

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060322\
 Data File : VU048853.D
 Acq On : 03 Jun 2022 13:31
 Operator : SY/MD
 Sample : PB145281TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB145281TB

Quant Time: Jun 04 04:36:17 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)

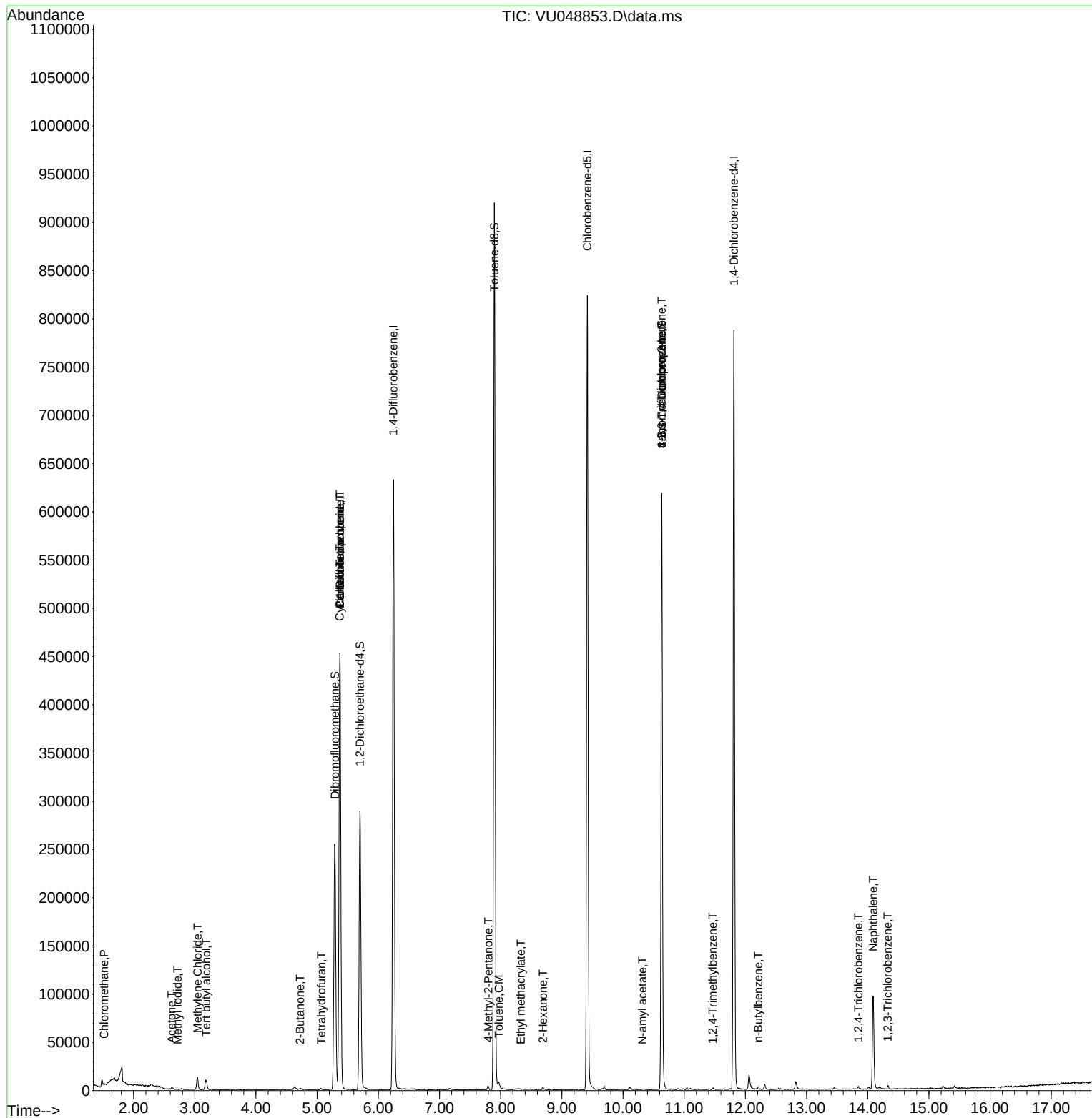
Internal Standards						
1) Pentafluorobenzene	5.372	168	306073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	505738	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	449821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	210885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	220439	47.957	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.920%		
35) Dibromofluoromethane	5.288	113	168678	46.750	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.500%		
50) Toluene-d8	7.896	98	609107	47.095	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.200%		
62) 4-Bromofluorobenzene	10.632	95	207758	42.475	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.940%		
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	912	0.202	ug/l #	78
5) Bromomethane	1.832	94	100	Below Cal	#	52
6) Chloroethane	1.964	64	270	Below Cal	#	43
10) Methyl Iodide	2.716	142	20	3.008	ug/l #	37
11) Tert butyl alcohol	3.186	59	6262	5.373	ug/l #	30
13) Acrolein	2.481	56	95	Below Cal	#	14
16) Acetone	2.620	43	2207	0.942	ug/l #	86
20) Methylene Chloride	3.044	84	5580	1.401	ug/l #	92
25) 2-Butanone	4.719	43	2382	0.708	ug/l #	49
29) Tetrahydrofuran	5.070	42	916	0.432	ug/l #	63
31) Cyclohexane	5.369	56	6650	1.148	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	25462	4.835	ug/l #	49
38) Carbon Tetrachloride	5.372	117	32853	5.438	ug/l #	16
51) 4-Methyl-2-Pentanone	7.800	43	2262	0.361	ug/l	90
52) Toluene	7.970	92	2030	0.218	ug/l	92
56) Ethyl methacrylate	8.330	69	123	2.631	ug/l #	79
59) 2-Hexanone	8.690	43	1996	0.388	ug/l	92
74) N-amyl acetate	10.317	43	259	2.503	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	107348	15.788	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	107348	57.323	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	1215	1.280	ug/l	83
89) n-Butylbenzene	12.211	91	1251	2.283	ug/l	88
93) 1,2,4-Trichlorobenzene	13.844	180	1194	0.251	ug/l #	80
95) Naphthalene	14.089	128	82126	7.230	ug/l	99
96) 1,2,3-Trichlorobenzene	14.327	180	1243	0.264	ug/l	92

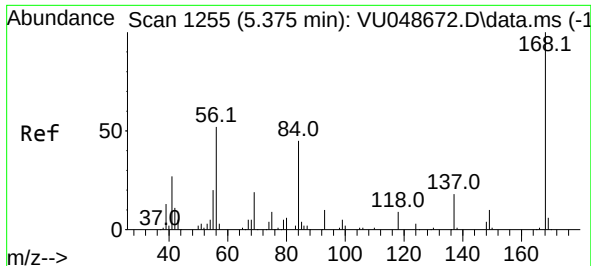
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

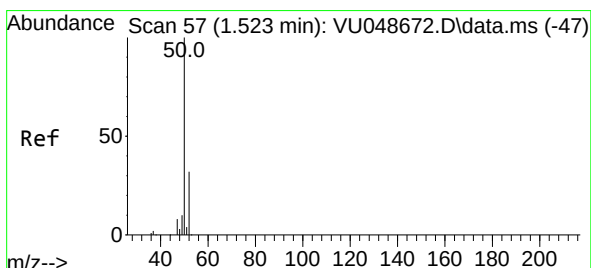
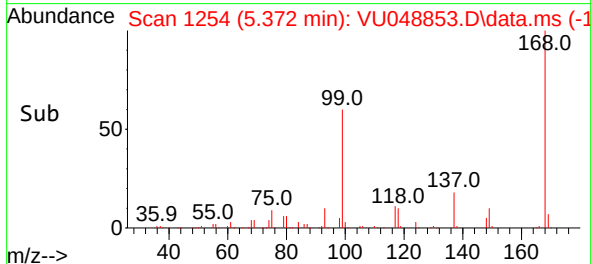
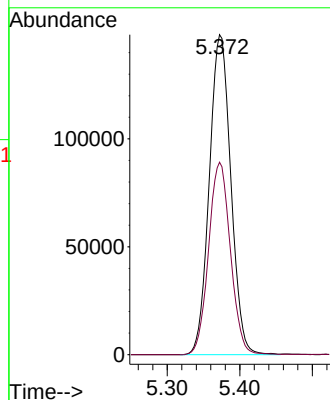
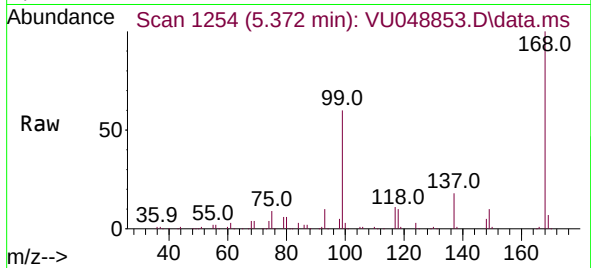




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

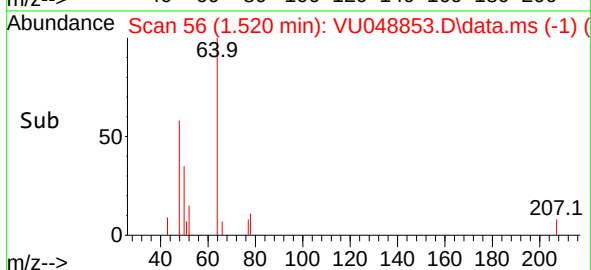
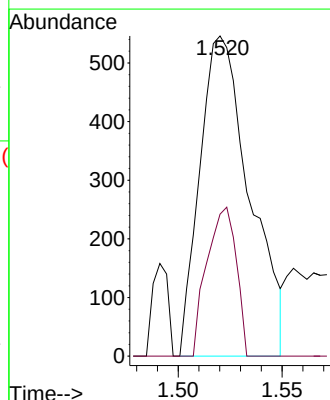
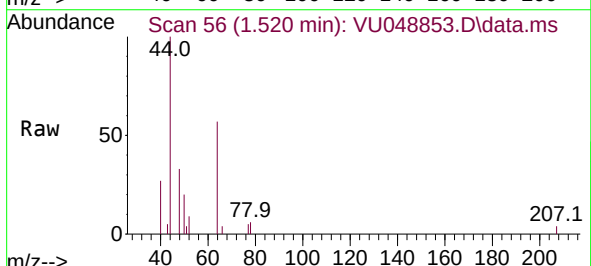
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

