

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044867.D
 Acq On : 26 Sep 2021 03:54
 Operator : SY/MD
 Sample : M3888-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20894

Quant Time: Sep 27 03:15:28 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)

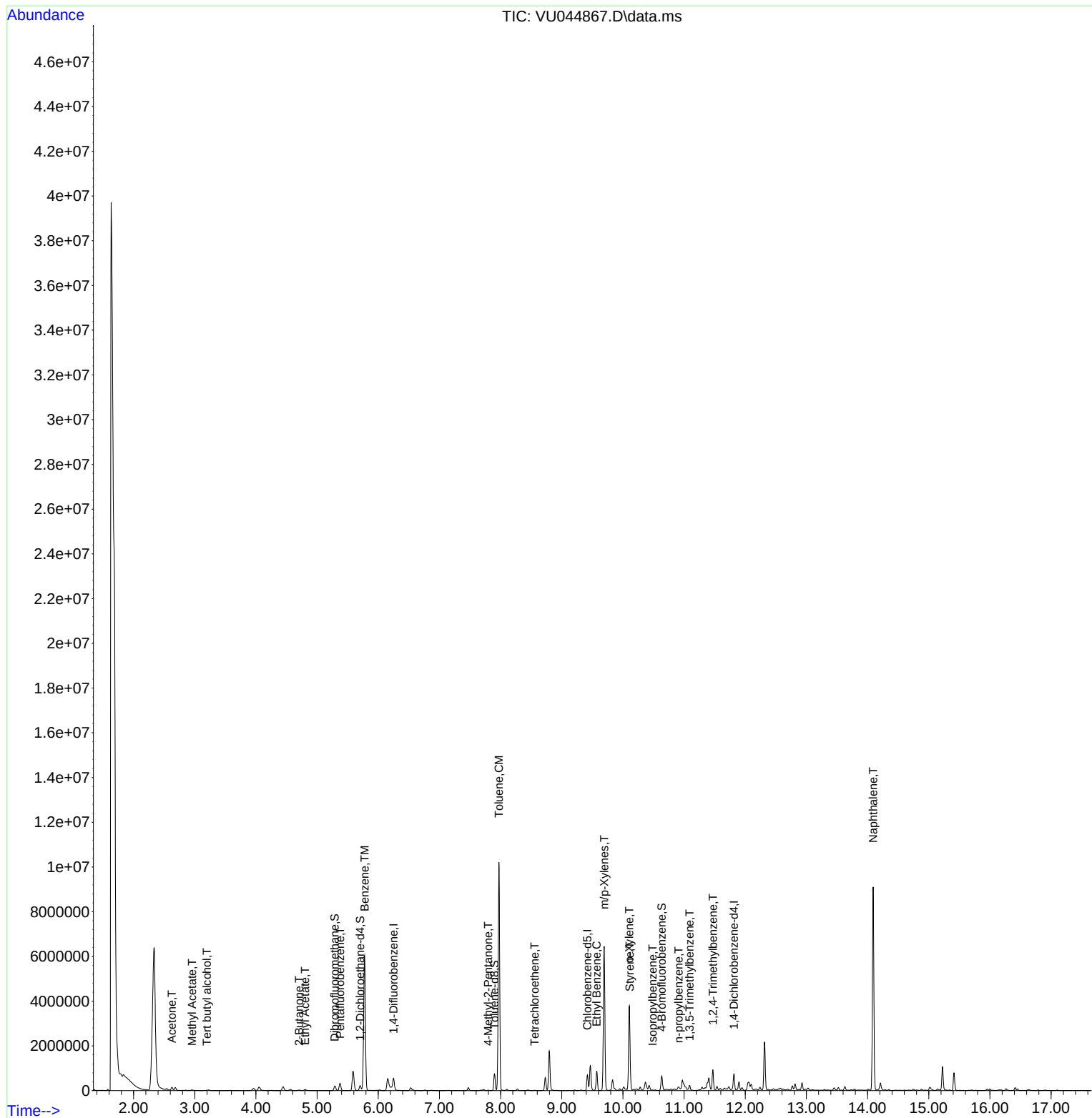
Internal Standards						
1) Pentafluorobenzene	5.375	168	207968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	378447	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	356019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	165570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	168007	46.288	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.580%	
35) Dibromofluoromethane	5.288	113	113375	43.669	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.340%	
50) Toluene-d8	7.899	98	487493	49.717	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.440%	
62) 4-Bromofluorobenzene	10.635	95	177724	48.800	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.600%	
Target Compounds						Qvalue
11) Tert butyl alcohol	3.198	59	23062	21.769	ug/l #	90
16) Acetone	2.626	43	180530	88.177	ug/l	99
18) Methyl Acetate	2.954	43	56153	8.210	ug/l	98
25) 2-Butanone	4.706	43	34899	11.234	ug/l	99
37) Ethyl Acetate	4.803	43	69645	11.821	ug/l #	93
40) Benzene	5.777	78	5464299	446.347	ug/l	99
51) 4-Methyl-2-Pentanone	7.796	43	7101	1.209	ug/l	96
52) Toluene	7.973	92	4116780	562.460	ug/l	99
64) Tetrachloroethene	8.558	164	2364	0.980	ug/l	93
67) Ethyl Benzene	9.571	91	589965	44.722	ug/l	99
68) m/p-Xylenes	9.697	106	1288480	255.375	ug/l	98
69) o-Xylene	10.102	106	882949	180.978	ug/l	98
70) Styrene	10.115	104	307617	34.064	ug/l #	60
73) Isopropylbenzene	10.488	105	15097	1.285	ug/l	96
78) n-propylbenzene	10.912	91	67922	4.770	ug/l	81
80) 1,3,5-Trimethylbenzene	11.092	105	112503	11.302	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	470436	47.938	ug/l	96
95) Naphthalene	14.092	128	6517724	504.495	ug/l	99

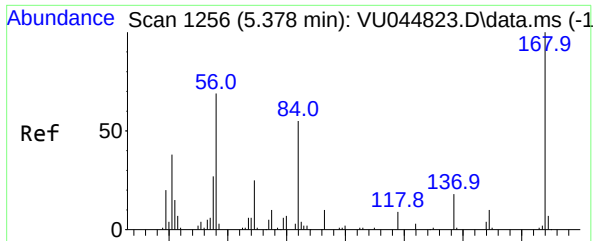
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

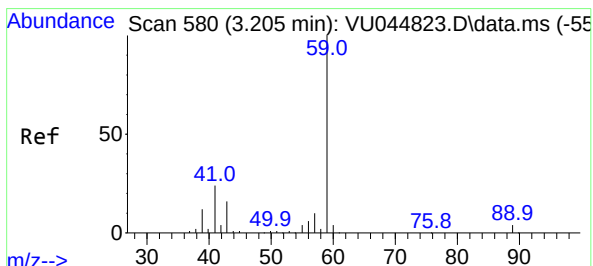
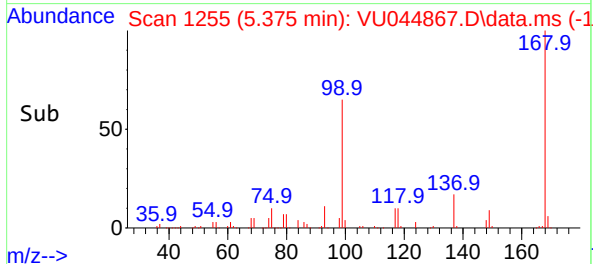
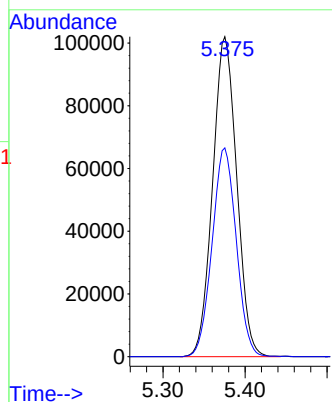
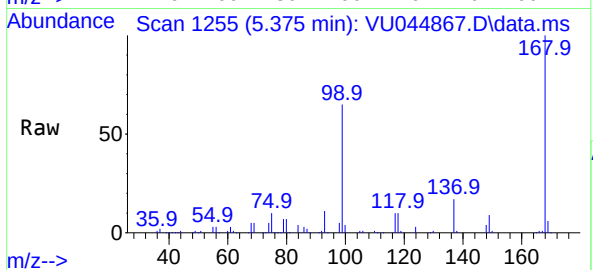




