

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048811.D
 Acq On : 02 Jun 2022 18:09
 Operator : SY/MD
 Sample : N3003-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RB04-20220523

Quant Time: Jun 03 01:17:57 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

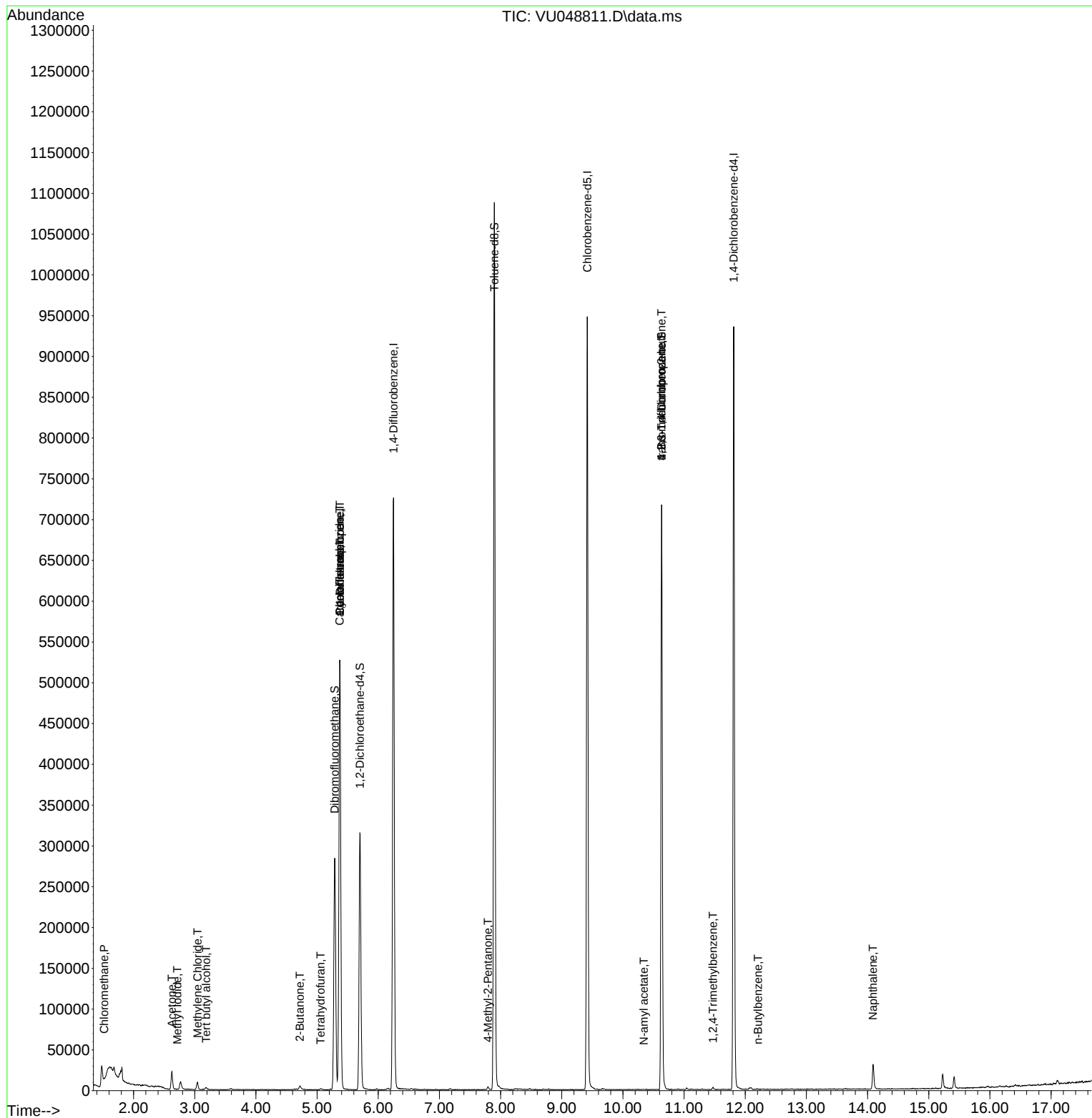
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.372	168	363792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	588556	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	534423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	249441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	236622	43.310	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.620%
35) Dibromofluoromethane	5.288	113	187531	44.662	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.320%
50) Toluene-d8	7.899	98	718973	47.767	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.540%
62) 4-Bromofluorobenzene	10.632	95	245487	43.126	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.260%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1359	0.253	ug/l	92
5) Bromomethane	1.845	94	159	Below Cal	#	45
6) Chloroethane	1.986	64	748	Below Cal	#	71
10) Methyl Iodide	2.716	142	40	3.011	ug/l #	37
11) Tert butyl alcohol	3.189	59	1913	1.381	ug/l #	28
13) Acrolein	2.485	56	162	Below Cal		96
16) Acetone	2.626	43	23609	8.479	ug/l	95
20) Methylene Chloride	3.044	84	3987	0.842	ug/l	96
25) 2-Butanone	4.719	43	7771	1.943	ug/l	92
29) Tetrahydrofuran	5.060	42	1146	0.455	ug/l #	69
31) Cyclohexane	5.372	56	7819	1.136	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	28435	4.640	ug/l #	50
38) Carbon Tetrachloride	5.369	117	36805	5.235	ug/l #	17
51) 4-Methyl-2-Pentanone	7.793	43	2843	0.389	ug/l #	82
74) N-amyl acetate	10.340	43	49	2.473	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	124254	15.450	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	124254	56.095	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	1790	1.303	ug/l	82
89) n-Butylbenzene	12.208	91	271	2.203	ug/l #	58
95) Naphthalene	14.089	128	28048	3.889	ug/l	97

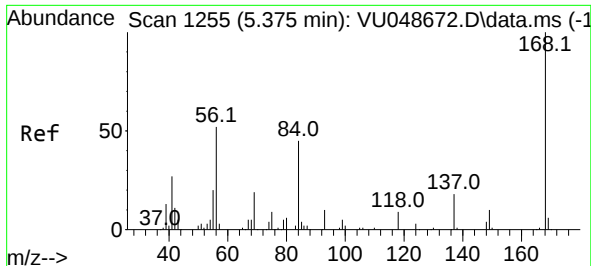
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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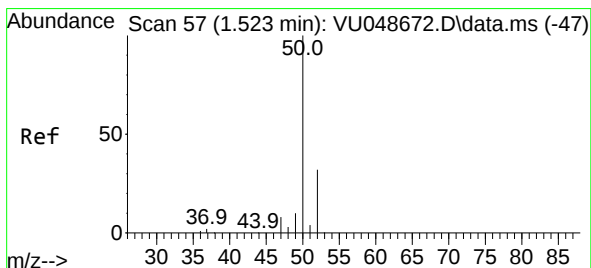
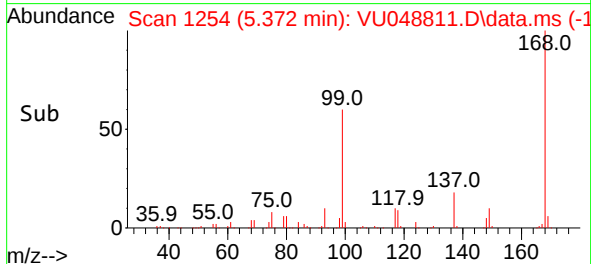
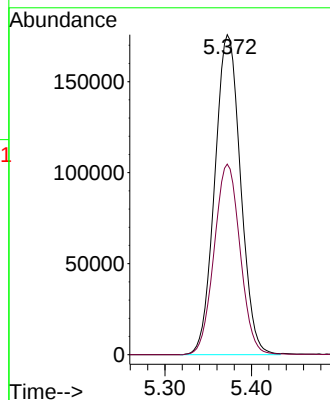
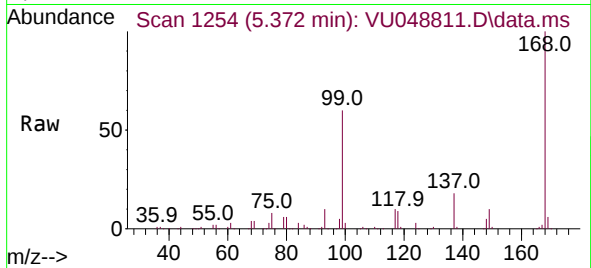