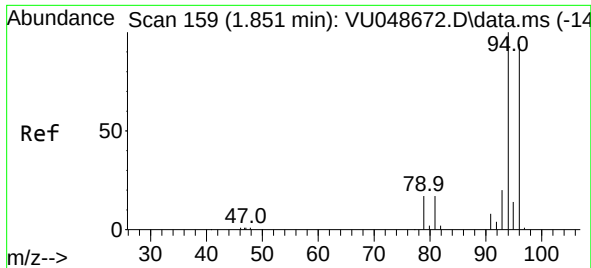
Tgt Ion:168 Resp: 306073
Ion Ratio Lower Upper
168 100
99 60.1 49.3 73.9



#3
Chloromethane
Concen: 0.202 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 50 Resp: 912
Ion Ratio Lower Upper
50 100
52 44.3 25.7 38.5#

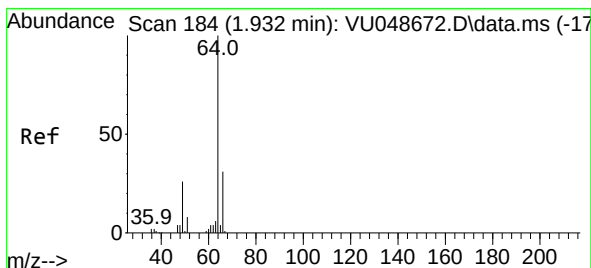
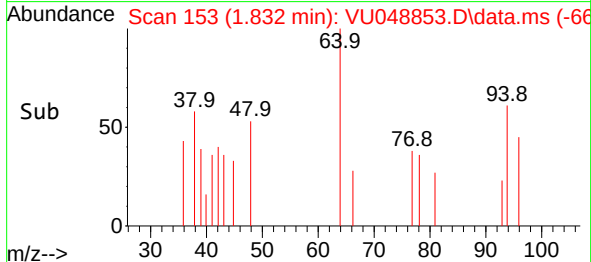
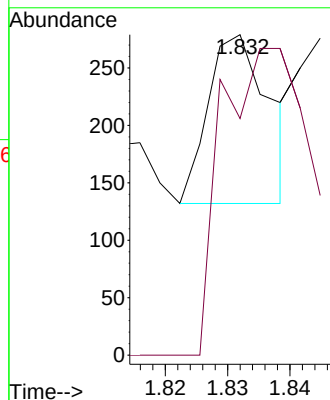
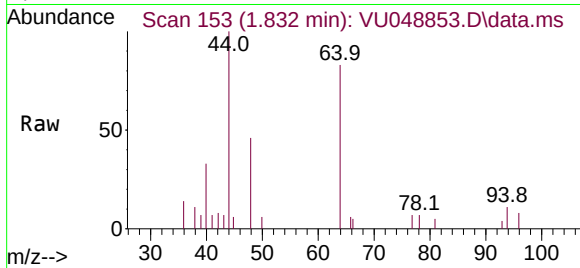




#5
Bromomethane
Concen: Below Cal
RT: 1.832 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

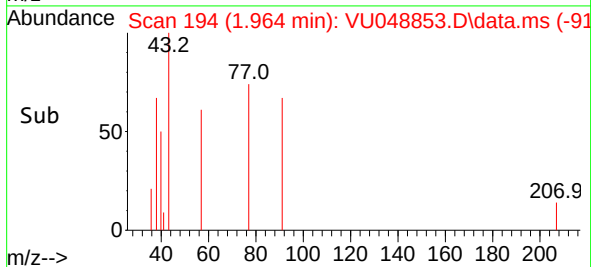
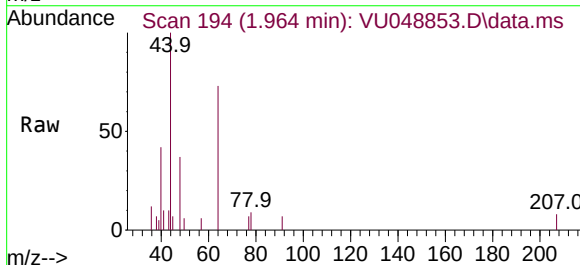
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

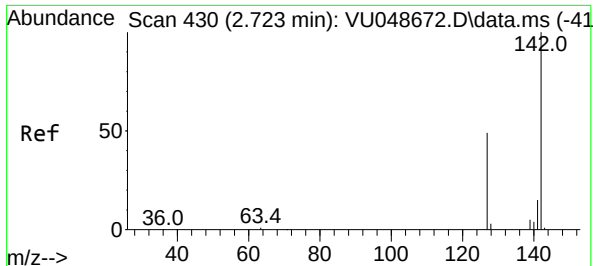
Tgt Ion: 94 Resp: 100
Ion Ratio Lower Upper
94 100
96 140.1 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.964 min Scan# 194
Delta R.T. 0.032 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 64 Resp: 270
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

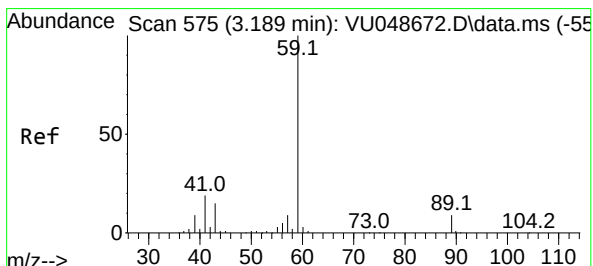
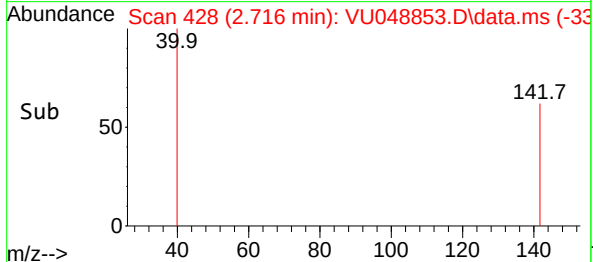
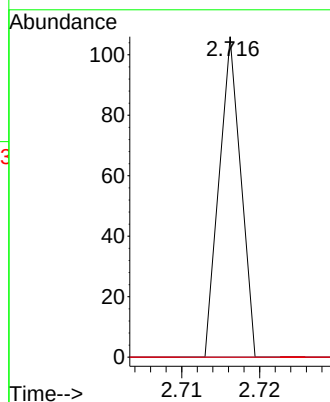
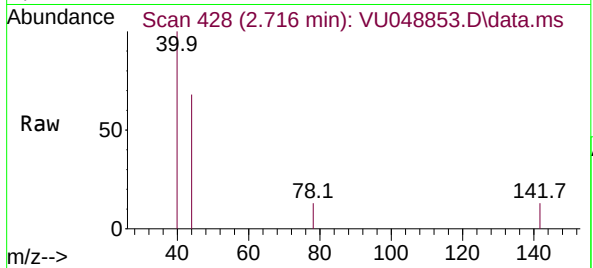




#10
Methyl Iodide
Concen: 3.008 ug/l
RT: 2.716 min Scan# 41
Delta R.T. -0.007 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

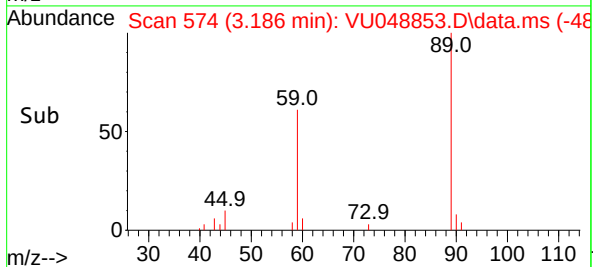
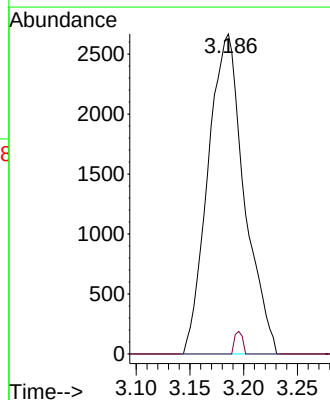
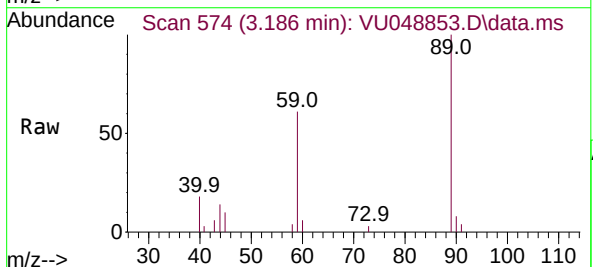
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

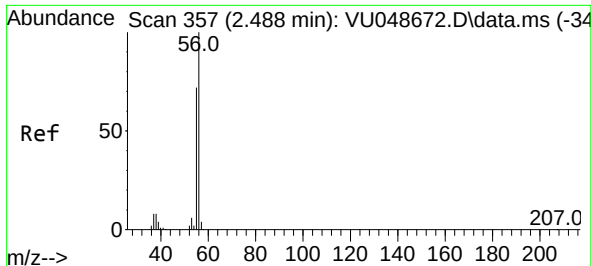
Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 5.373 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 59 Resp: 6262
Ion Ratio Lower Upper
59 100
57 1.5 39.7 59.5#