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

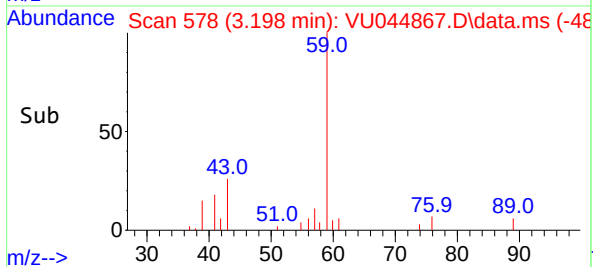
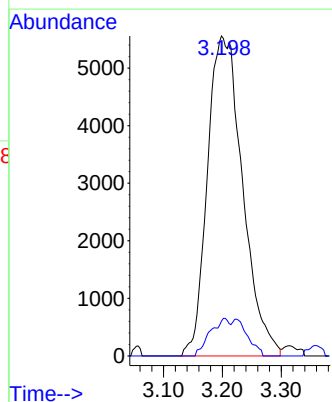
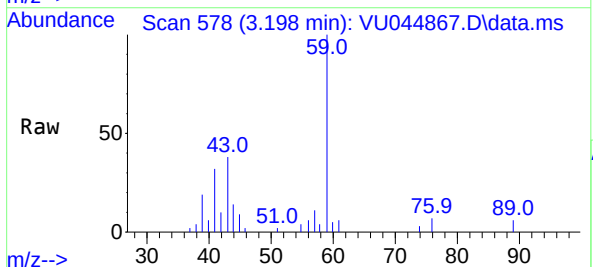
Instrument :
MSVOA_U
ClientSampleId :
20894

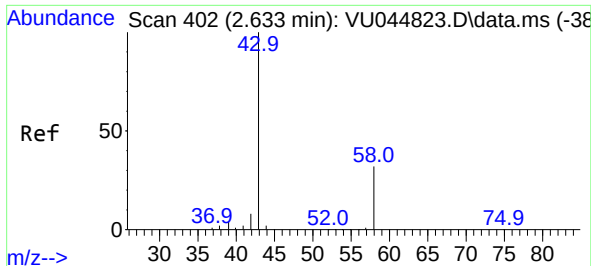
Tgt Ion:168 Resp: 207968
Ion Ratio Lower Upper
168 100
99 65.2 51.4 77.0



#11
Tert butyl alcohol
Concen: 21.769 ug/l
RT: 3.198 min Scan# 578
Delta R.T. -0.006 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion: 59 Resp: 23062
Ion Ratio Lower Upper
59 100
57 6.7 8.3 12.5#

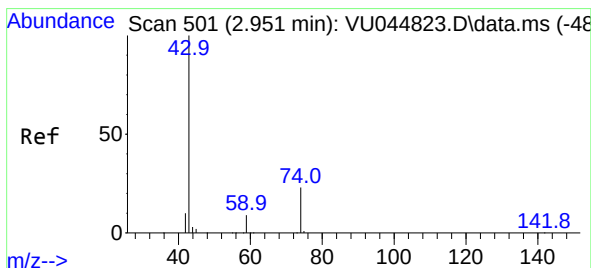
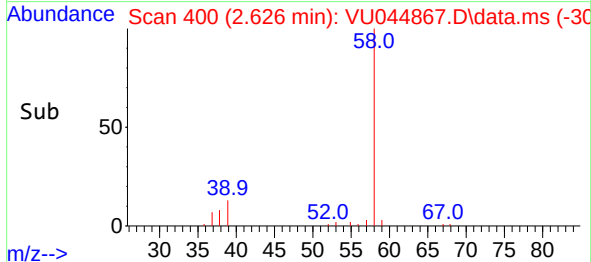
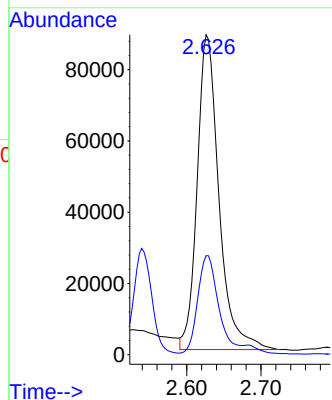
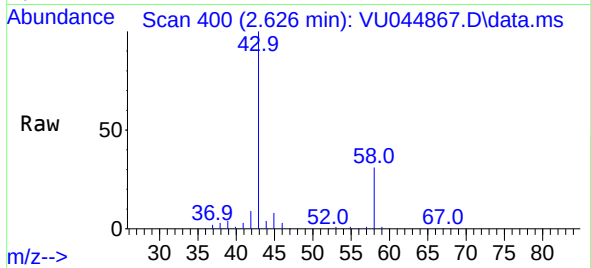




#16
Acetone
Concen: 88.177 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.006 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

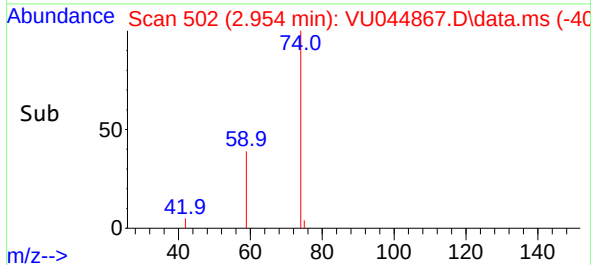
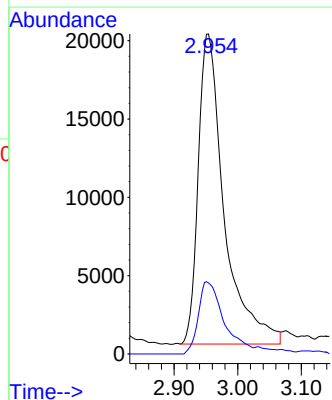
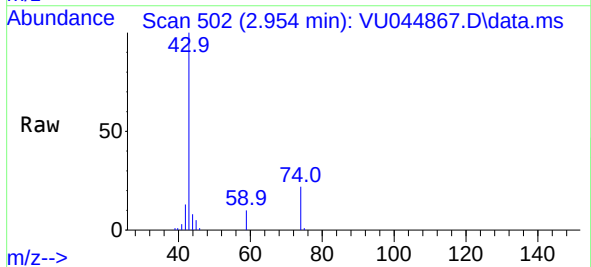
Instrument :
MSVOA_U
ClientSampleId :
20894

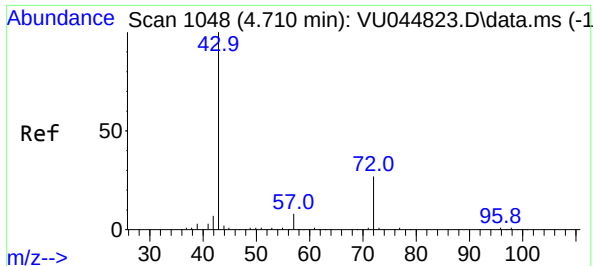
Tgt Ion: 43 Resp: 180530
Ion Ratio Lower Upper
43 100
58 31.1 25.2 37.8



#18
Methyl Acetate
Concen: 8.210 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion: 43 Resp: 56153
Ion Ratio Lower Upper
43 100
74 23.0 19.0 28.6

