

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044834.D
 Acq On : 25 Sep 2021 14:13
 Operator : SY/MD
 Sample : M3829-10DL 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE105D2-20210917DL

Quant Time: Sep 27 01:30:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

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

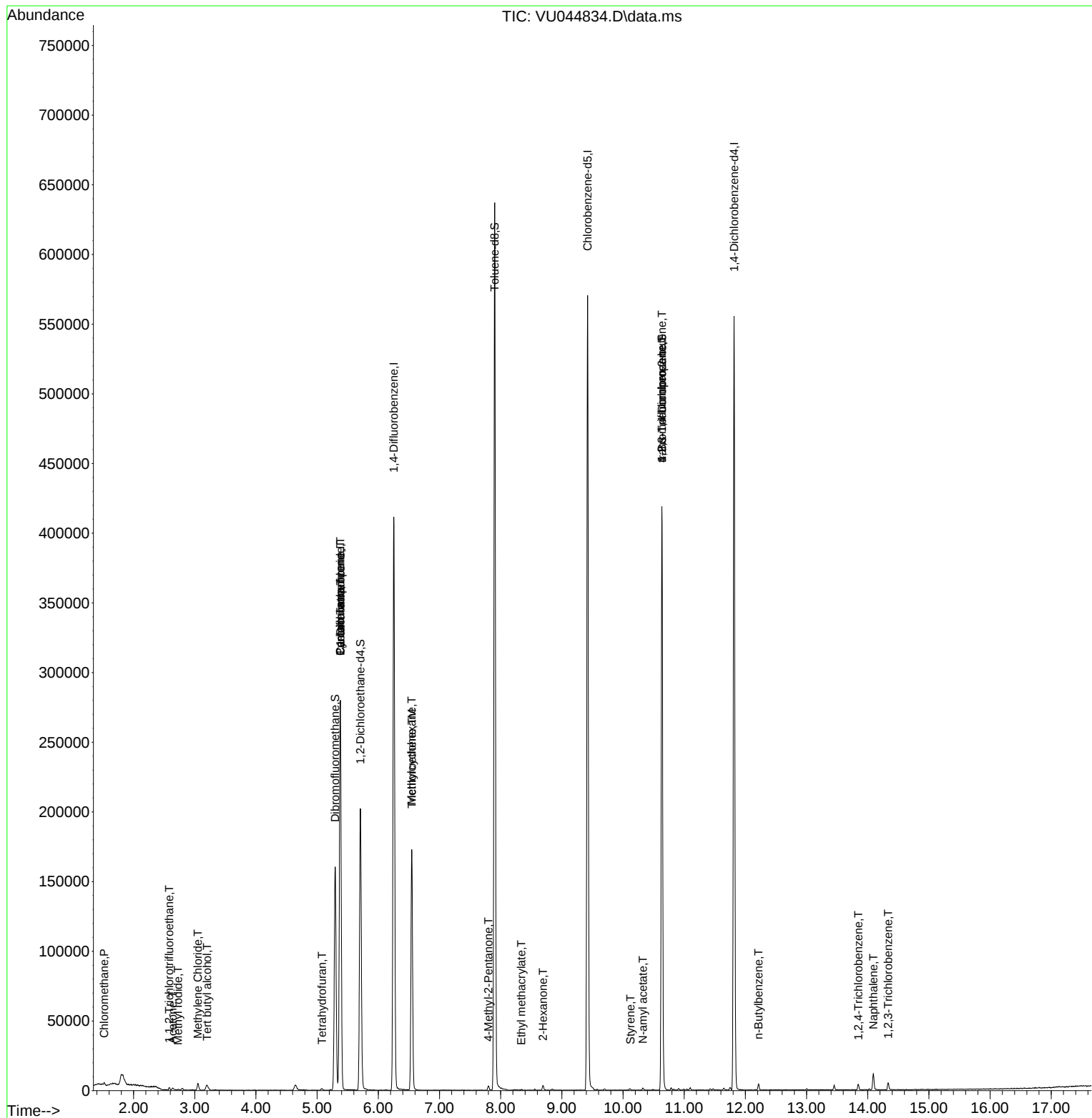
Internal Standards						
1) Pentafluorobenzene	5.378	168	178582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	314476	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	297371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	133697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	151035	48.459	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.920%	
35) Dibromofluoromethane	5.295	113	103486	47.969	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.940%	
50) Toluene-d8	7.902	98	403291	49.497	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.000%	
62) 4-Bromofluorobenzene	10.636	95	139142	45.978	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.960%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	746	0.230	ug/l	98
5) Bromomethane	1.855	94	817	Below Cal		90
6) Chloroethane	1.893	64	127	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.584	101	450	0.207	ug/l #	85
10) Methyl Iodide	2.729	142	795	0.337	ug/l #	61
11) Tert butyl alcohol	3.202	59	3242	3.564	ug/l #	72
16) Acetone	2.639	43	1726	0.982	ug/l	97
20) Methylene Chloride	3.051	84	2385	0.838	ug/l	97
29) Tetrahydrofuran	5.079	42	658	0.392	ug/l	93
31) Cyclohexane	5.378	56	4932	1.102	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	17635	5.285	ug/l #	49
38) Carbon Tetrachloride	5.378	117	18956	6.355	ug/l #	16
39) Methylcyclohexane	6.546	83	778	0.206	ug/l #	1
44) Trichloroethene	6.549	130	54870	22.442	ug/l	98
51) 4-Methyl-2-Pentanone	7.800	43	2161	0.443	ug/l	94
56) Ethyl methacrylate	8.337	69	242	1.936	ug/l #	70
59) 2-Hexanone	8.690	43	2778	0.709	ug/l	92
70) Styrene	10.121	104	436	1.067	ug/l #	73
74) N-amyl acetate	10.324	43	1074	0.222	ug/l #	78
76) 1,2,3-Trichloropropane	10.636	75	75686	18.695	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	75686	60.560	ug/l #	9
89) n-Butylbenzene	12.214	91	1861	1.491	ug/l	96
93) 1,2,4-Trichlorobenzene	13.848	180	1529	0.594	ug/l	94
95) Naphthalene	14.092	128	10389	1.937	ug/l	96
96) 1,2,3-Trichlorobenzene	14.333	180	1866	0.712	ug/l	98

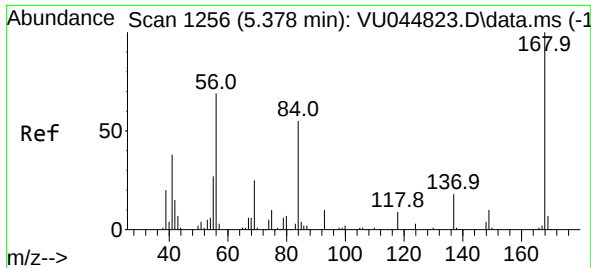
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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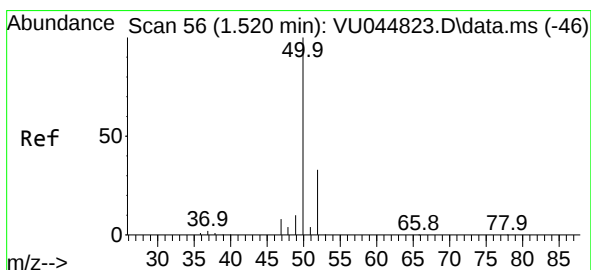
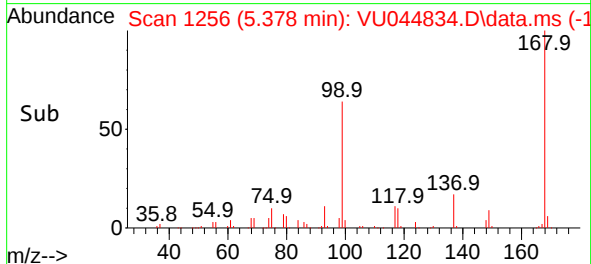
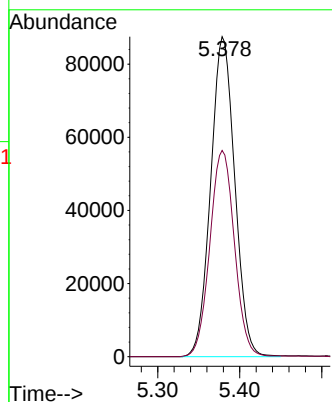
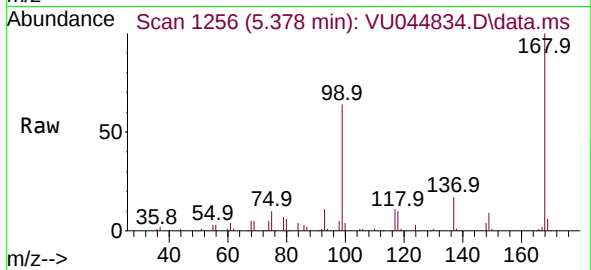




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

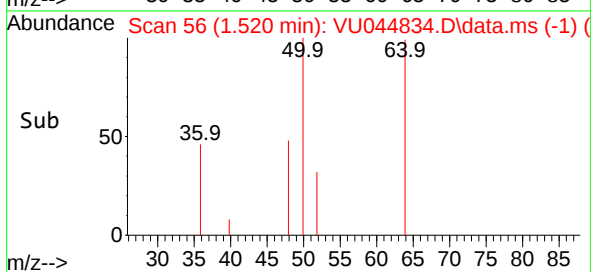
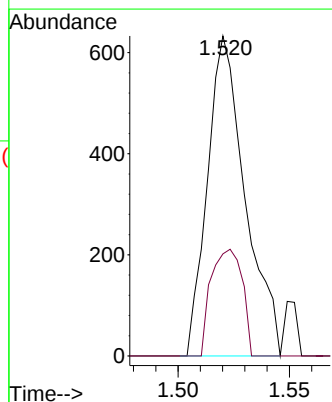
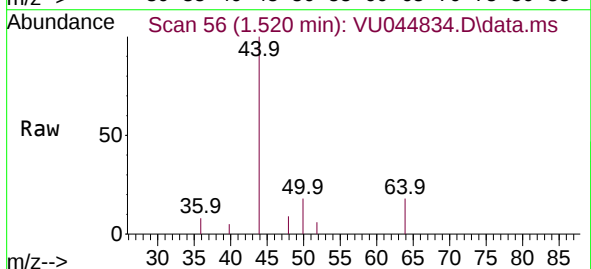
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL