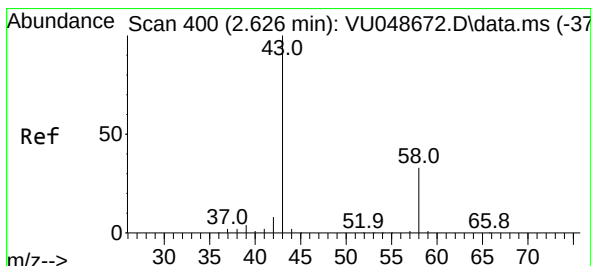
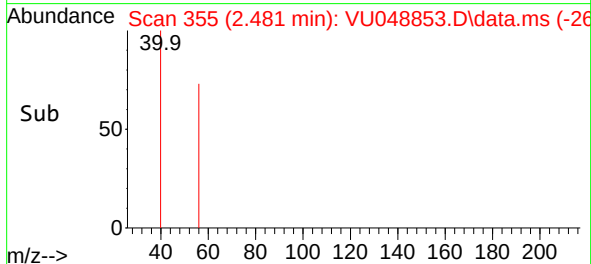
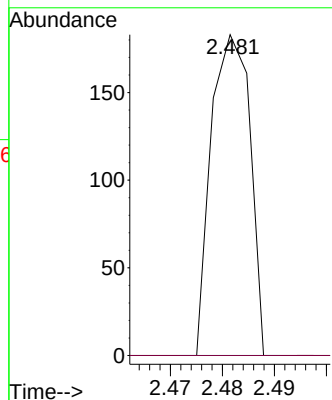
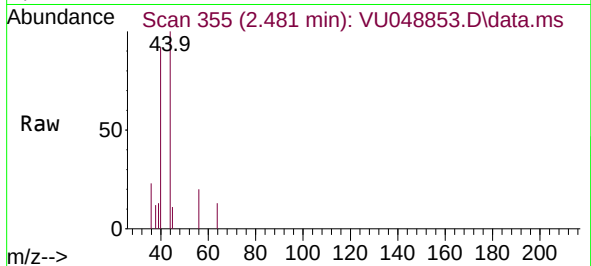




#13
Acrolein
Concen: Below Cal
RT: 2.481 min Scan# 311
Delta R.T. -0.007 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

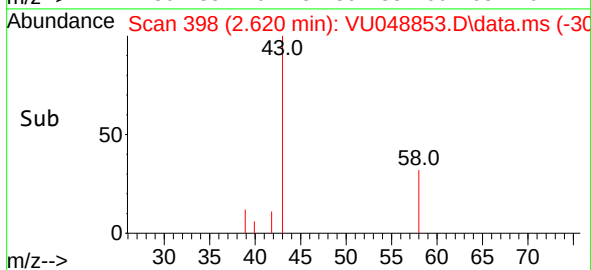
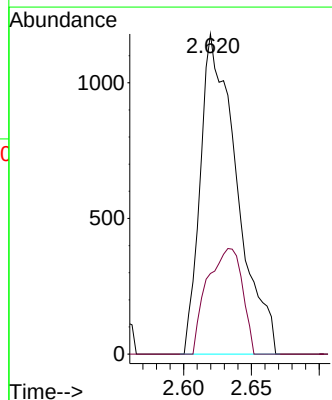
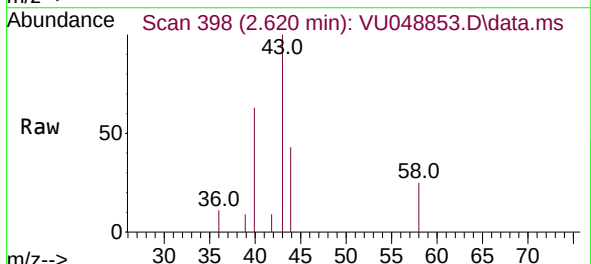
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

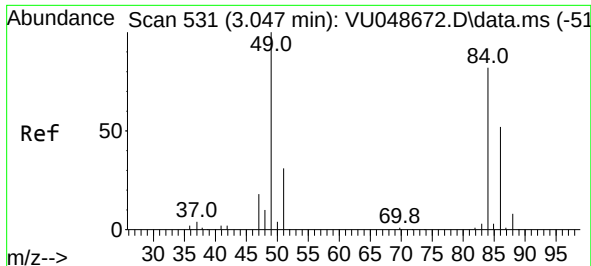
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#16
Acetone
Concen: 0.942 ug/l
RT: 2.620 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
58 25.2 26.3 39.5#

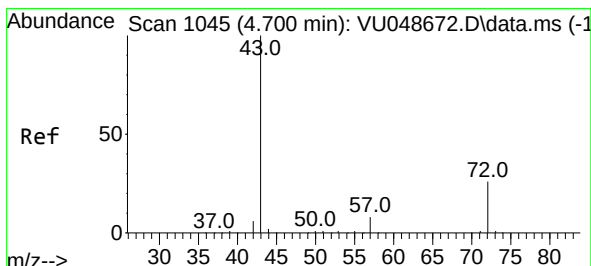
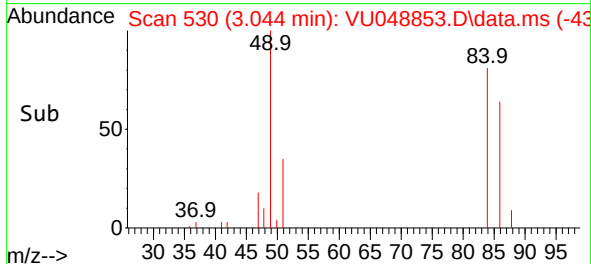
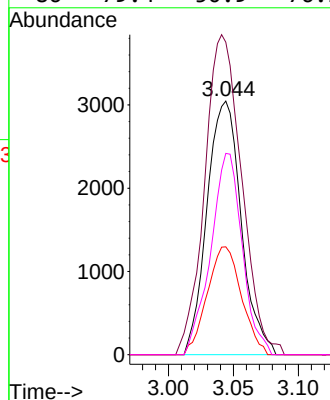
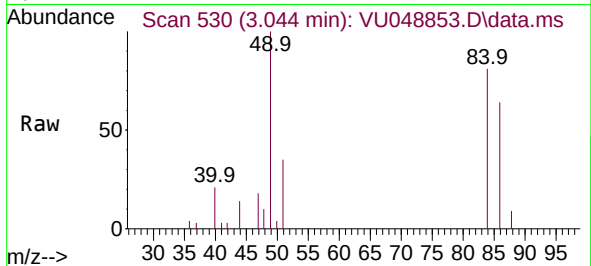




#20
Methylene Chloride
Concen: 1.401 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

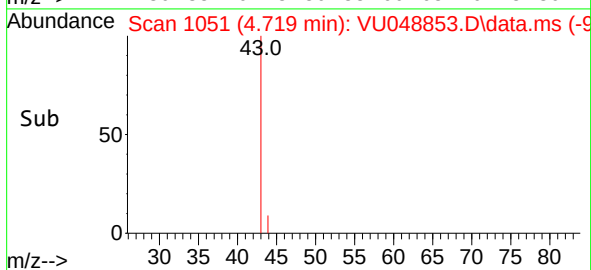
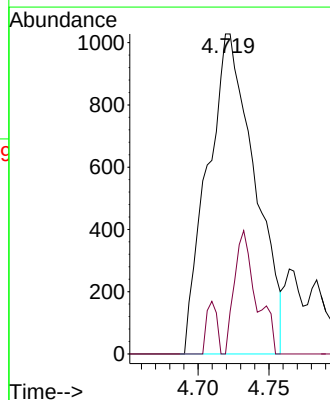
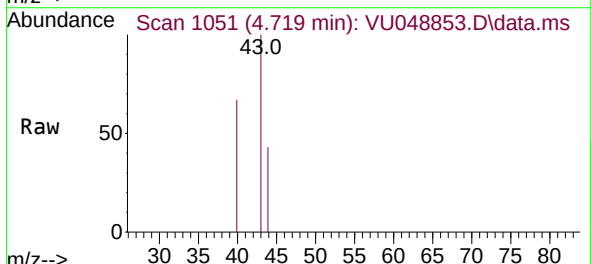
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MSVOA_U
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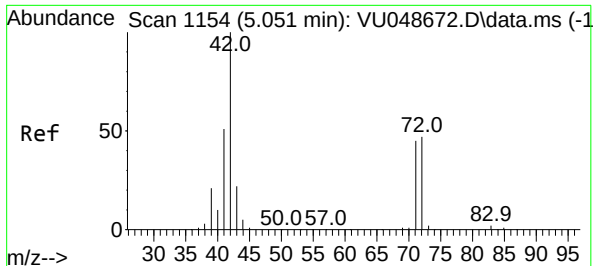
Tgt Ion: 84	Resp: 5580
Ion Ratio	Lower Upper
84 100	
49 119.3	97.0 145.4
51 42.5	29.8 44.8
86 79.4	50.9 76.3#



#25
2-Butanone
Concen: 0.708 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 43	Resp: 2382
Ion Ratio	Lower Upper
43 100	
72 0.0	21.1 31.7#

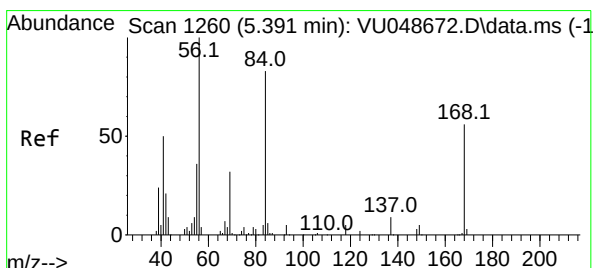
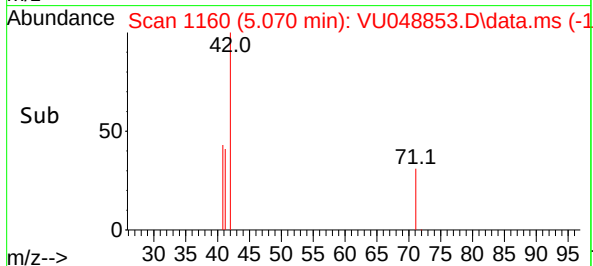
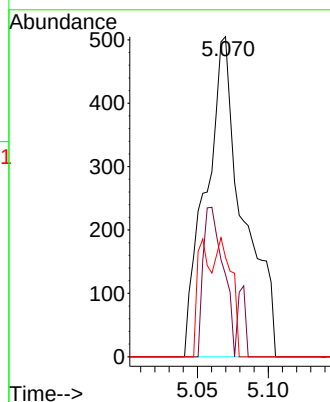
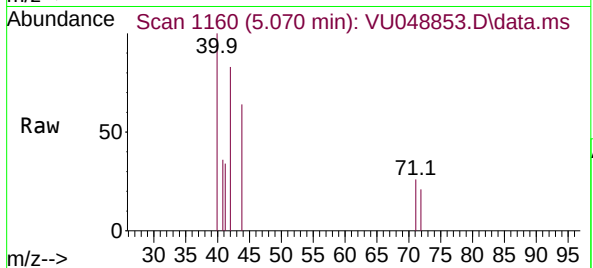