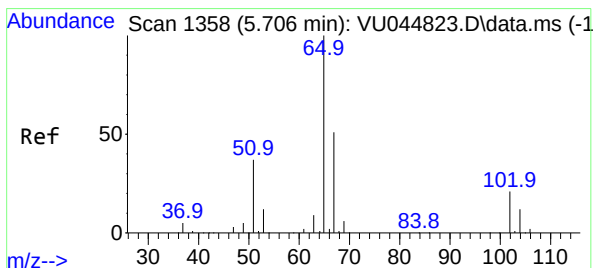
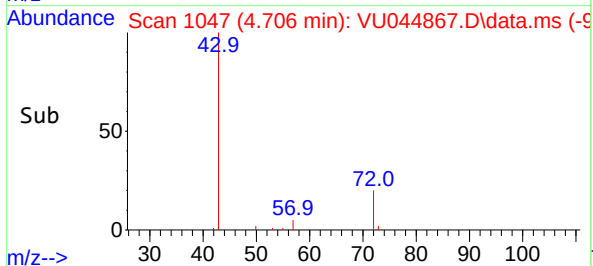
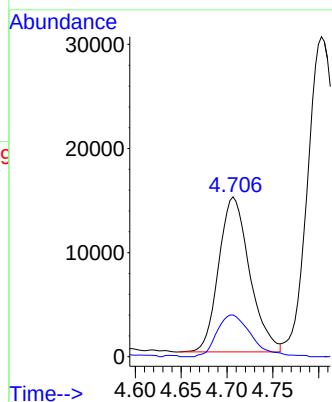
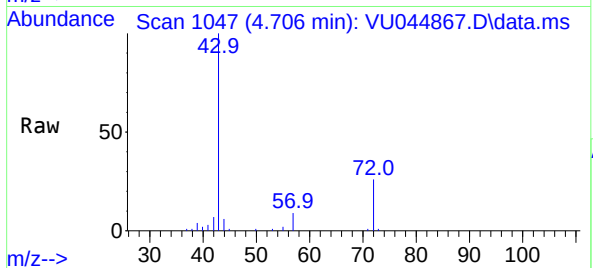




#25
2-Butanone
Concen: 11.234 ug/l
RT: 4.706 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

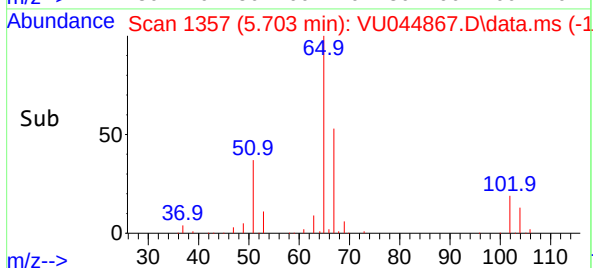
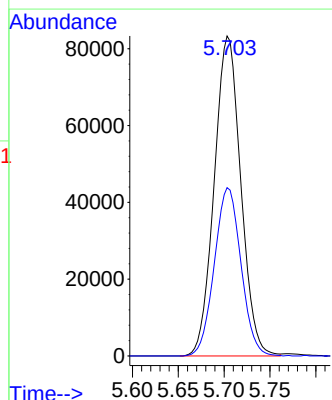
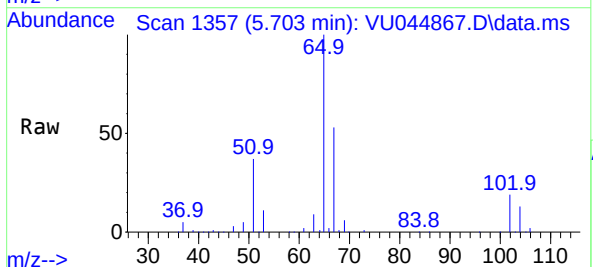
Instrument :
MSVOA_U
ClientSampled :
20894

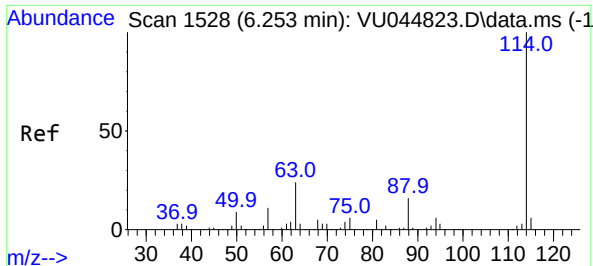
Tgt Ion: 43 Resp: 34899
Ion Ratio Lower Upper
43 100
72 27.0 21.3 31.9



#33
1,2-Dichloroethane-d4
Concen: 46.288 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion: 65 Resp: 168007
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8



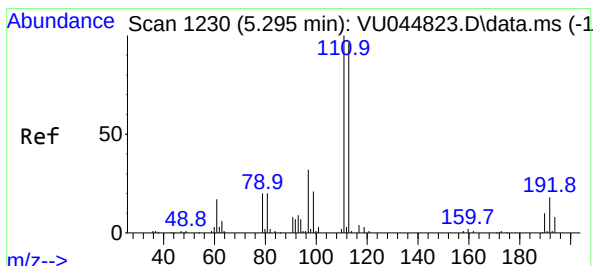
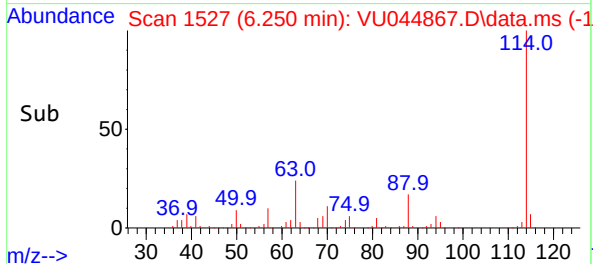
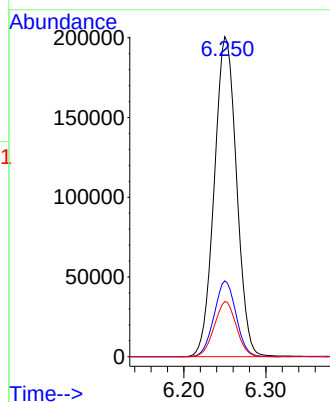
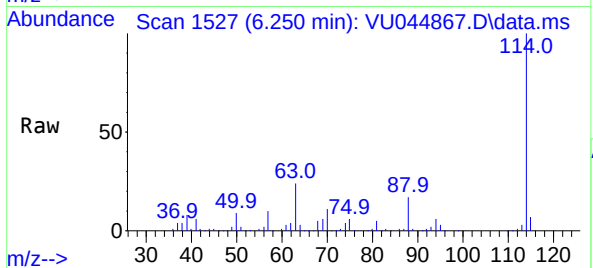


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Instrument :
MSVOA_U
ClientSampled :
20894

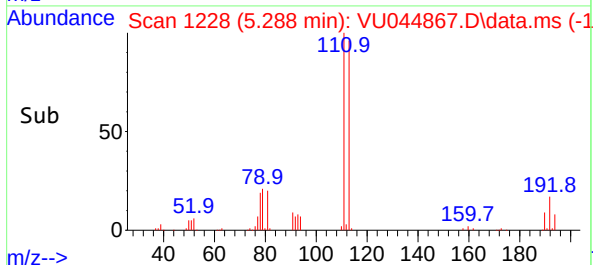
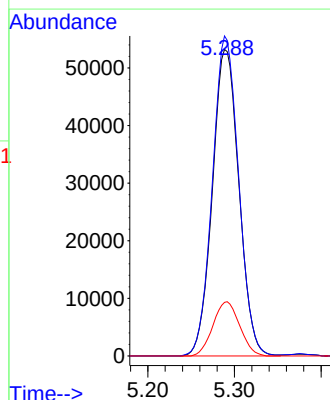
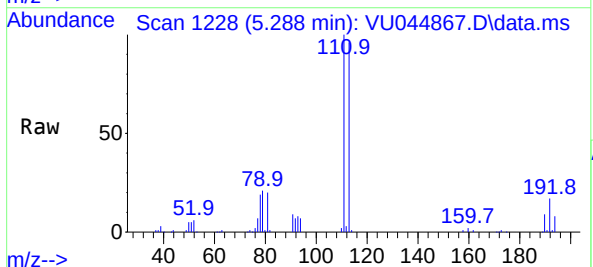
Tgt Ion:114 Resp: 378447
Ion Ratio Lower Upper
114 100
63 23.7 0.0 47.8
88 17.3 0.0 32.8