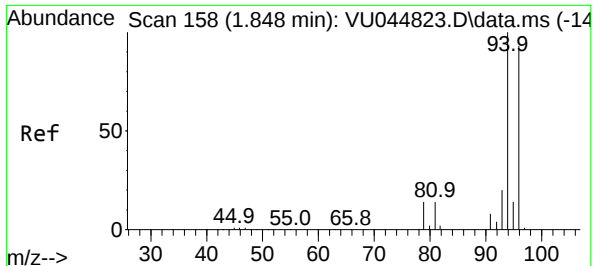
Tgt Ion:168 Resp: 178582
Ion Ratio Lower Upper
168 100
99 64.5 51.4 77.0



#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

Tgt Ion: 50 Resp: 746
Ion Ratio Lower Upper
50 100
52 31.9 26.3 39.5

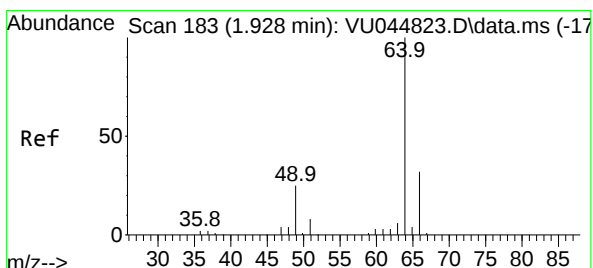
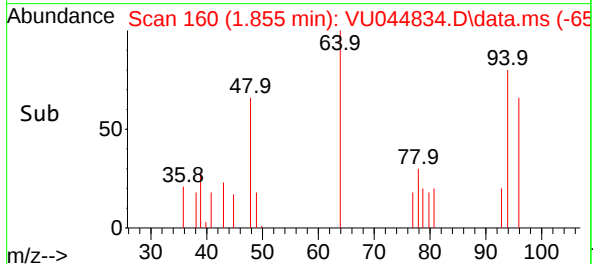
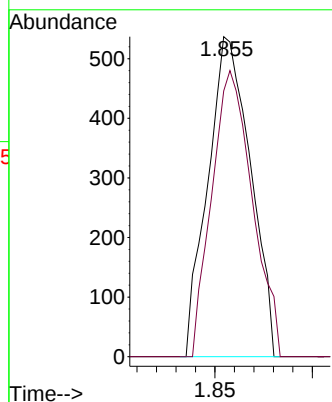
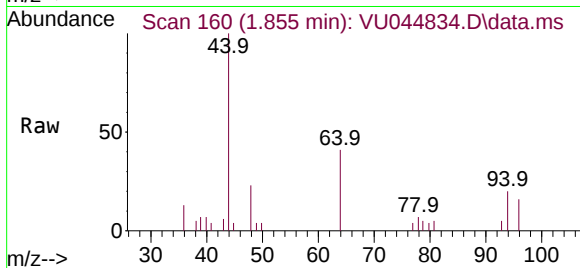




#5
Bromomethane
Concen: Below Cal
RT: 1.855 min Scan# 160
Delta R.T. 0.006 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

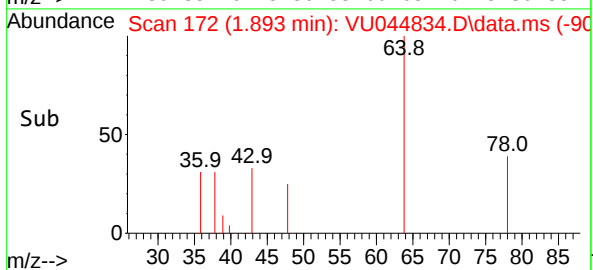
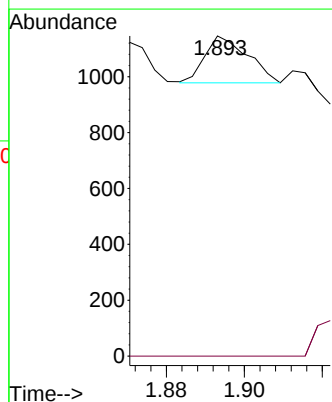
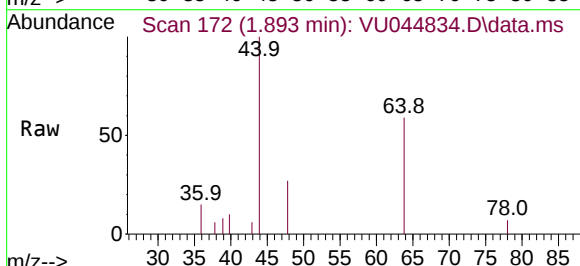
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL

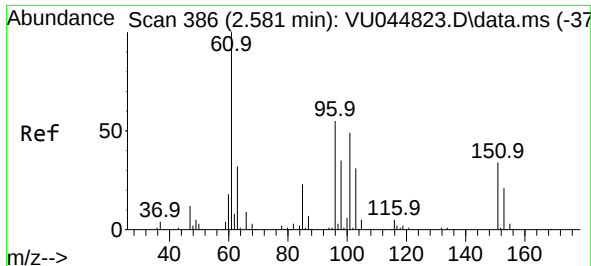
Tgt Ion: 94 Resp: 817
Ion Ratio Lower Upper
94 100
96 83.1 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.893 min Scan# 172
Delta R.T. -0.035 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

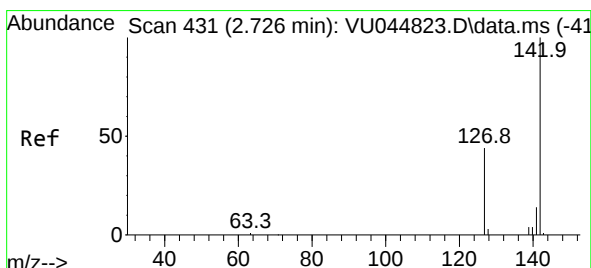
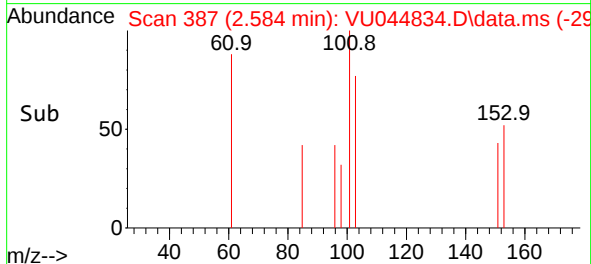
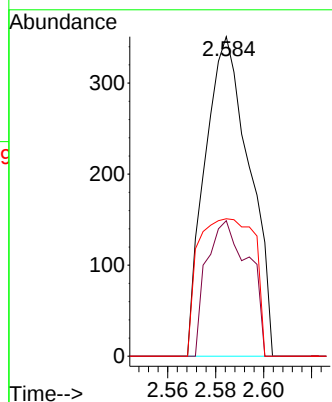
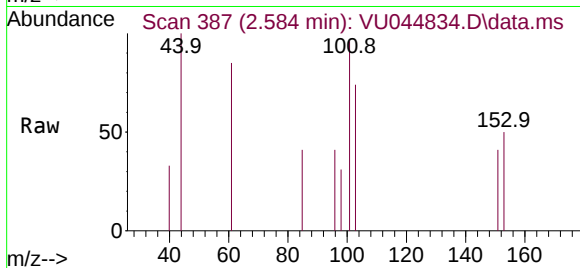




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.207 ug/l
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

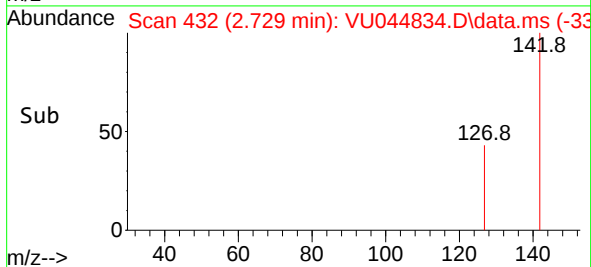
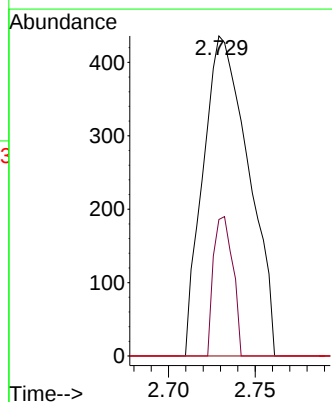
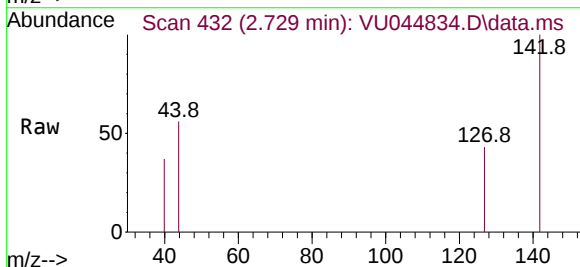
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL

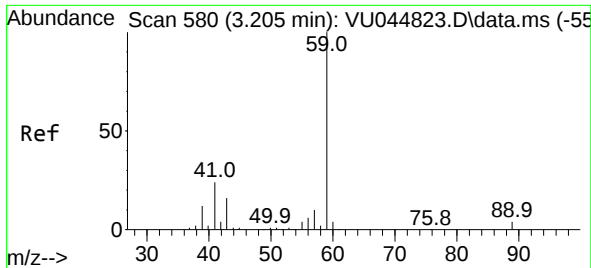
Tgt Ion:101 Resp: 450
Ion Ratio Lower Upper
101 100
85 40.2 37.2 55.8
151 54.2 55.8 83.8#



#10
Methyl Iodide
Concen: 0.337 ug/l
RT: 2.729 min Scan# 432
Delta R.T. 0.003 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

Tgt Ion:142 Resp: 795
Ion Ratio Lower Upper
142 100
127 18.5 35.6 53.4#
141 0.0 11.3 16.9#