#29
Tetrahydrofuran
Concen: 0.432 ug/l
RT: 5.070 min Scan# 1154
Delta R.T. 0.019 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

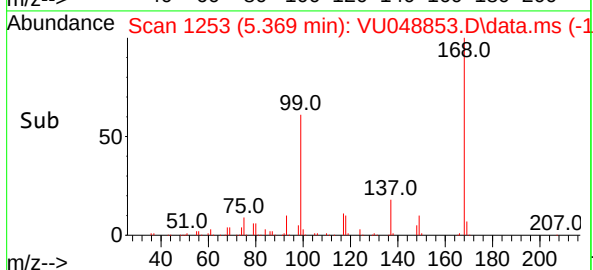
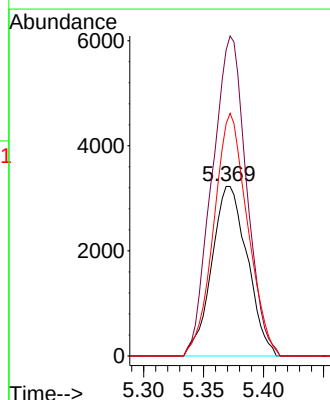
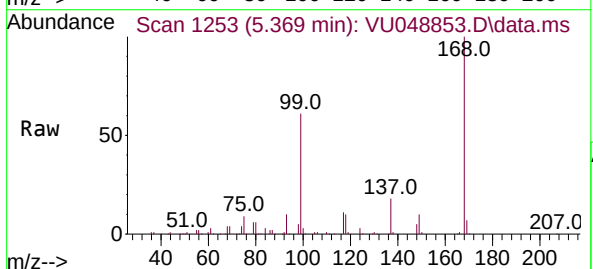
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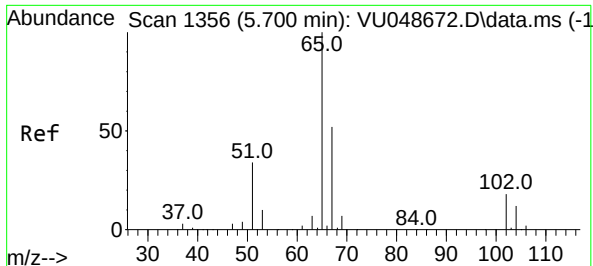
Tgt Ion:	42	Resp:	916
Ion	Ratio	Lower	Upper
42	100		
72	25.3	37.6	56.4#
71	16.3	35.0	52.4#



#31
Cyclohexane
Concen: 1.148 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion:	56	Resp:	6650
Ion	Ratio	Lower	Upper
56	100		
69	180.3	25.6	38.4#
84	136.9	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 47.957 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048853.D

Acq: 03 Jun 2022 13:31

Instrument :

MSVOA_U

ClientSampleId :

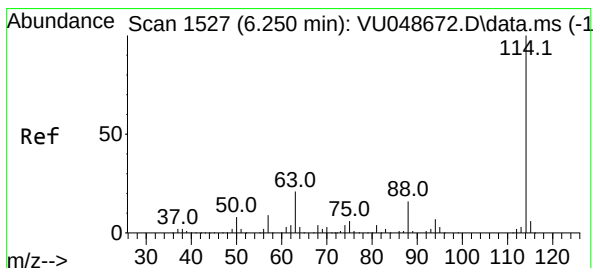
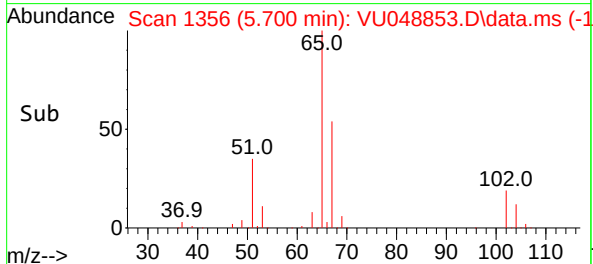
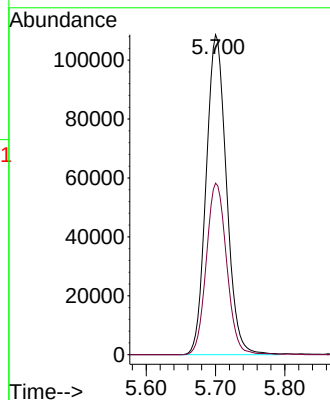
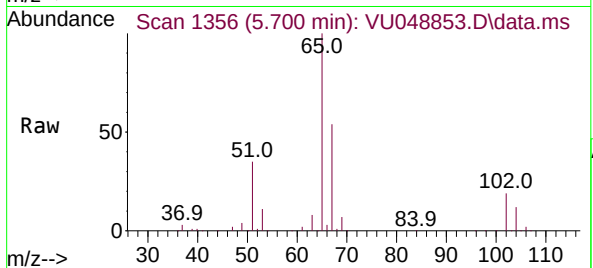
PB145281TB

Tgt Ion: 65 Resp: 220439

Ion Ratio Lower Upper

65 100

67 53.8 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: VU048853.D

Acq: 03 Jun 2022 13:31

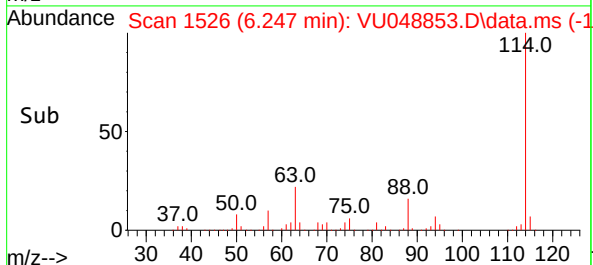
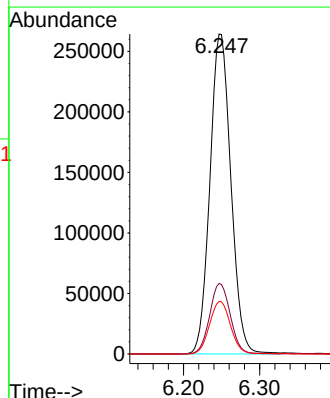
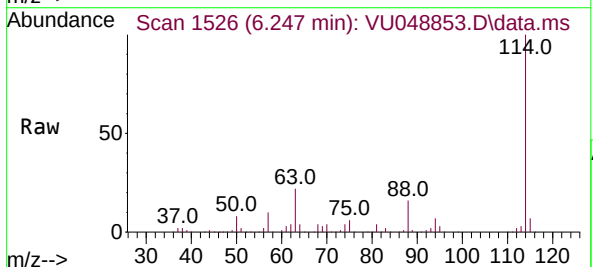
Tgt Ion: 114 Resp: 505738

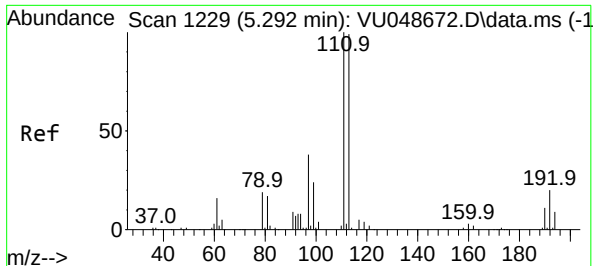
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.6

88 16.4 0.0 32.2

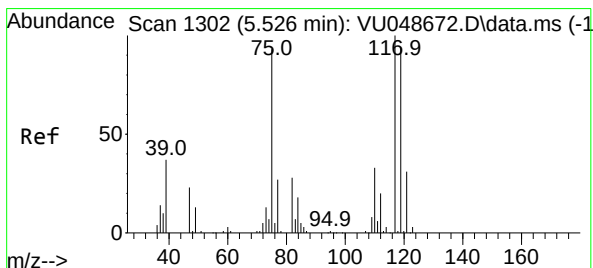
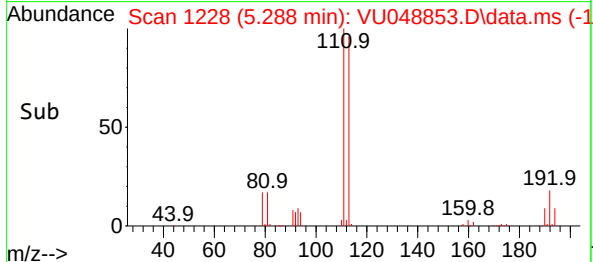
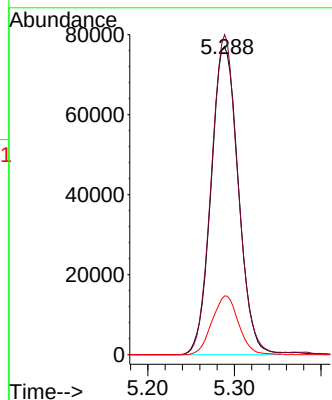
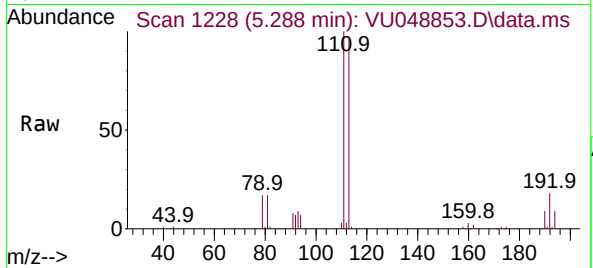




