

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044852.D
 Acq On : 25 Sep 2021 21:15
 Operator : SY/MD
 Sample : M3895-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 210922099-02-VOA

Quant Time: Sep 27 01:36:33 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)

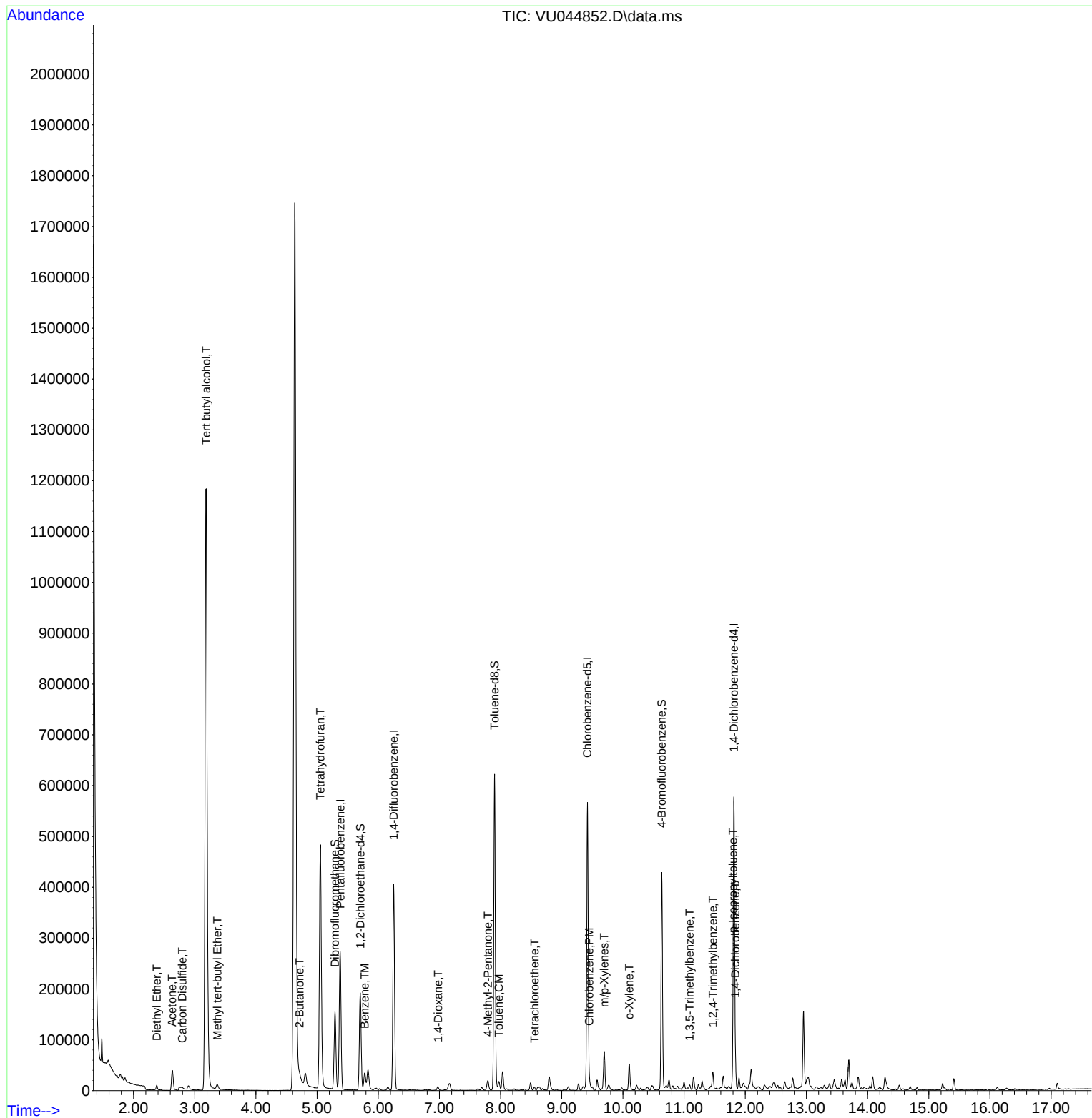
Internal Standards						
1) Pentafluorobenzene	5.378	168	175396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	306232	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	287401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	136819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	145454	47.516	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.040%	
35) Dibromofluoromethane	5.292	113	97372	46.350	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.700%	
50) Toluene-d8	7.902	98	394997	49.784	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.560%	
62) 4-Bromofluorobenzene	10.635	95	139817	47.445	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.880%	
Target Compounds						Qvalue
8) Diethyl Ether	2.378	74	2869	1.715	ug/l	100
11) Tert butyl alcohol	3.186	59	1540041	1723.675	ug/l	100
16) Acetone	2.629	43	33963	19.669	ug/l	99
17) Carbon Disulfide	2.796	76	2930	0.493	ug/l #	87
19) Methyl tert-butyl Ether	3.369	73	9865	1.251	ug/l	97
25) 2-Butanone	4.713	43	10634	4.059	ug/l	100
29) Tetrahydrofuran	5.054	42	321235	194.895	ug/l	99
40) Benzene	5.780	78	25974	2.622	ug/l	98
49) 1,4-Dioxane	6.976	88	4610	57.296	ug/l	98
51) 4-Methyl-2-Pentanone	7.793	43	12831	2.699	ug/l #	86
52) Toluene	7.973	92	5846	0.987	ug/l	99
64) Tetrachloroethene	8.555	164	625	0.321	ug/l	88
65) Chlorobenzene	9.449	112	2681	0.449	ug/l #	54
68) m/p-Xylenes	9.697	106	19073	4.683	ug/l	96
69) o-Xylene	10.102	106	13224	3.358	ug/l	97
80) 1,3,5-Trimethylbenzene	11.089	105	5228	0.636	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	18582	2.291	ug/l	99
86) p-Isopropyltoluene	11.799	119	3214	0.385	ug/l #	67
88) 1,4-Dichlorobenzene	11.838	146	14846	3.189	ug/l	86