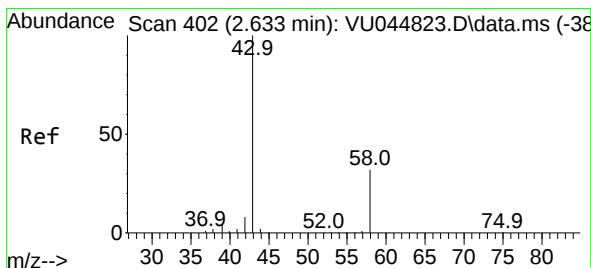
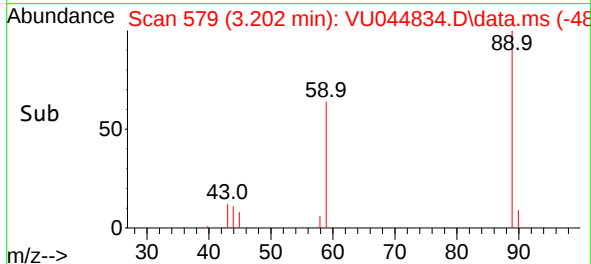
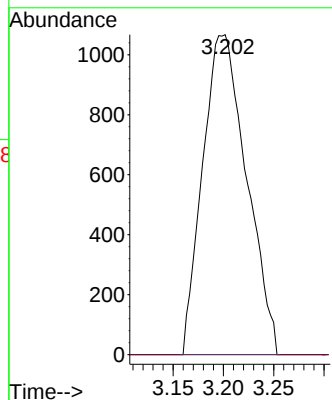
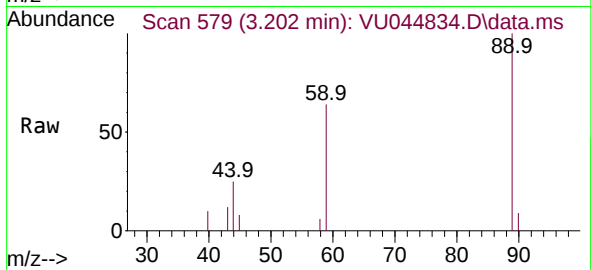


#11

Tert butyl alcohol
Concen: 3.564 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.003 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL

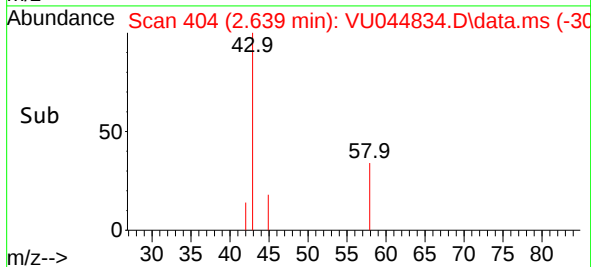
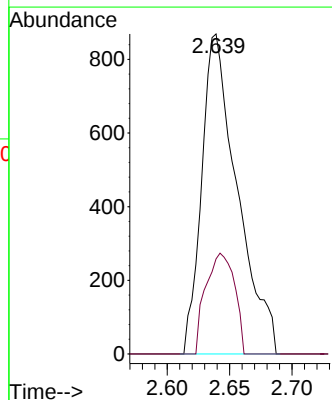
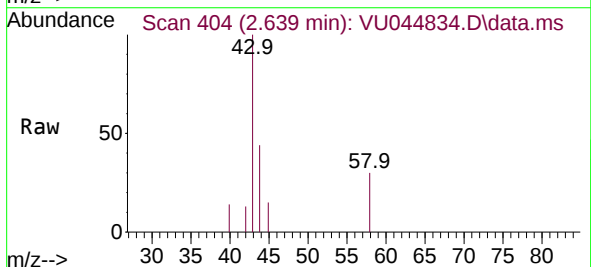
Tgt Ion: 59 Resp: 3242
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

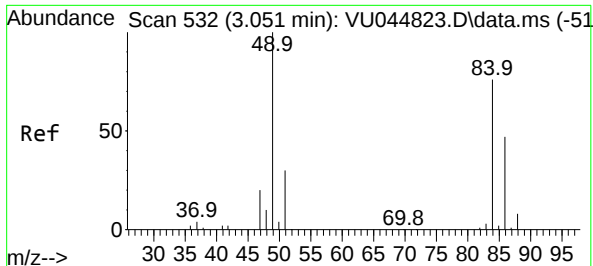


#16

Acetone
Concen: 0.982 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.006 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

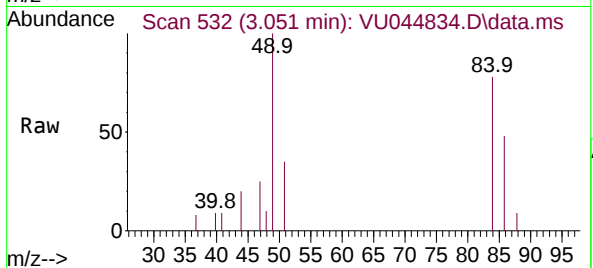
Tgt Ion: 43 Resp: 1726
Ion Ratio Lower Upper
43 100
58 29.7 25.2 37.8



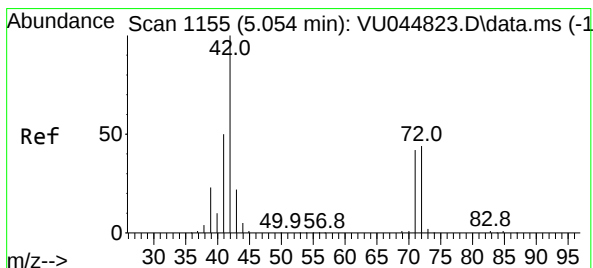
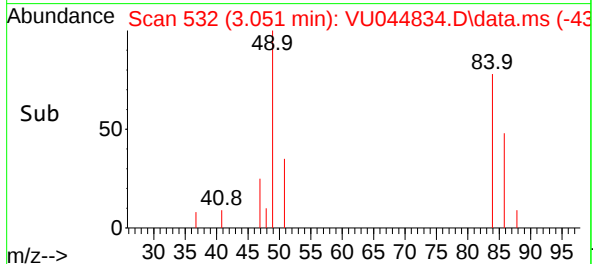
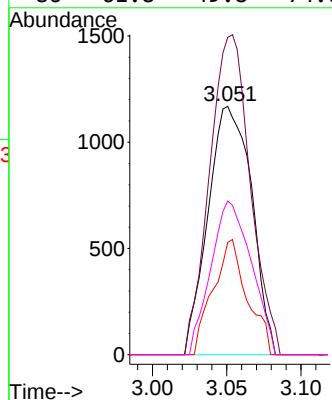


#20
Methylene Chloride
Concen: 0.838 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

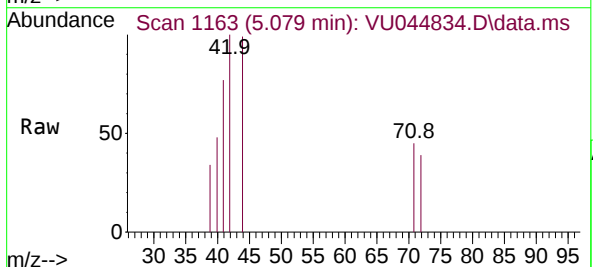
Instrument :
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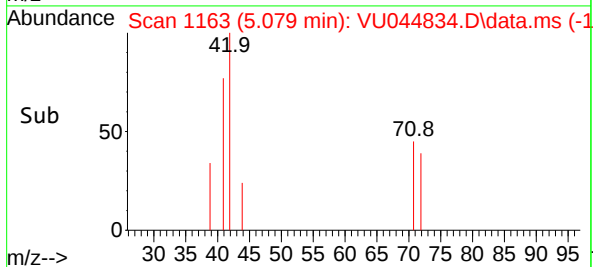
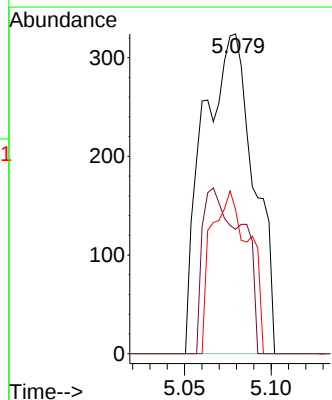
Tgt Ion:	84	Resp:	2385
Ion	Ratio	Lower	Upper
84	100		
49	127.7	104.9	157.3
51	45.3	31.8	47.8
86	61.8	49.8	74.6

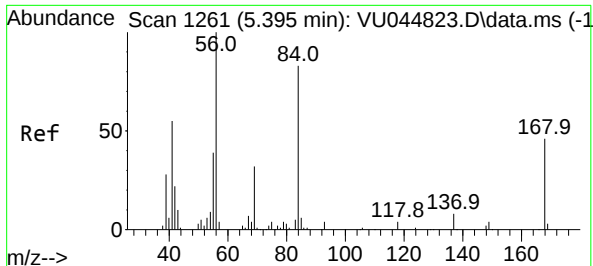


#29
Tetrahydrofuran
Concen: 0.392 ug/l
RT: 5.079 min Scan# 1163
Delta R.T. 0.026 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13



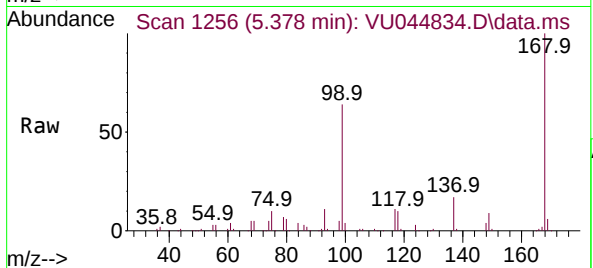
Tgt Ion:	42	Resp:	658
Ion	Ratio	Lower	Upper
42	100		
72	40.6	36.2	54.4
71	38.3	34.1	51.1