#35
Dibromofluoromethane
Concen: 46.750 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

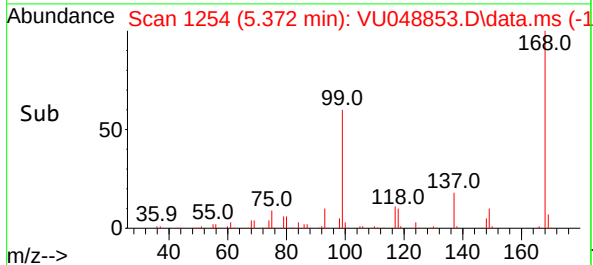
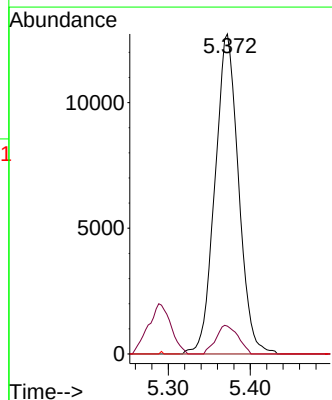
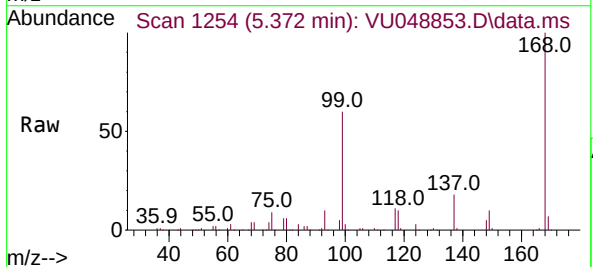
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

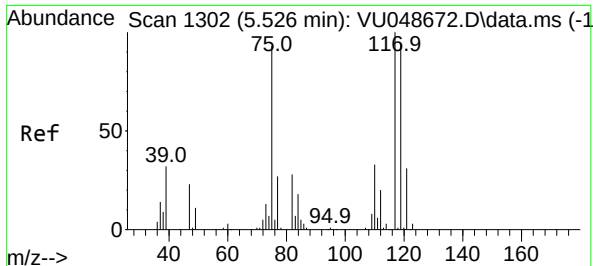
Tgt Ion:113 Resp: 168678
Ion Ratio Lower Upper
113 100
111 101.5 80.7 121.1
192 18.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

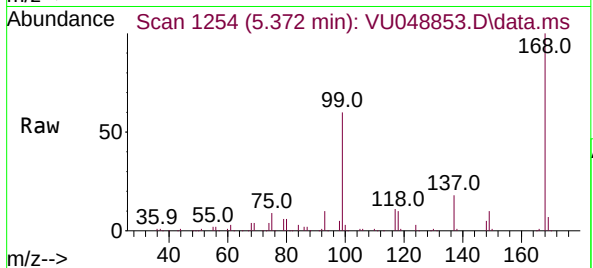
Tgt Ion: 75 Resp: 25462
Ion Ratio Lower Upper
75 100
110 8.4 17.4 52.3#
77 0.0 24.8 37.2#



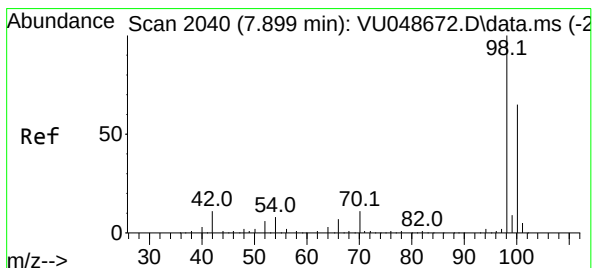
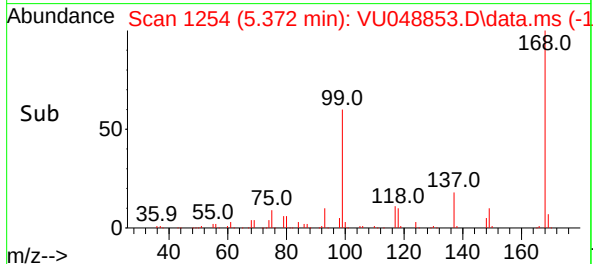
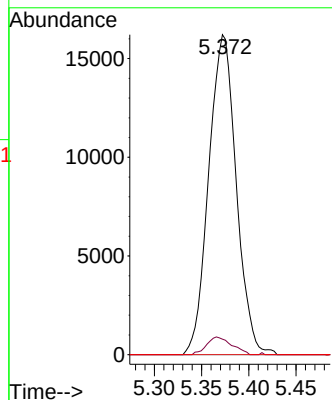


#38
Carbon Tetrachloride
Concen: 5.438 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

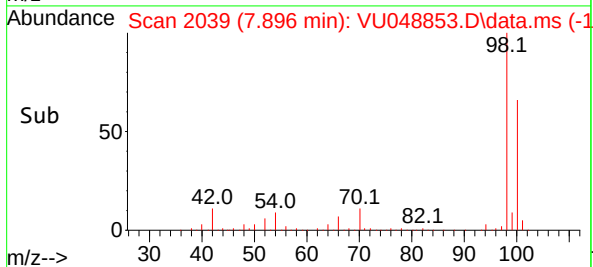
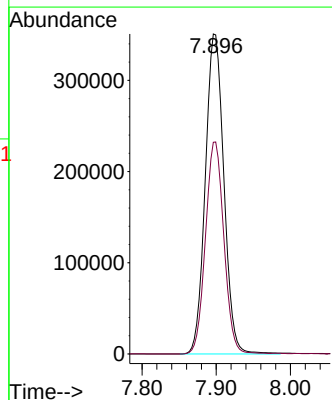
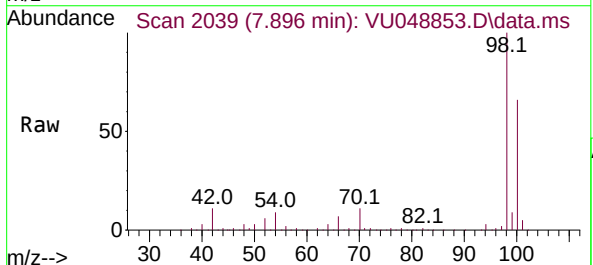


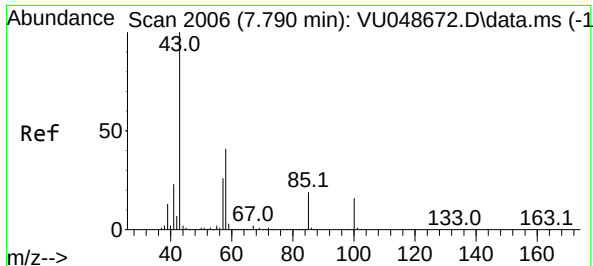
Tgt Ion:117 Resp: 32853
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 47.095 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 98 Resp: 609107
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.361 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. 0.010 min

Lab File: VU048853.D

Acq: 03 Jun 2022 13:31

Instrument :

MSVOA_U

ClientSampleId :

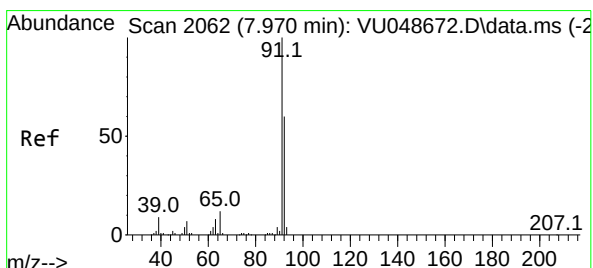
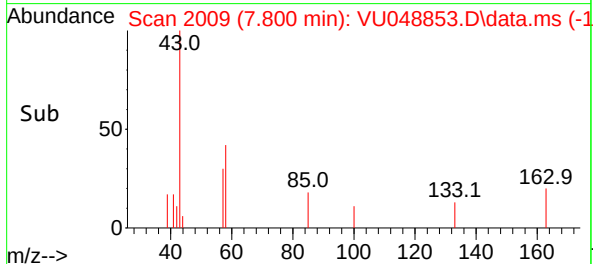
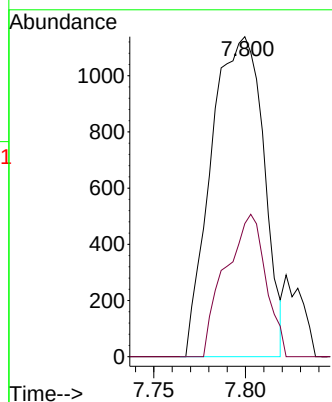
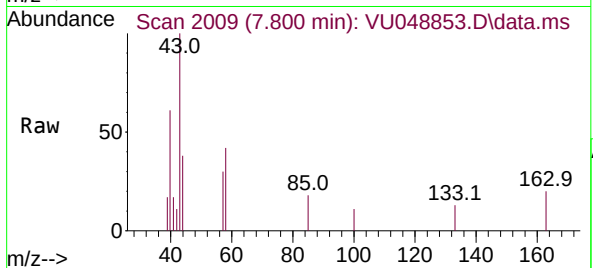
PB145281TB