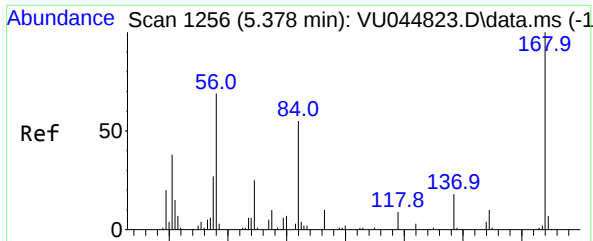
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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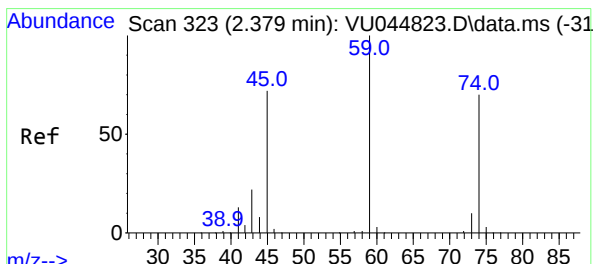
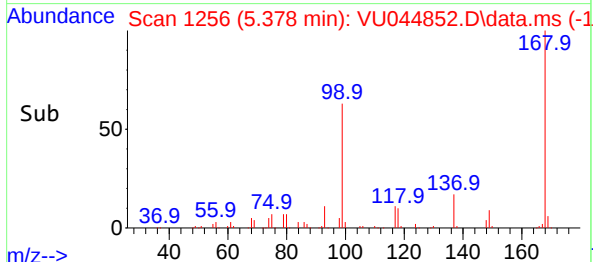
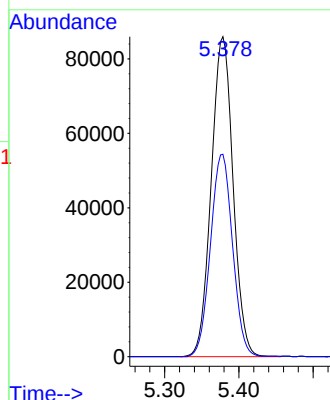
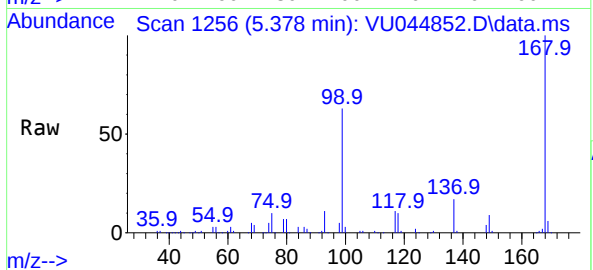




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

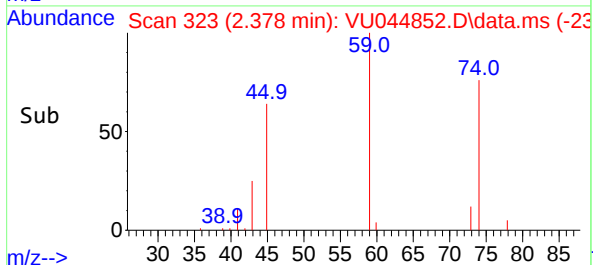
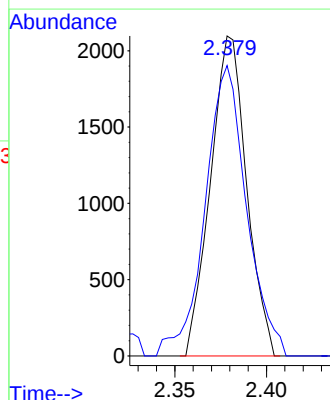
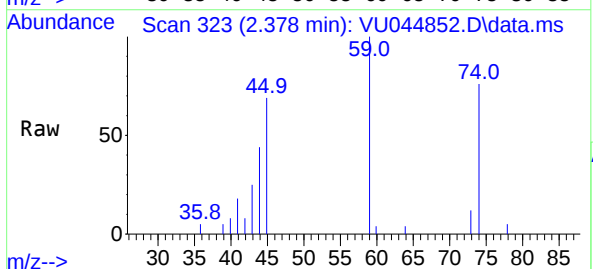
Instrument :
MSVOA_U
ClientSampleId :
210922099-02-VOA

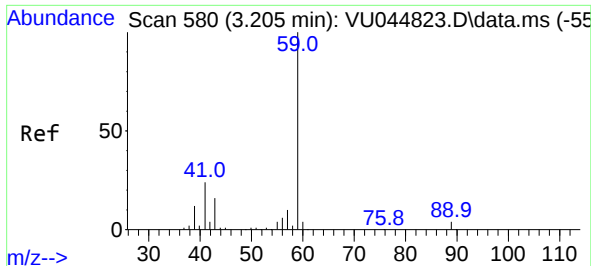
Tgt Ion:168 Resp: 175396
Ion Ratio Lower Upper
168 100
99 63.2 51.4 77.0



