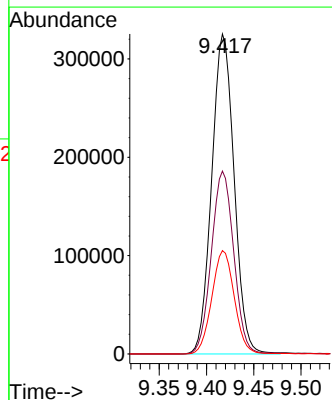
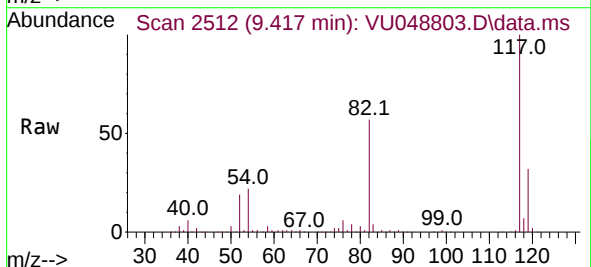
Instrument :
MSVOA_U
ClientSampleId :
PB145254TB

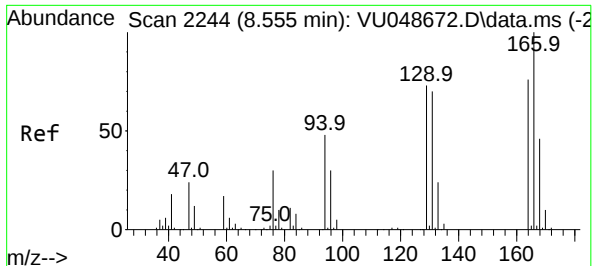
Tgt Ion: 95 Resp: 269565
Ion Ratio Lower Upper
95 100
174 77.5 0.0 159.4
176 74.6 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion: 117 Resp: 536442
Ion Ratio Lower Upper
117 100
82 57.1 45.3 67.9
119 32.3 25.4 38.2

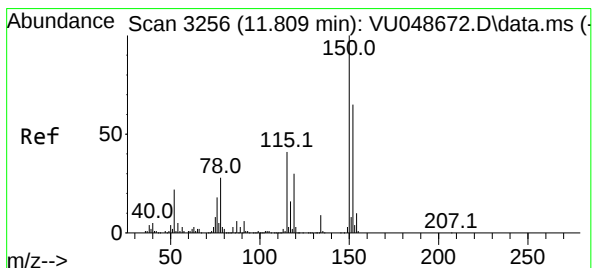
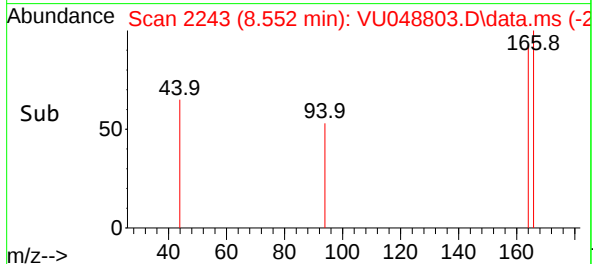
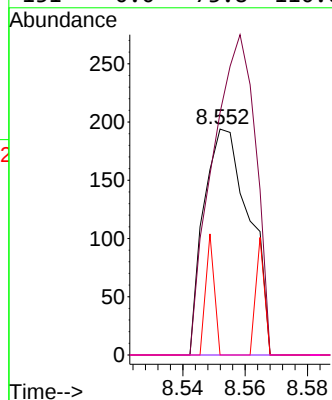
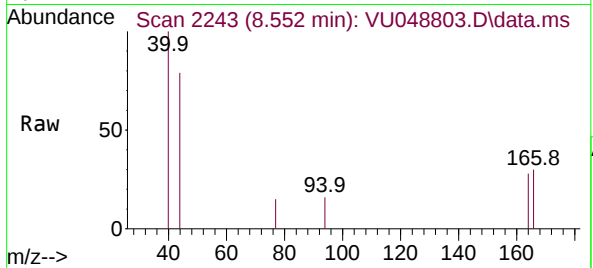