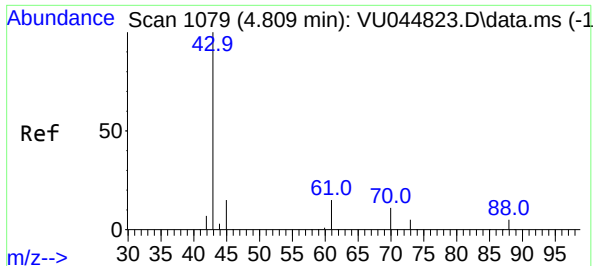


#35

Dibromofluoromethane
Concen: 43.669 ug/l
RT: 5.288 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion:113 Resp: 113375
Ion Ratio Lower Upper
113 100
111 103.1 84.1 126.1
192 17.8 14.8 22.2





#37

Ethyl Acetate

Concen: 11.821 ug/l

RT: 4.803 min Scan# 1077

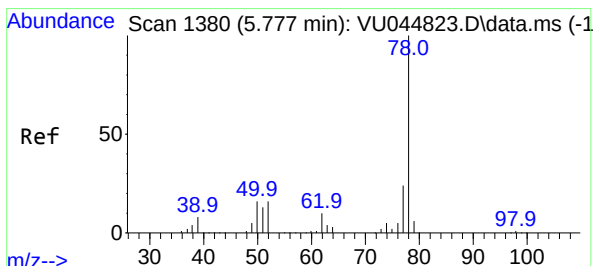
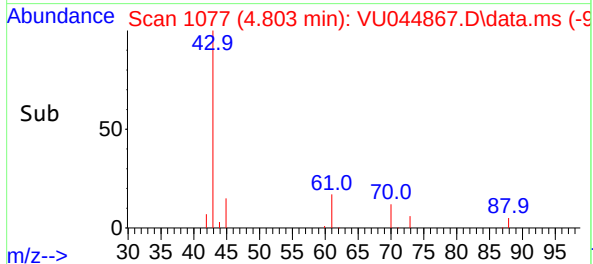
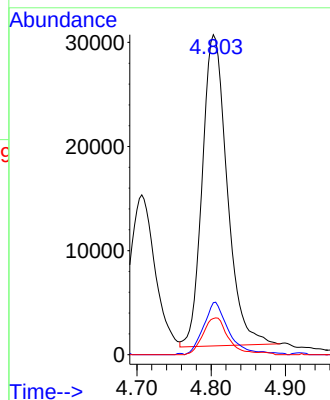
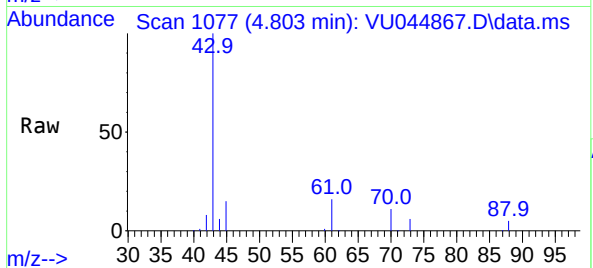
Delta R.T. -0.006 min

Lab File: VU044867.D

Acq: 26 Sep 2021 03:54

Instrument :
MSVOA_U
ClientSampled :
20894

Tgt Ion:	43	Resp:	69645
Ion	Ratio	Lower	Upper
43	100		
61	17.2	10.9	16.3#
70	12.0	8.2	12.4



#40

Benzene

Concen: 446.347 ug/l

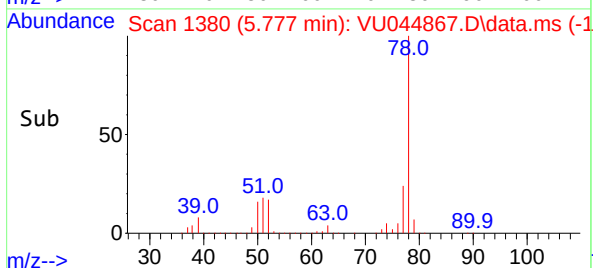
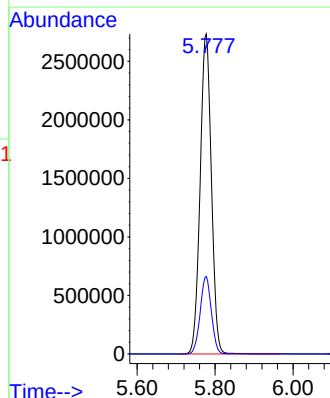
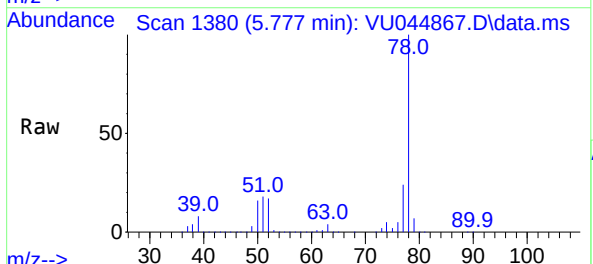
RT: 5.777 min Scan# 1380

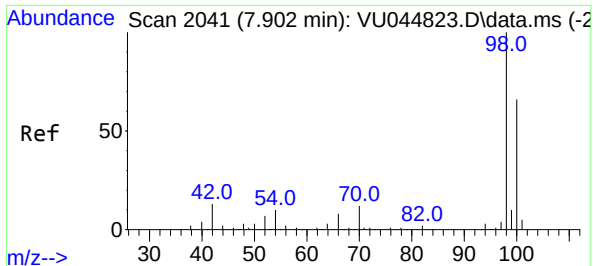
Delta R.T. -0.000 min

Lab File: VU044867.D

Acq: 26 Sep 2021 03:54

Tgt Ion:	78	Resp:	5464299
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7

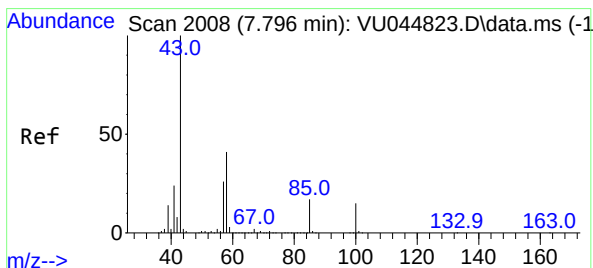
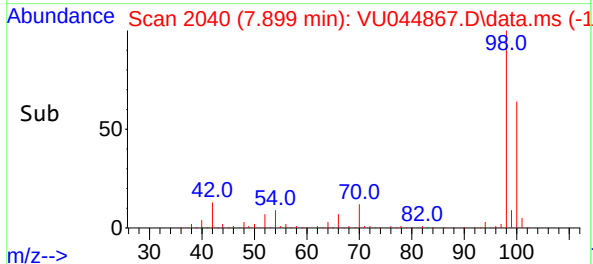
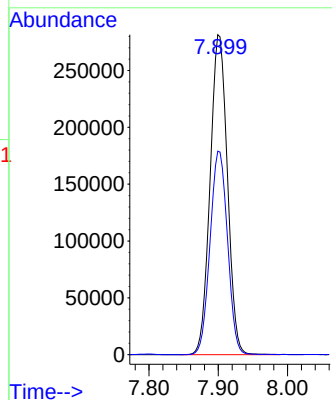
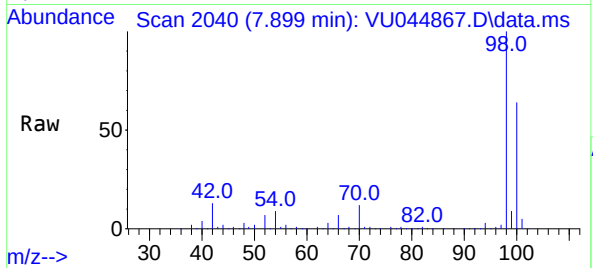




#50
Toluene-d8
Concen: 49.717 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