#8
Diethyl Ether
Concen: 1.715 ug/l
RT: 2.378 min Scan# 323
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion: 74 Resp: 2869
Ion Ratio Lower Upper
74 100
45 104.2 52.2 156.6



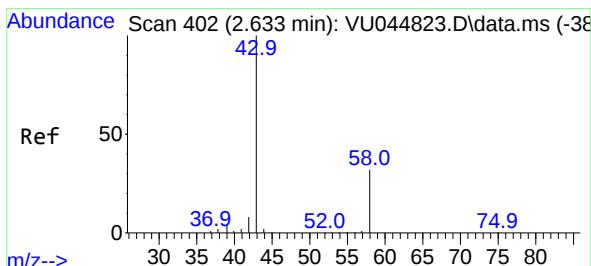
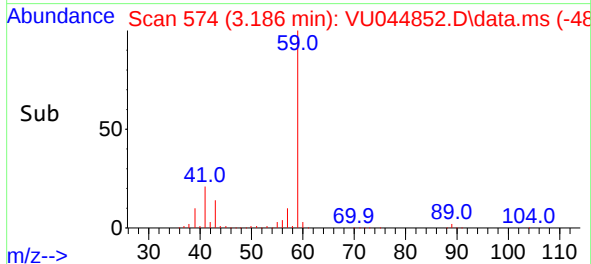
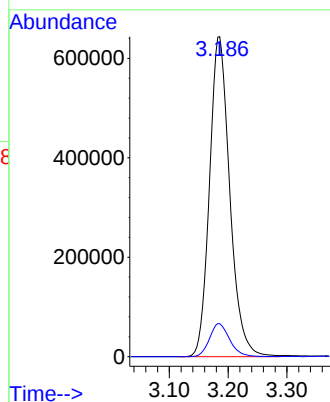
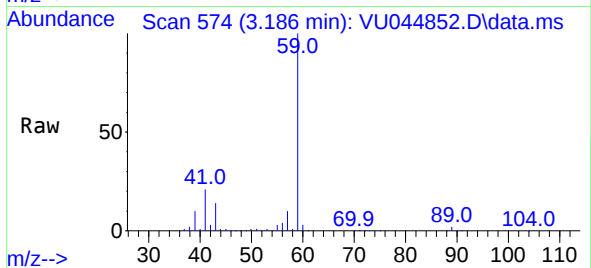


#11

Tert butyl alcohol
Concen: 1723.675 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.019 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Instrument :
MSVOA_U
ClientSampleId :
210922099-02-VOA

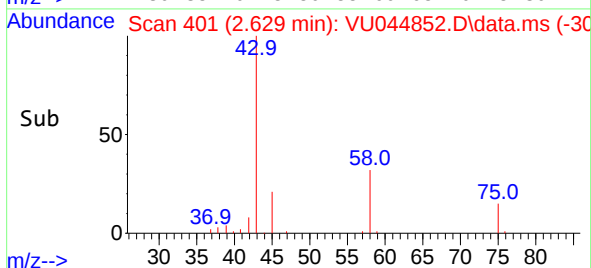
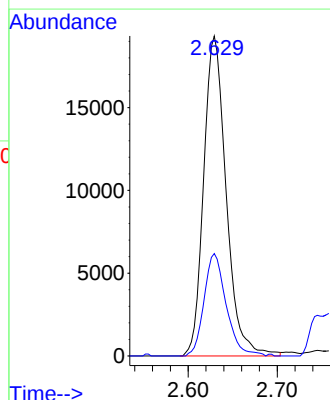
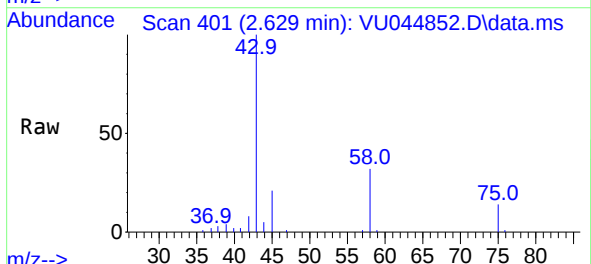
Tgt Ion: 59 Resp: 1540041
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

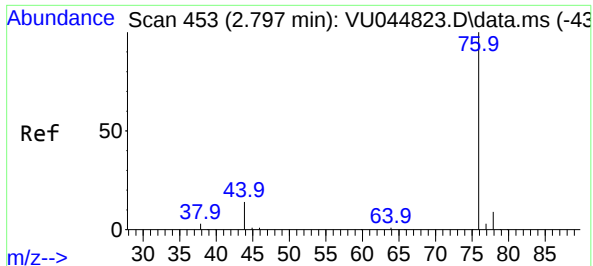


#16

Acetone
Concen: 19.669 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion: 43 Resp: 33963
Ion Ratio Lower Upper
43 100
58 32.0 25.2 37.8

