

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044899.D
 Acq On : 27 Sep 2021 19:16
 Operator : SY/MD
 Sample : M3888-11DL2 500X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 40458DL2

Quant Time: Sep 27 19:31:12 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

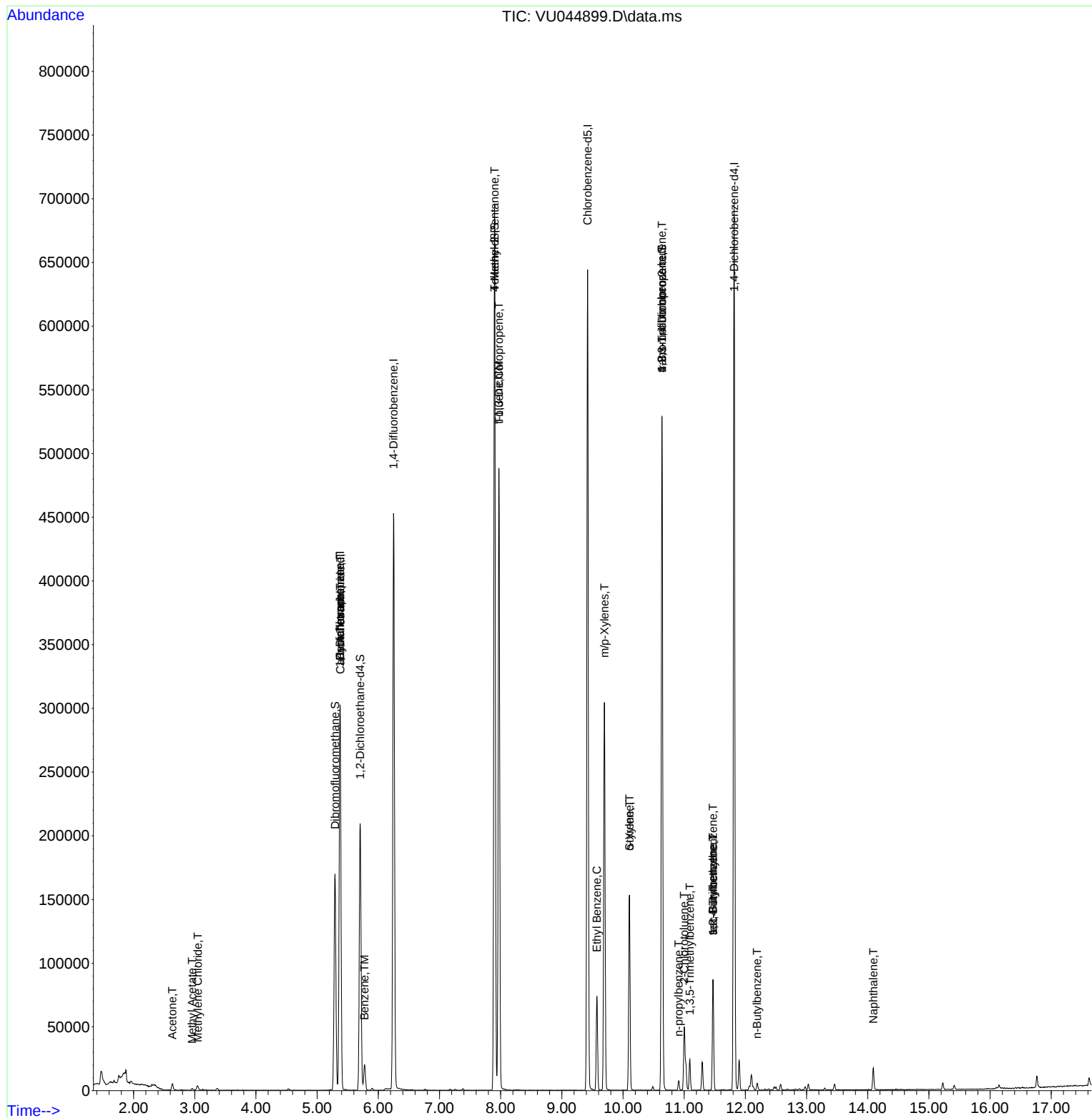
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.375	168	197294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	346346	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	329426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	166121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	157733	45.808	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.620%	
35) Dibromofluoromethane	5.292	113	107081	45.068	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.140%	
50) Toluene-d8	7.899	98	438749	48.893	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.780%	
62) 4-Bromofluorobenzene	10.639	95	177511	53.259	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.832	94	457	Below Cal		89
16) Acetone	2.633	43	6312	3.250	ug/l	96
18) Methyl Acetate	2.957	43	1829	0.282	ug/l #	83
20) Methylene Chloride	3.051	84	1565	0.498	ug/l #	83
31) Cyclohexane	5.375	56	5703	1.154	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	18629	5.069	ug/l #	50
38) Carbon Tetrachloride	5.379	117	21272	6.475	ug/l #	15
40) Benzene	5.774	78	17776	1.587	ug/l	97
51) 4-Methyl-2-Pentanone	7.899	43	2074	0.386	ug/l #	1
52) Toluene	7.970	92	199728	29.817	ug/l	100
53) t-1,3-Dichloropropene	7.970	75	2368	0.573	ug/l #	1
67) Ethyl Benzene	9.575	91	51447	4.215	ug/l	99
68) m/p-Xylenes	9.697	106	83942	17.980	ug/l	97
69) o-Xylene	10.105	106	39624	8.777	ug/l	98
70) Styrene	10.105	104	2202	1.267	ug/l #	1
76) 1,2,3-Trichloropropane	10.636	75	96619	19.207	ug/l #	41
78) n-propylbenzene	10.909	91	6569	0.460	ug/l	95
79) 2-Chlorotoluene	10.999	91	5543	0.637	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.092	105	12890	1.291	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.636	75	96619	62.220	ug/l #	9
83) tert-Butylbenzene	11.472	119	5630	0.584	ug/l #	56
84) 1,2,4-Trimethylbenzene	11.472	105	46981	4.772	ug/l	98
85) sec-Butylbenzene	11.472	105	46981	3.771	ug/l #	58
89) n-Butylbenzene	12.192	91	315	1.305	ug/l #	1
95) Naphthalene	14.092	128	13903	2.014	ug/l	97

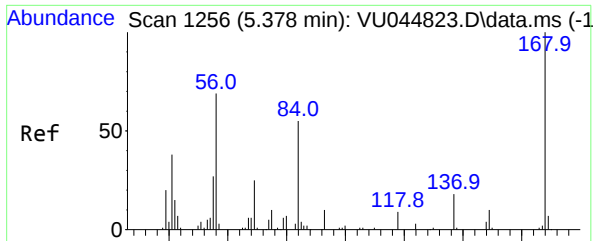
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Sep 27 19:31:12 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

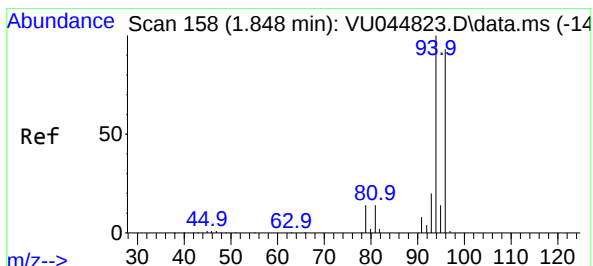
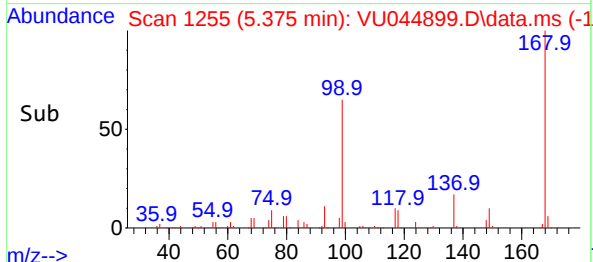
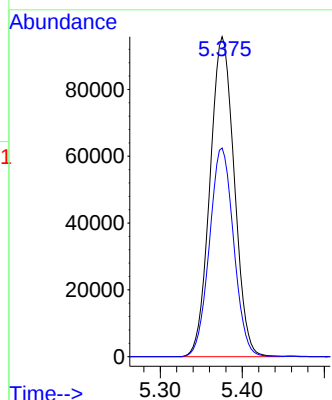
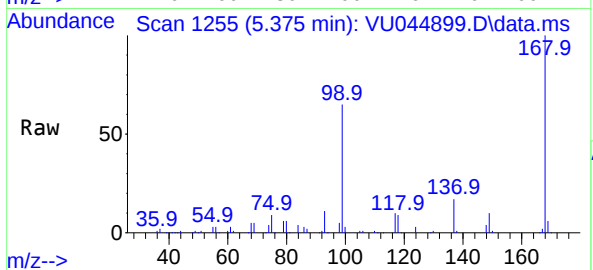




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

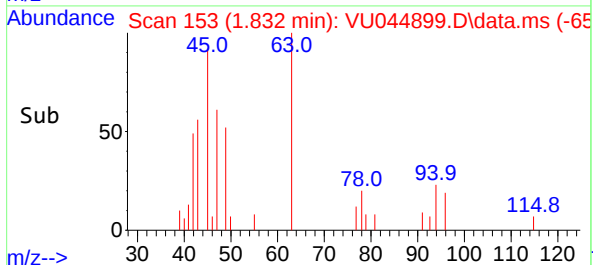
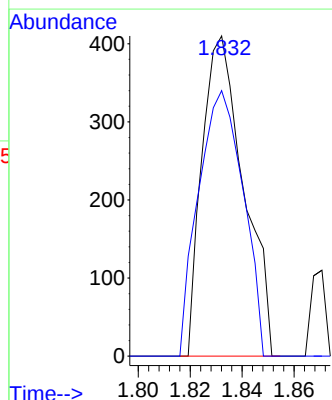
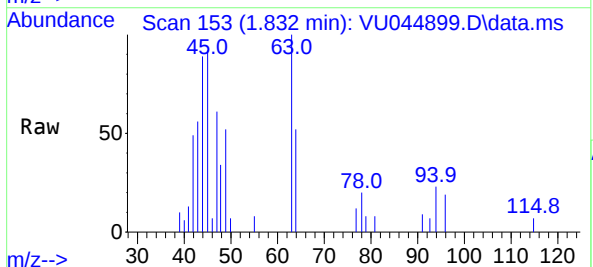
Instrument :
MSVOA_U
ClientSampleId :
40458DL2