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

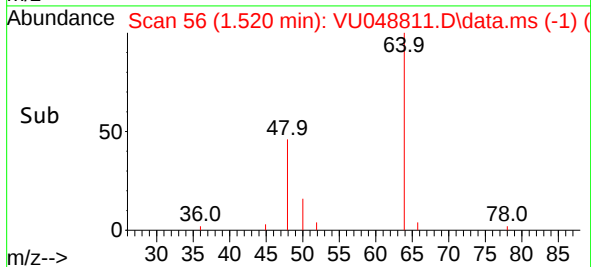
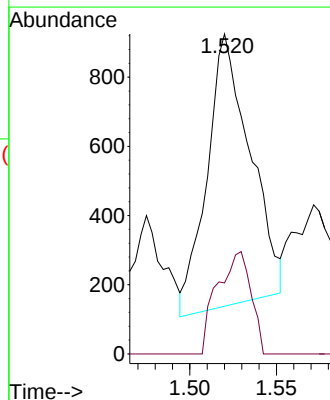
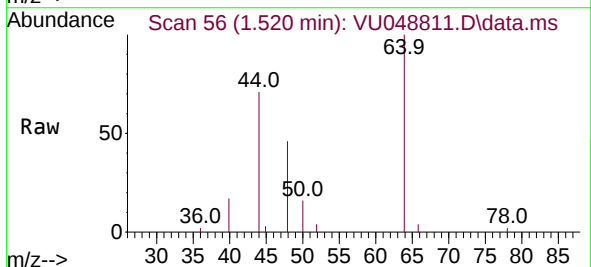
Instrument :
MSVOA_U
ClientSampleId :
RB04-20220523

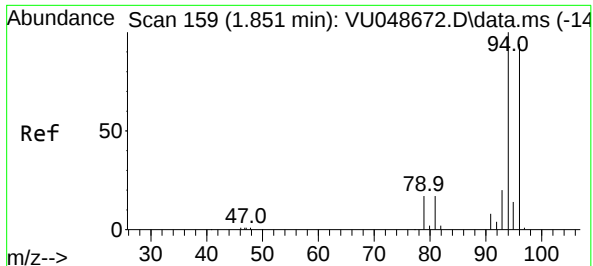
Tgt Ion:168 Resp: 363792
Ion Ratio Lower Upper
168 100
99 59.6 49.3 73.9



#3
Chloromethane
Concen: 0.253 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion: 50 Resp: 1359
Ion Ratio Lower Upper
50 100
52 27.4 25.7 38.5

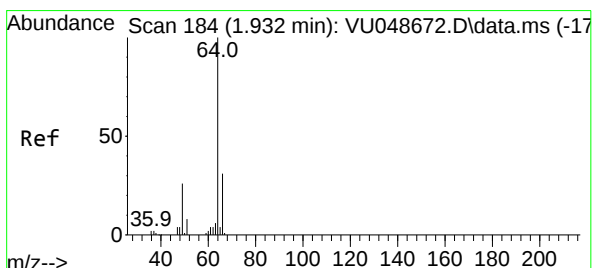
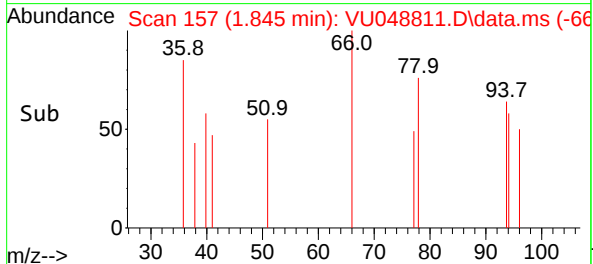
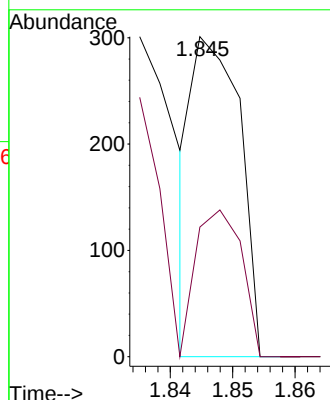
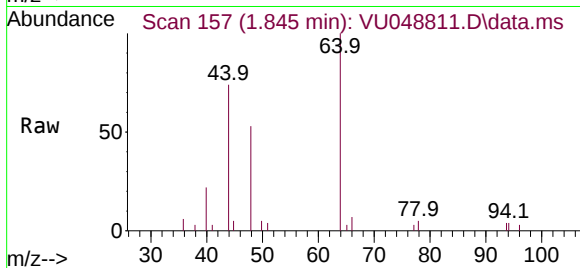




#5
Bromomethane
Concen: Below Cal
RT: 1.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

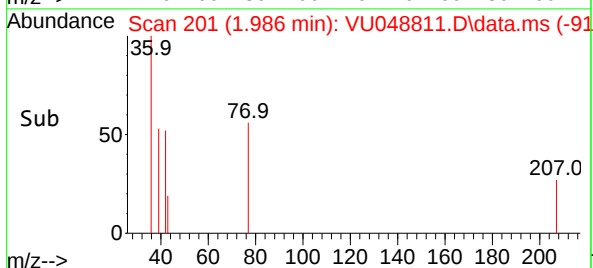
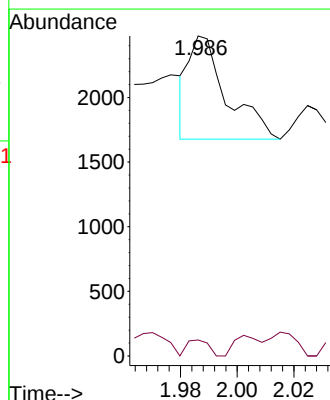
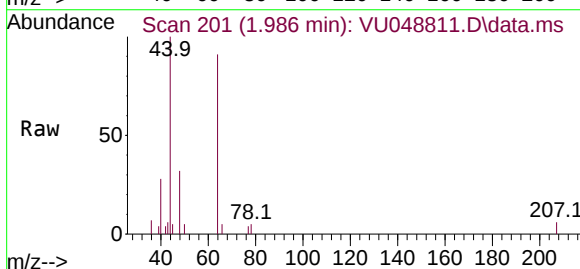
Instrument :
MSVOA_U
ClientSampleId :
RB04-20220523

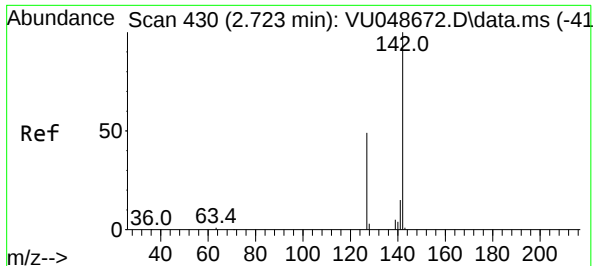
Tgt Ion: 94 Resp: 159
Ion Ratio Lower Upper
94 100
96 40.5 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.986 min Scan# 201
Delta R.T. 0.054 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion: 64 Resp: 748
Ion Ratio Lower Upper
64 100
66 15.5 25.2 37.8#

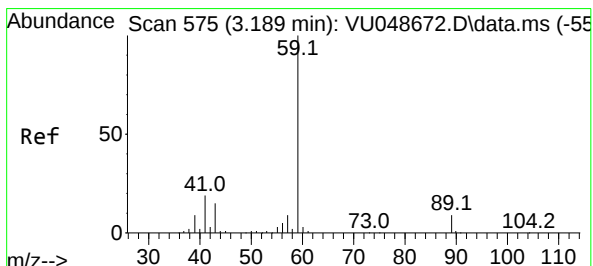
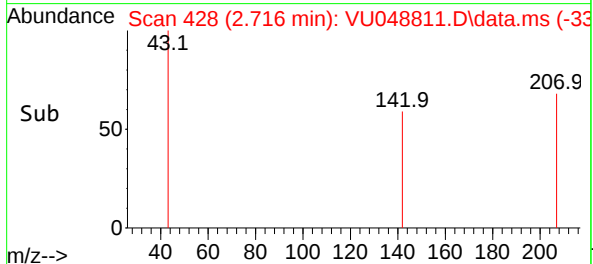
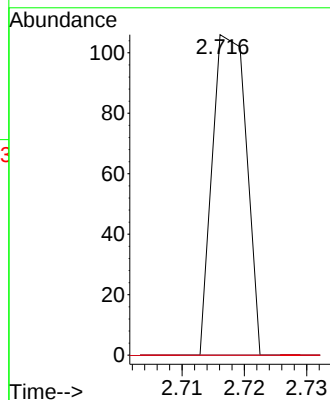
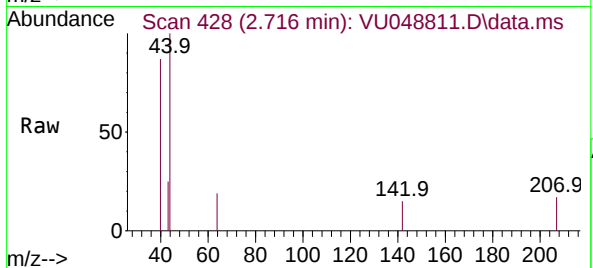