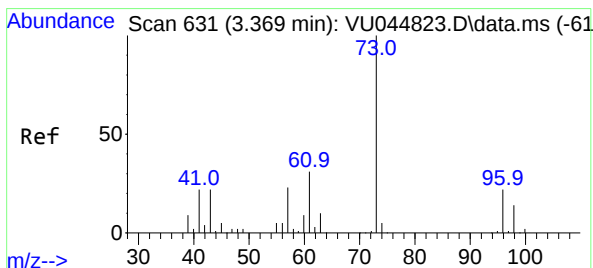
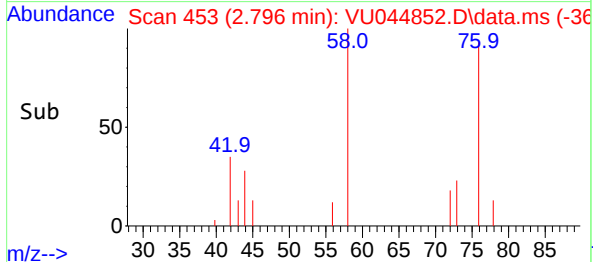
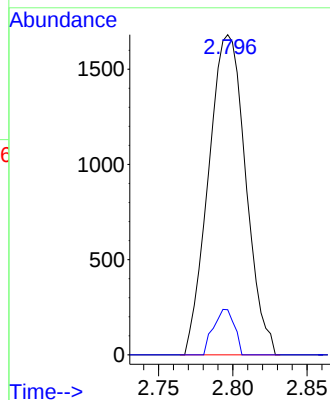
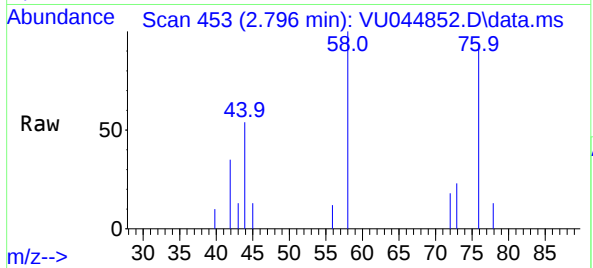




#17
Carbon Disulfide
Concen: 0.493 ug/l
RT: 2.796 min Scan# 453
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

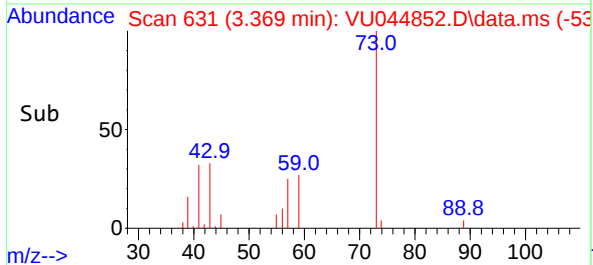
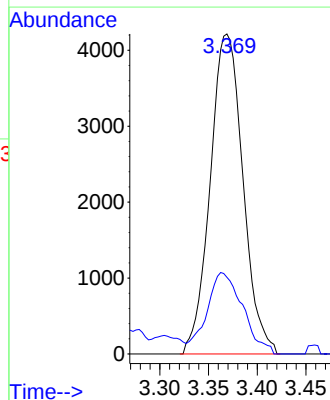
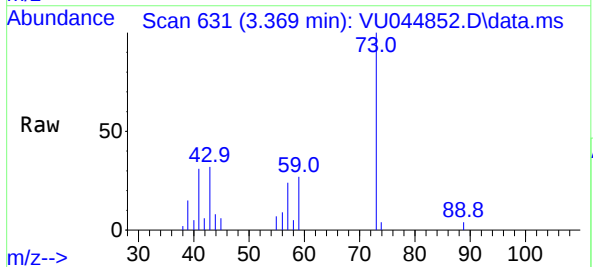
Instrument :
MSVOA_U
ClientSampleId :
210922099-02-VOA

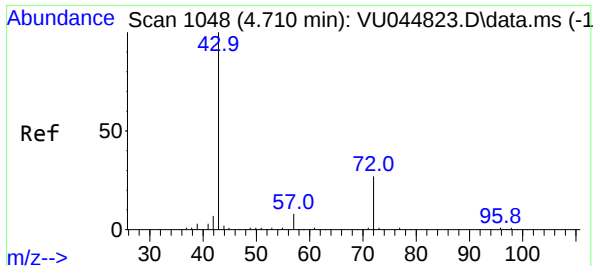
Tgt Ion: 76 Resp: 2930
Ion Ratio Lower Upper
76 100
78 14.1 7.4 11.0#



#19
Methyl tert-butyl Ether
Concen: 1.251 ug/l
RT: 3.369 min Scan# 631
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion: 73 Resp: 9865
Ion Ratio Lower Upper
73 100
57 24.0 18.2 27.2