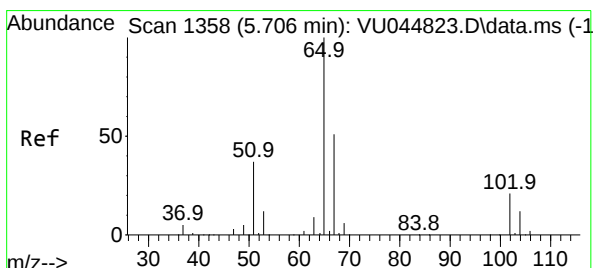
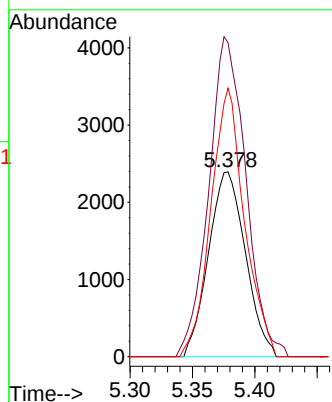
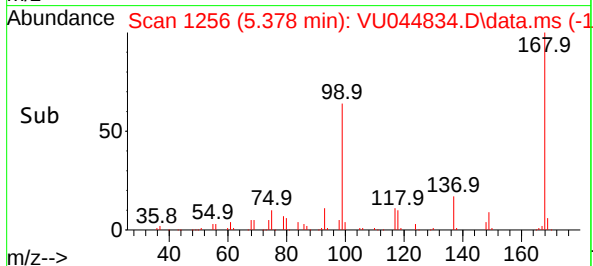


#31
Cyclohexane
Concen: 1.102 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

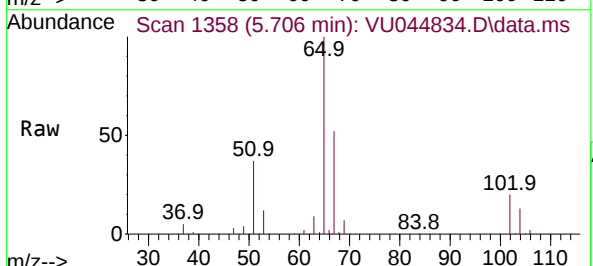
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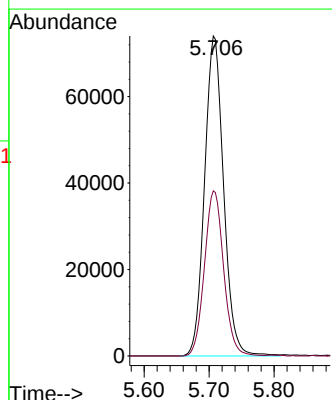
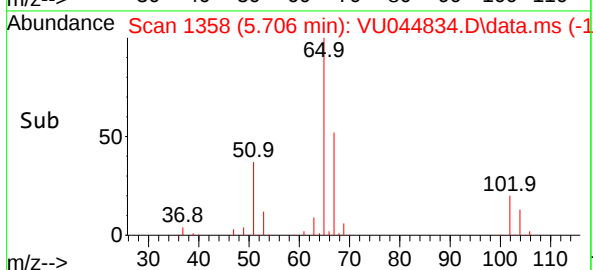
Tgt Ion: 56 Resp: 4932
Ion Ratio Lower Upper
56 100
69 165.7 25.2 37.8#
84 145.3 66.4 99.6#

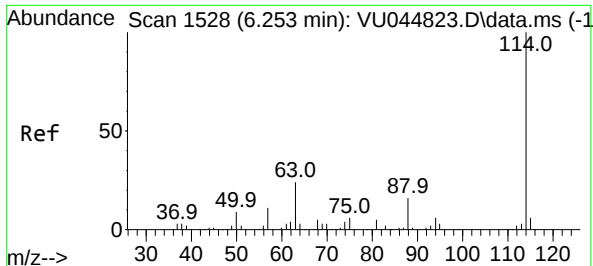


#33
1,2-Dichloroethane-d4
Concen: 48.459 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13



Tgt Ion: 65 Resp: 151035
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU044834.D

Acq: 25 Sep 2021 14:13

Tgt Ion:114 Resp: 314476

Ion Ratio Lower Upper

114 100

63 24.3 0.0 47.8

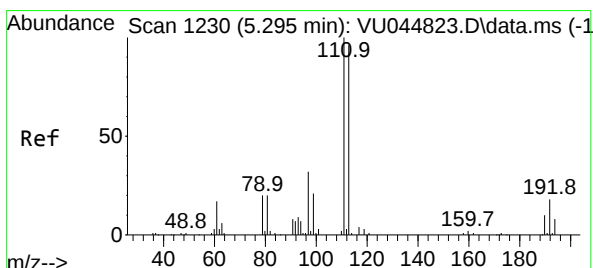
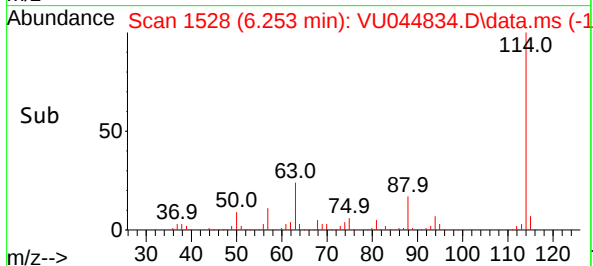
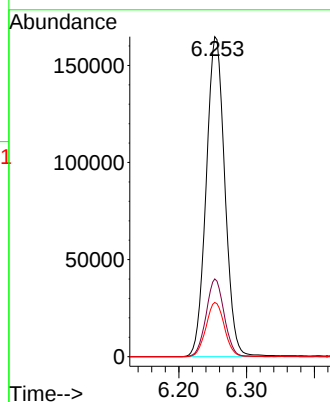
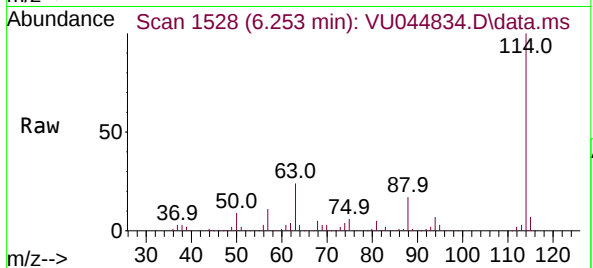
88 17.0 0.0 32.8

Instrument :

MSVOA_U

ClientSampleId :

RE105D2-20210917DL



#35

Dibromofluoromethane

Concen: 47.969 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VU044834.D

Acq: 25 Sep 2021 14:13

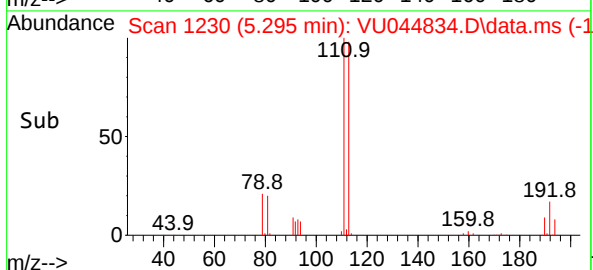
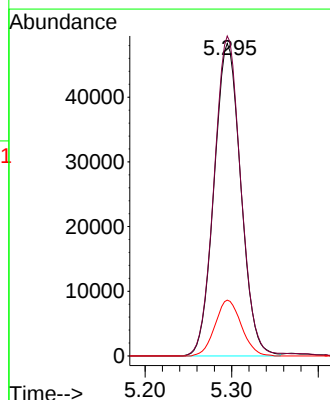
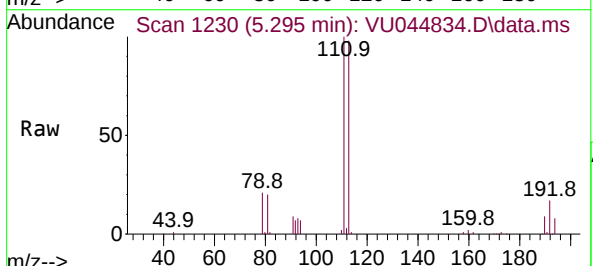
Tgt Ion:113 Resp: 103486

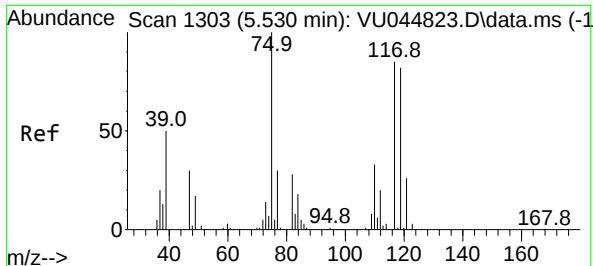
Ion Ratio Lower Upper

113 100

111 102.6 84.1 126.1

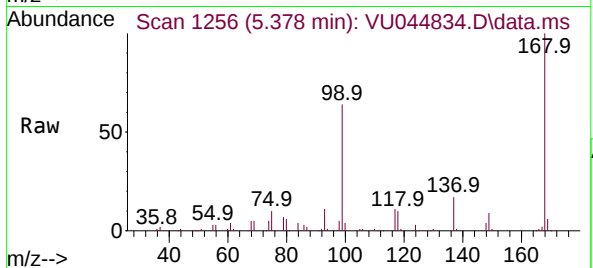
192 17.6 14.8 22.2



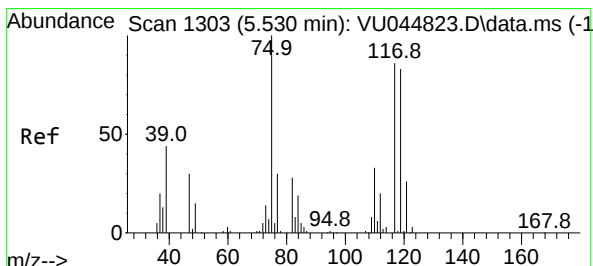
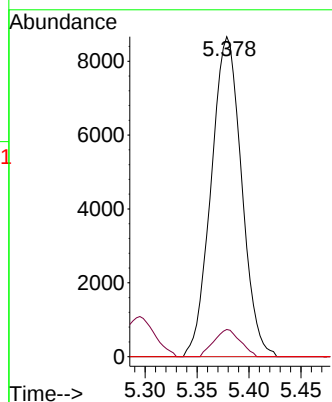
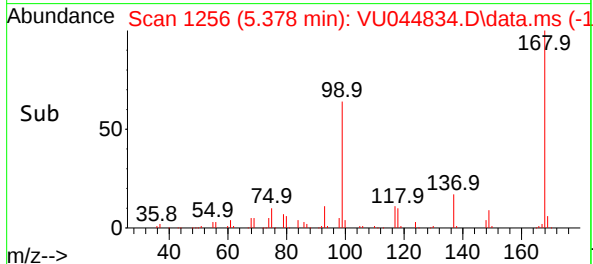