Tgt Ion: 43 Resp: 2262

Ion Ratio Lower Upper

43 100

58 34.4 32.7 49.1



#52

Toluene

Concen: 0.218 ug/l

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048853.D

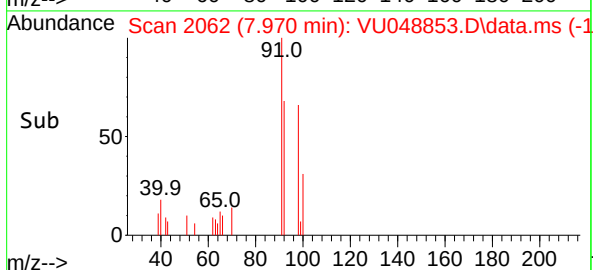
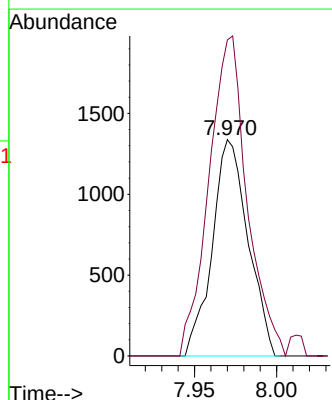
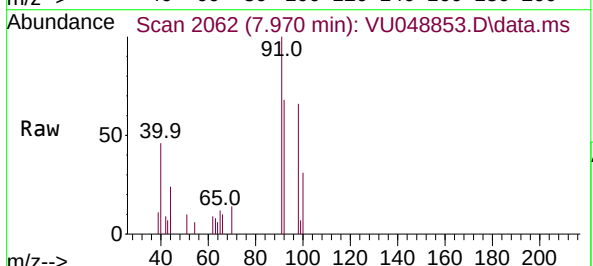
Acq: 03 Jun 2022 13:31

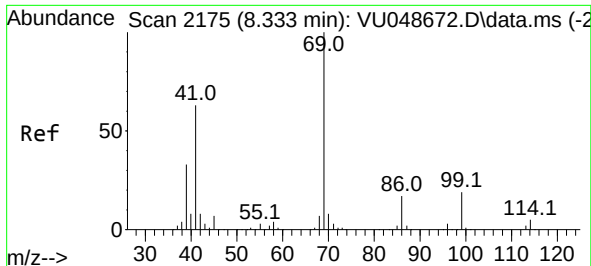
Tgt Ion: 92 Resp: 2030

Ion Ratio Lower Upper

92 100

91 157.8 135.0 202.4

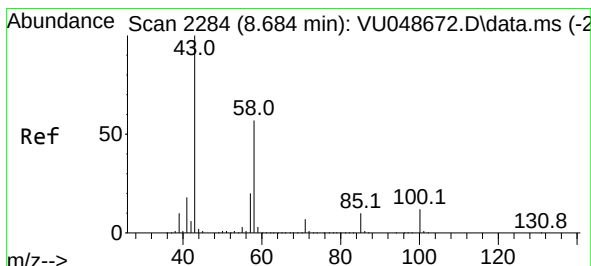
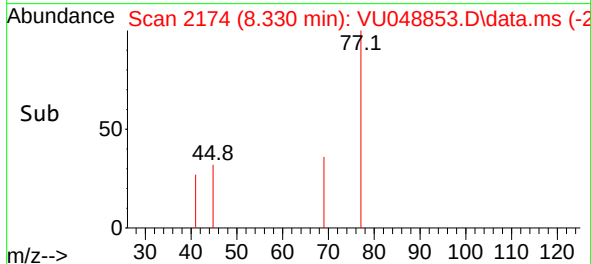
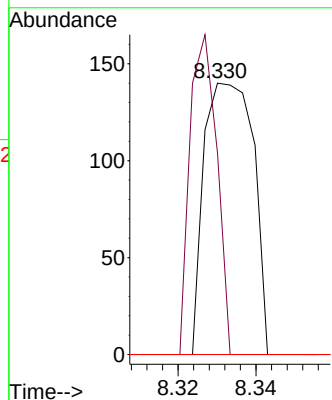
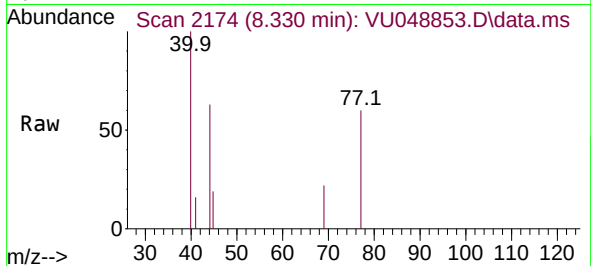




#56
Ethyl methacrylate
Concen: 2.631 ug/l
RT: 8.330 min Scan# 2175
Delta R.T. -0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

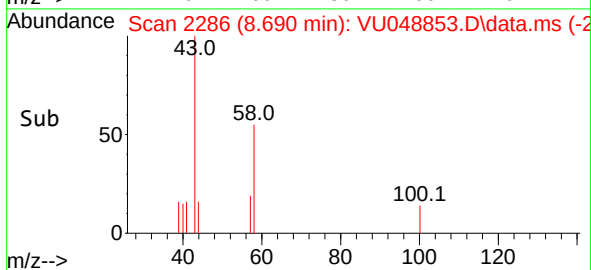
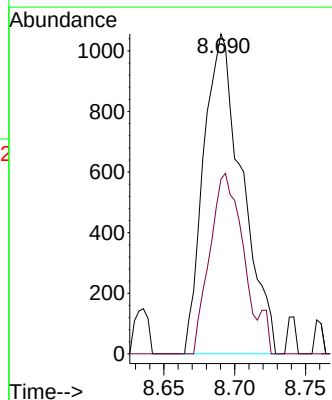
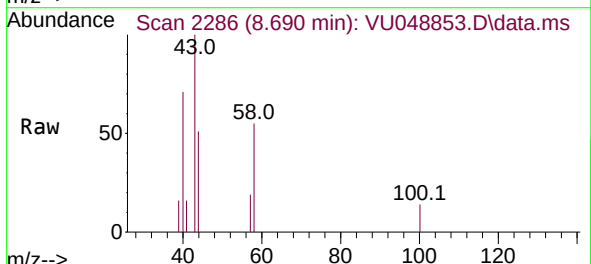
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

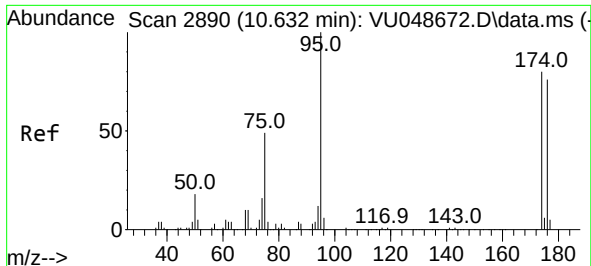
Tgt Ion: 69 Resp: 123
Ion Ratio Lower Upper
69 100
41 64.2 50.6 76.0
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.388 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 43 Resp: 1996
Ion Ratio Lower Upper
43 100
58 50.4 28.2 84.6

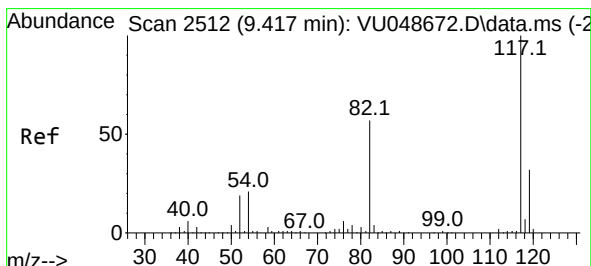
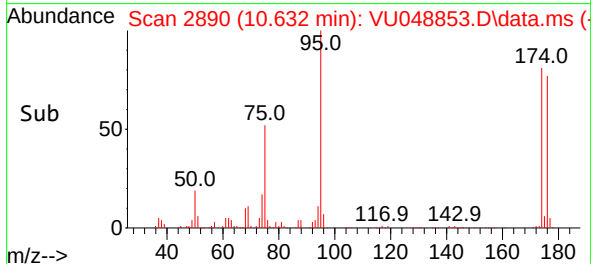
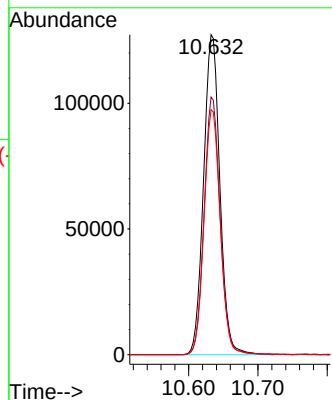
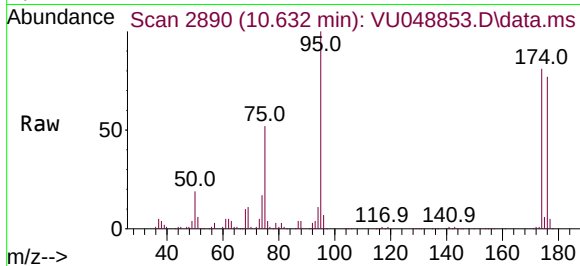




#62
4-Bromofluorobenzene
Concen: 42.475 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

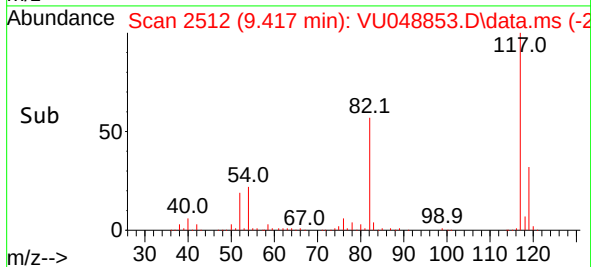
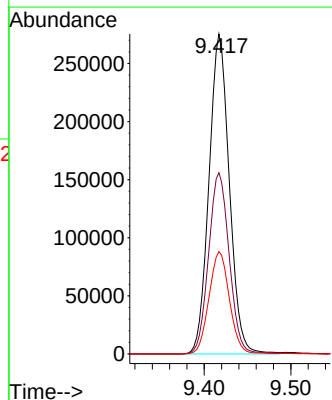
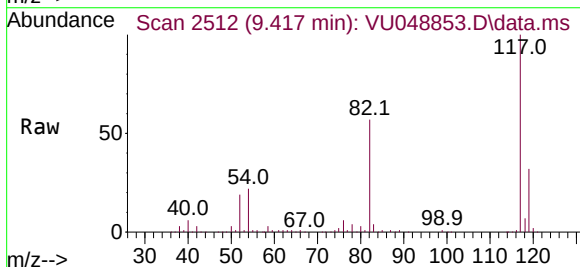
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