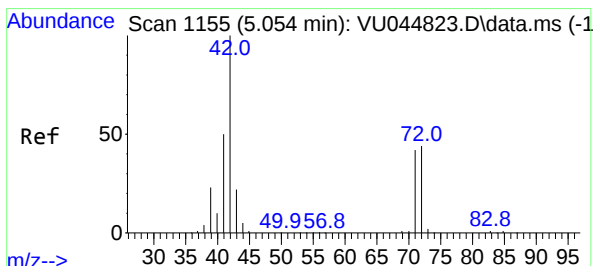
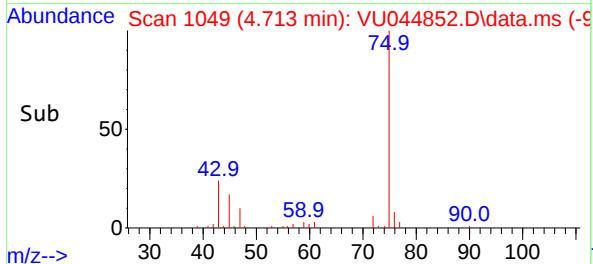
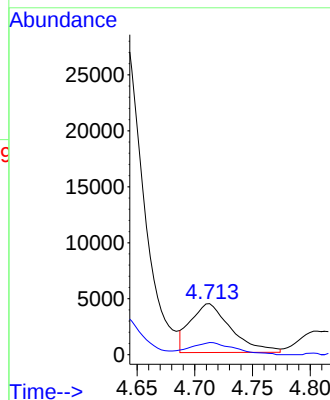
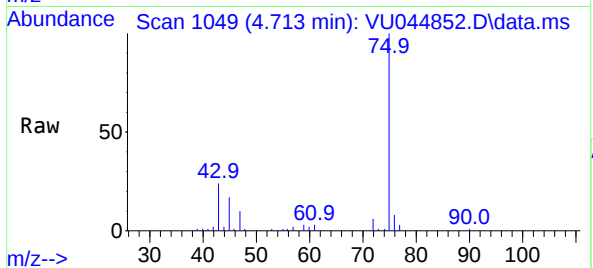


#25

2-Butanone
Concen: 4.059 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Instrument :
MSVOA_U
ClientSampleId :
210922099-02-VOA

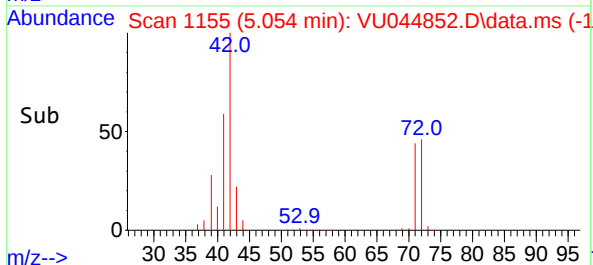
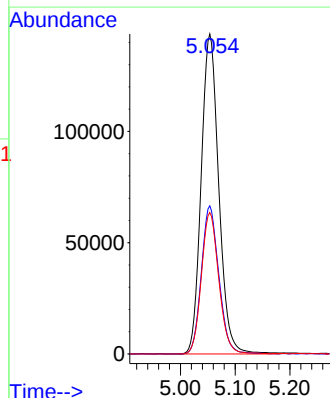
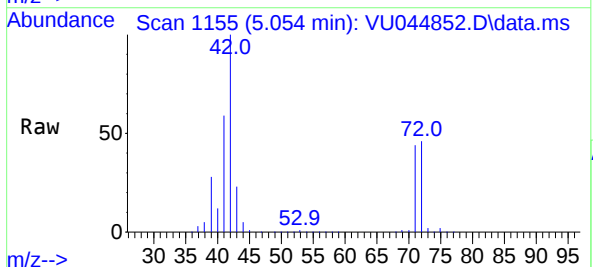
Tgt Ion: 43 Resp: 10634
Ion Ratio Lower Upper
43 100
72 26.7 21.3 31.9

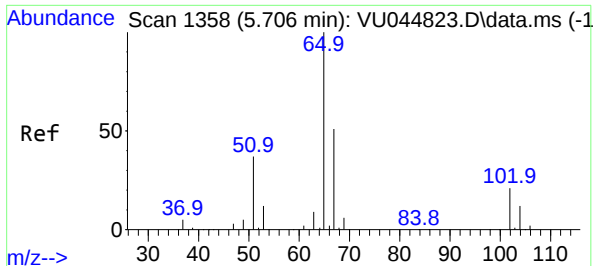


#29

Tetrahydrofuran
Concen: 194.895 ug/l
RT: 5.054 min Scan# 1155
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion: 42 Resp: 321235
Ion Ratio Lower Upper
42 100
72 45.9 36.2 54.4
71 43.8 34.1 51.1

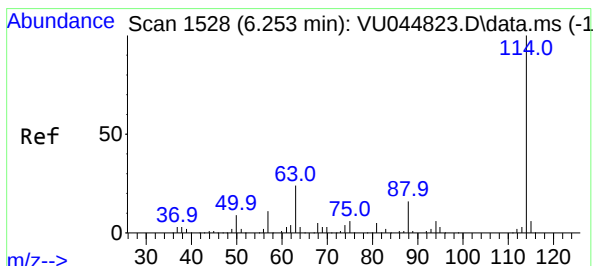
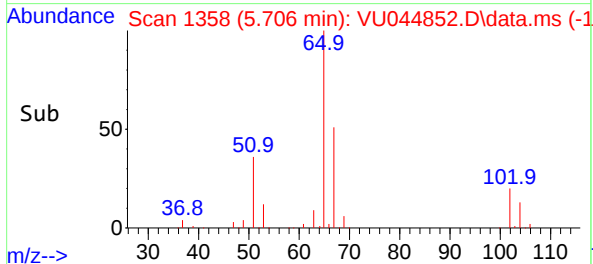
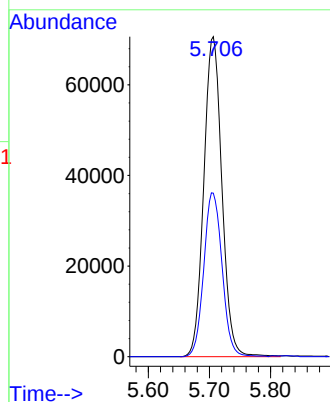
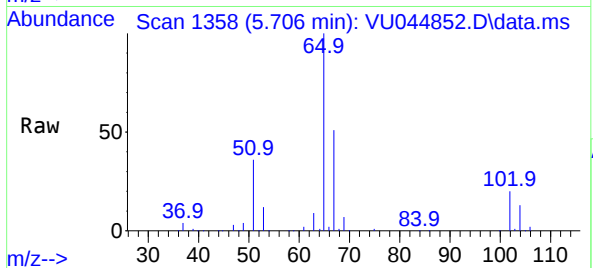