#36
1,1-Dichloropropene
Concen: 5.285 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

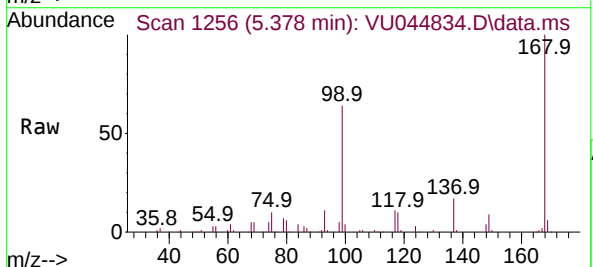
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL



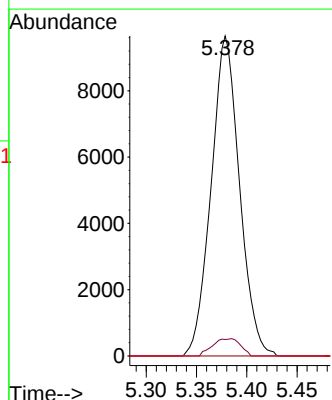
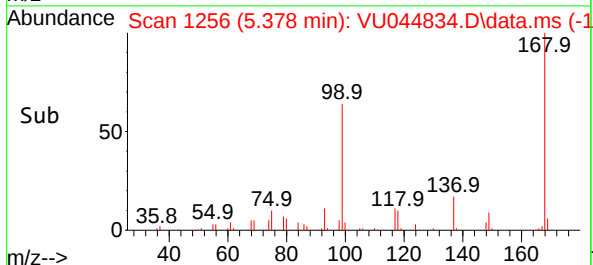
Tgt Ion: 75 Resp: 17635
Ion Ratio Lower Upper
75 100
110 7.3 16.3 48.9#
77 0.0 25.0 37.4#

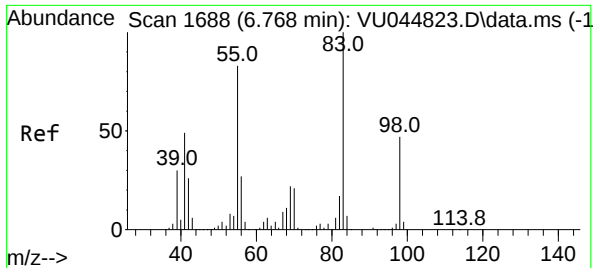


#38
Carbon Tetrachloride
Concen: 6.355 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13



Tgt Ion: 117 Resp: 18956
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.2#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 0.206 ug/l

RT: 6.546 min Scan# 1619

Delta R.T. -0.222 min

Lab File: VU044834.D

Acq: 25 Sep 2021 14:13

Tgt Ion: 83 Resp: 778

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

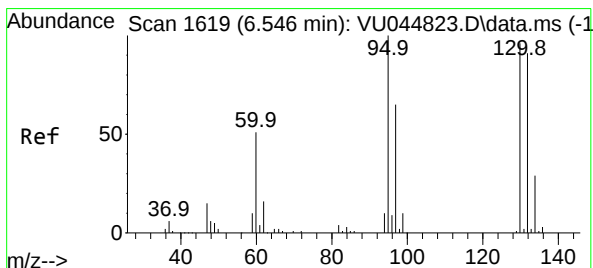
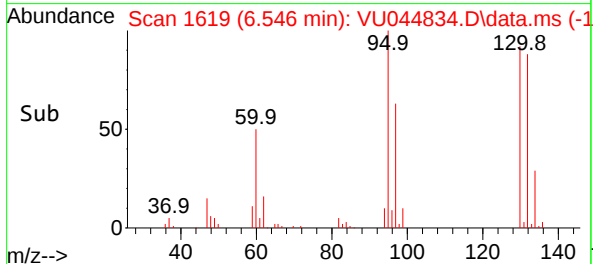
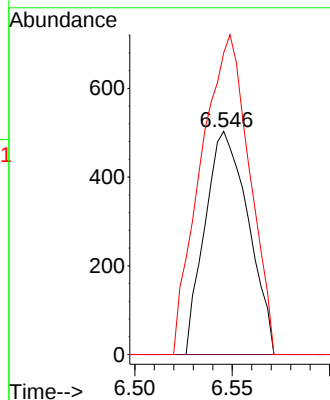
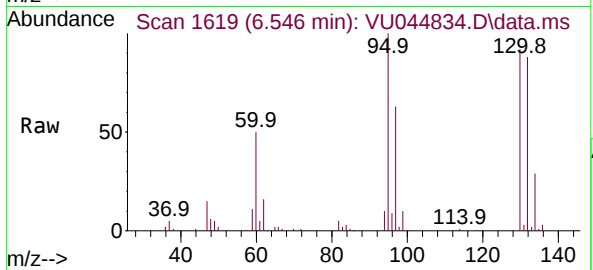
98 135.2 37.5 56.3#

Instrument :

MSVOA_U

ClientSampleId :

RE105D2-20210917DL



#44

Trichloroethene

Concen: 22.442 ug/l

RT: 6.549 min Scan# 1620

Delta R.T. 0.003 min

Lab File: VU044834.D

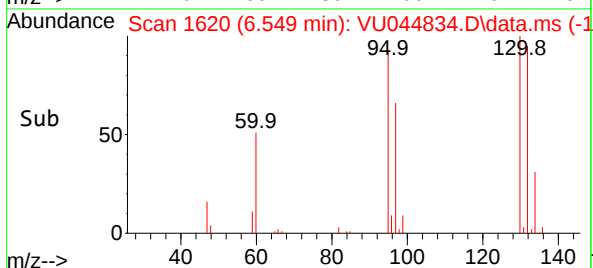
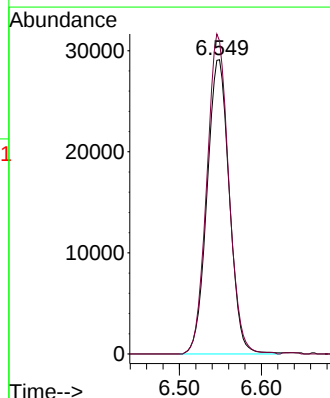
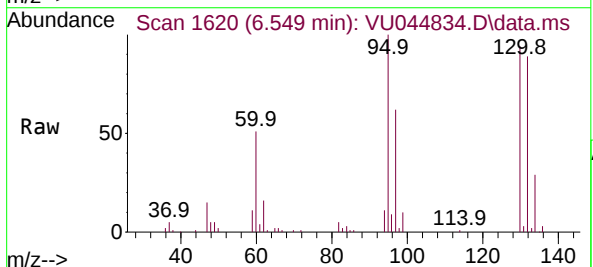
Acq: 25 Sep 2021 14:13

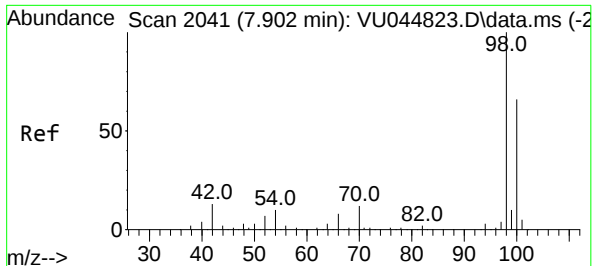
Tgt Ion:130 Resp: 54870

Ion Ratio Lower Upper

130 100

95 106.3 0.0 209.0





#50

Toluene-d8

Concen: 49.497 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU044834.D

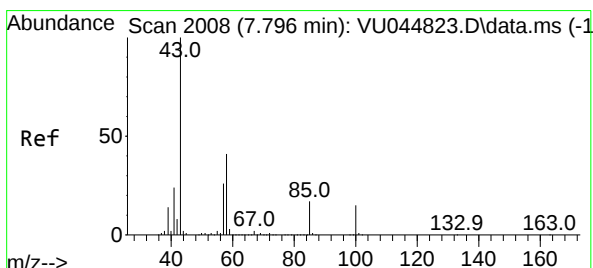
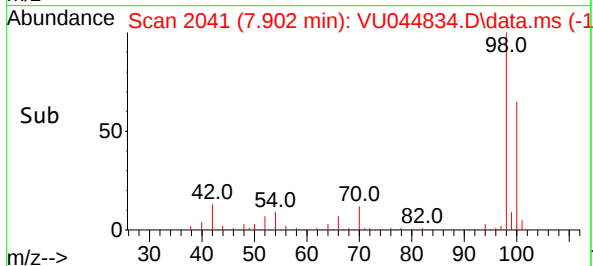
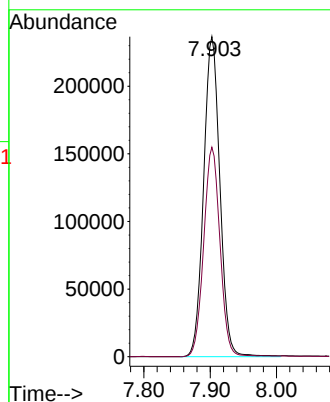
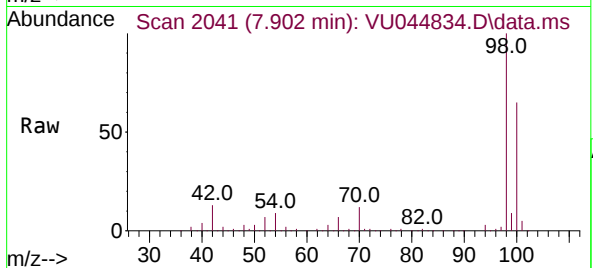
Acq: 25 Sep 2021 14:13

Tgt Ion: 98 Resp: 403291

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.443 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. 0.003 min