#10
Methyl Iodide
Concen: 3.011 ug/l
RT: 2.716 min Scan# 41
Delta R.T. -0.007 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

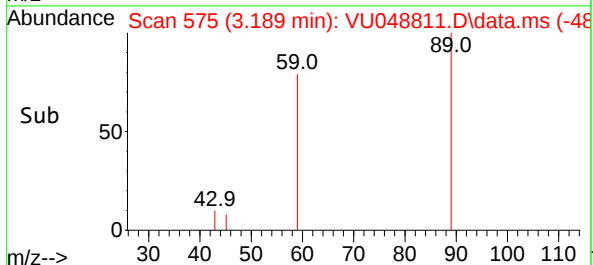
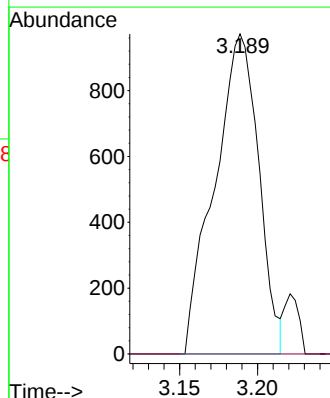
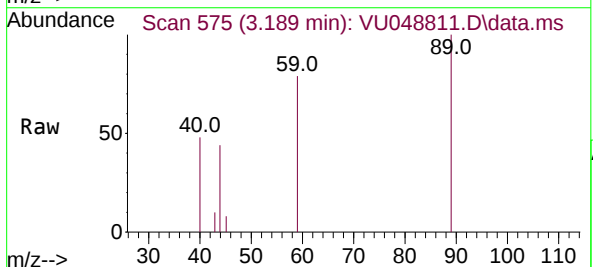
Instrument :
MSVOA_U
ClientSampleId :
RB04-20220523

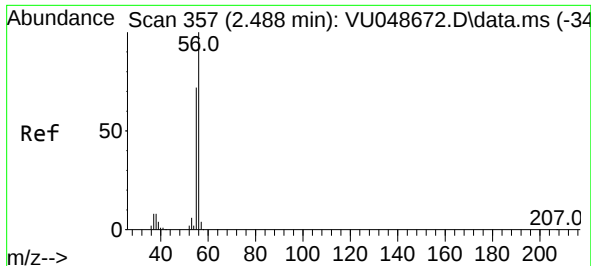
Tgt Ion:142 Resp: 40
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.381 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.000 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion: 59 Resp: 1913
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

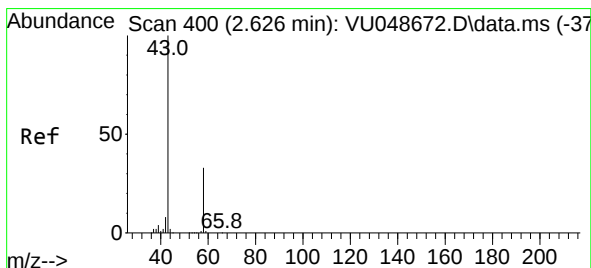
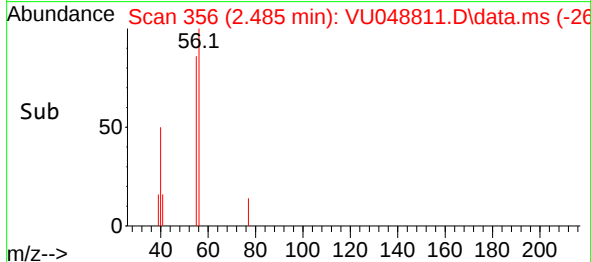
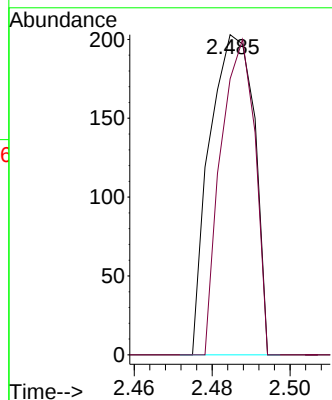
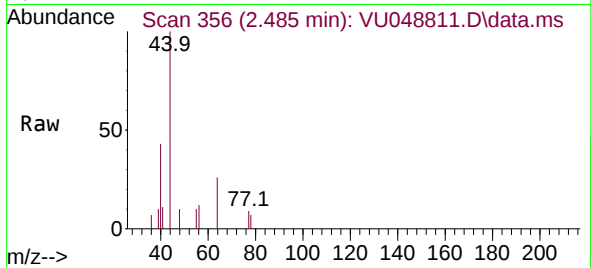




#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

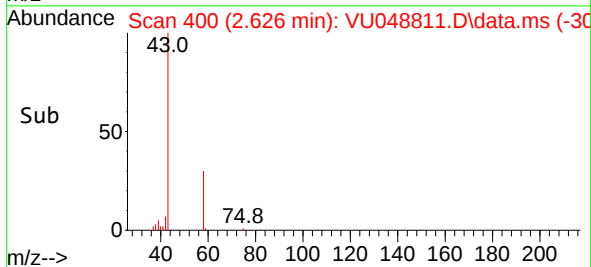
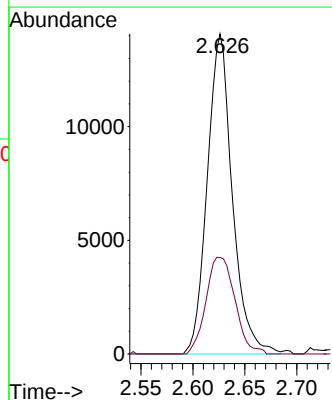
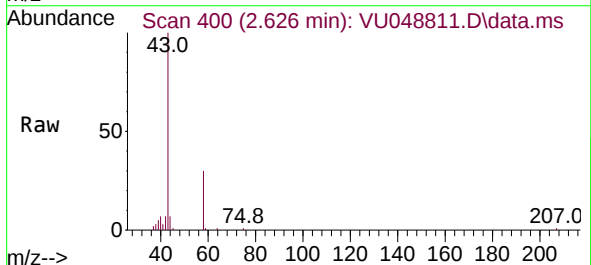
Instrument :
MSVOA_U
ClientSampleId :
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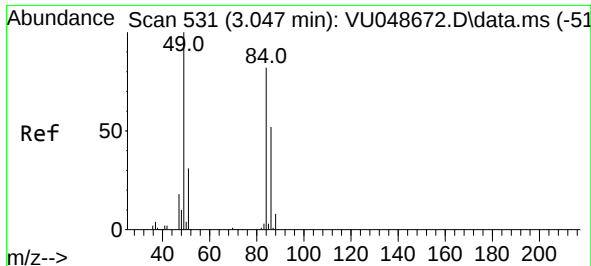
Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 75.3 57.7 86.5



#16
Acetone
Concen: 8.479 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

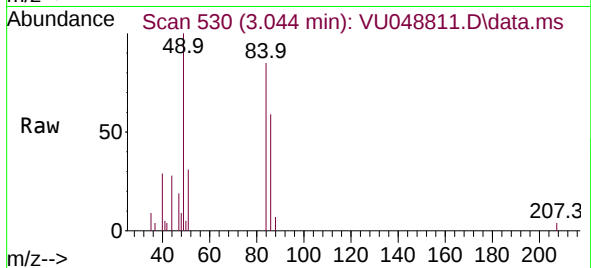
Tgt Ion: 43 Resp: 23609
Ion Ratio Lower Upper
43 100
58 30.1 26.3 39.5