#33
1,2-Dichloroethane-d4
Concen: 47.516 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

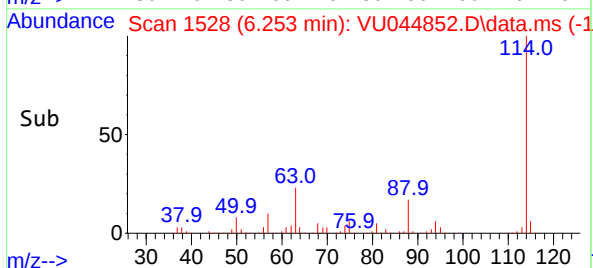
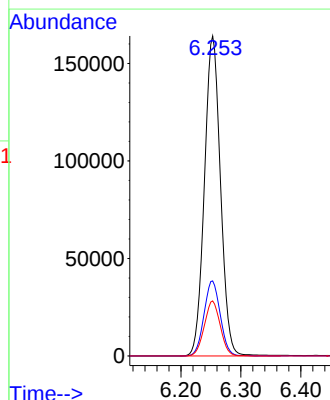
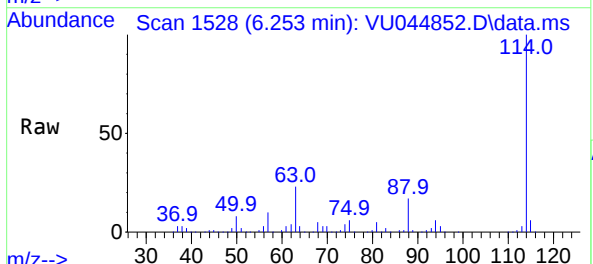
Instrument :
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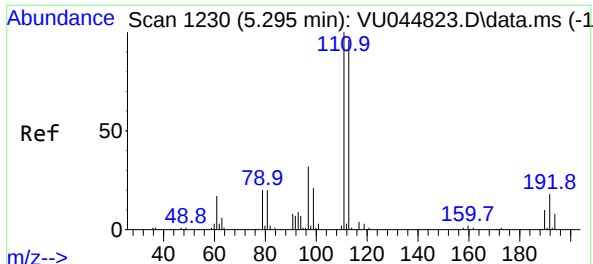
Tgt Ion: 65 Resp: 145454
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion: 114 Resp: 306232
Ion Ratio Lower Upper
114 100
63 23.5 0.0 47.8
88 17.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.350 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.003 min

Lab File: VU044852.D

Acq: 25 Sep 2021 21:15

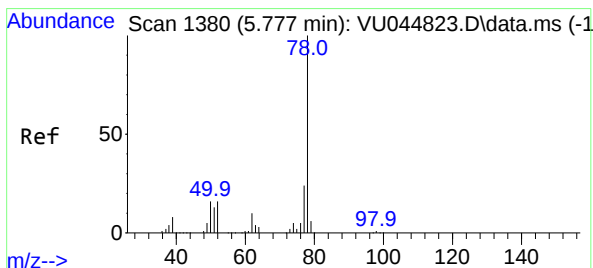
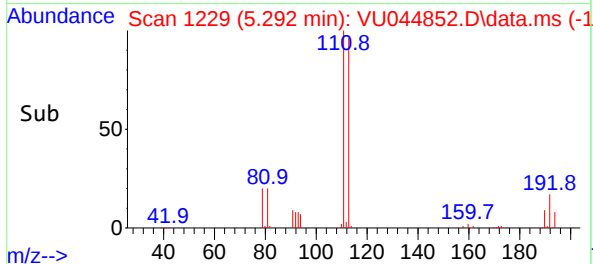
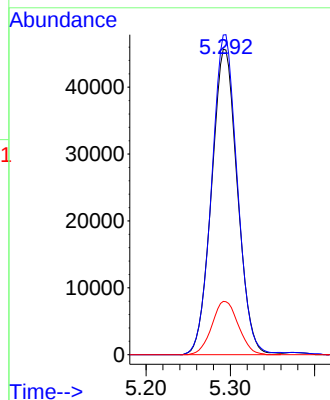
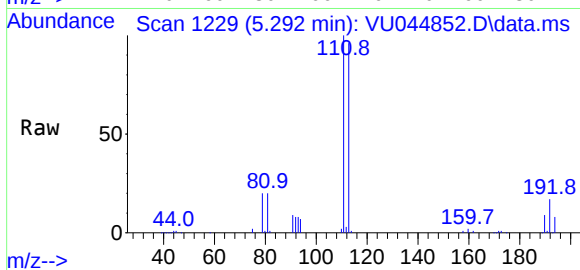
Tgt Ion:113 Resp: 97372