Lab File: VU044834.D

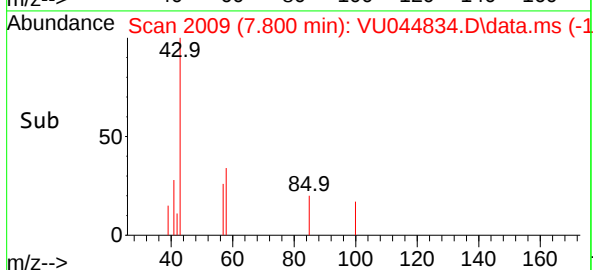
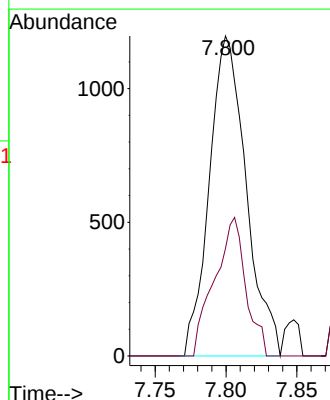
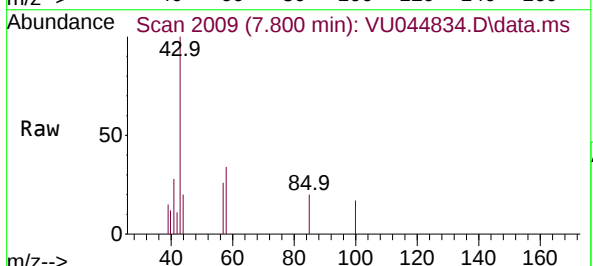
Acq: 25 Sep 2021 14:13

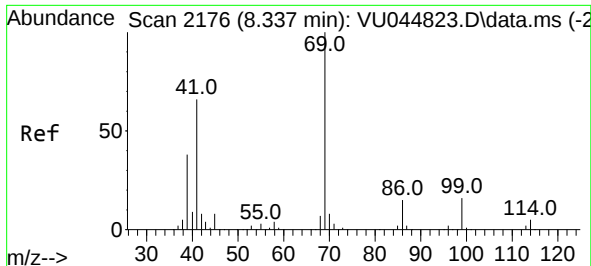
Tgt Ion: 43 Resp: 2161

Ion Ratio Lower Upper

43 100

58 36.7 32.4 48.6

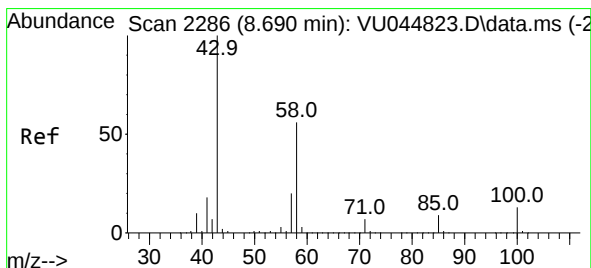
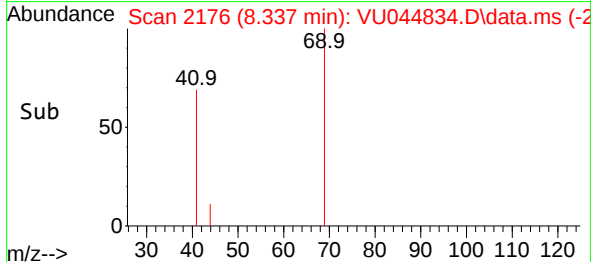
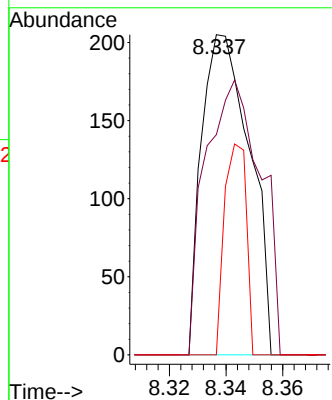
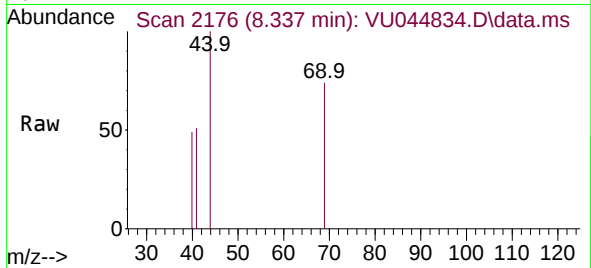




#56
Ethyl methacrylate
Concen: 1.936 ug/l
RT: 8.337 min Scan# 2176
Delta R.T. -0.000 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

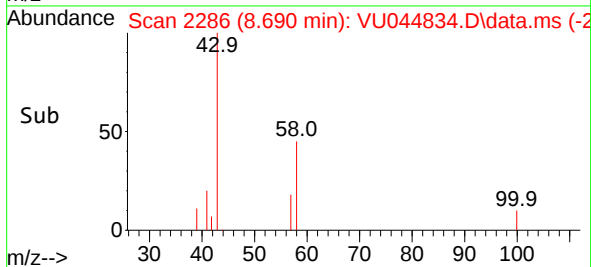
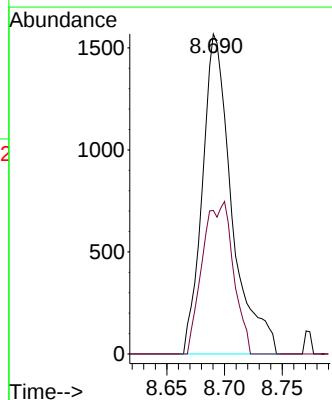
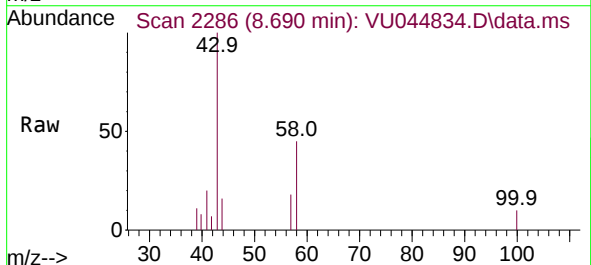
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL

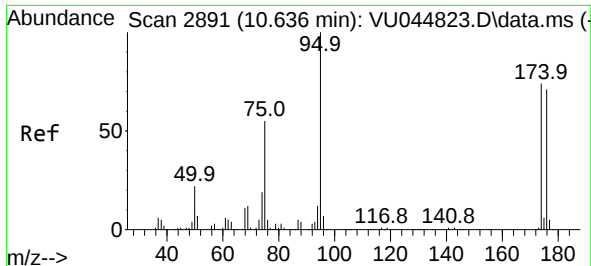
Tgt Ion:	69	Resp:	242
Ion	Ratio	Lower	Upper
69	100		
41	97.9	53.5	80.3#
39	29.8	31.1	46.7#



#59
2-Hexanone
Concen: 0.709 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.000 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

Tgt Ion:	43	Resp:	2778
Ion	Ratio	Lower	Upper
43	100		
58	49.9	28.0	84.0

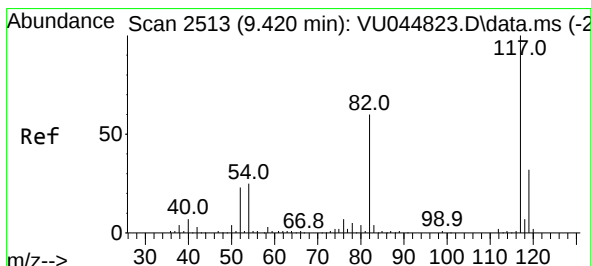
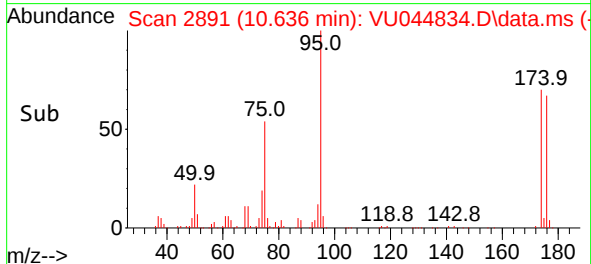
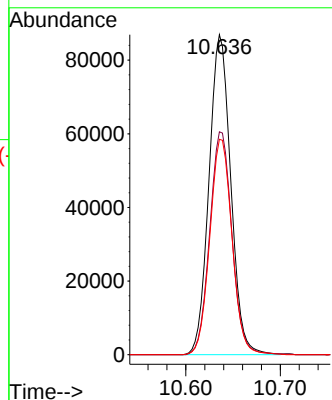
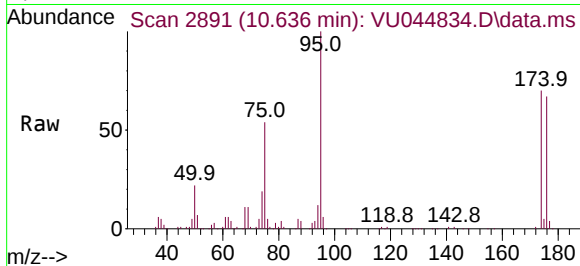




#62
4-Bromofluorobenzene
Concen: 45.978 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

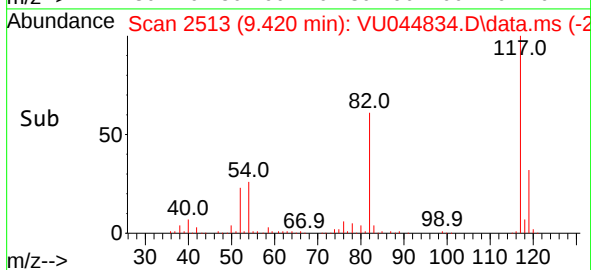
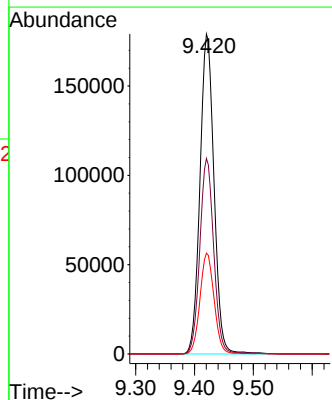
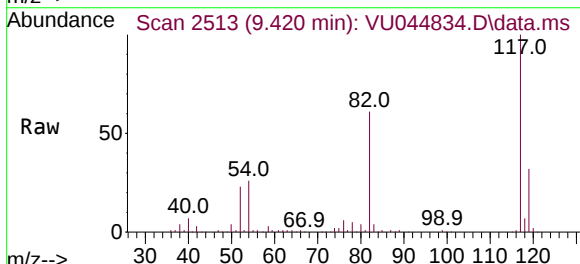
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL