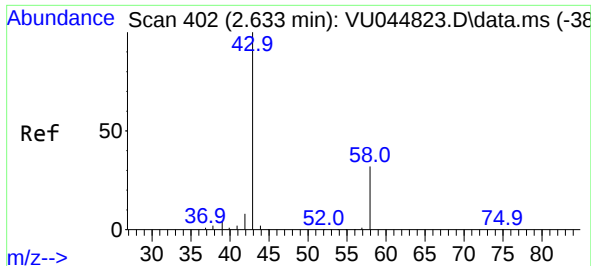
Tgt Ion:168 Resp: 197294
Ion Ratio Lower Upper
168 100
99 65.2 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 1.832 min Scan# 153
Delta R.T. -0.016 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 94 Resp: 457
Ion Ratio Lower Upper
94 100
96 82.9 74.5 111.7

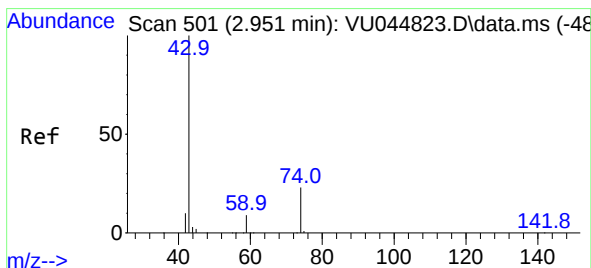
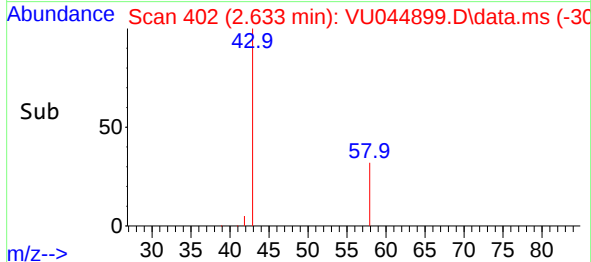
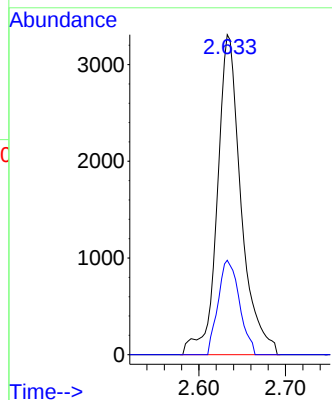
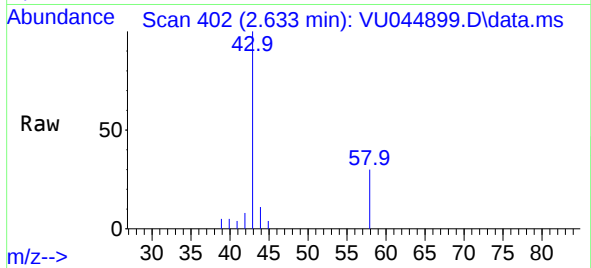




#16
Acetone
Concen: 3.250 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.000 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

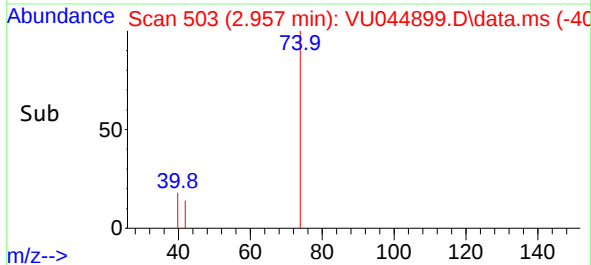
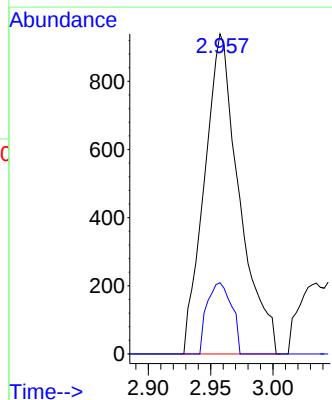
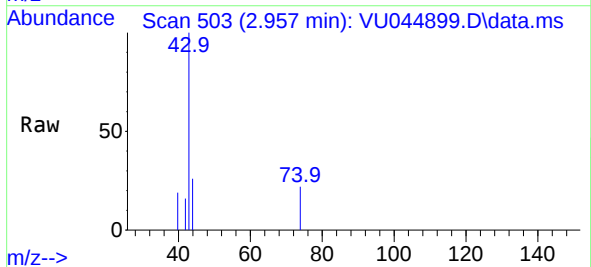
Instrument :
MSVOA_U
ClientSampleID :
40458DL2

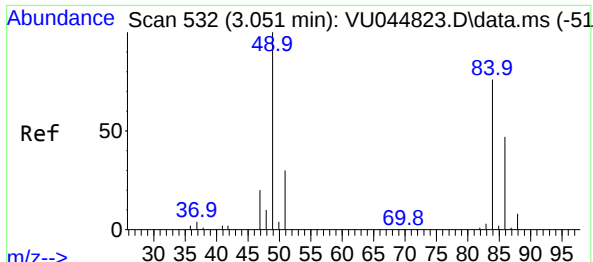
Tgt Ion: 43 Resp: 6312
Ion Ratio Lower Upper
43 100
58 29.5 25.2 37.8



#18
Methyl Acetate
Concen: 0.282 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.007 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 43 Resp: 1829
Ion Ratio Lower Upper
43 100
74 15.6 19.0 28.6#



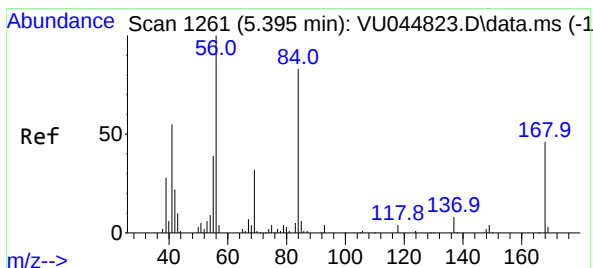
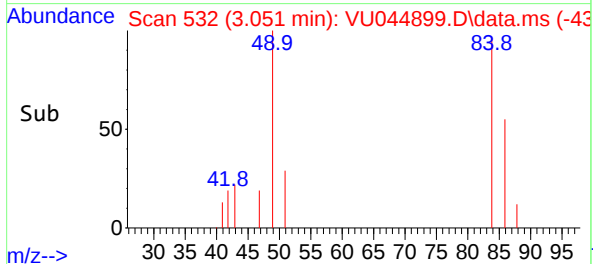
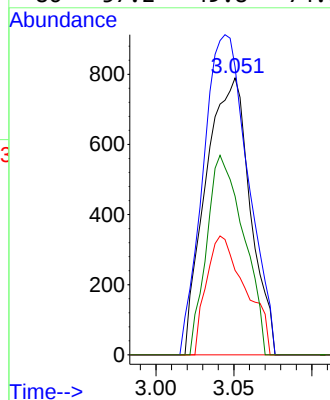
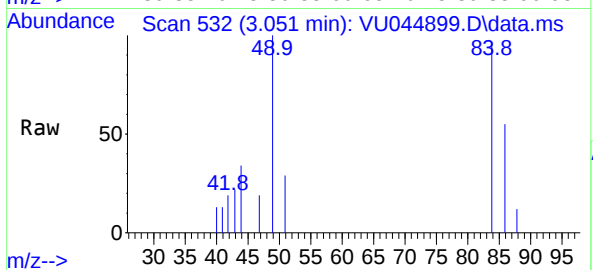


#20
Methylene Chloride
Concen: 0.498 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Instrument :
MSVOA_U
ClientSampled :
40458DL2

Tgt Ion: 84 Resp: 1565

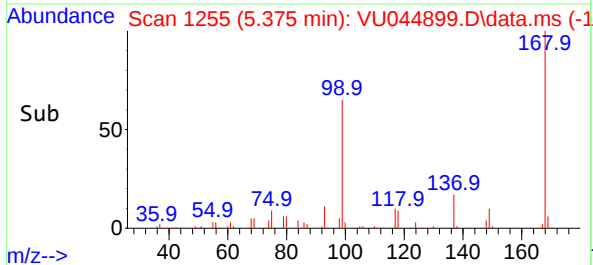
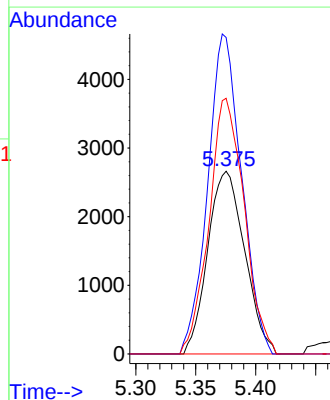
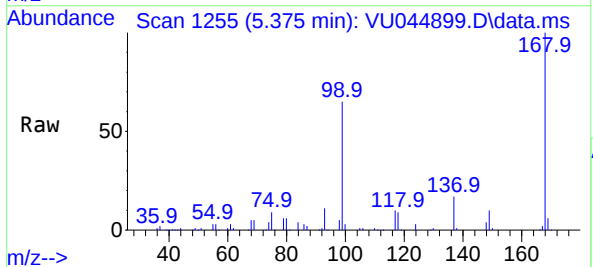
Ion	Ratio	Lower	Upper
84	100		
49	103.9	104.9	157.3#
51	30.5	31.8	47.8#
86	57.2	49.8	74.6

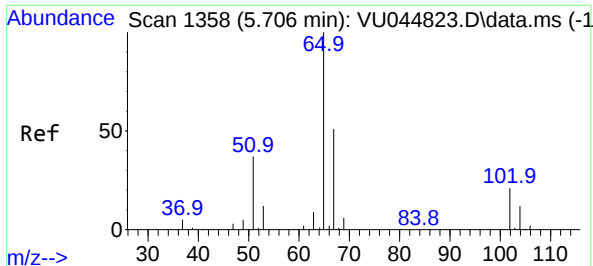


#31
Cyclohexane
Concen: 1.154 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.019 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 56 Resp: 5703