Ion Ratio Lower Upper

113 100

111 103.3 84.1 126.1

192 17.8 14.8 22.2



#40

Benzene

Concen: 2.622 ug/l

RT: 5.780 min Scan# 1381

Delta R.T. 0.003 min

Lab File: VU044852.D

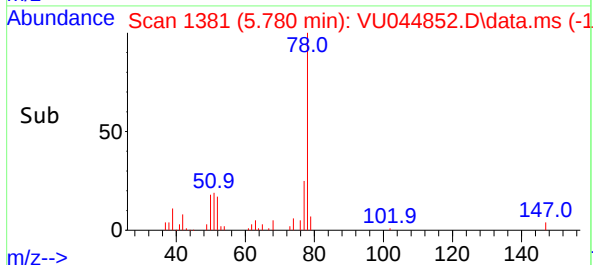
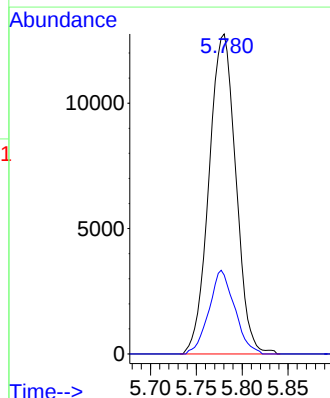
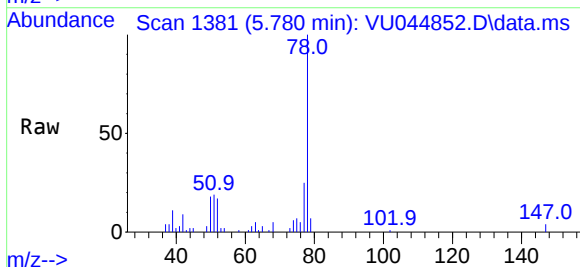
Acq: 25 Sep 2021 21:15

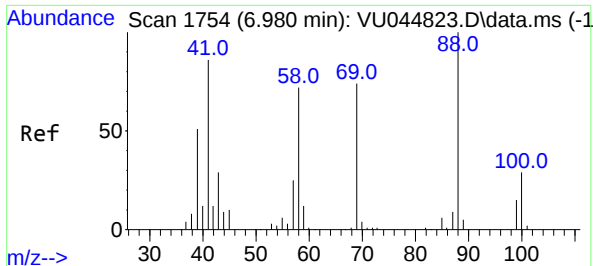
Tgt Ion: 78 Resp: 25974

Ion Ratio Lower Upper

78 100

77 24.7 19.1 28.7





#49

1,4-Dioxane

Concen: 57.296 ug/l

RT: 6.976 min Scan# 1753

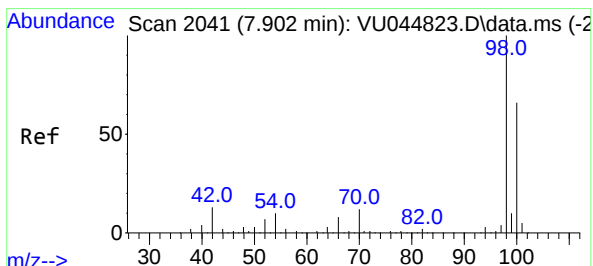
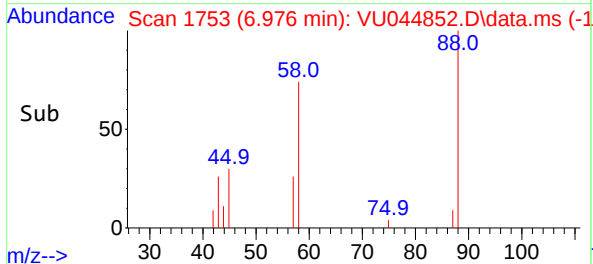
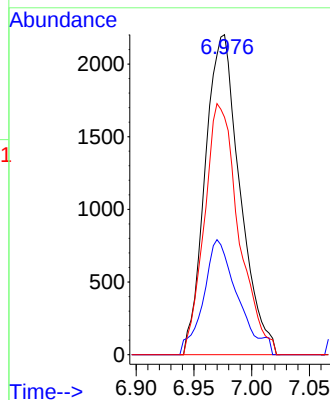
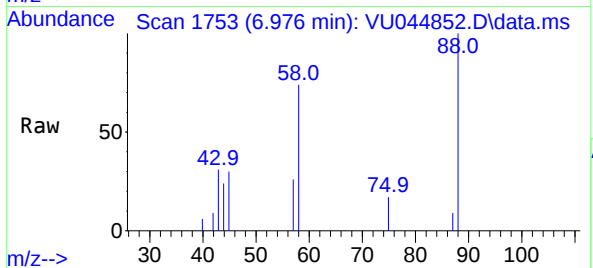
Delta R.T. -0.003 min