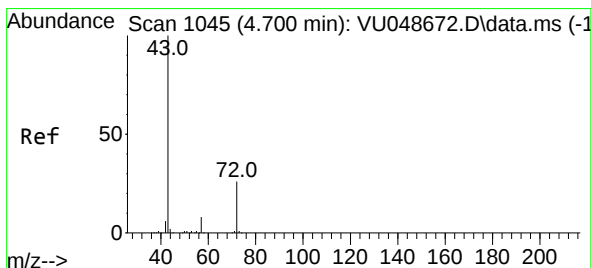
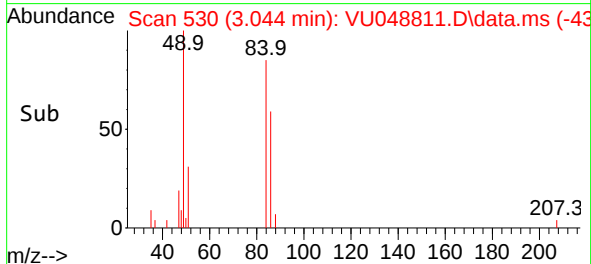
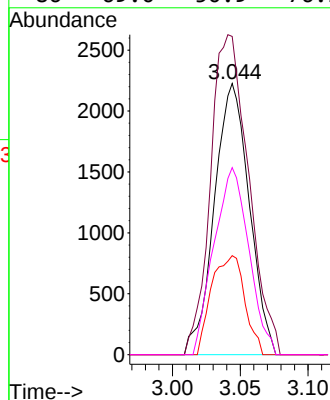


#20
Methylene Chloride
Concen: 0.842 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Instrument :
MSVOA_U
ClientSampleId :
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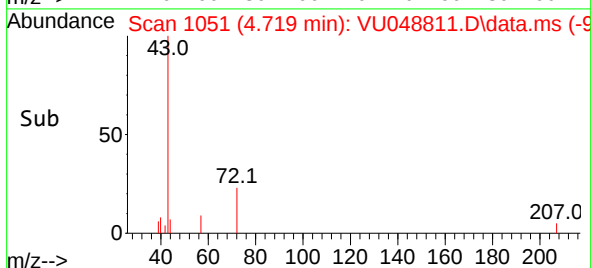
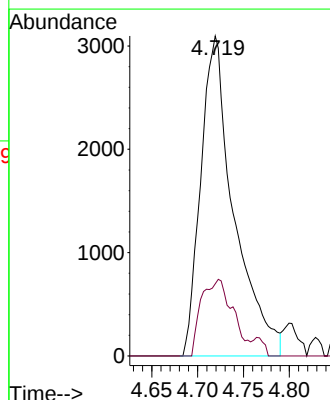
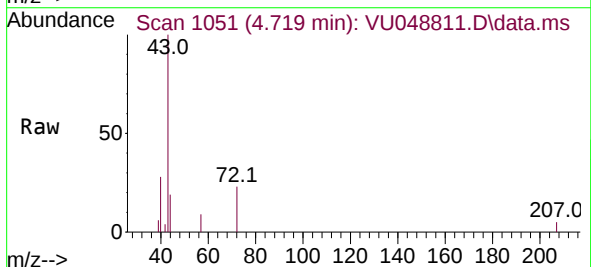


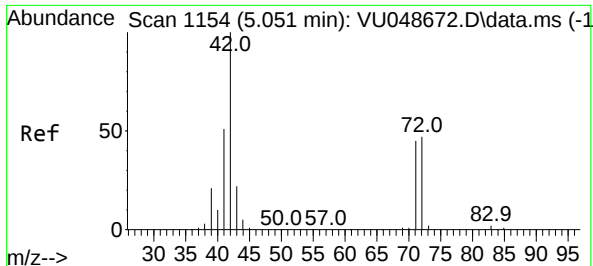
Tgt Ion:	84	Resp:	3987
Ion	Ratio	Lower	Upper
84	100		
49	117.3	97.0	145.4
51	36.5	29.8	44.8
86	69.0	50.9	76.3



#25
2-Butanone
Concen: 1.943 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion:	43	Resp:	7771
Ion	Ratio	Lower	Upper
43	100		
72	22.5	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.455 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048811.D

Acq: 02 Jun 2022 18:09

Instrument :

MSVOA_U

ClientSampleId :

RB04-20220523

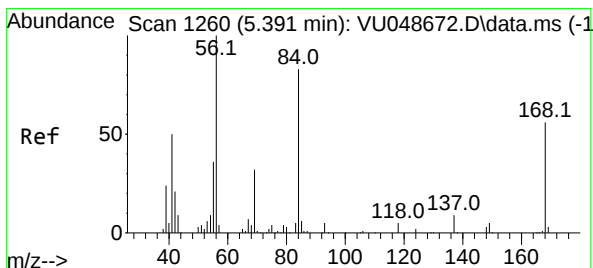
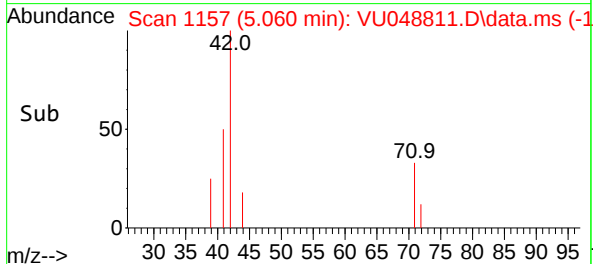
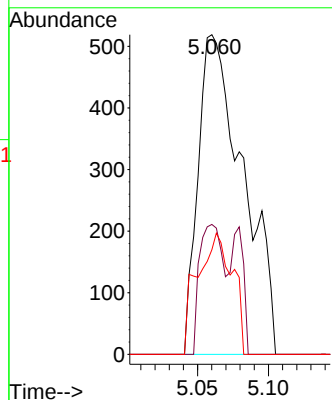
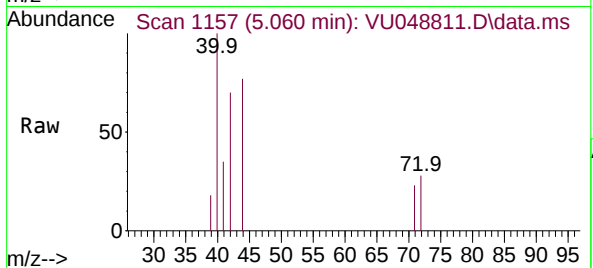
Tgt Ion: 42 Resp: 1146

Ion Ratio Lower Upper

42 100

72 21.1 37.6 56.4#

71 29.6 35.0 52.4#



#31

Cyclohexane

Concen: 1.136 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048811.D

Acq: 02 Jun 2022 18:09

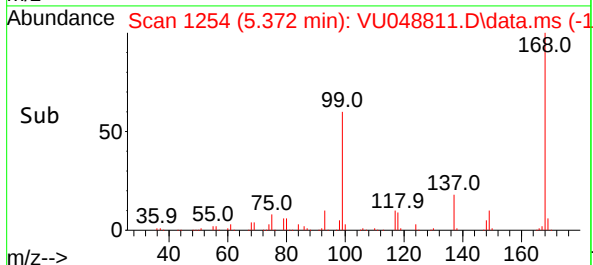
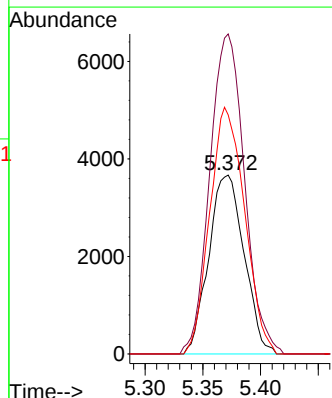
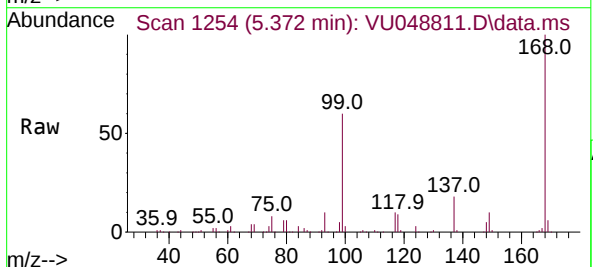
Tgt Ion: 56 Resp: 7819

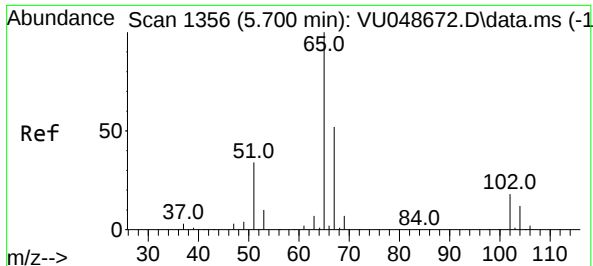
Ion Ratio Lower Upper

56 100

69 178.9 25.6 38.4#

84 133.6 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 43.310 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048811.D