Ion	Ratio	Lower	Upper
56	100		
69	173.2	25.2	37.8#
84	139.9	66.4	99.6#



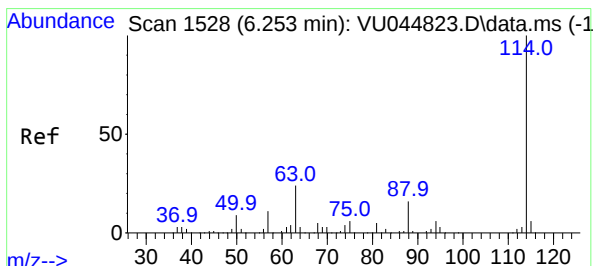
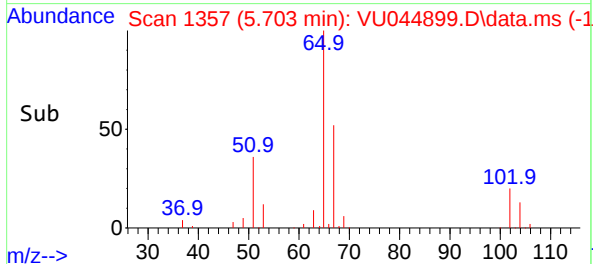
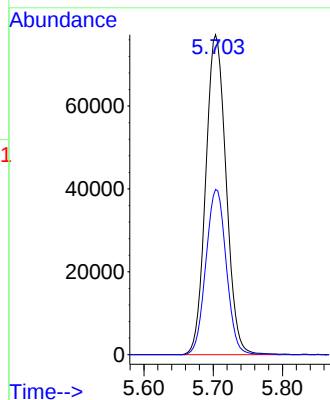
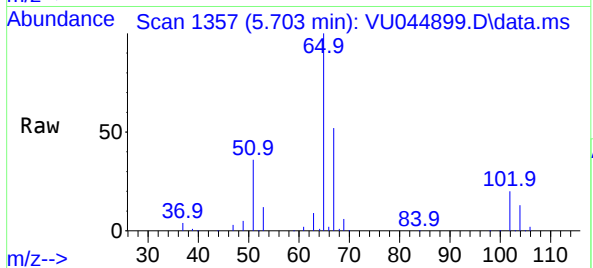


#33

1,2-Dichloroethane-d4
Concen: 45.808 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
40458DL2

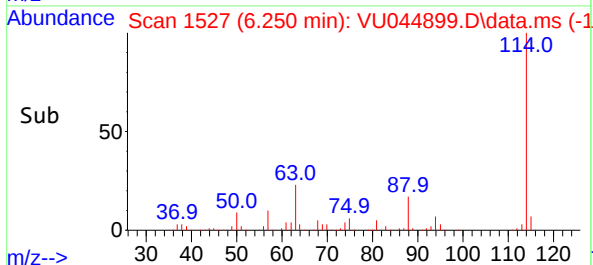
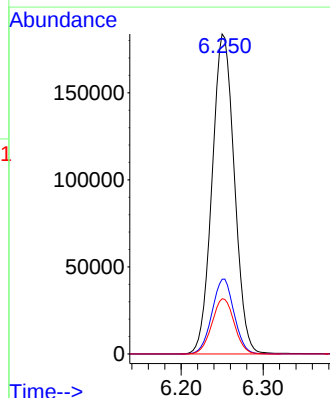
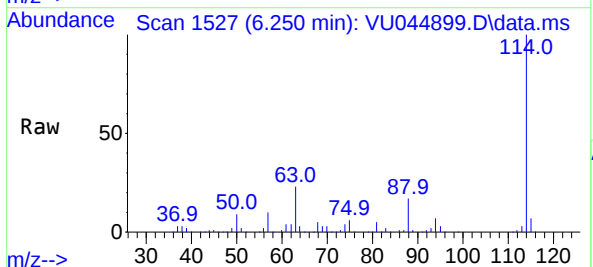
Tgt Ion: 65 Resp: 157733
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.8

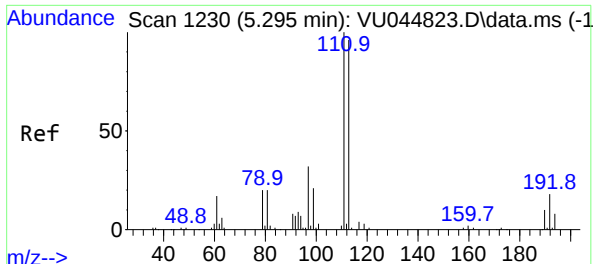


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 114 Resp: 346346
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.8
88 17.2 0.0 32.8



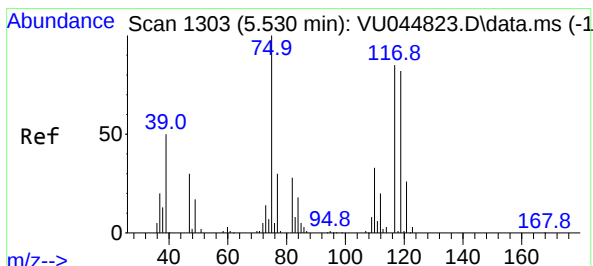
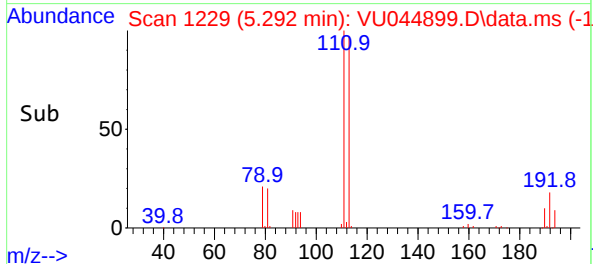
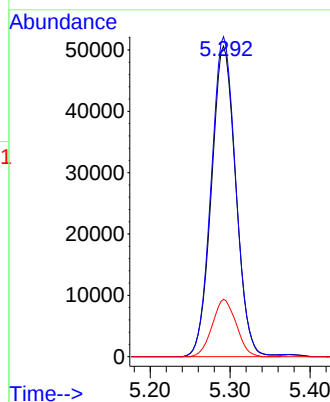
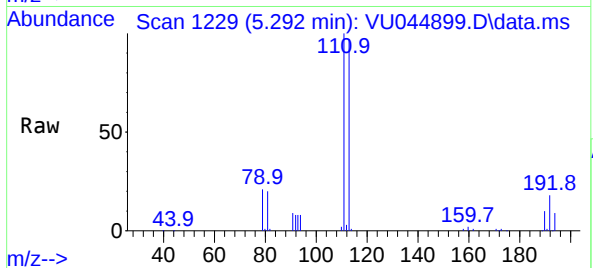


#35

Dibromofluoromethane
Concen: 45.068 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.003 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Instrument :
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ClientSampleId :
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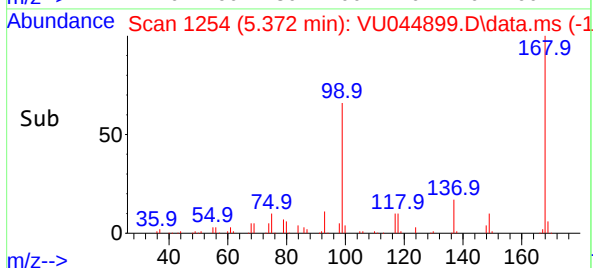
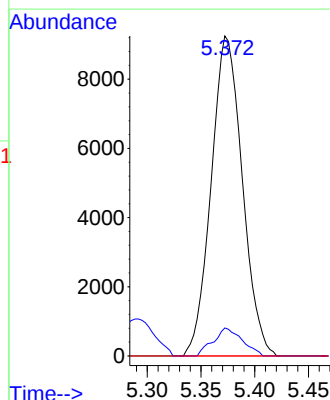
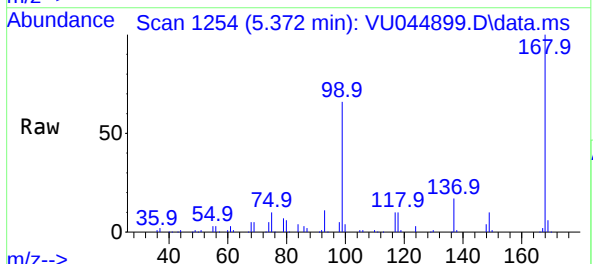
Tgt Ion:113 Resp: 107081
Ion Ratio Lower Upper
113 100
111 103.3 84.1 126.1
192 18.2 14.8 22.2

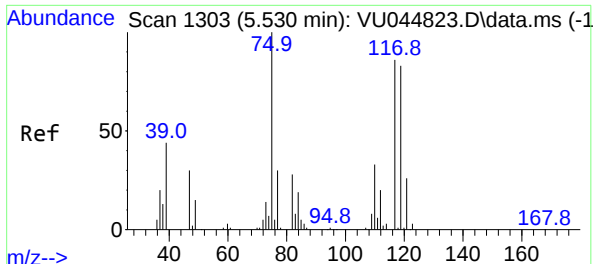


#36

1,1-Dichloropropene
Concen: 5.069 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.157 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

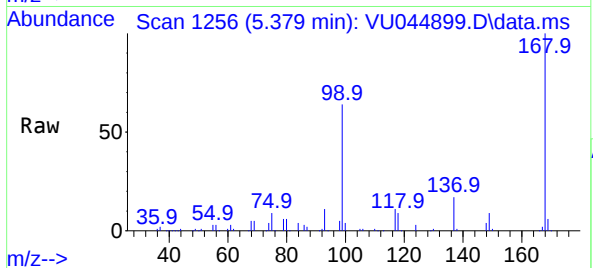
Tgt Ion: 75 Resp: 18629
Ion Ratio Lower Upper
75 100
110 8.1 16.3 48.9#
77 0.0 25.0 37.4#