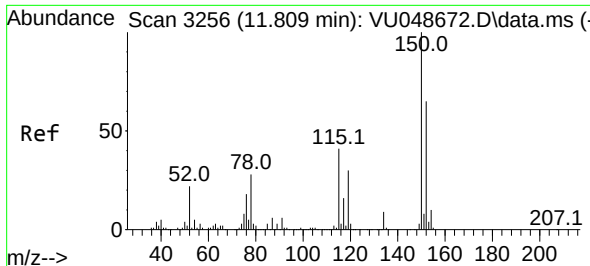
Tgt Ion: 95 Resp: 207758
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.4
176 75.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 117 Resp: 449821
Ion Ratio Lower Upper
117 100
82 56.7 45.3 67.9
119 32.0 25.4 38.2

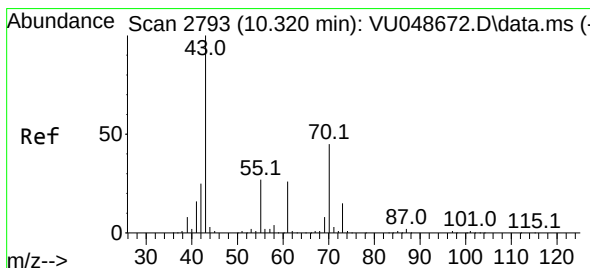
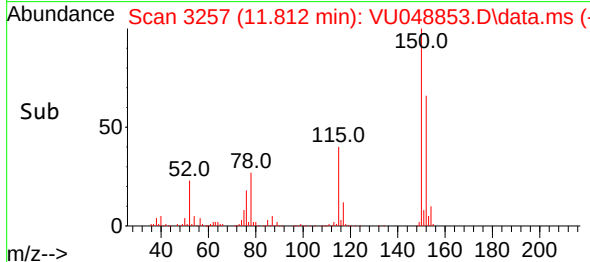
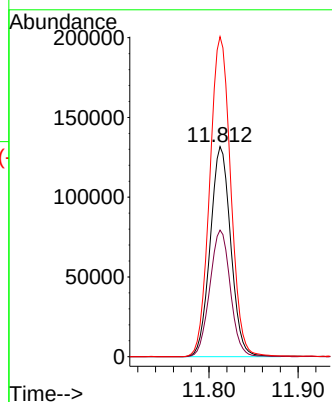
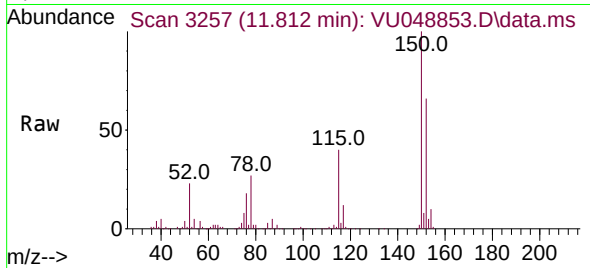




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

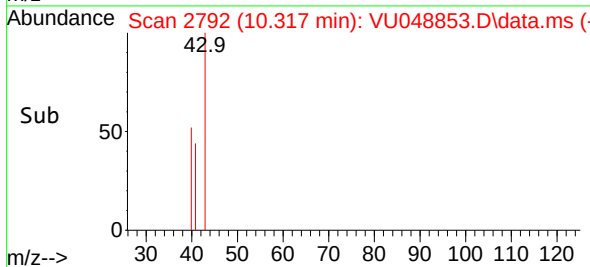
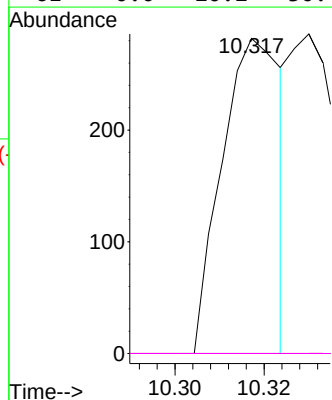
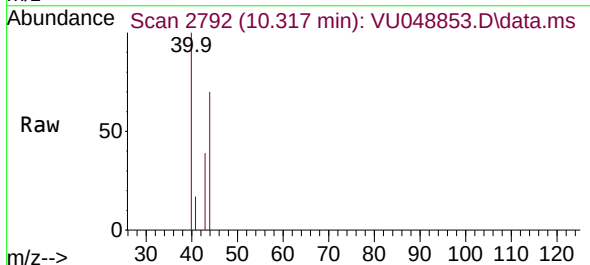
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

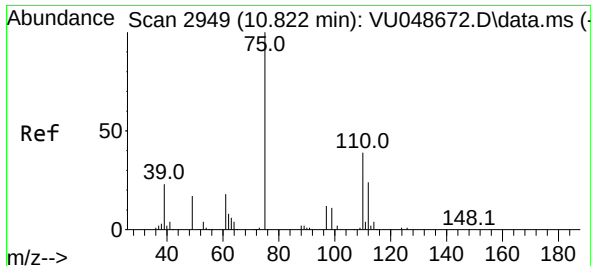
Tgt Ion:152 Resp: 210885
Ion Ratio Lower Upper
152 100
115 60.2 41.8 125.4
150 155.7 0.0 341.0



#74
N-ethyl acetate
Concen: 2.503 ug/l
RT: 10.317 min Scan# 2792
Delta R.T. -0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 43 Resp: 259
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#

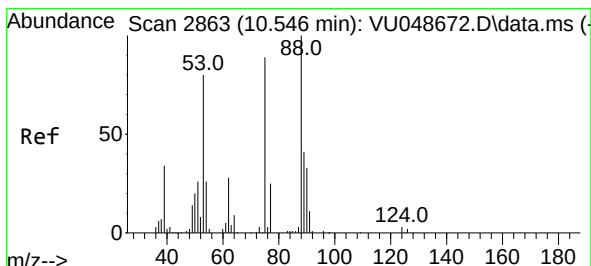
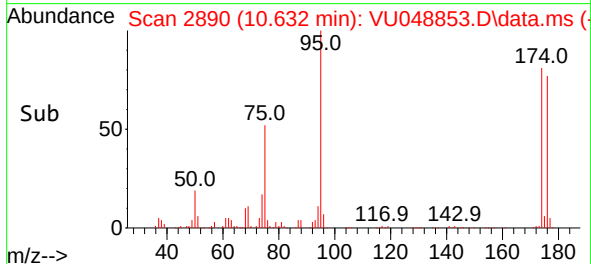
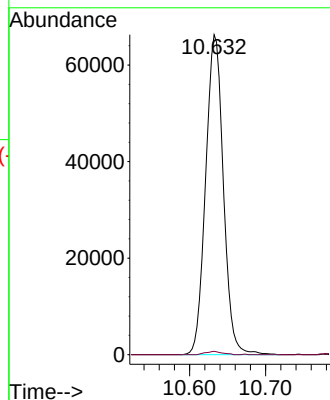
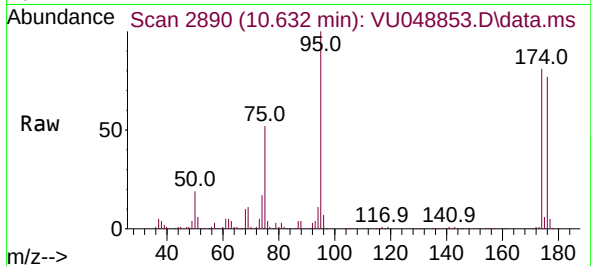




#76
1,2,3-Trichloropropane
Concen: 15.788 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

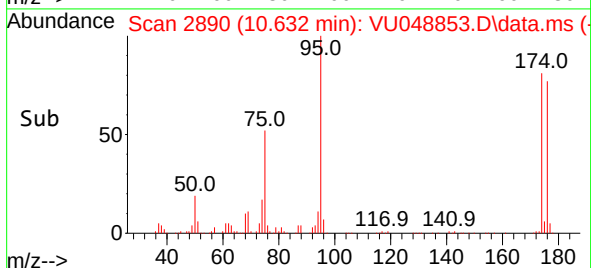
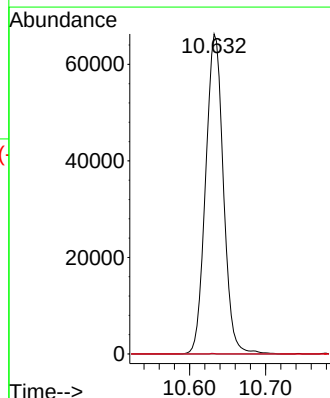
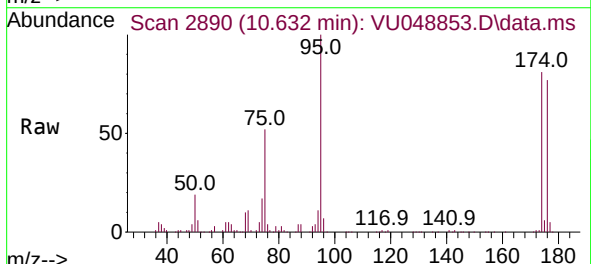
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

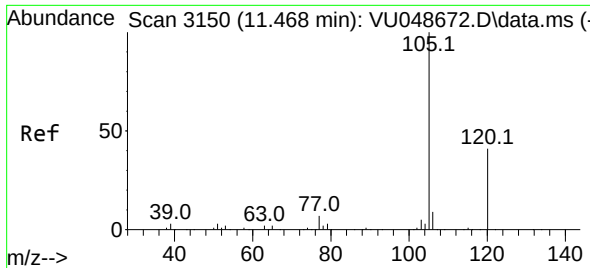
Tgt Ion: 75 Resp: 107348
Ion Ratio Lower Upper
75 100
77 1.0 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.323 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 75 Resp: 107348
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