Acq: 02 Jun 2022 18:09

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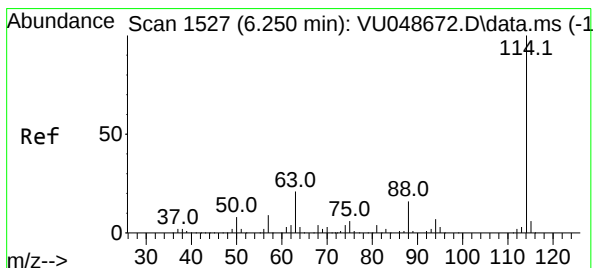
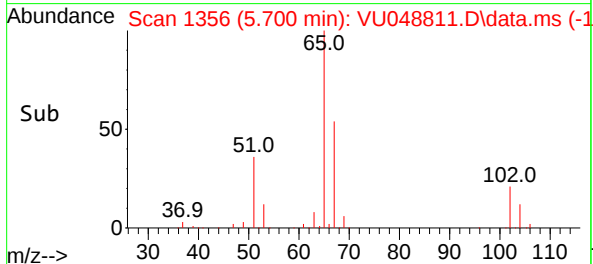
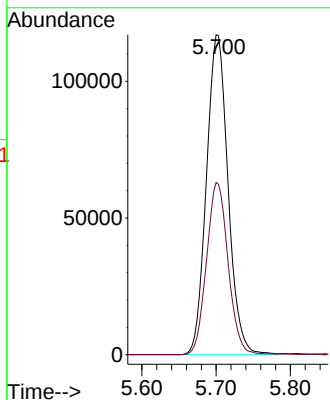
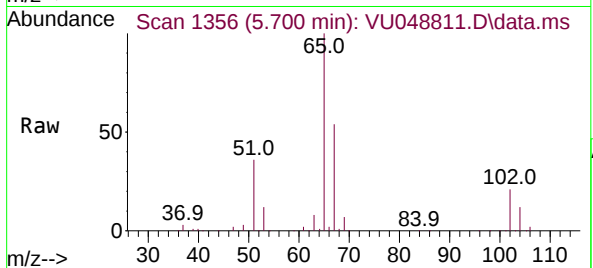
RB04-20220523

Tgt Ion: 65 Resp: 236622

Ion Ratio Lower Upper

65 100

67 53.7 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: VU048811.D

Acq: 02 Jun 2022 18:09

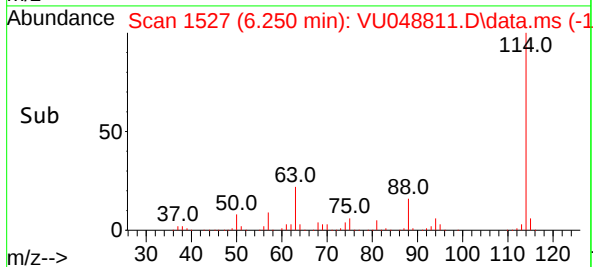
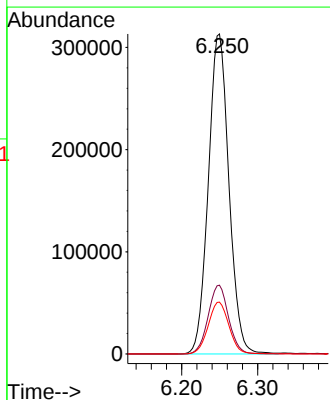
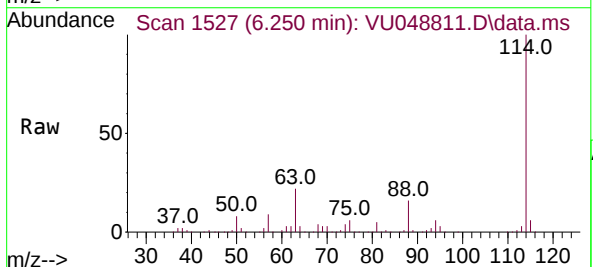
Tgt Ion: 114 Resp: 588556

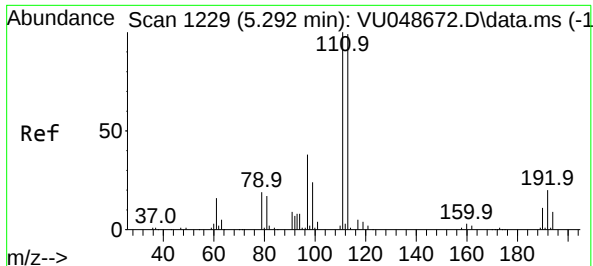
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 16.2 0.0 32.2

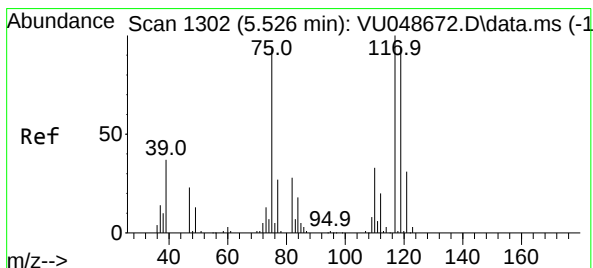
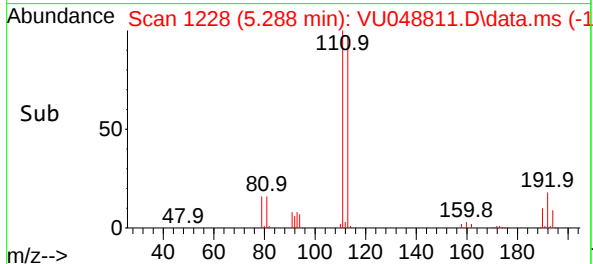
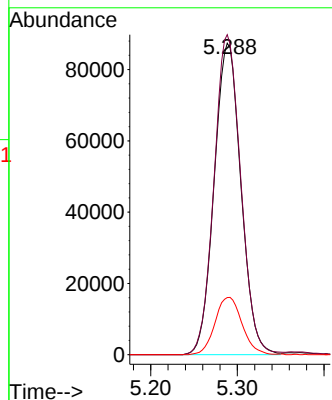
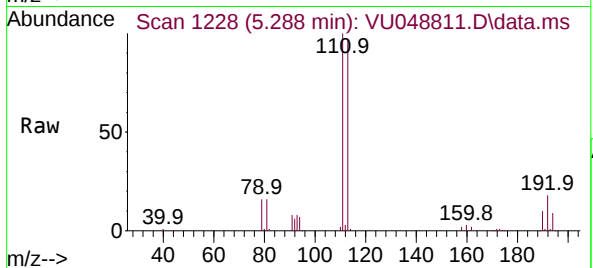




#35
Dibromofluoromethane
Concen: 44.662 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

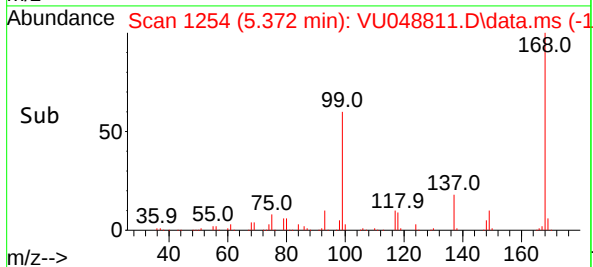
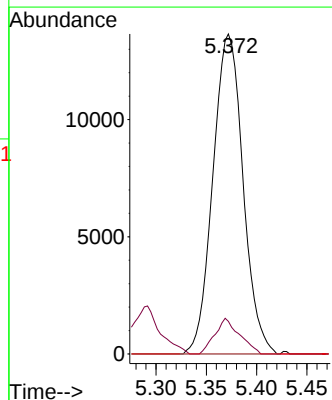
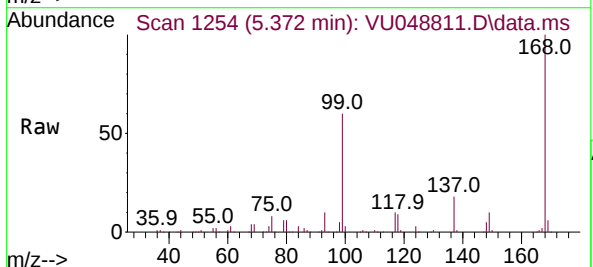
Instrument :
MSVOA_U
ClientSampleId :
RB04-20220523

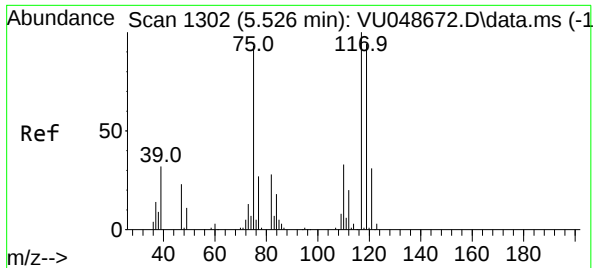
Tgt Ion:113 Resp: 187531
Ion Ratio Lower Upper
113 100
111 102.5 80.7 121.1
192 18.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion: 75 Resp: 28435
Ion Ratio Lower Upper
75 100
110 9.1 17.4 52.3#
77 0.0 24.8 37.2#