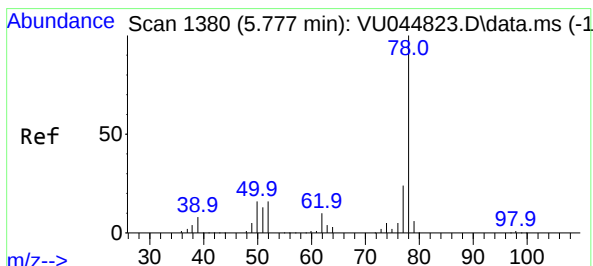
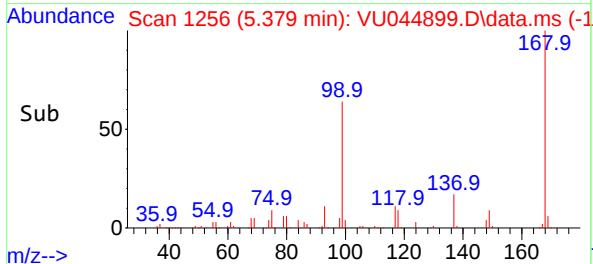
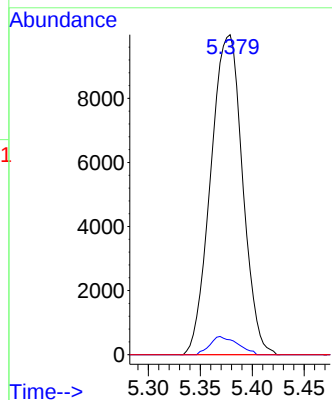


#38
Carbon Tetrachloride
Concen: 6.475 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Instrument :
MSVOA_U
ClientSampled :
40458DL2

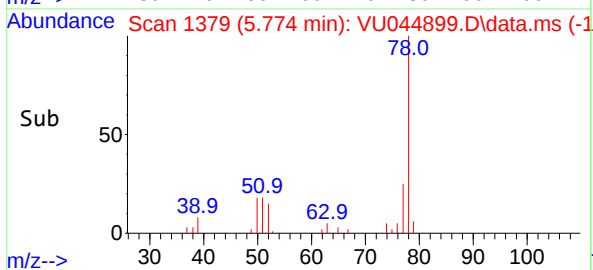
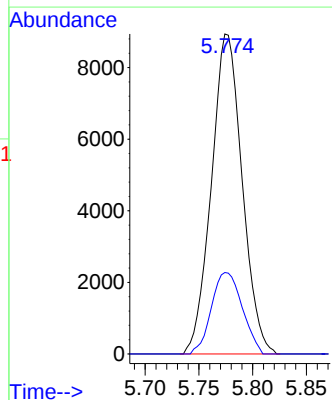
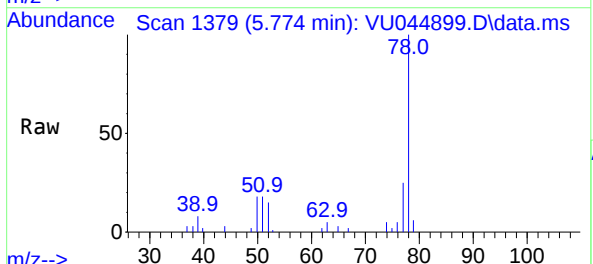


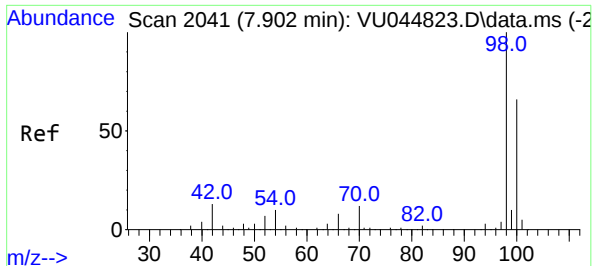
Tgt Ion:117 Resp: 21272
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.2#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 1.587 ug/l
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 78 Resp: 17776
Ion Ratio Lower Upper
78 100
77 25.4 19.1 28.7

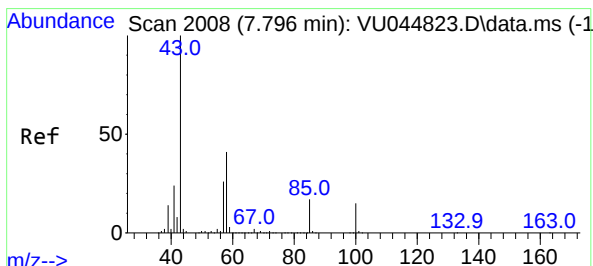
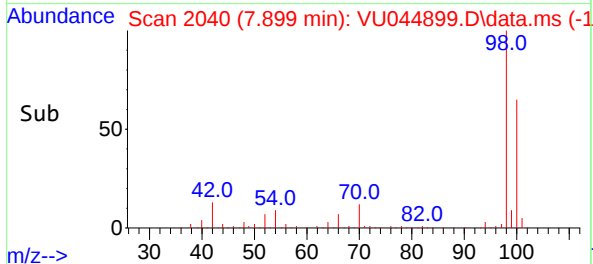
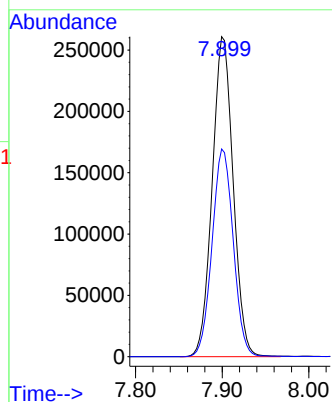
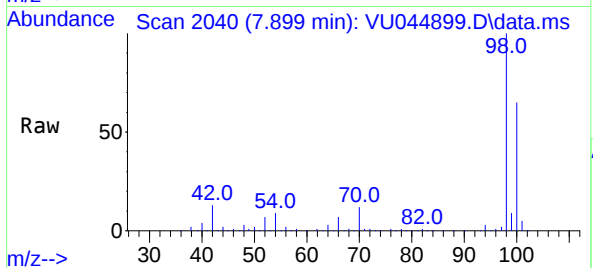




#50
Toluene-d8
Concen: 48.893 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

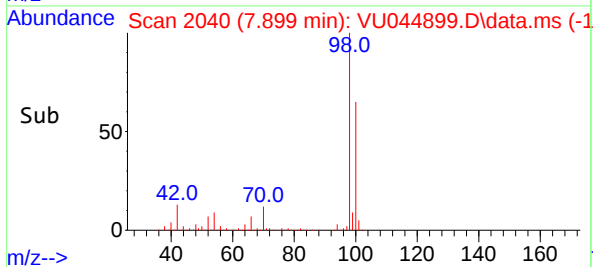
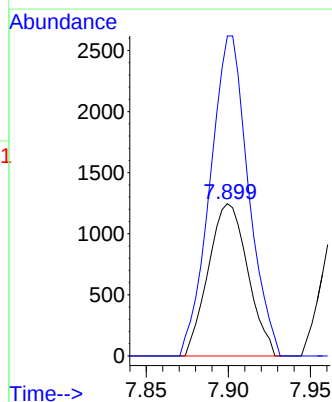
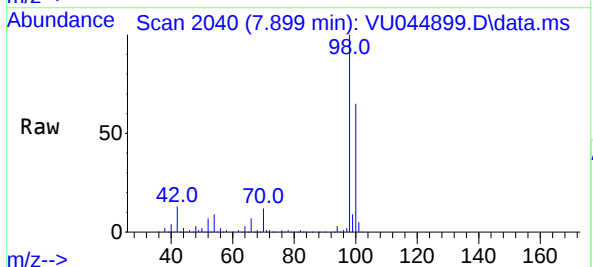
Instrument :
MSVOA_U
ClientSampleId :
40458DL2

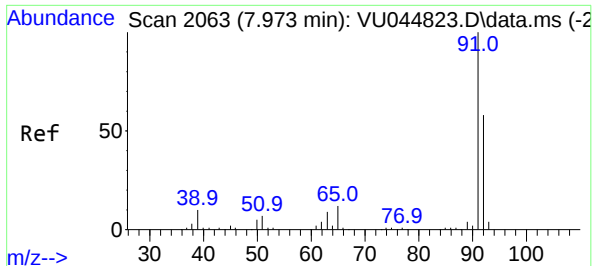
Tgt Ion: 98 Resp: 438749
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.386 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.103 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 43 Resp: 2074
Ion Ratio Lower Upper
43 100
58 204.9 32.4 48.6#

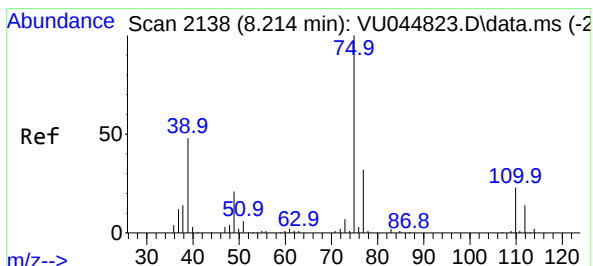
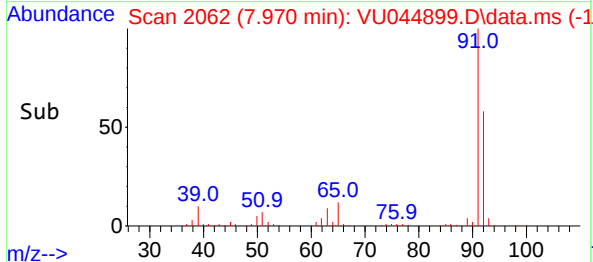
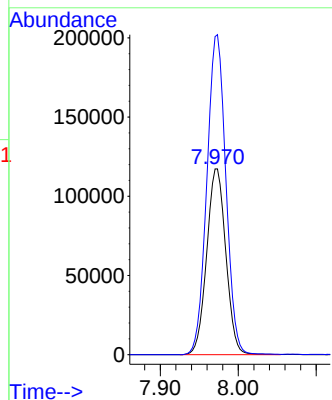
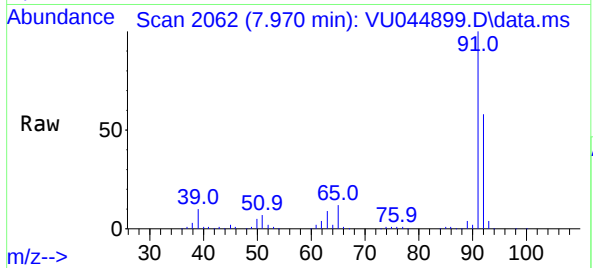