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

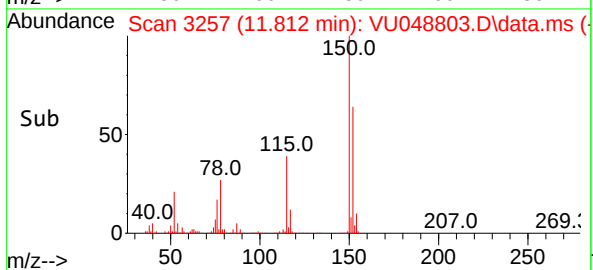
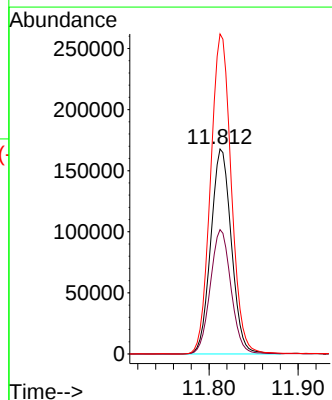
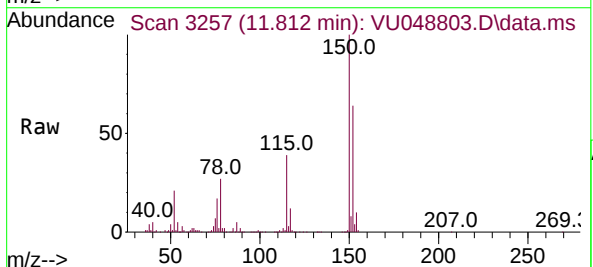
Instrument :
MSVOA_U
ClientSampleId :
PB145254TB

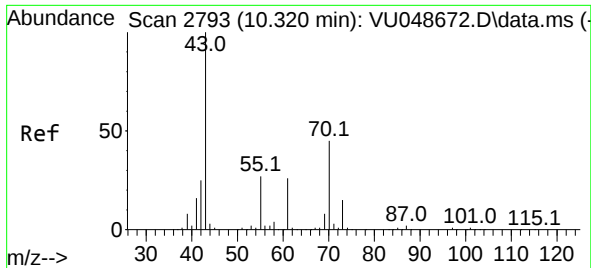
Tgt Ion:164 Resp: 196
Ion Ratio Lower Upper
164 100
166 107.2 105.0 157.4
129 0.0 76.5 114.7#
131 0.0 73.8 110.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion:152 Resp: 269816
Ion Ratio Lower Upper
152 100
115 60.6 41.8 125.4
150 157.2 0.0 341.0

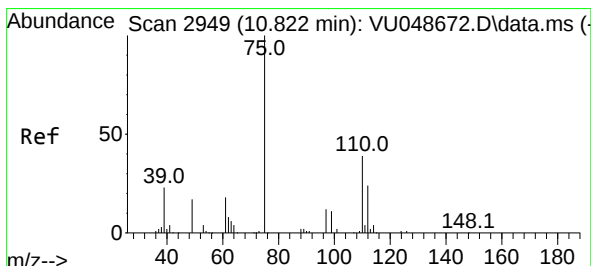
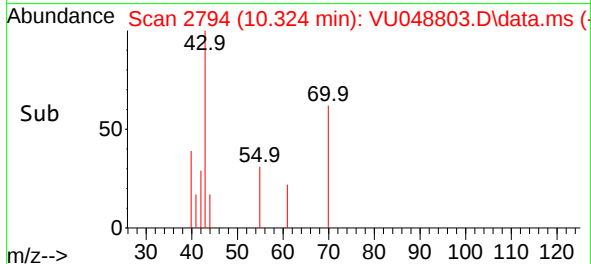
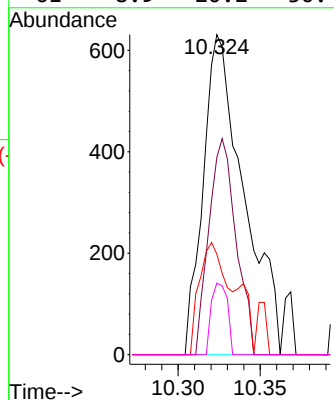
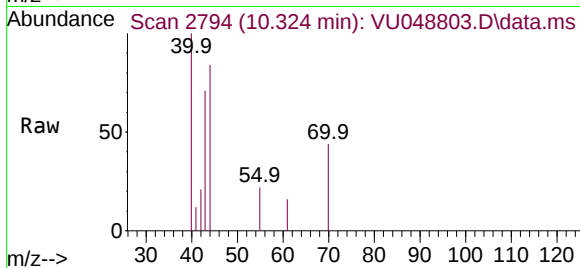