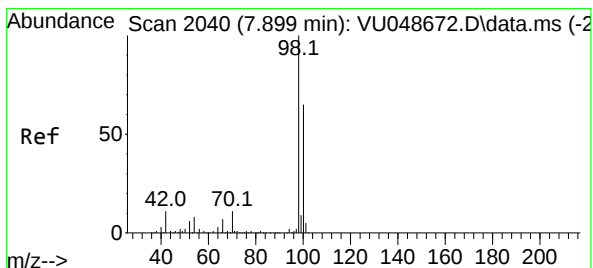
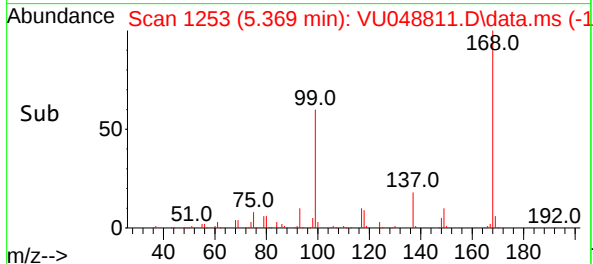
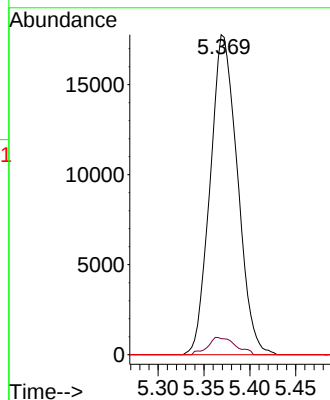
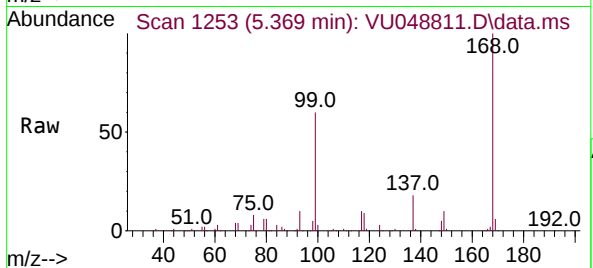




#38
Carbon Tetrachloride
Concen: 5.235 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.158 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

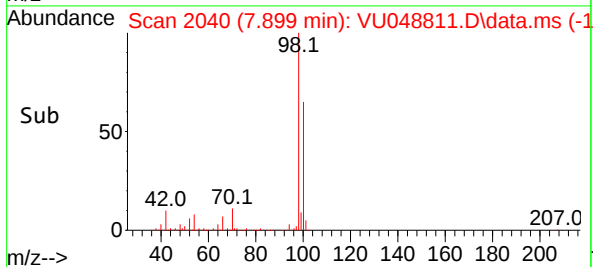
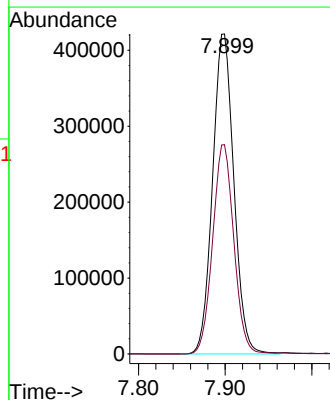
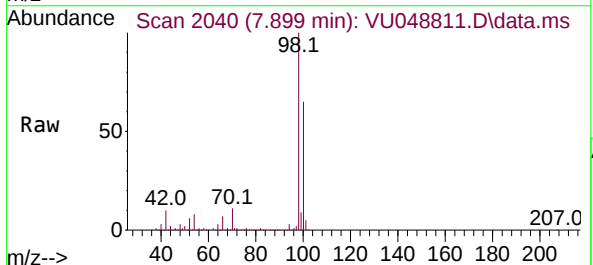
Instrument :
MSVOA_U
ClientSampleId :
RB04-20220523

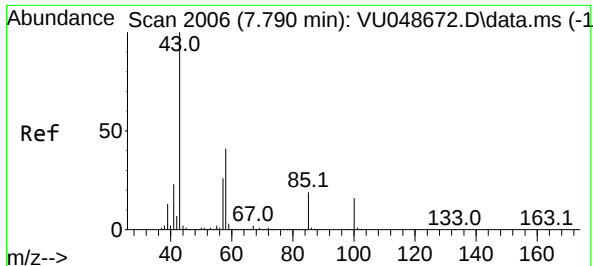
Tgt Ion:117 Resp: 36805
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 47.767 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion: 98 Resp: 718973
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4

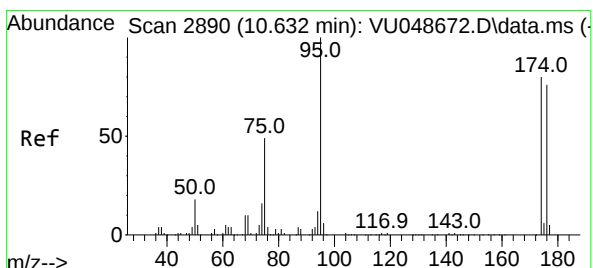
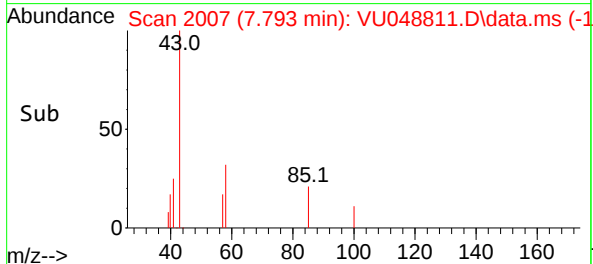
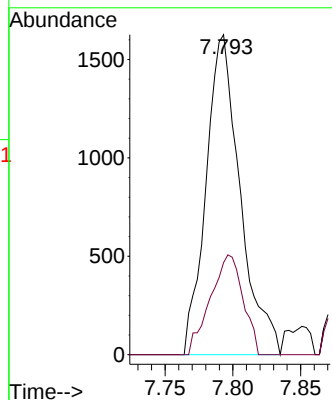
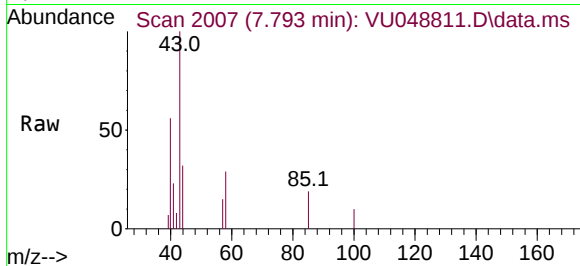




#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 7.793 min Scan# 2006
Delta R.T. 0.003 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

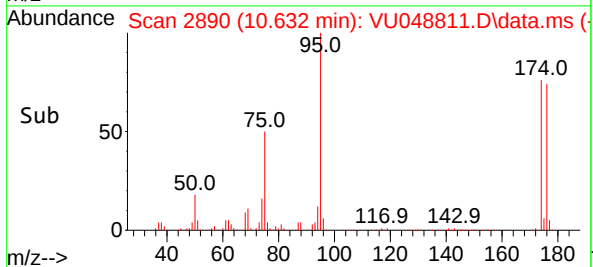
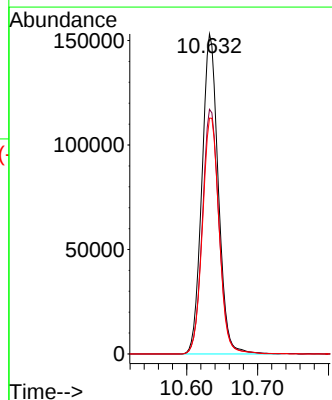
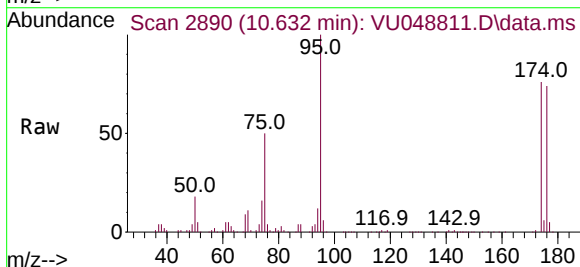
Instrument :
MSVOA_U
ClientSampleId :
RB04-20220523