#52
Toluene
Concen: 29.817 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

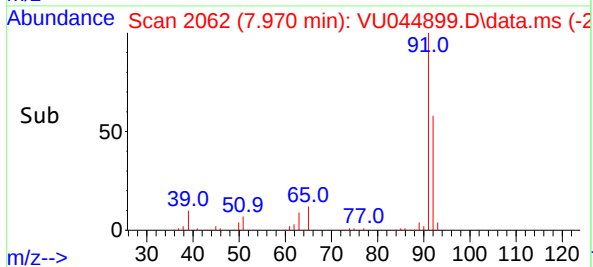
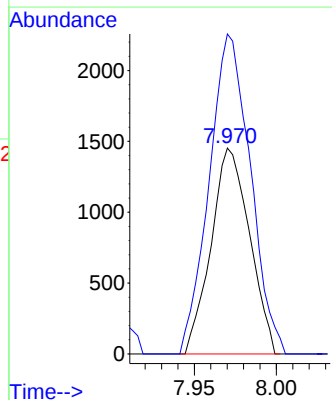
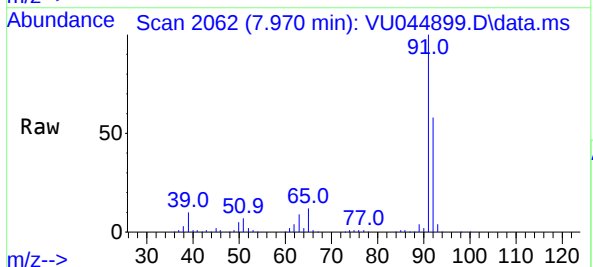
Instrument :
MSVOA_U
ClientSampleId :
40458DL2

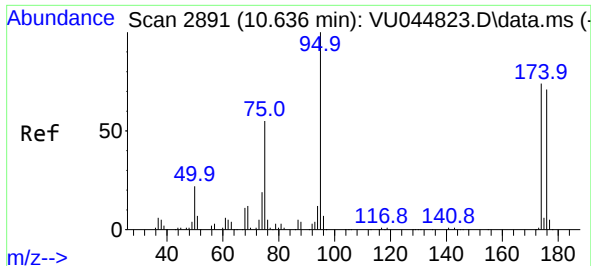
Tgt Ion: 92 Resp: 199728
Ion Ratio Lower Upper
92 100
91 171.3 136.9 205.3



#53
t-1,3-Dichloropropene
Concen: 0.573 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. -0.244 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 75 Resp: 2368
Ion Ratio Lower Upper
75 100
77 155.4 25.6 38.4#

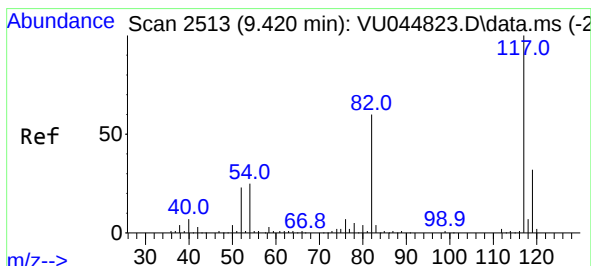
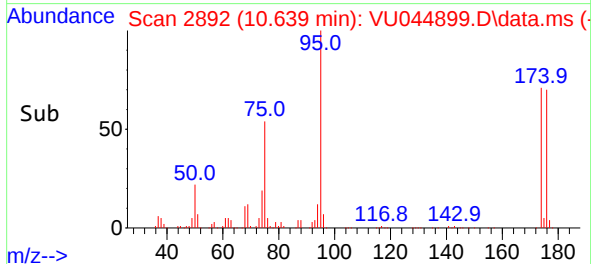
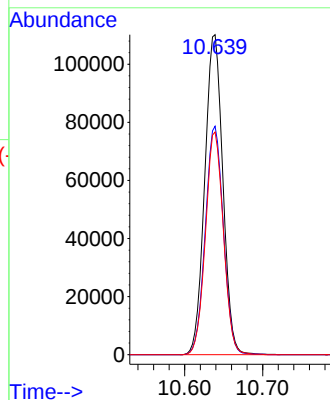
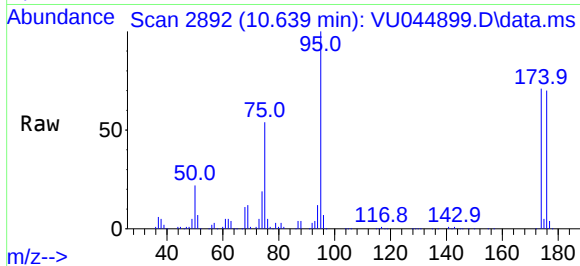




#62
4-Bromofluorobenzene
Concen: 53.259 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.003 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

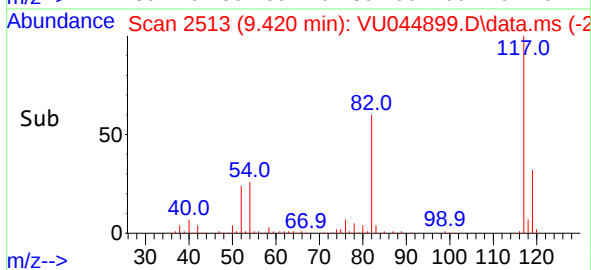
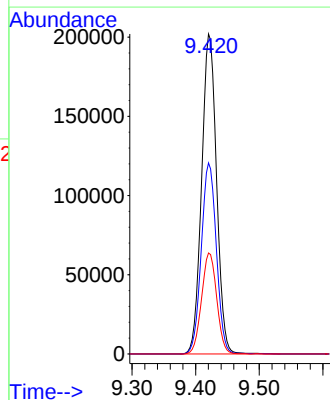
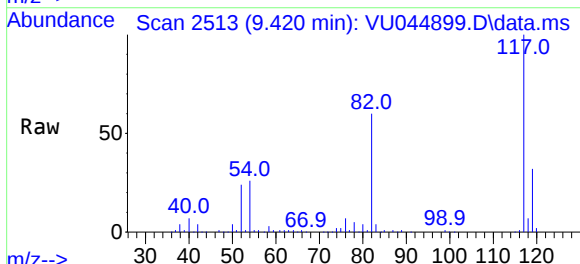
Instrument :
MSVOA_U
ClientSampleId :
40458DL2

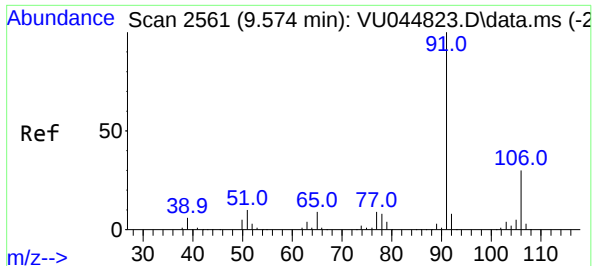
Tgt Ion: 95 Resp: 177511
Ion Ratio Lower Upper
95 100
174 71.5 0.0 146.6
176 69.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 117 Resp: 329426
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.8
119 31.6 25.8 38.6





#67

Ethyl Benzene

Concen: 4.215 ug/l

RT: 9.575 min Scan# 2561

Delta R.T. 0.000 min

Lab File: VU044899.D

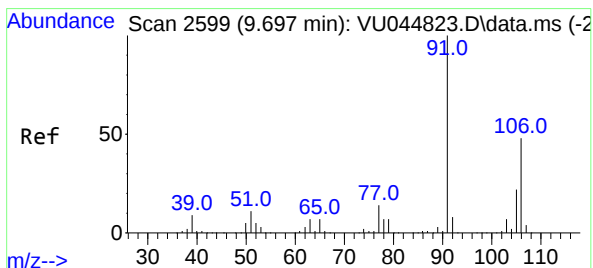
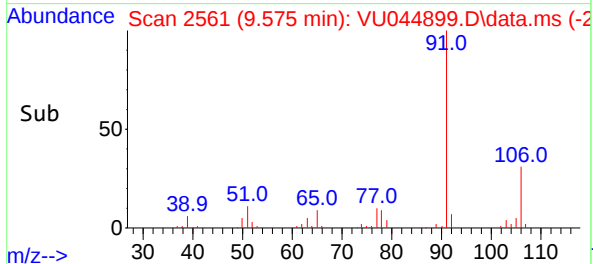
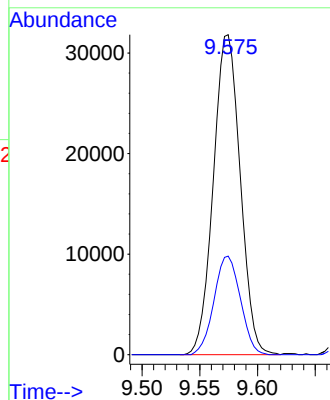
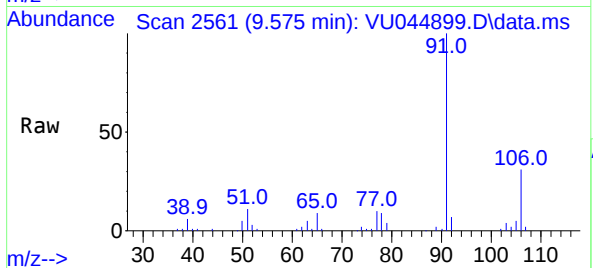
Acq: 27 Sep 2021 19:16