#74
N-amy1 acetate
Concen: 2.584 ug/l
RT: 10.324 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

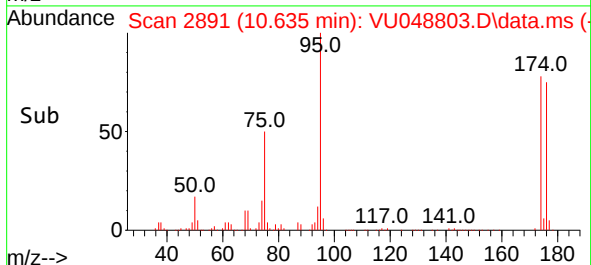
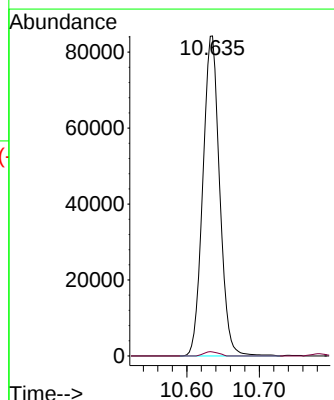
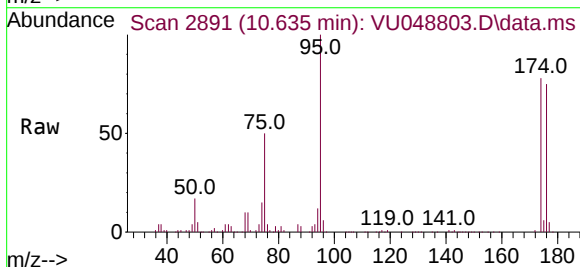
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ClientSampleId :
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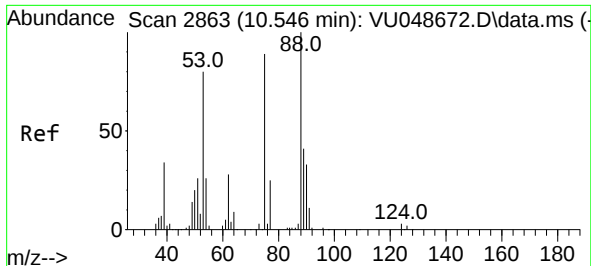
Tgt Ion: 43	Resp: 1084
Ion Ratio	Lower Upper
43 100	
70 45.2	35.8 53.6
55 23.3	21.1 31.7
61 8.9	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 15.596 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.187 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion: 75	Resp: 135676
Ion Ratio	Lower Upper
75 100	
77 1.2	14.8 44.3#