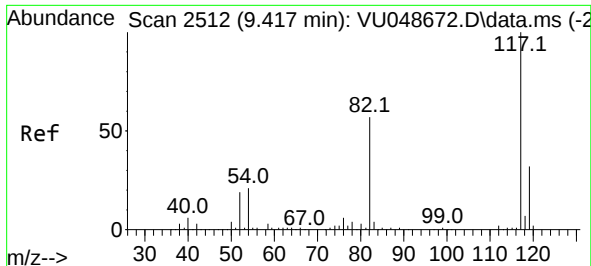
Tgt Ion: 43 Resp: 2843
Ion Ratio Lower Upper
43 100
58 29.8 32.7 49.1#



#62
4-Bromofluorobenzene
Concen: 43.126 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion: 95 Resp: 245487
Ion Ratio Lower Upper
95 100
174 77.6 0.0 159.4
176 75.1 0.0 152.4

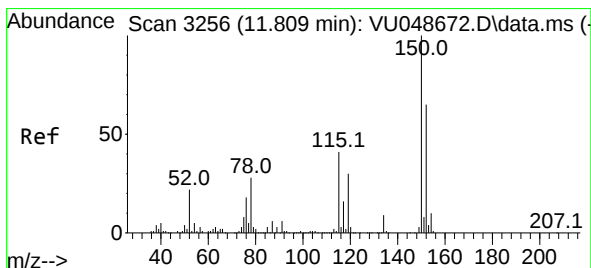
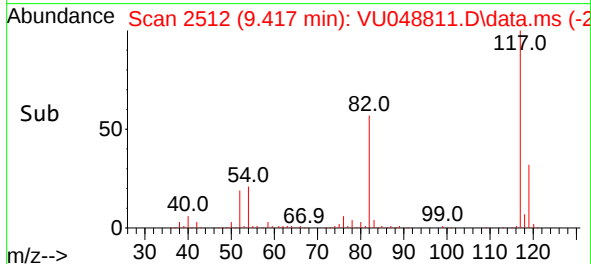
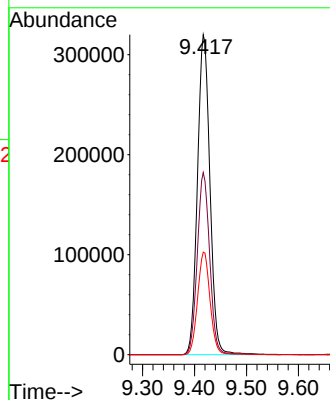
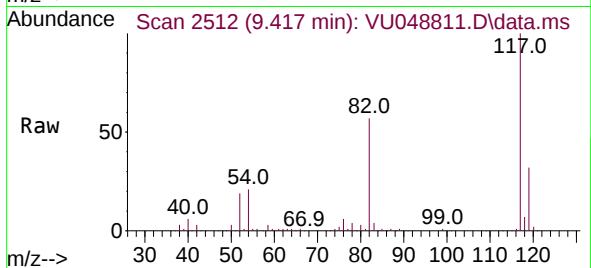




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

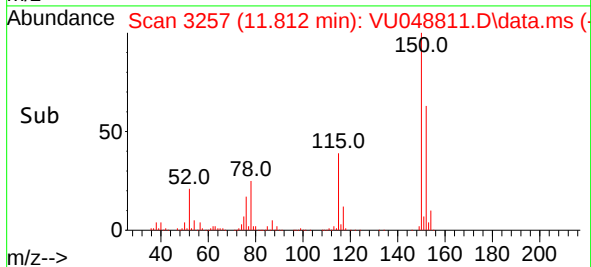
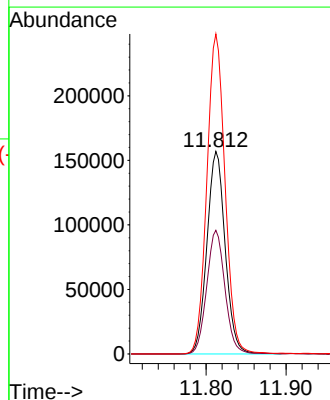
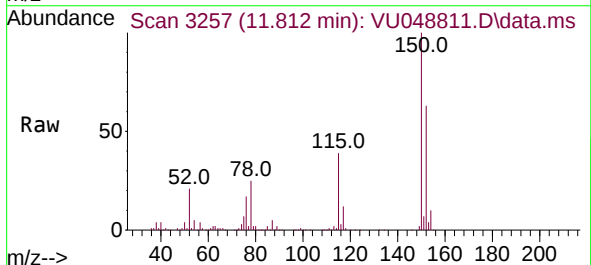
Instrument :
MSVOA_U
ClientSampleId :
RB04-20220523

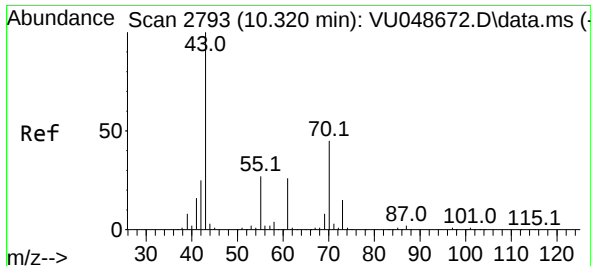
Tgt Ion:117 Resp: 534423
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion:152 Resp: 249441
Ion Ratio Lower Upper
152 100
115 60.9 41.8 125.4
150 156.9 0.0 341.0

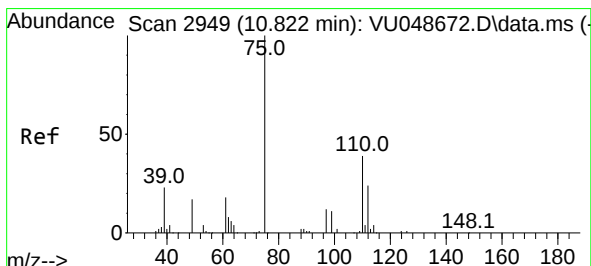
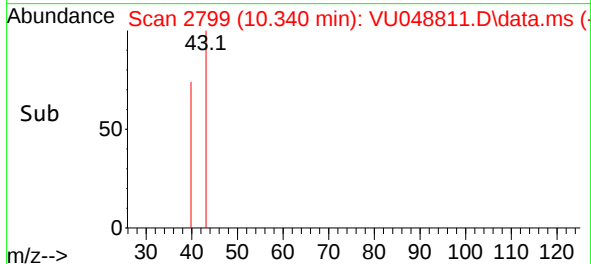
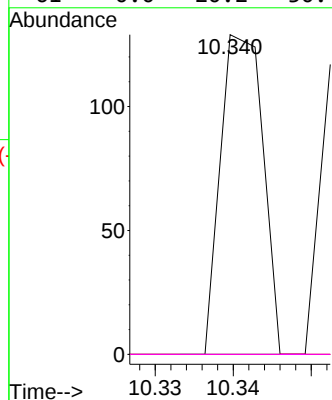
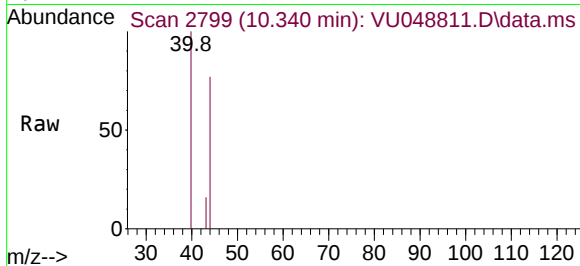




#74
N-amy1 acetate
Concen: 2.473 ug/l
RT: 10.340 min Scan# 21
Delta R.T. 0.020 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

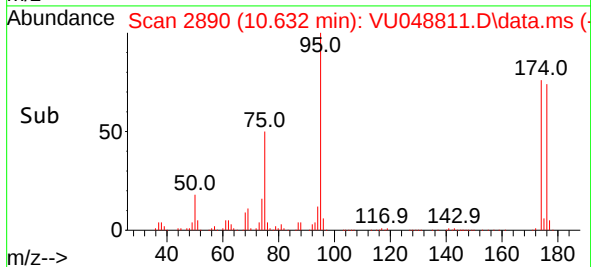
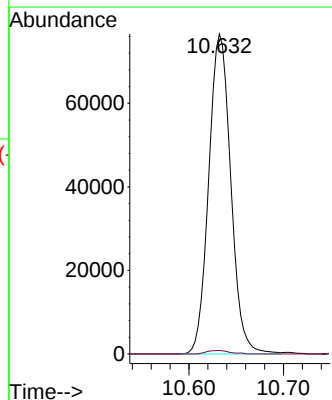
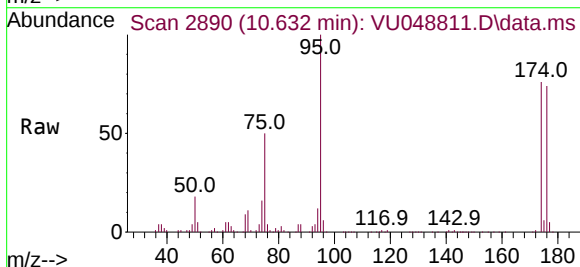
Instrument :
MSVOA_U
ClientSampleId :
RB04-20220523