Tgt Ion: 91 Resp: 51447

Ion Ratio Lower Upper

91 100

106 30.8 24.3 36.5



#68

m/p-Xylenes

Concen: 17.980 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU044899.D

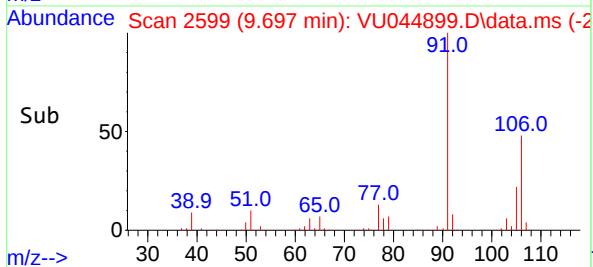
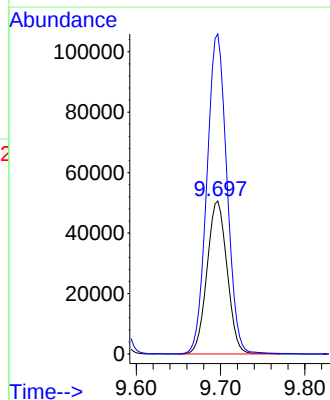
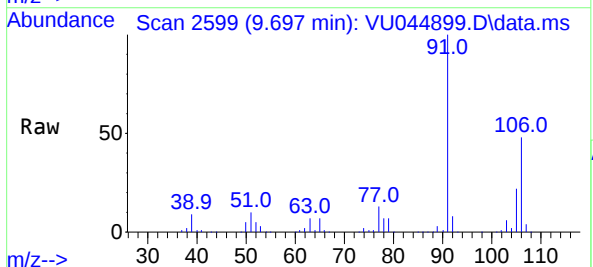
Acq: 27 Sep 2021 19:16

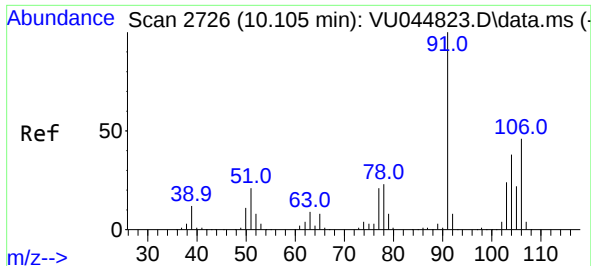
Tgt Ion:106 Resp: 83942

Ion Ratio Lower Upper

106 100

91 209.2 164.2 246.2

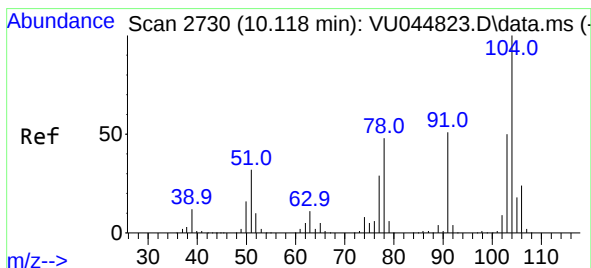
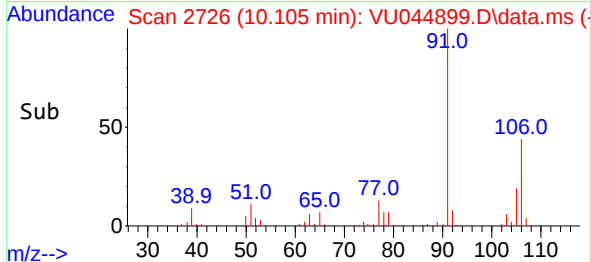
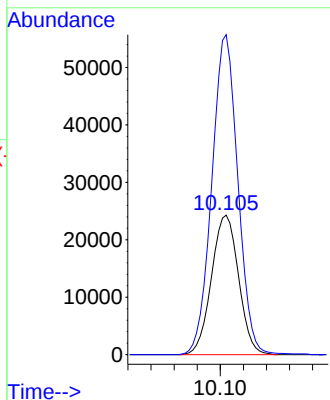
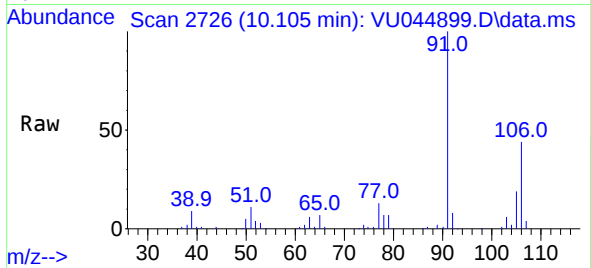




#69
o-Xylene
Concen: 8.777 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

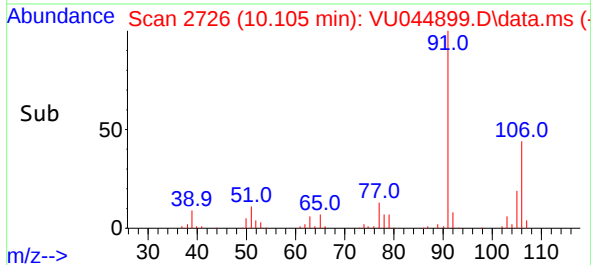
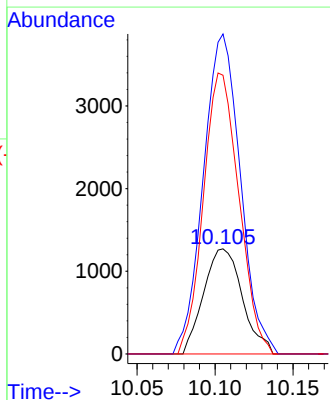
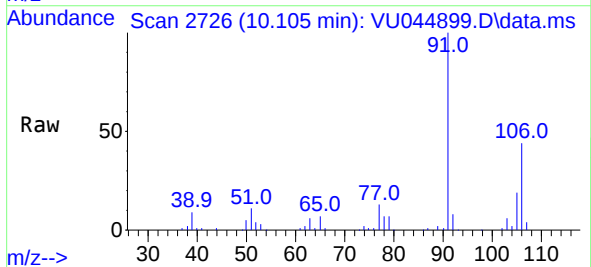
Instrument :
MSVOA_U
ClientSampled :
40458DL2

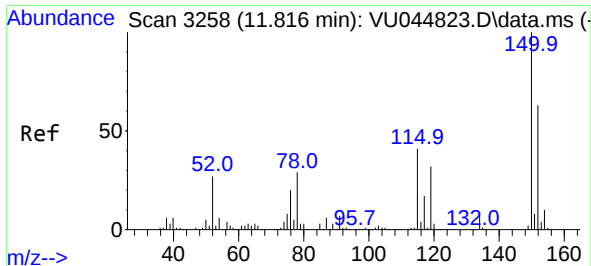
Tgt Ion:106 Resp: 39624
Ion Ratio Lower Upper
106 100
91 220.6 108.9 326.7



#70
Styrene
Concen: 1.267 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.013 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion:104 Resp: 2202
Ion Ratio Lower Upper
104 100
78 289.8 41.4 62.0#
103 244.6 43.5 65.3#

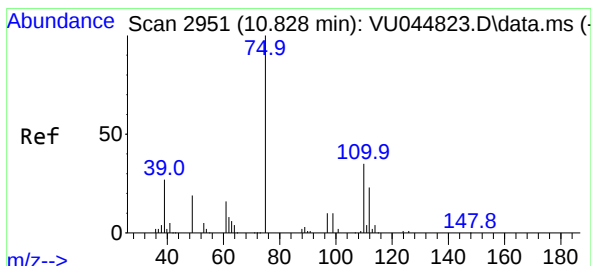
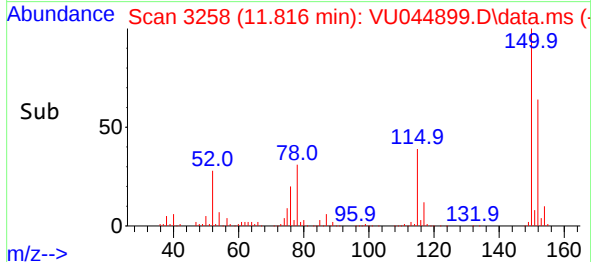
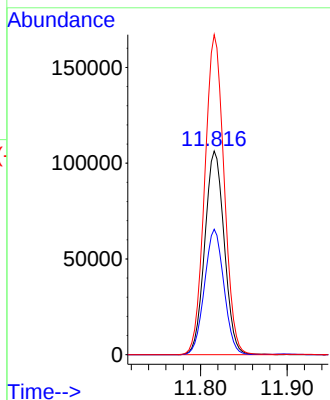
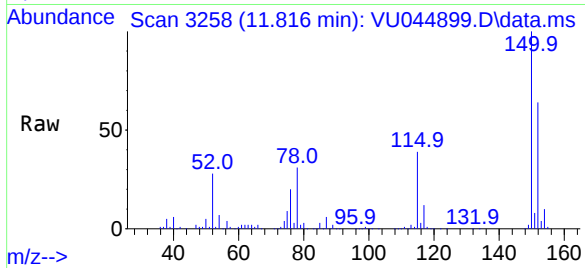




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

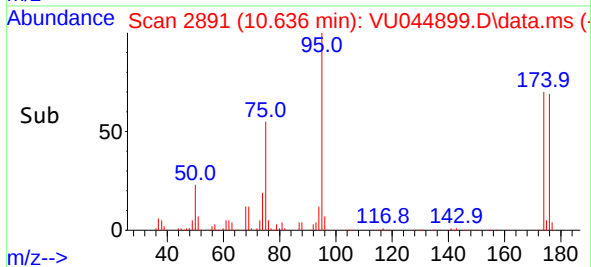
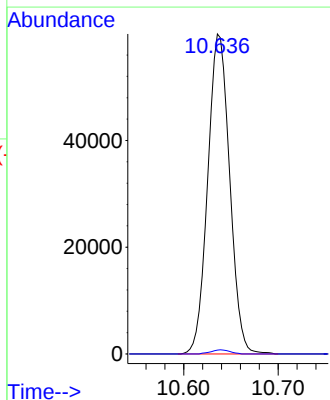
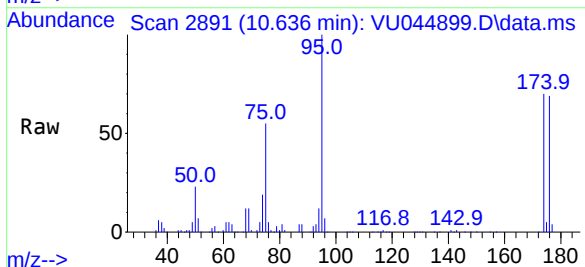
Instrument :
MSVOA_U
ClientSampled :
40458DL2