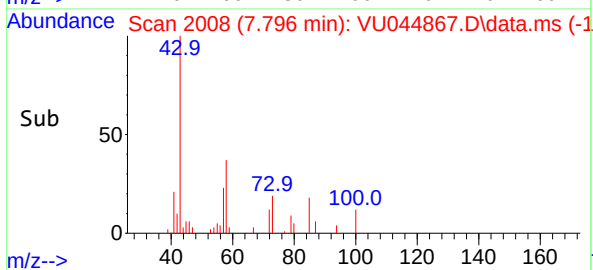
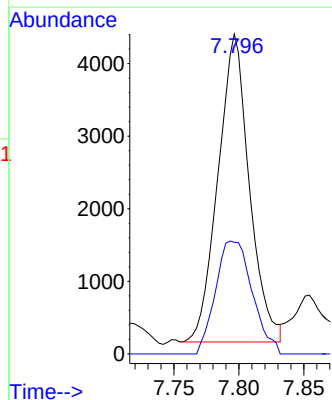
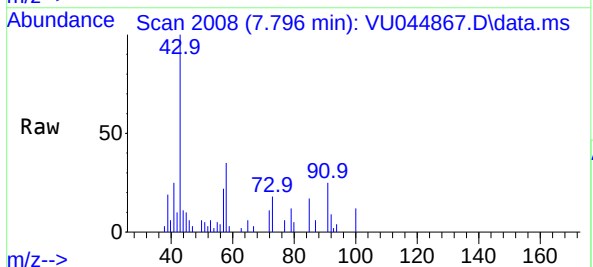
Instrument :
MSVOA_U
ClientSampled :
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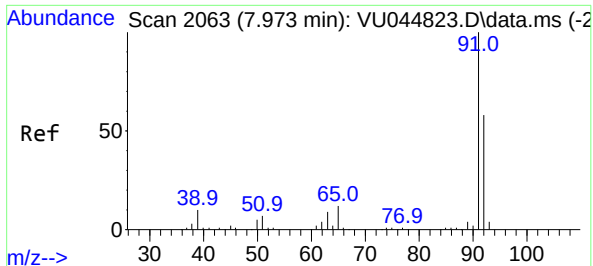
Tgt Ion: 98 Resp: 487493
Ion Ratio Lower Upper
98 100
100 64.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.209 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.000 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion: 43 Resp: 7101
Ion Ratio Lower Upper
43 100
58 43.0 32.4 48.6

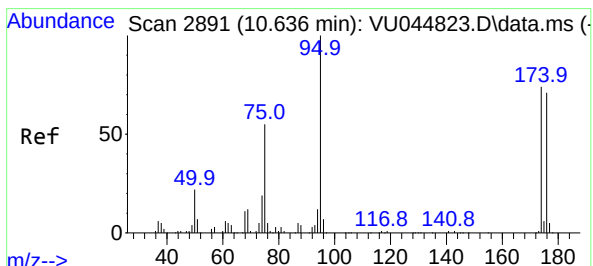
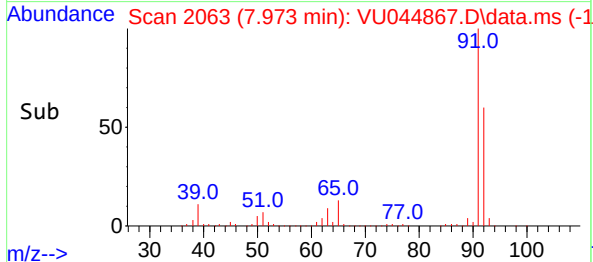
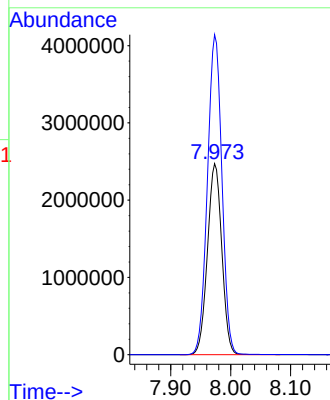
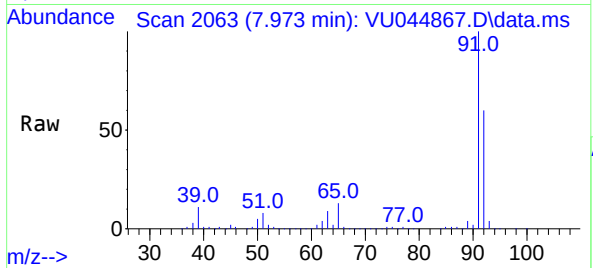




#52
Toluene
Concen: 562.460 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

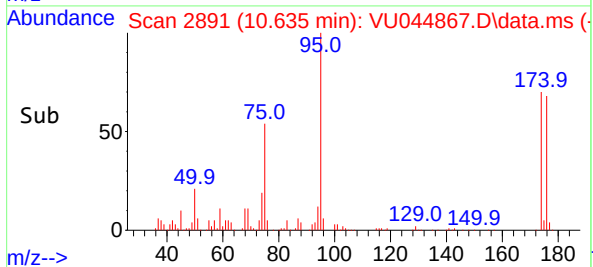
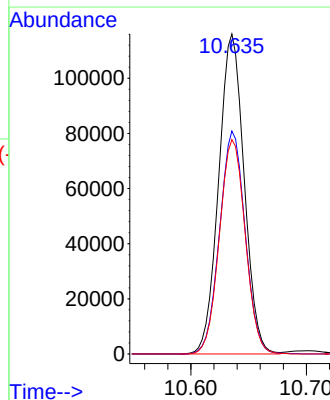
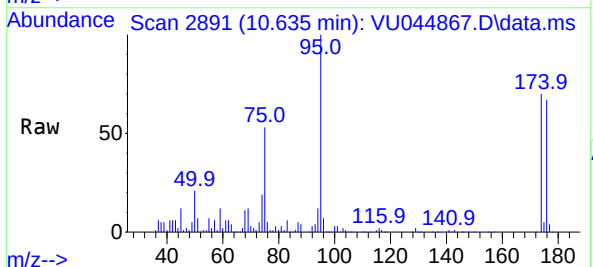
Instrument :
MSVOA_U
ClientSampled :
20894

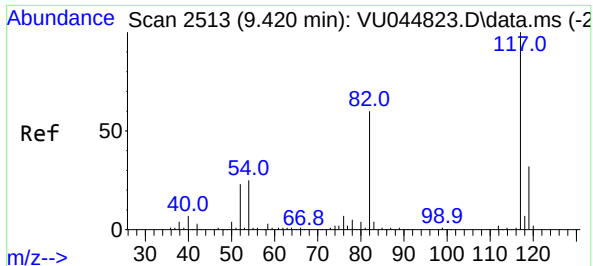
Tgt Ion: 92 Resp: 4116780
Ion Ratio Lower Upper
92 100
91 169.1 136.9 205.3



#62
4-Bromofluorobenzene
Concen: 48.800 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion: 95 Resp: 177724
Ion Ratio Lower Upper
95 100
174 70.0 0.0 146.6
176 67.9 0.0 141.2

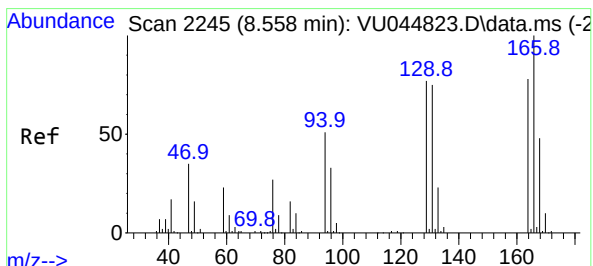
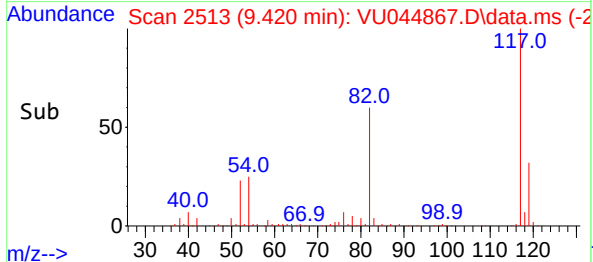
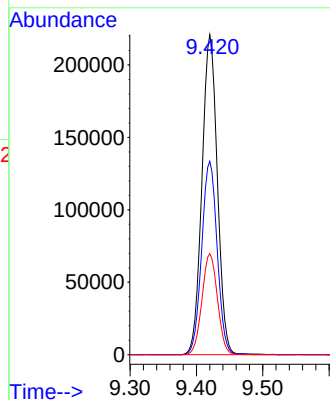
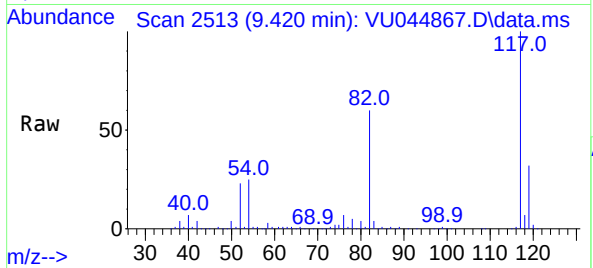