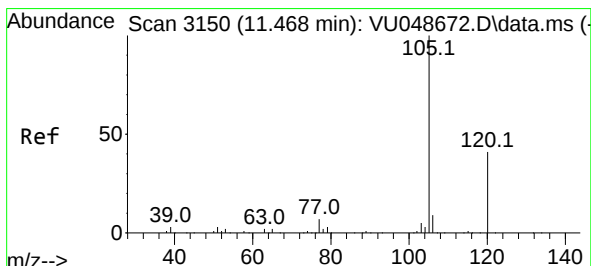
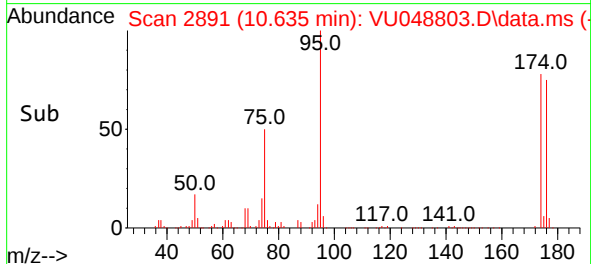
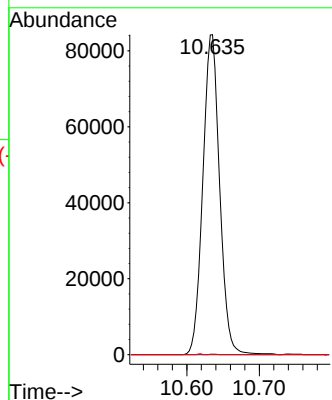
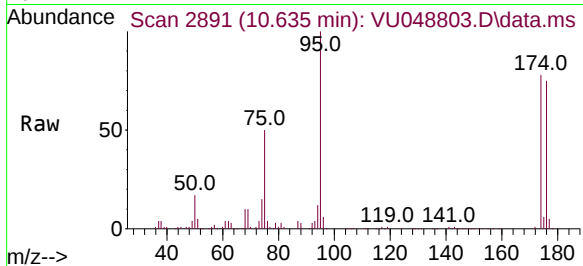




#81
trans-1,4-Dichloro-2-butene
Concen: 56.626 ug/l
RT: 10.635 min Scan# 2863
Delta R.T. 0.090 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

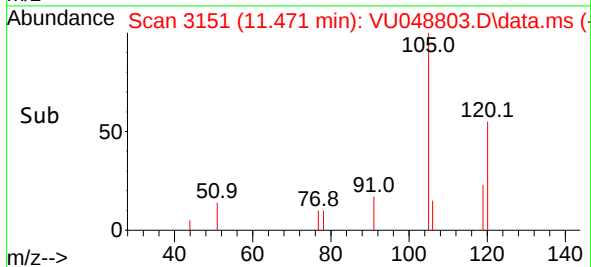
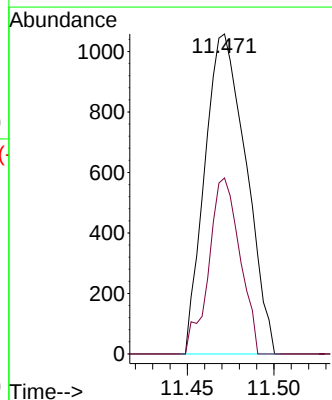
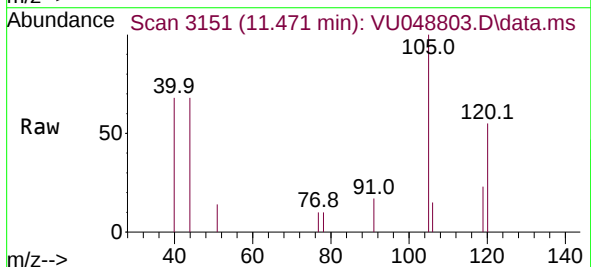
Instrument :
MSVOA_U
ClientSampleId :
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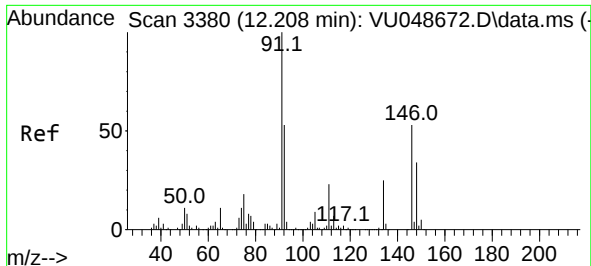
Tgt Ion: 75 Resp: 135676
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.292 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion: 105 Resp: 1750
Ion Ratio Lower Upper
105 100
120 41.4 22.5 67.5