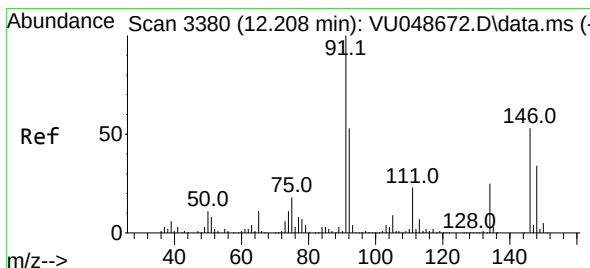
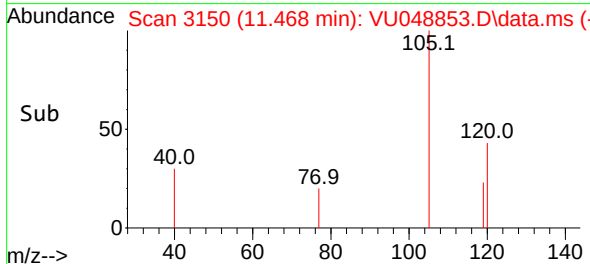
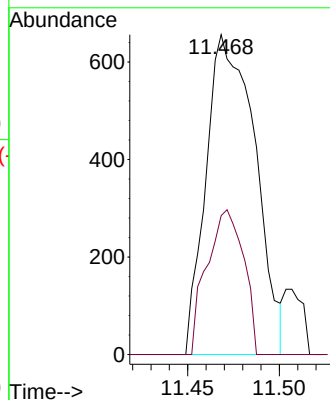
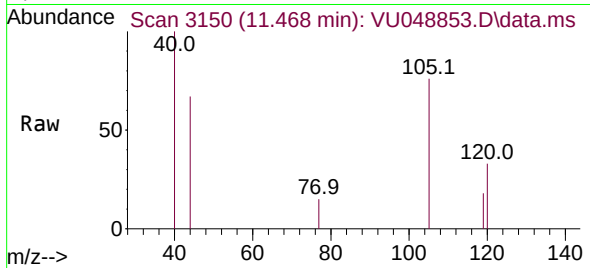




#84
1,2,4-Trimethylbenzene
Concen: 1.280 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

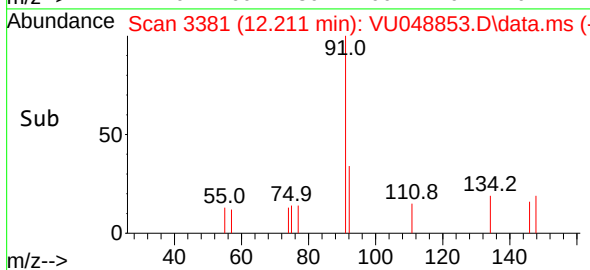
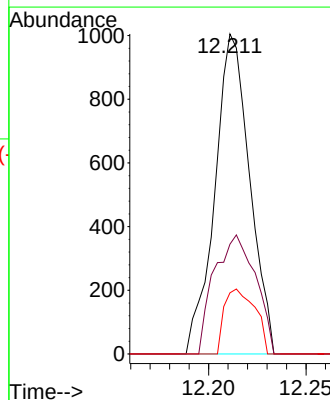
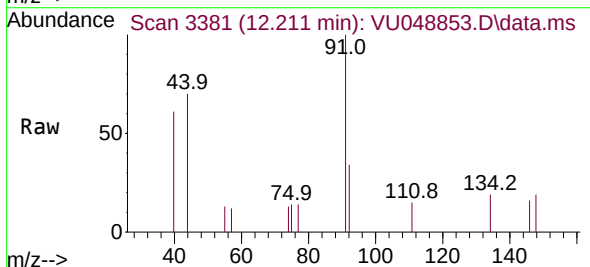
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

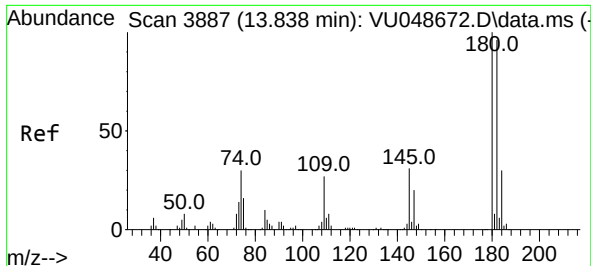
Tgt Ion:105 Resp: 1215
Ion Ratio Lower Upper
105 100
120 34.1 22.5 67.5



#89
n-Butylbenzene
Concen: 2.283 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

Tgt Ion: 91 Resp: 1251
Ion Ratio Lower Upper
91 100
92 44.1 25.9 77.8
134 17.8 12.5 37.5

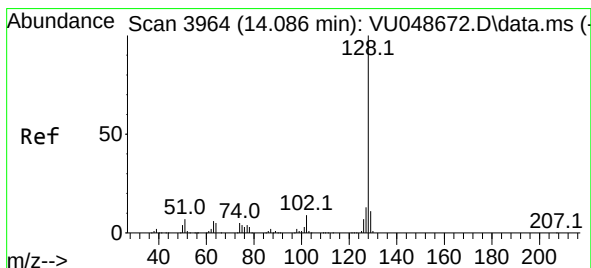
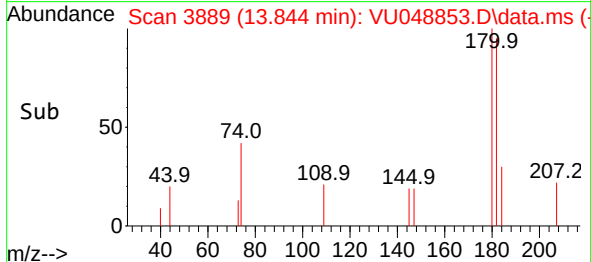
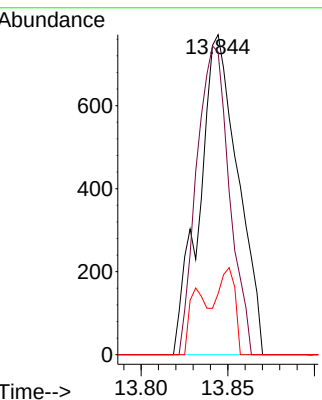
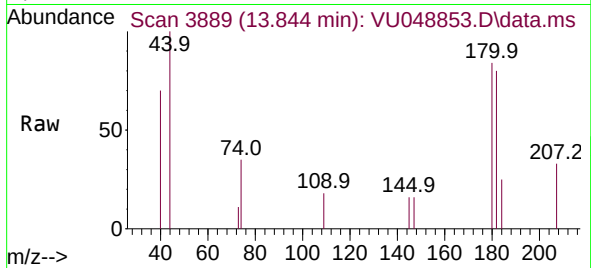




#93
1,2,4-Trichlorobenzene
Concen: 0.251 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

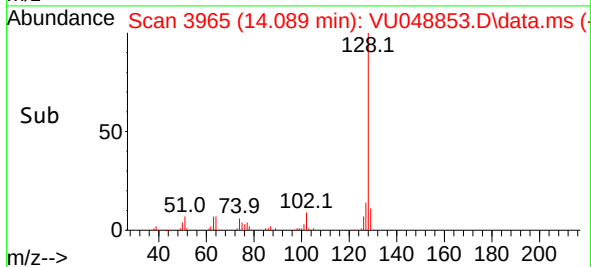
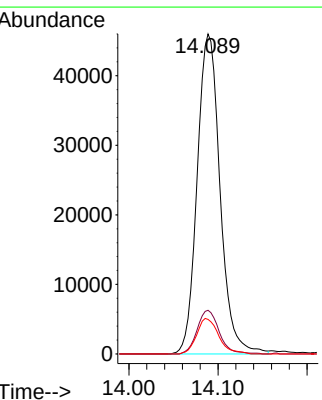
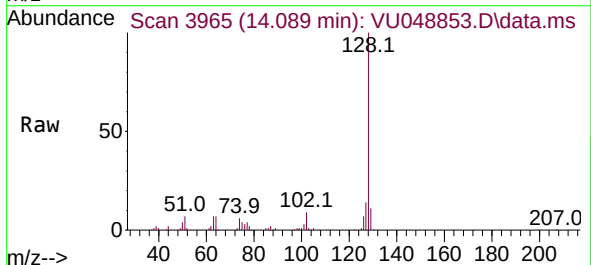
Instrument :
MSVOA_U
ClientSampleId :
PB145281TB

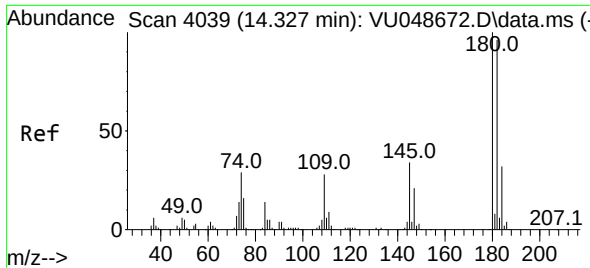
Tgt Ion:180 Resp: 1194
Ion Ratio Lower Upper
180 100
182 81.4 48.3 144.9
145 11.6 15.6 46.7#



#95
Naphthalene
Concen: 7.230 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU048853.D
Acq: 03 Jun 2022 13:31

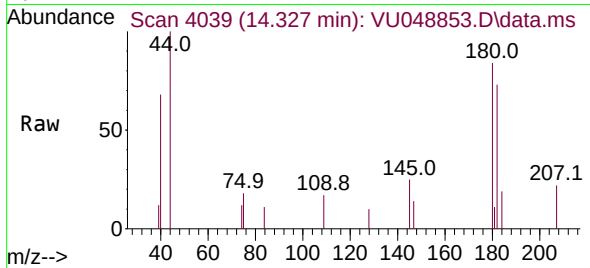
Tgt Ion:128 Resp: 82126
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.264 ug/l
 RT: 14.327 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VU048853.D
 Acq: 03 Jun 2022 13:31

Instrument :
 MSVOA_U
 ClientSampleId :
 PB145281TB



Tgt Ion:	180	Resp:	1243
Ion	Ratio	Lower	Upper
180	100		
182	102.7	47.4	142.2
145	28.6	16.6	49.8