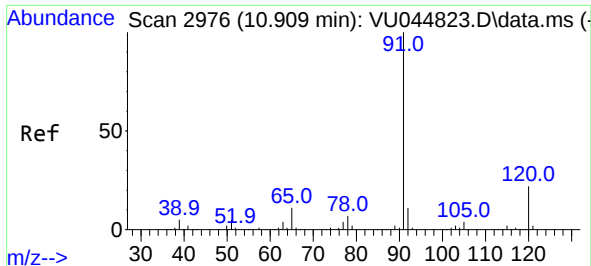
Tgt Ion:152 Resp: 166121
Ion Ratio Lower Upper
152 100
115 61.5 43.5 130.7
150 156.0 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 19.207 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 75 Resp: 96619
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#

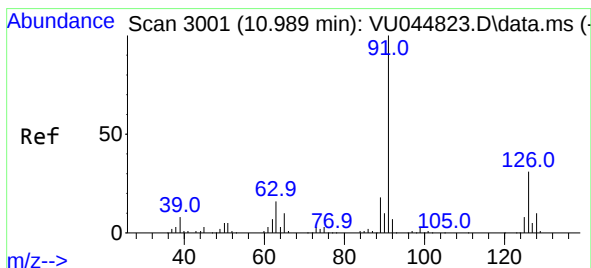
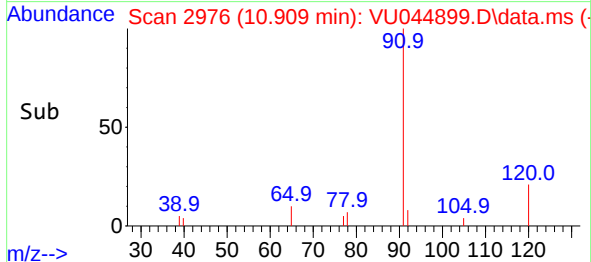
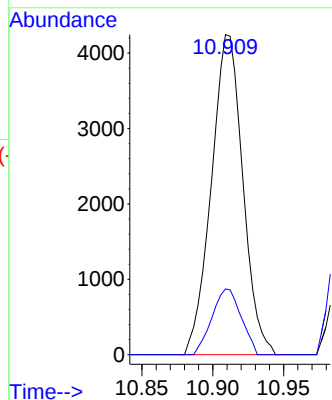
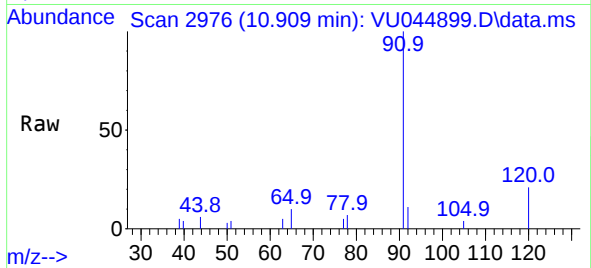




#78
n-propylbenzene
Concen: 0.460 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.000 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

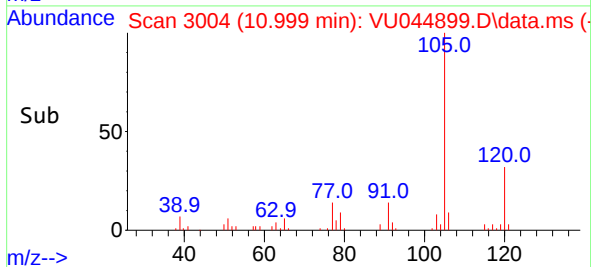
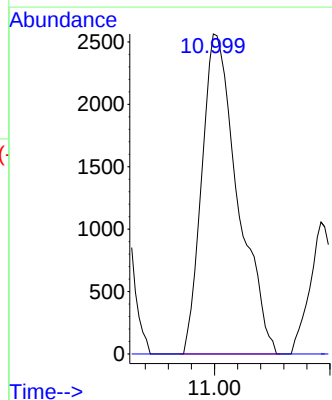
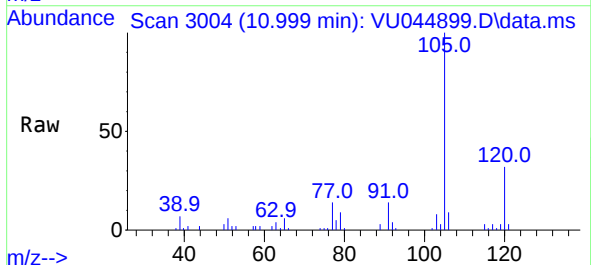
Instrument :
MSVOA_U
ClientSampled :
40458DL2

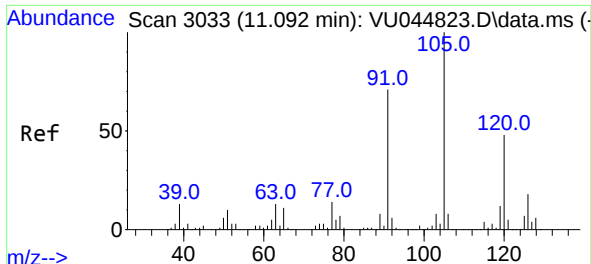
Tgt Ion: 91 Resp: 6569
Ion Ratio Lower Upper
91 100
120 19.0 10.8 32.4



#79
2-Chlorotoluene
Concen: 0.637 ug/l
RT: 10.999 min Scan# 3004
Delta R.T. 0.010 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 91 Resp: 5543
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#

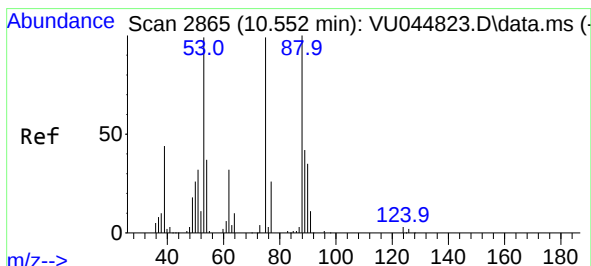
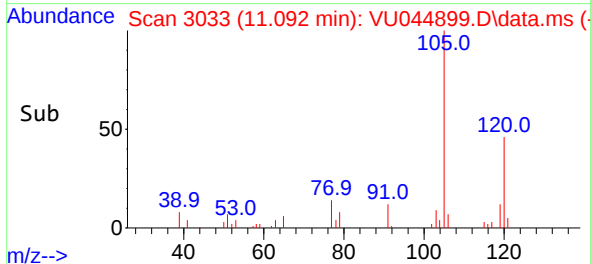
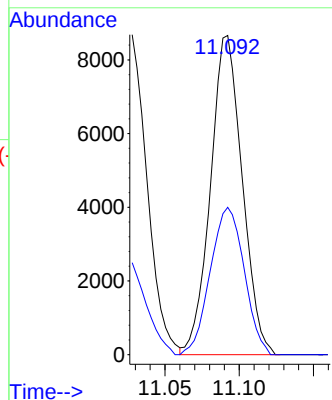
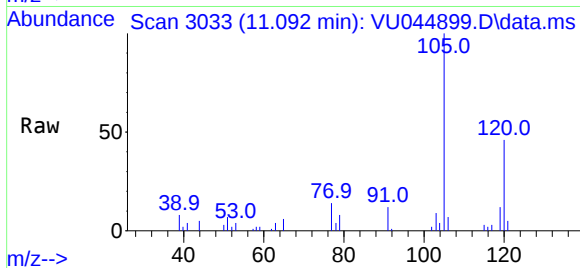




#80
1,3,5-Trimethylbenzene
Concen: 1.291 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

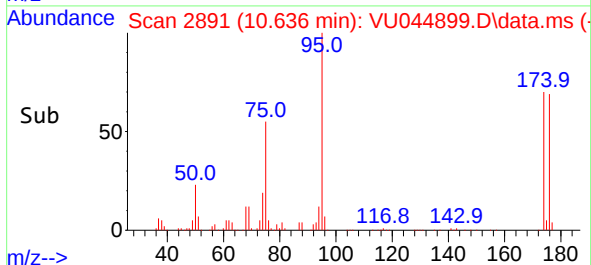
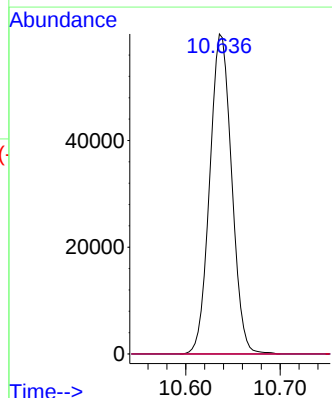
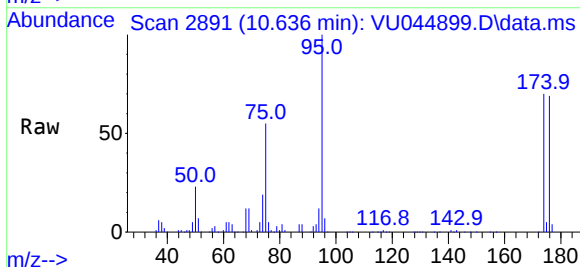
Instrument :
MSVOA_U
ClientSampleId :
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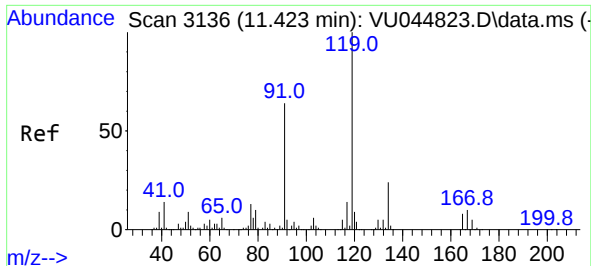
Tgt Ion:105 Resp: 12890
Ion Ratio Lower Upper
105 100
120 49.3 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 62.220 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion: 75 Resp: 96619
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