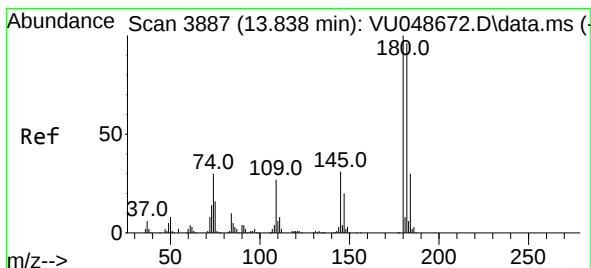
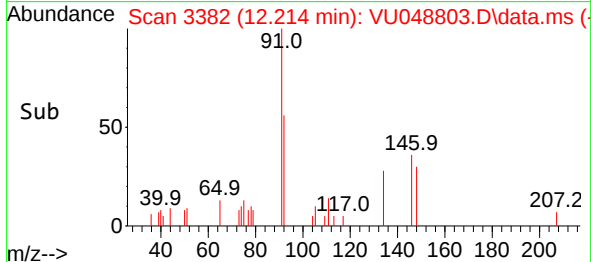
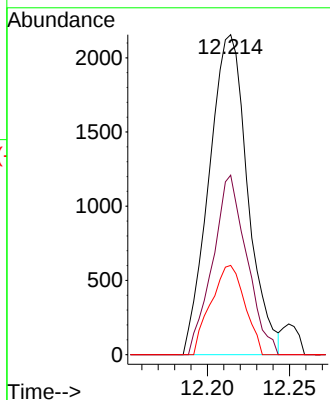
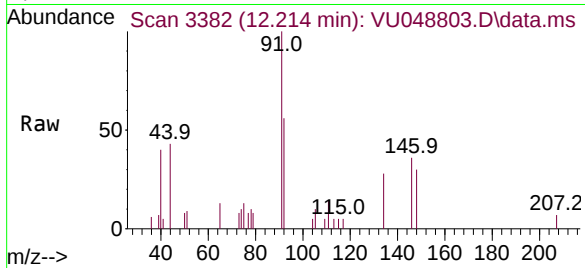




#89
n-Butylbenzene
Concen: 2.401 ug/l
RT: 12.214 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

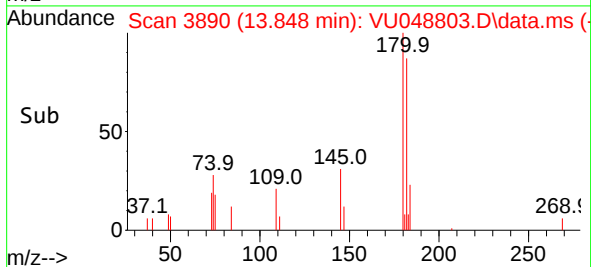
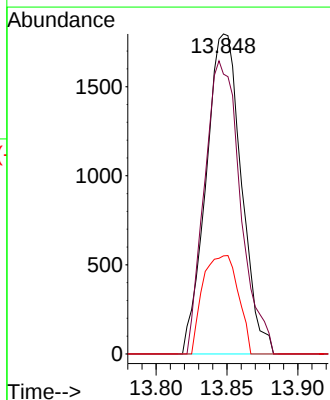
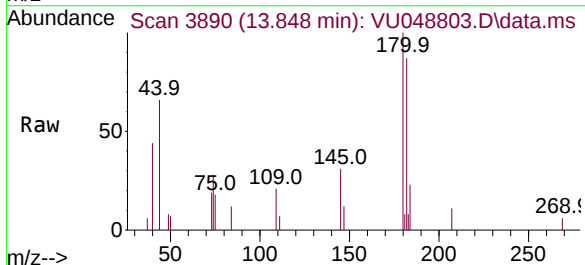
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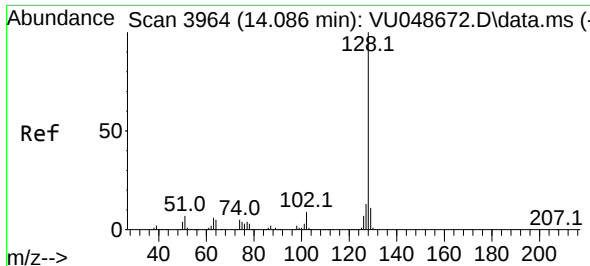
Tgt Ion: 91 Resp: 3525
Ion Ratio Lower Upper
91 100
92 49.3 25.9 77.8
134 24.4 12.5 37.5