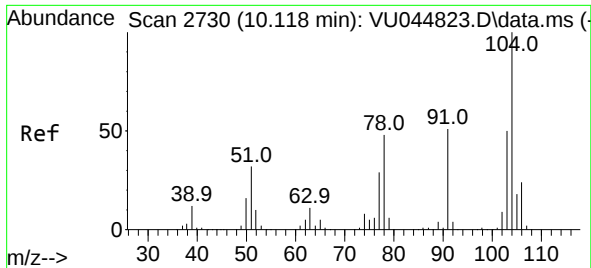
Tgt Ion: 95 Resp: 139142
Ion Ratio Lower Upper
95 100
174 71.2 0.0 146.6
176 68.6 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

Tgt Ion: 117 Resp: 297371
Ion Ratio Lower Upper
117 100
82 61.1 47.8 71.8
119 31.5 25.8 38.6

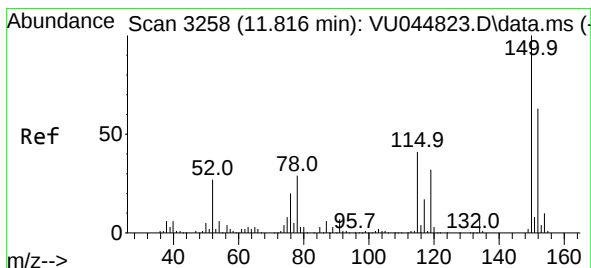
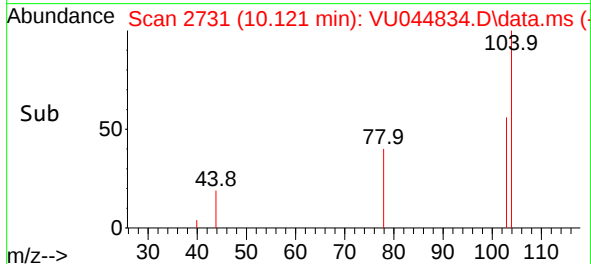
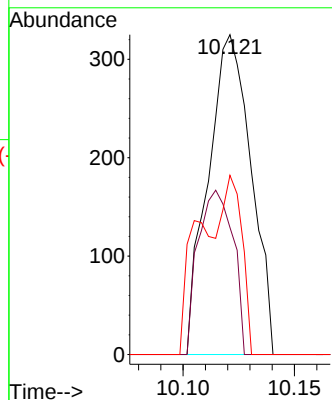
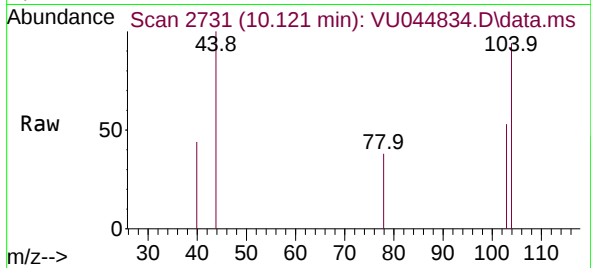




#70
Styrene
Concen: 1.067 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

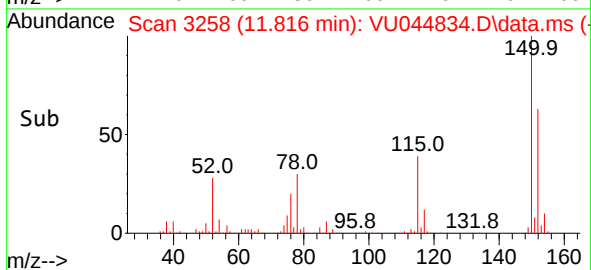
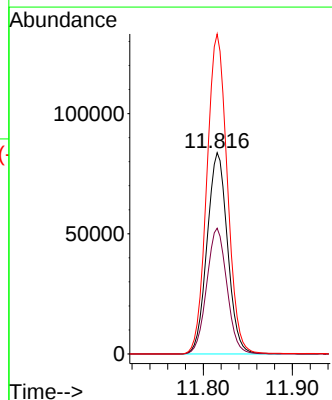
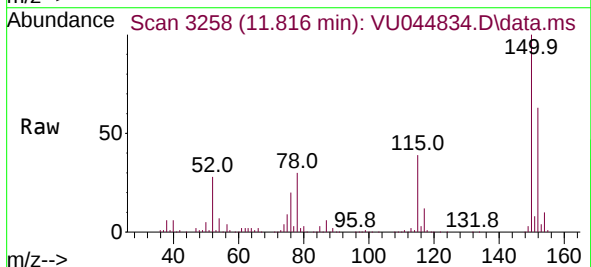
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL

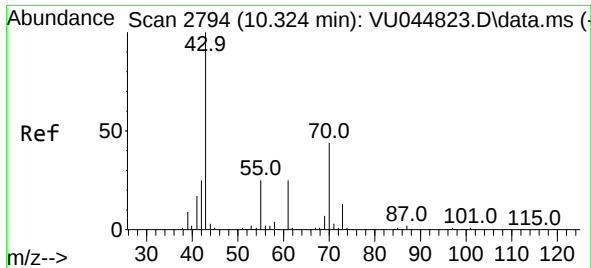
Tgt Ion:104 Resp: 436
Ion Ratio Lower Upper
104 100
78 41.5 41.4 62.0
103 26.4 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

Tgt Ion:152 Resp: 133697
Ion Ratio Lower Upper
152 100
115 61.7 43.5 130.7
150 158.9 0.0 350.0

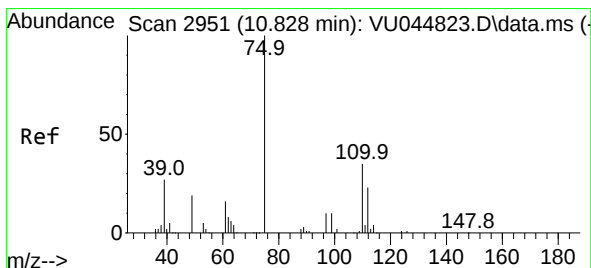
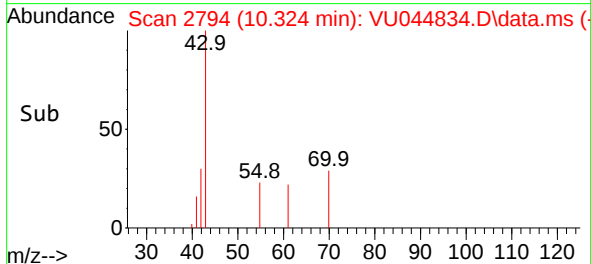
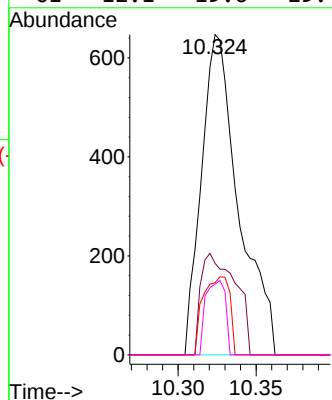
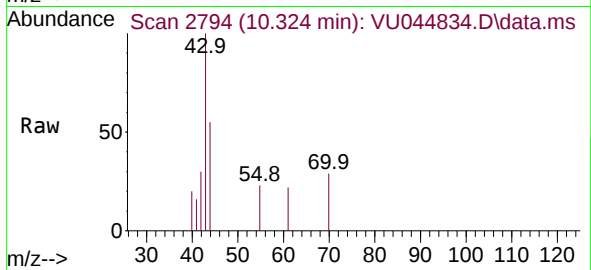




#74
N-amy1 acetate
Concen: 0.222 ug/l
RT: 10.324 min Scan# 2794
Delta R.T. -0.000 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

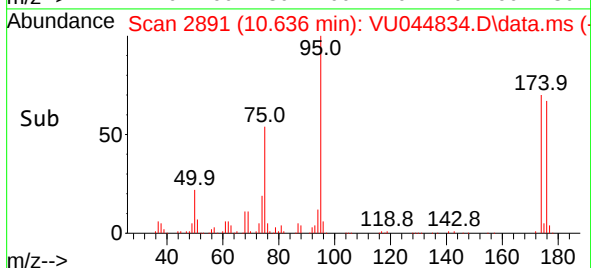
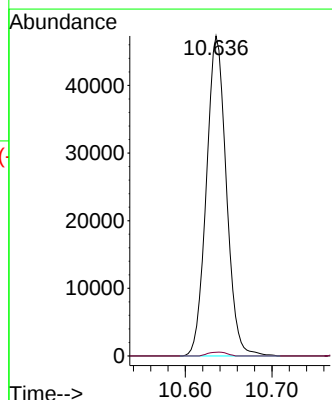
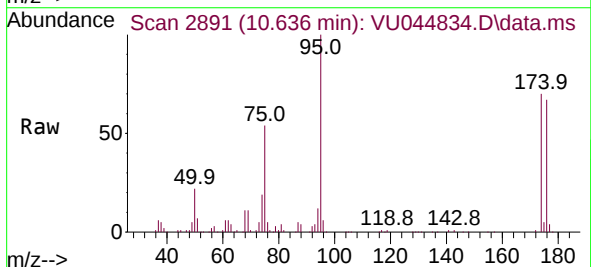
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL

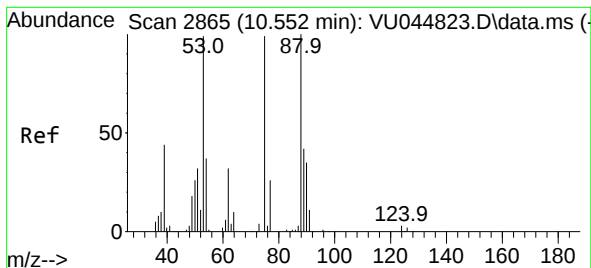
Tgt Ion:	43	Resp:	1074
Ion	Ratio	Lower	Upper
43	100		
70	29.3	35.1	52.7#
55	17.2	20.5	30.7#
61	12.1	19.6	29.4#



#76
1,2,3-Trichloropropane
Concen: 18.695 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