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

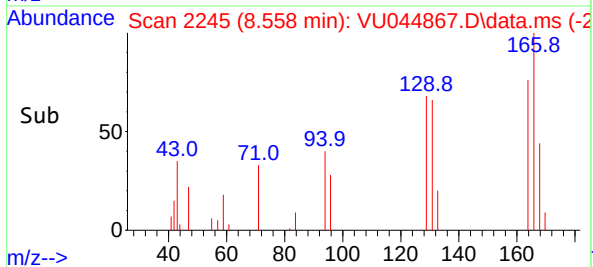
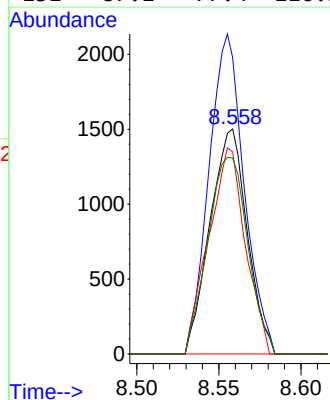
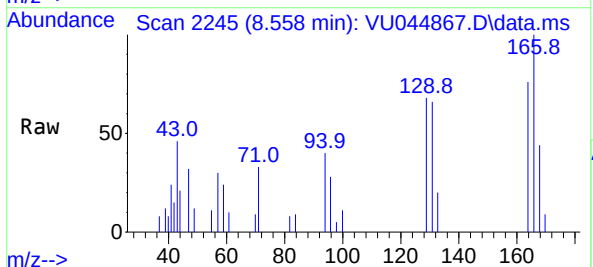
Instrument :
MSVOA_U
ClientSampled :
20894

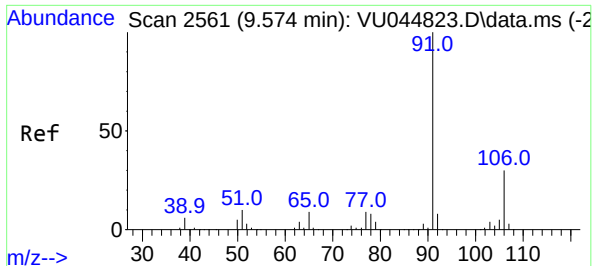
Tgt Ion:117 Resp: 356019
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 0.980 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion:164 Resp: 2364
Ion Ratio Lower Upper
164 100
166 131.6 102.8 154.2
129 89.8 79.4 119.2
131 87.1 77.4 116.2





#67

Ethyl Benzene

Concen: 44.722 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. -0.003 min

Lab File: VU044867.D

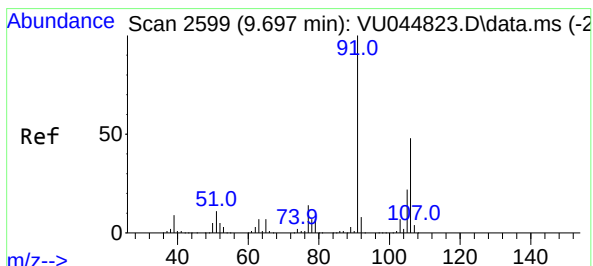
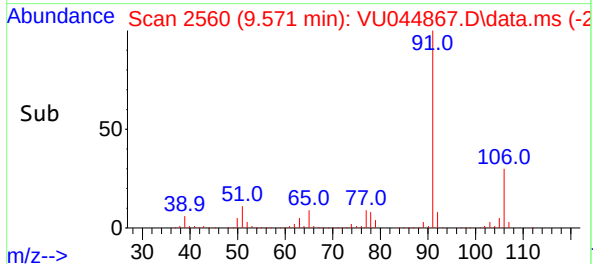
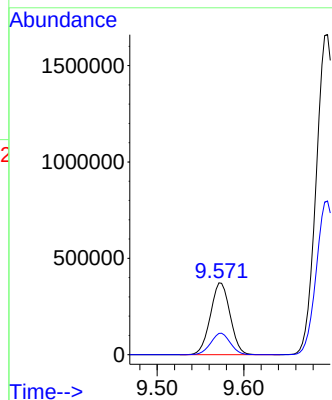
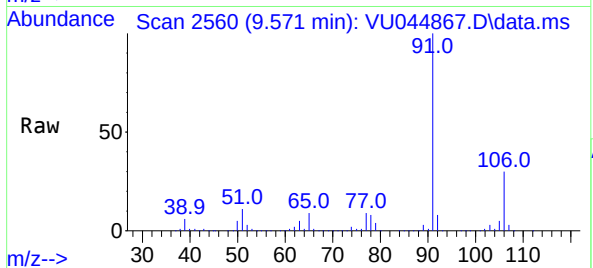
Acq: 26 Sep 2021 03:54

Tgt Ion: 91 Resp: 589965

Ion Ratio Lower Upper

91 100
106 29.6 24.3 36.5

Instrument :
MSVOA_U
ClientSampleId :
20894



#68

m/p-Xylenes

Concen: 255.375 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. -0.000 min

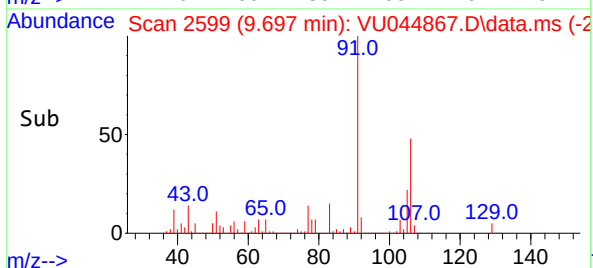
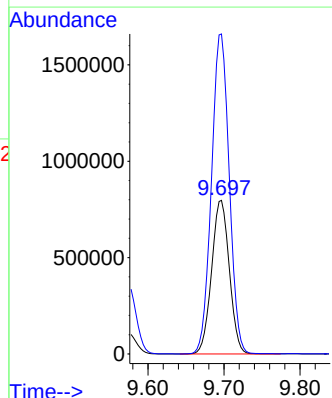
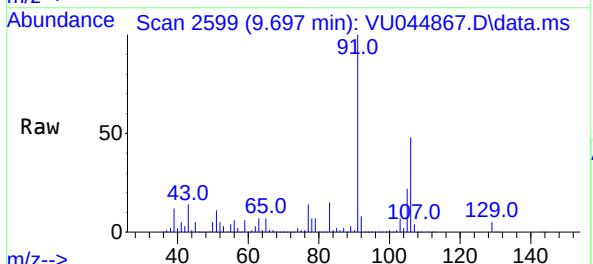
Lab File: VU044867.D