#93
1,2,4-Trichlorobenzene
Concen: 0.513 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion:180 Resp: 3122
Ion Ratio Lower Upper
180 100
182 92.8 48.3 144.9
145 30.5 15.6 46.7

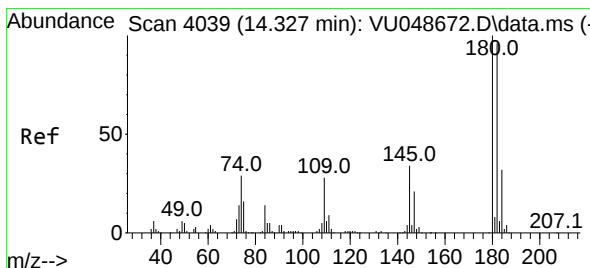
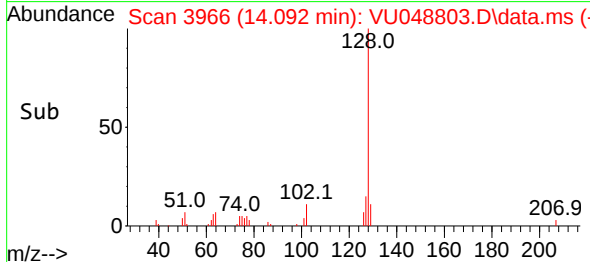
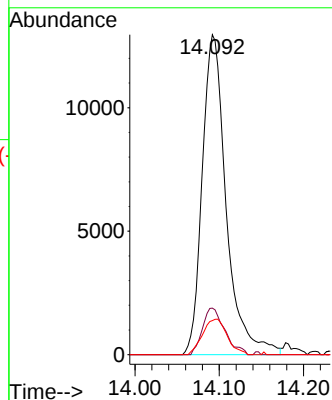
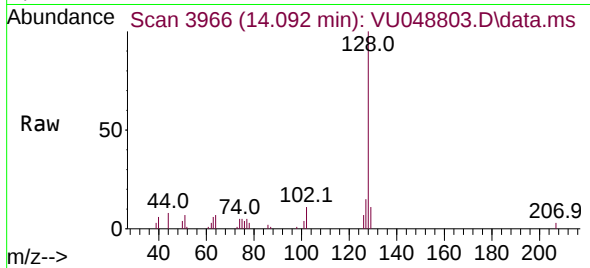




#95
Naphthalene
Concen: 3.682 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Instrument :
MSVOA_U
ClientSampleId :
PB145254TB

Tgt Ion:128 Resp: 25706
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.663 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.006 min
Lab File: VU048803.D
Acq: 02 Jun 2022 15:01

Tgt Ion:180 Resp: 3993
Ion Ratio Lower Upper
180 100
182 92.1 47.4 142.2
145 30.7 16.6 49.8