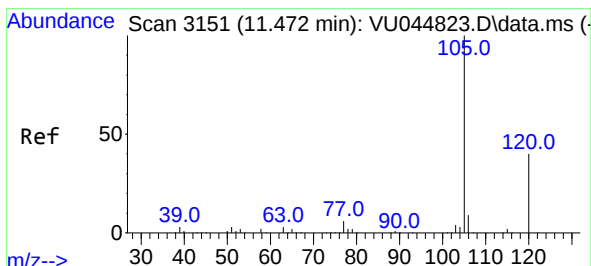
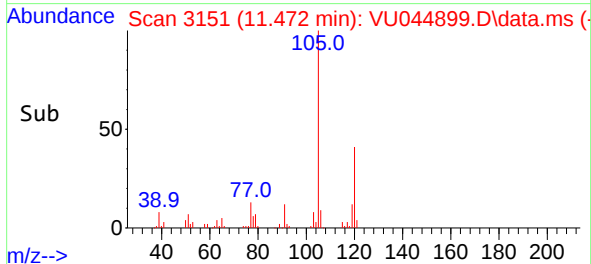
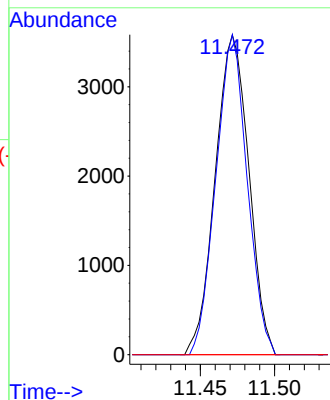
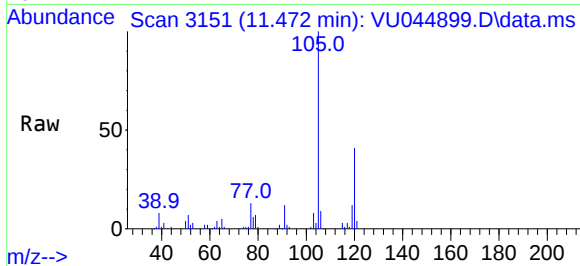




#83
tert-Butylbenzene
Concen: 0.584 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.048 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

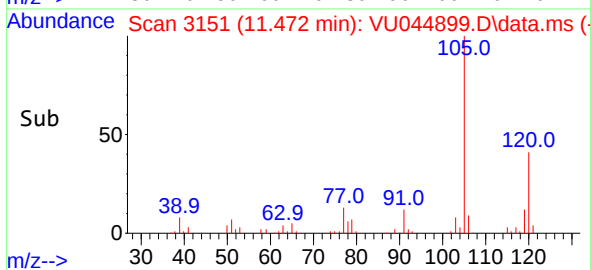
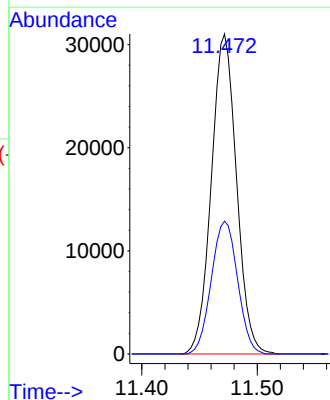
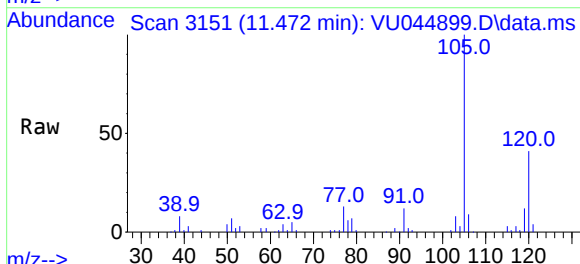
Instrument :
MSVOA_U
ClientSampled :
40458DL2

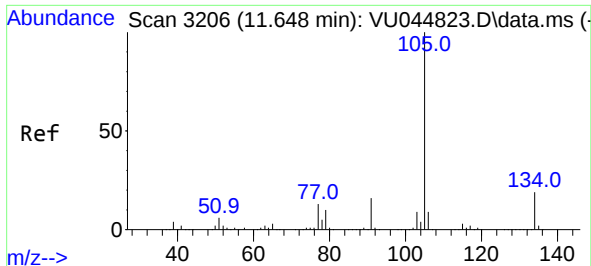
Tgt Ion:119 Resp: 5630
Ion Ratio Lower Upper
119 100
91 93.2 30.4 91.2#
134 0.0 11.5 34.5#



#84
1,2,4-Trimethylbenzene
Concen: 4.772 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Tgt Ion:105 Resp: 46981
Ion Ratio Lower Upper
105 100
120 43.3 22.4 67.3

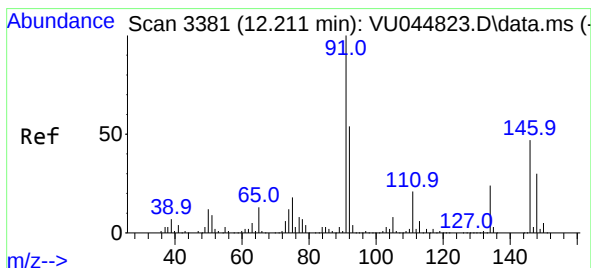
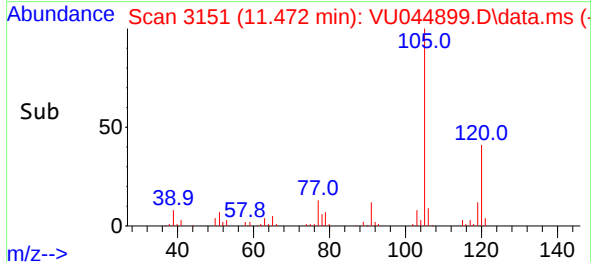
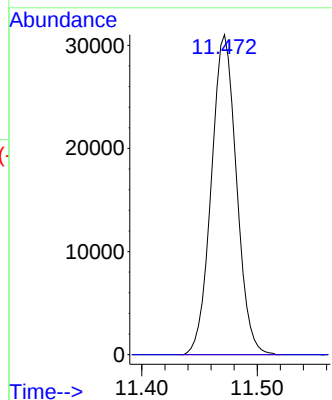
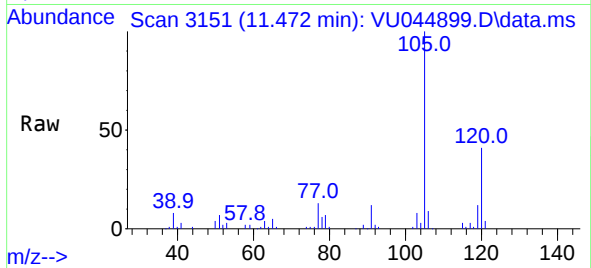




#85
sec-Butylbenzene
Concen: 3.771 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. -0.177 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

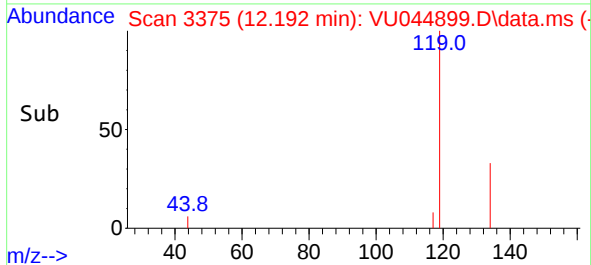
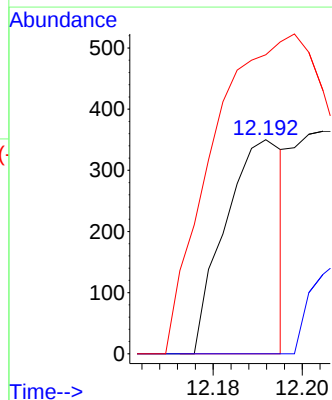
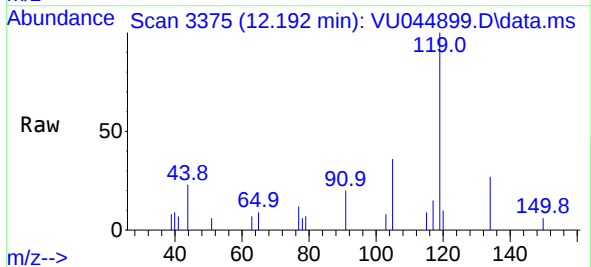
Instrument :
MSVOA_U
ClientSampled :
40458DL2

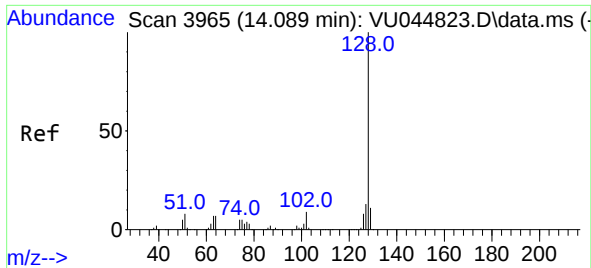
Tgt Ion:105 Resp: 46981
Ion Ratio Lower Upper
105 100
134 0.0 9.3 28.0#



#89
n-Butylbenzene
Concen: 1.305 ug/l
RT: 12.192 min Scan# 3375
Delta R.T. -0.019 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

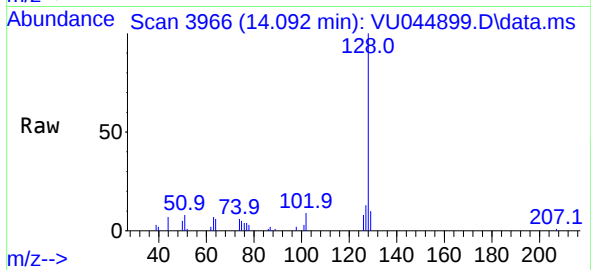
Tgt Ion: 91 Resp: 315
Ion Ratio Lower Upper
91 100
92 50.2 26.8 80.4
134 331.1 11.8 35.4#





#95
Naphthalene
Concen: 2.014 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044899.D
Acq: 27 Sep 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
40458DL2



Tgt Ion:	128	Resp:	13903
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.4	15.6
129	9.6	8.6	13.0