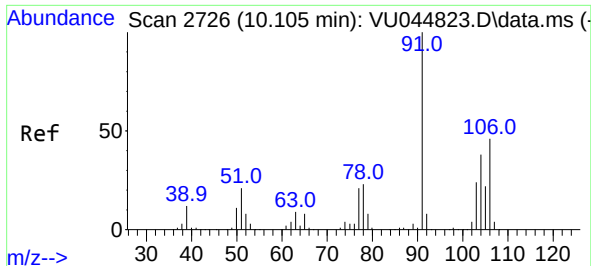
Acq: 26 Sep 2021 03:54

Tgt Ion:106 Resp: 1288480

Ion Ratio Lower Upper

106 100
91 208.8 164.2 246.2

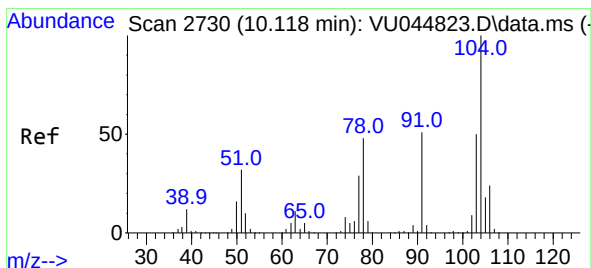
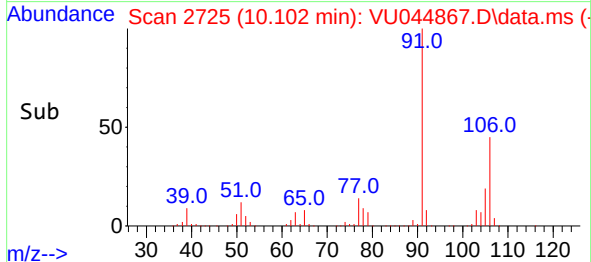
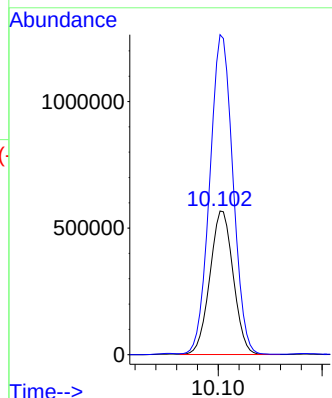
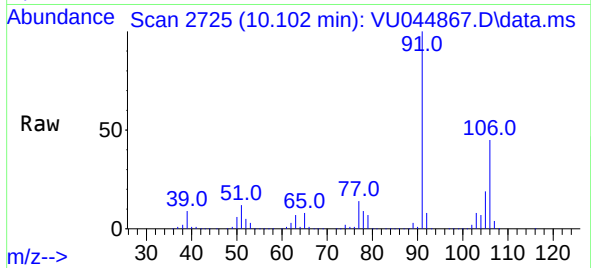




#69
o-Xylene
Concen: 180.978 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

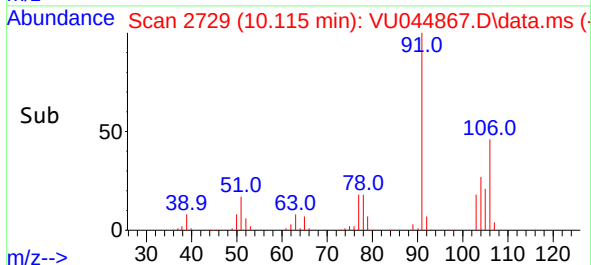
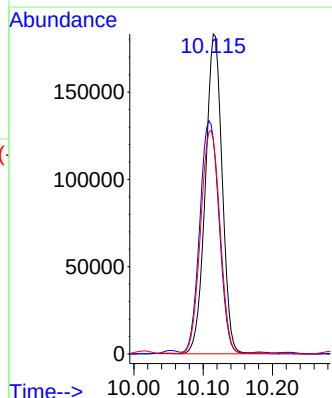
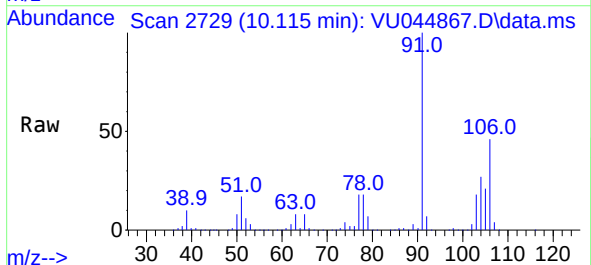
Instrument :
MSVOA_U
ClientSampleId :
20894

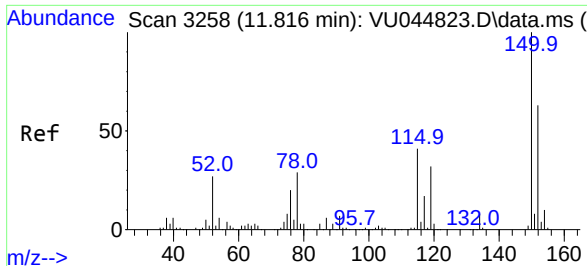
Tgt Ion:106 Resp: 882949
Ion Ratio Lower Upper
106 100
91 221.2 108.9 326.7



#70
Styrene
Concen: 34.064 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion:104 Resp: 307617
Ion Ratio Lower Upper
104 100
78 83.0 41.4 62.0#
103 80.3 43.5 65.3#

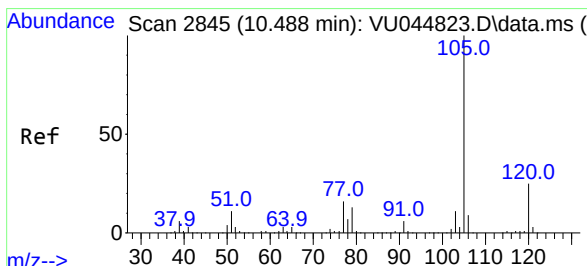
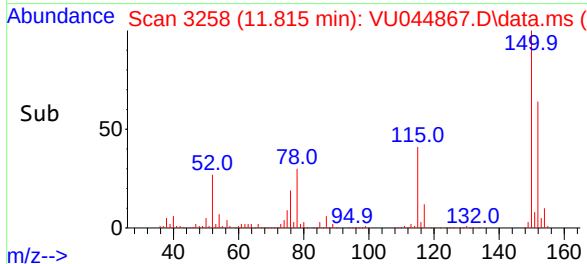
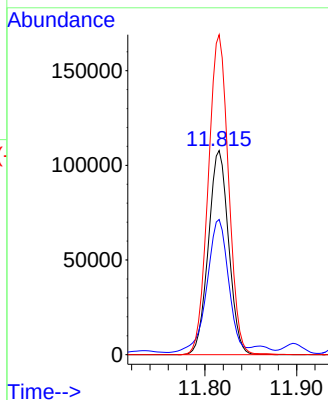
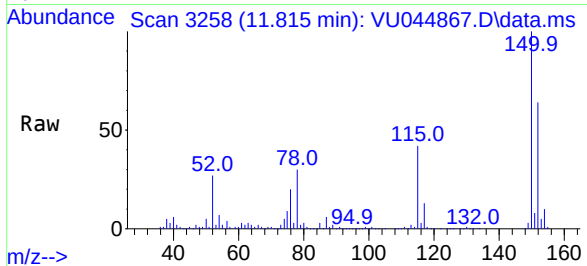




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

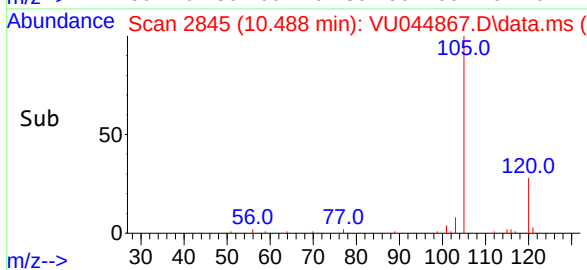
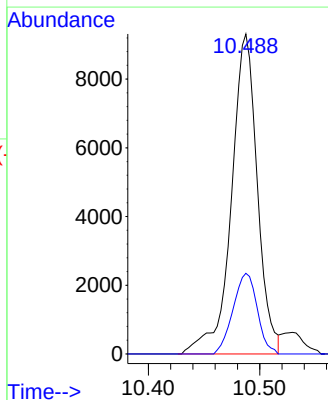
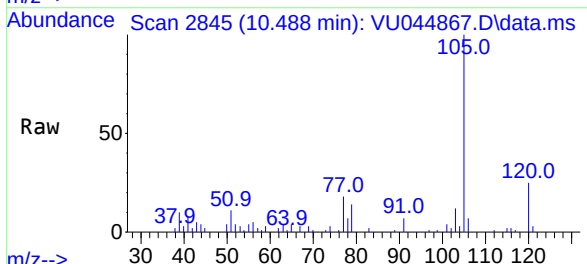
Instrument :
MSVOA_U
ClientSampled :
20894