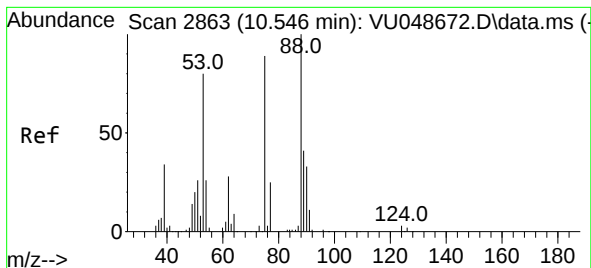
Tgt Ion: 43	Resp: 49
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 15.450 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion: 75	Resp: 124254
Ion Ratio	Lower Upper
75 100	
77 1.1	14.8 44.3#

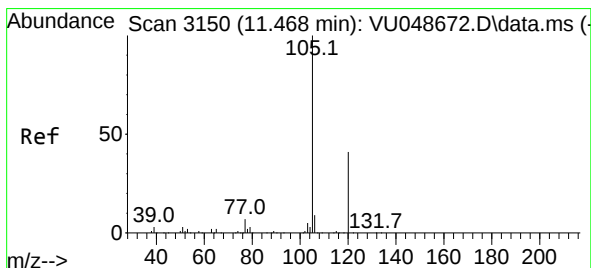
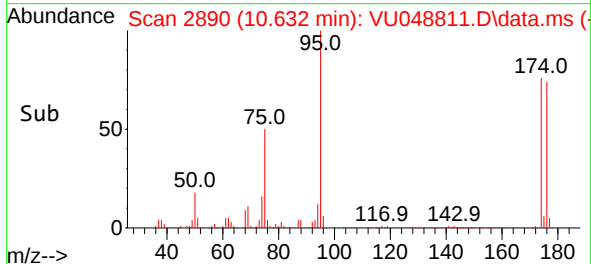
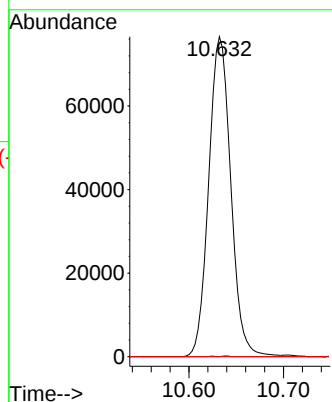
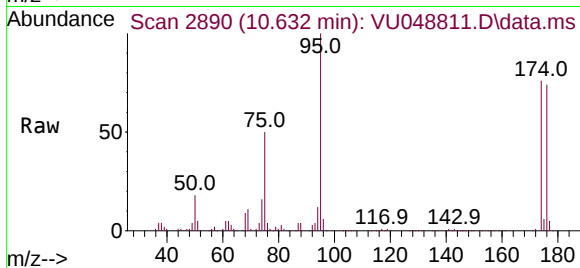




#81
trans-1,4-Dichloro-2-butene
Concen: 56.095 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

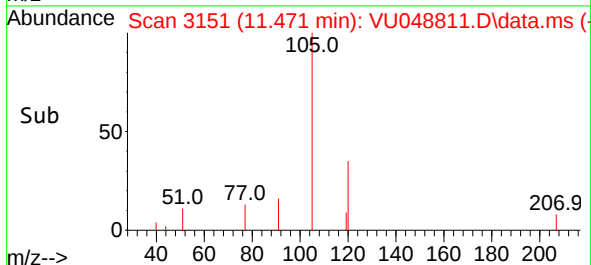
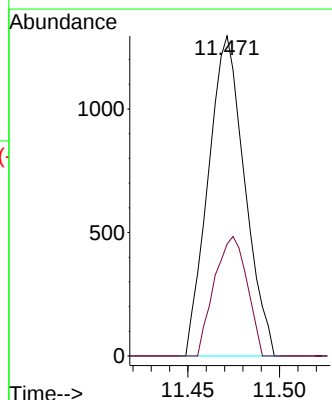
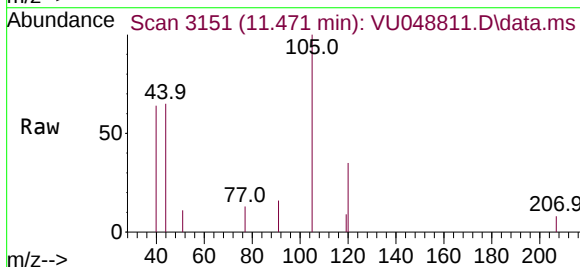
Instrument :
MSVOA_U
ClientSampleId :
RB04-20220523

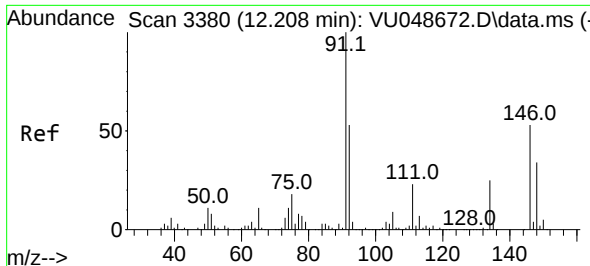
Tgt Ion: 75 Resp: 124254
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.303 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion: 105 Resp: 1790
Ion Ratio Lower Upper
105 100
120 33.4 22.5 67.5

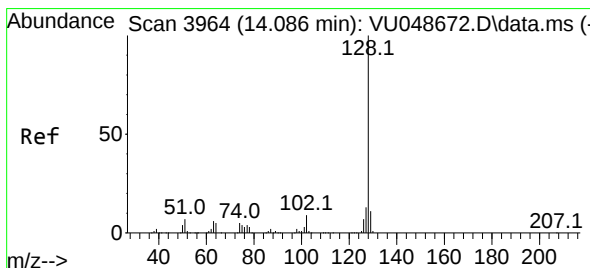
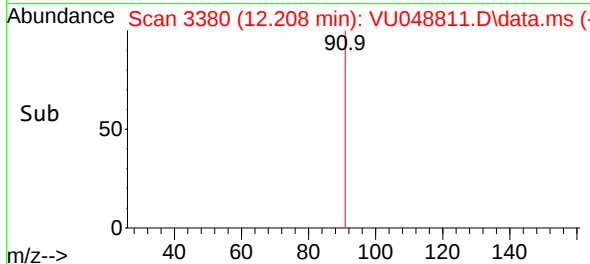
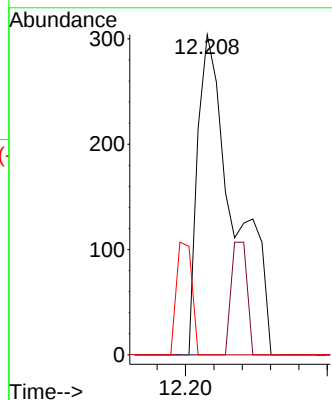
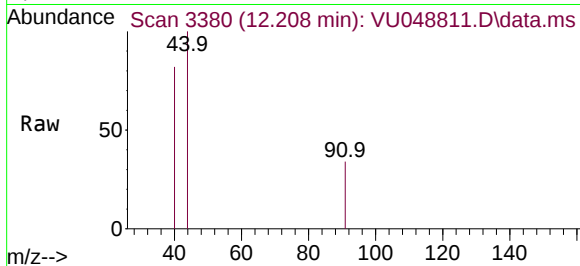




#89
n-Butylbenzene
Concen: 2.203 ug/l
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Instrument :
MSVOA_U
ClientSampleId :
RB04-20220523

Tgt Ion:	91	Resp:	271
Ion	Ratio	Lower	Upper
91	100		
92	15.1	25.9	77.8#
134	15.1	12.5	37.5



#95
Naphthalene
Concen: 3.889 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU048811.D
Acq: 02 Jun 2022 18:09

Tgt Ion:	128	Resp:	28048
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.4
129	9.3	8.7	13.1