Tgt Ion:	75	Resp:	75686
Ion	Ratio	Lower	Upper
75	100		
77	1.2	17.9	53.7#

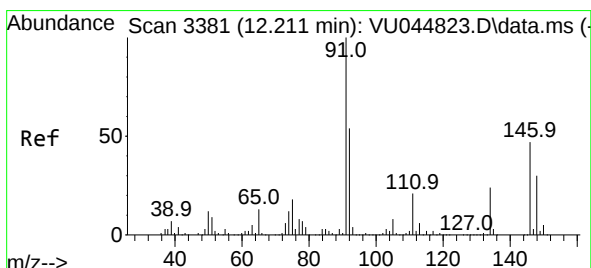
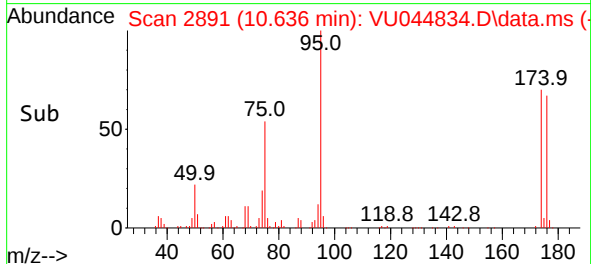
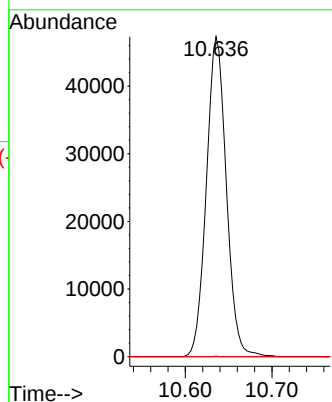
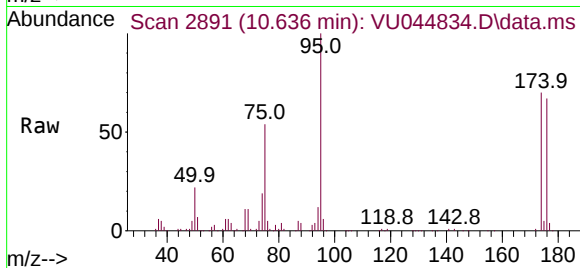




#81
trans-1,4-Dichloro-2-butene
Concen: 60.560 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

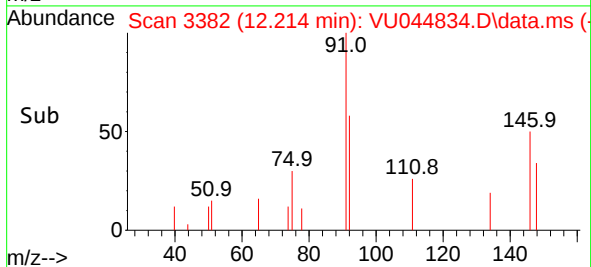
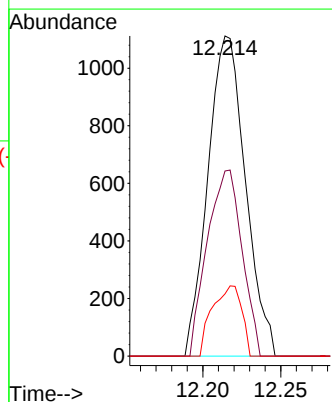
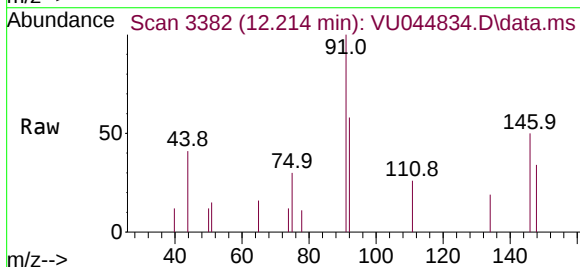
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL

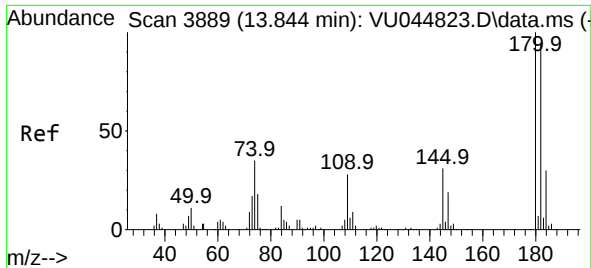
Tgt Ion: 75 Resp: 75686
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#89
n-Butylbenzene
Concen: 1.491 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

Tgt Ion: 91 Resp: 1861
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.4
134 17.1 11.8 35.4

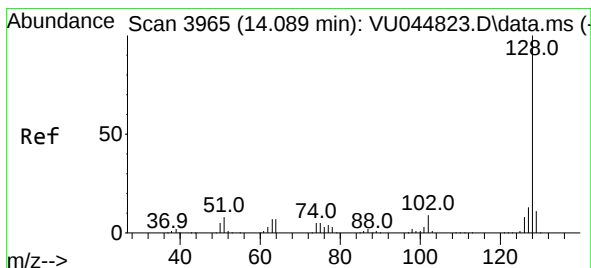
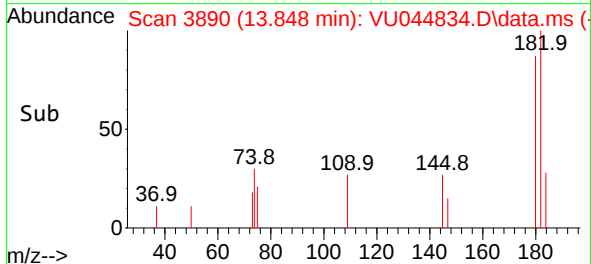
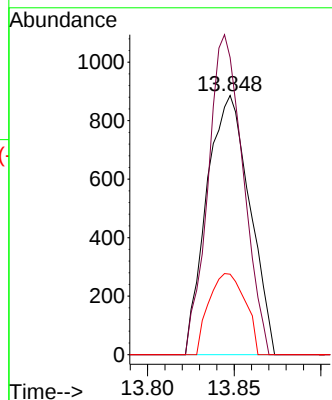
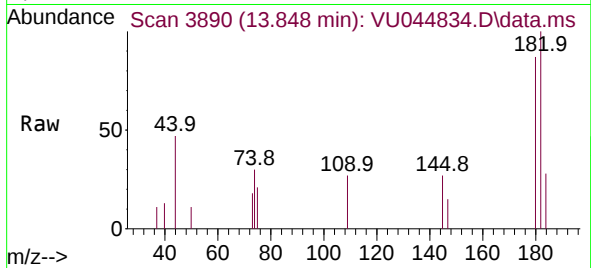




#93
1,2,4-Trichlorobenzene
Concen: 0.594 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.003 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

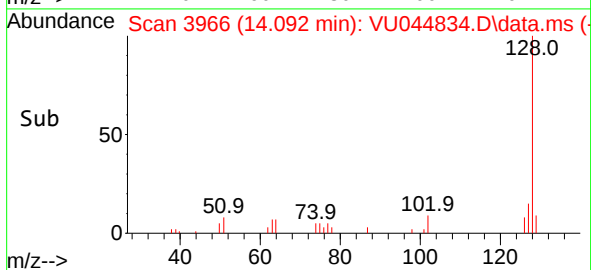
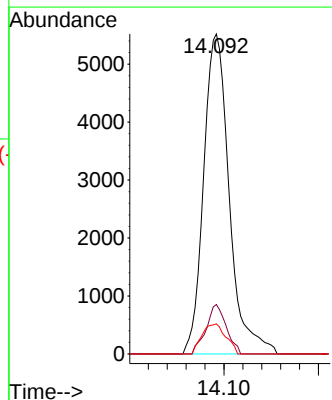
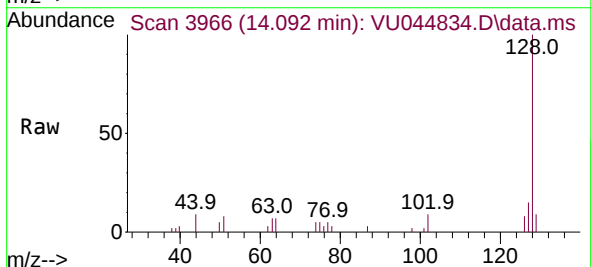
Instrument :
MSVOA_U
ClientSampleId :
RE105D2-20210917DL

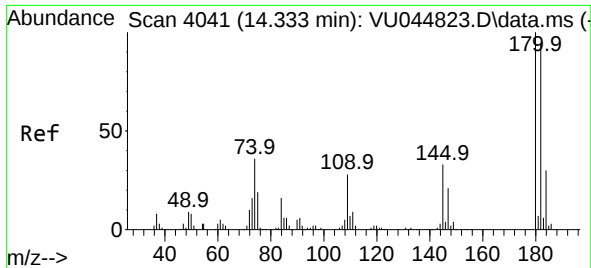
Tgt Ion:180 Resp: 1529
Ion Ratio Lower Upper
180 100
182 100.7 47.4 142.3
145 26.3 15.4 46.2



#95
Naphthalene
Concen: 1.937 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044834.D
Acq: 25 Sep 2021 14:13

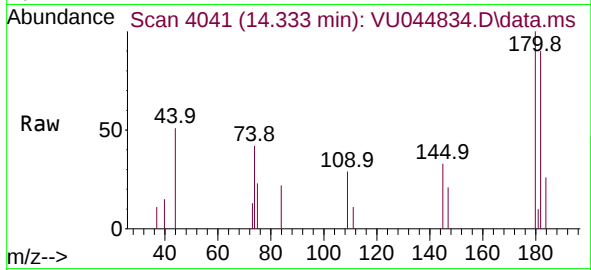
Tgt Ion:128 Resp: 10389
Ion Ratio Lower Upper
128 100
127 12.1 10.4 15.6
129 8.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.712 ug/l
 RT: 14.333 min Scan# 4041
 Delta R.T. -0.000 min
 Lab File: VU044834.D
 Acq: 25 Sep 2021 14:13

Instrument :
 MSVOA_U
 ClientSampleId :
 RE105D2-20210917DL



Tgt Ion:180 Resp: 1866
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.1 141.4
 145 29.4 16.4 49.2