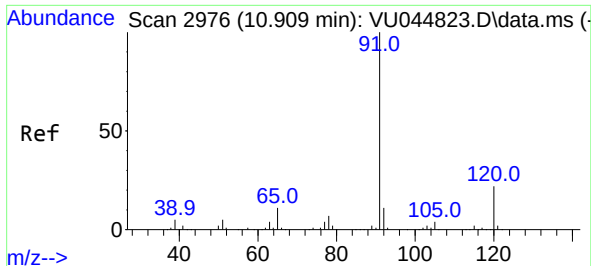
Tgt Ion:152 Resp: 165570
Ion Ratio Lower Upper
152 100
115 69.2 43.5 130.7
150 157.1 0.0 350.0



#73
Isopropylbenzene
Concen: 1.285 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion:105 Resp: 15097
Ion Ratio Lower Upper
105 100
120 23.5 12.8 38.3

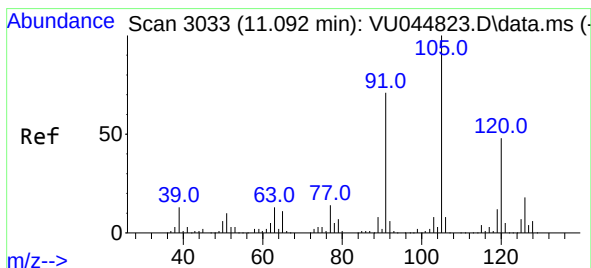
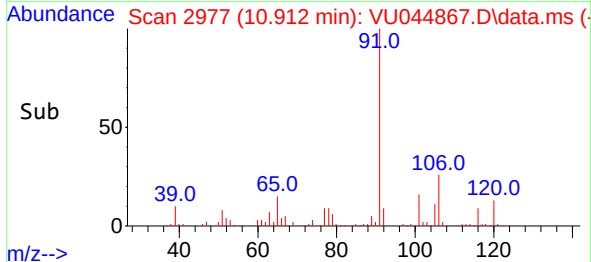
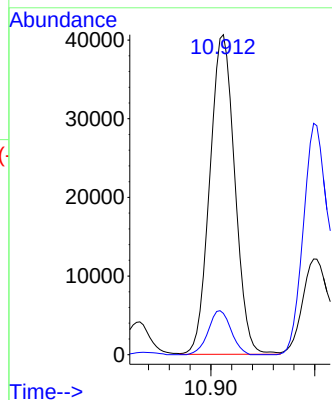
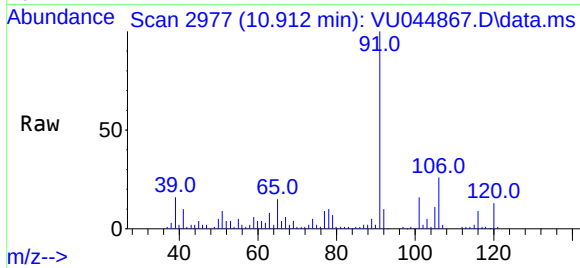




#78
n-propylbenzene
Concen: 4.770 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.003 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

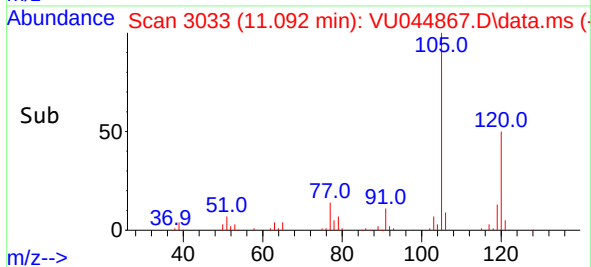
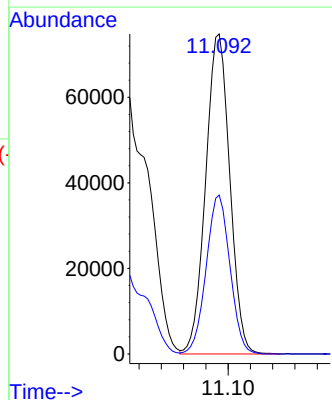
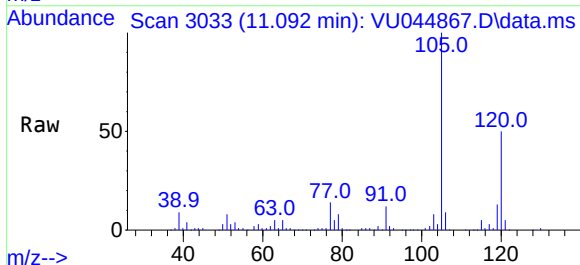
Instrument :
MSVOA_U
ClientSampled :
20894

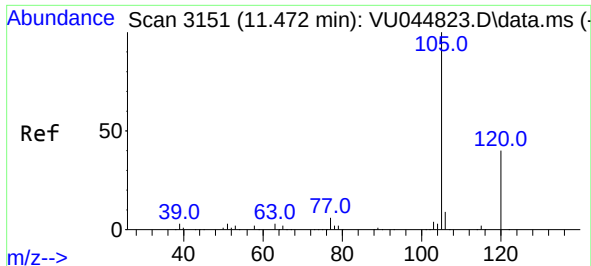
Tgt Ion: 91 Resp: 67922
Ion Ratio Lower Upper
91 100
120 12.6 10.8 32.4



#80
1,3,5-Trimethylbenzene
Concen: 11.302 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion: 105 Resp: 112503
Ion Ratio Lower Upper
105 100
120 49.0 24.1 72.2

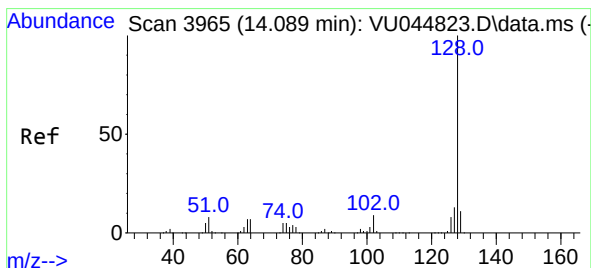
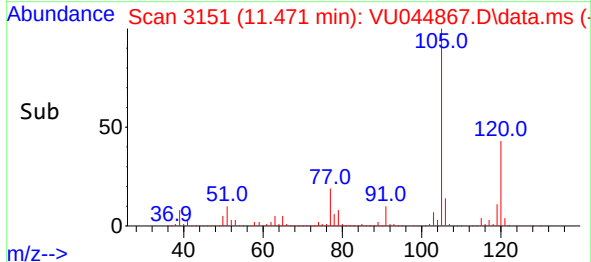
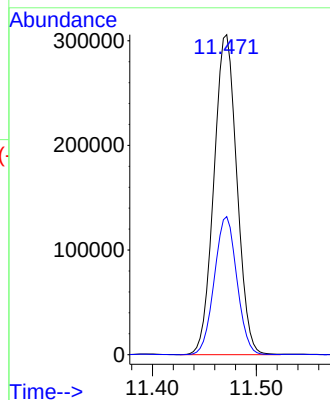
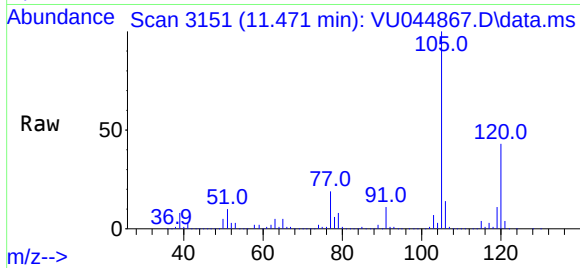




#84
1,2,4-Trimethylbenzene
Concen: 47.938 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Instrument :
MSVOA_U
ClientSampleId :
20894

Tgt Ion:105 Resp: 470436
Ion Ratio Lower Upper
105 100
120 42.3 22.4 67.3



#95
Naphthalene
Concen: 504.495 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044867.D
Acq: 26 Sep 2021 03:54

Tgt Ion:128 Resp: 6517724
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.6 13.0