Lab File: VU044852.D

Acq: 25 Sep 2021 21:15

Tgt Ion: 88 Resp: 4610

Ion	Ratio	Lower	Upper
88	100		
43	35.4	25.8	38.6
58	77.5	61.3	91.9



#50

Toluene-d8

Concen: 49.784 ug/l

RT: 7.902 min Scan# 2041

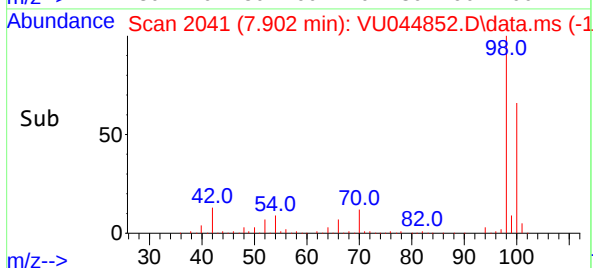
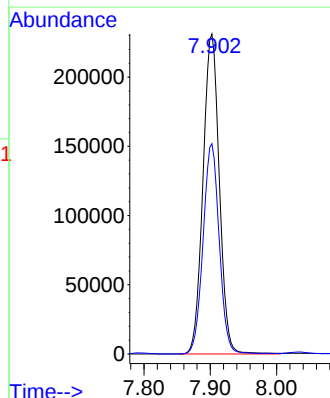
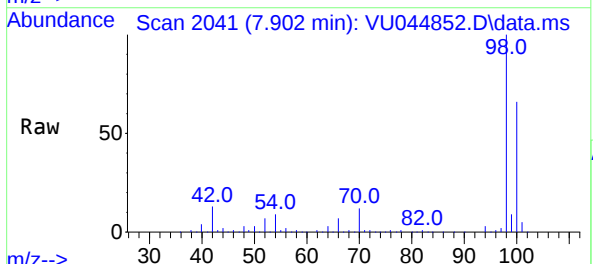
Delta R.T. -0.000 min

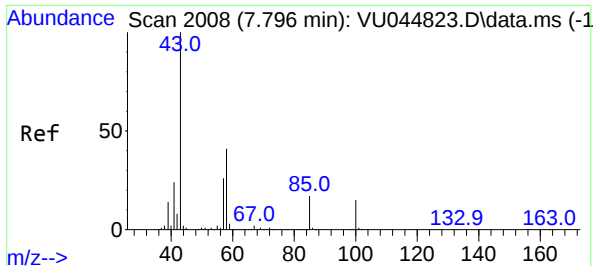
Lab File: VU044852.D

Acq: 25 Sep 2021 21:15

Tgt Ion: 98 Resp: 394997

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.5	78.7

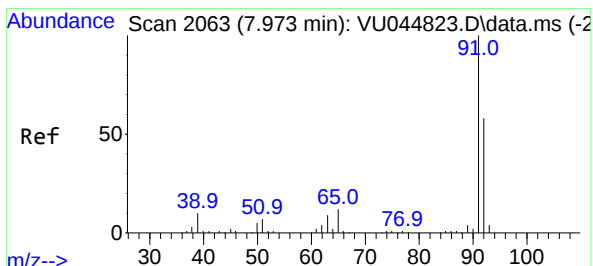
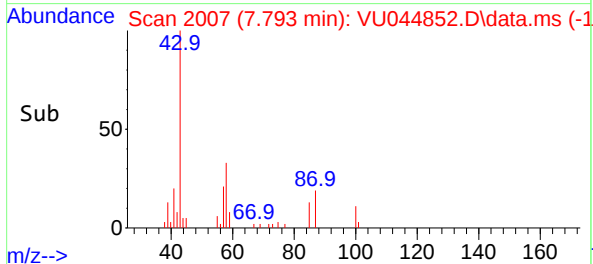
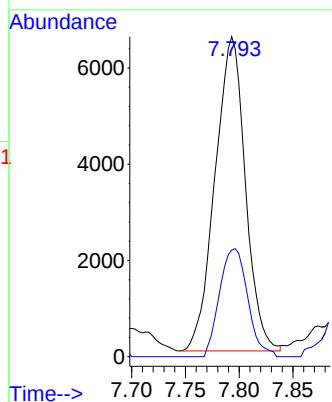
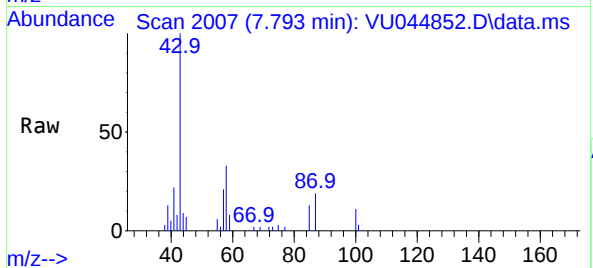




#51
4-Methyl-2-Pentanone
Concen: 2.699 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.003 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

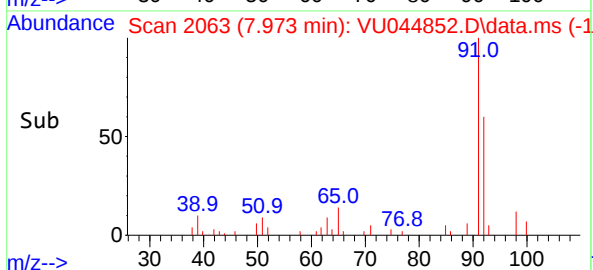
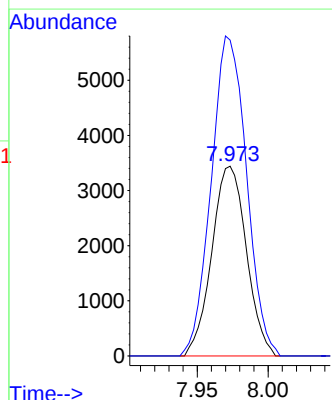
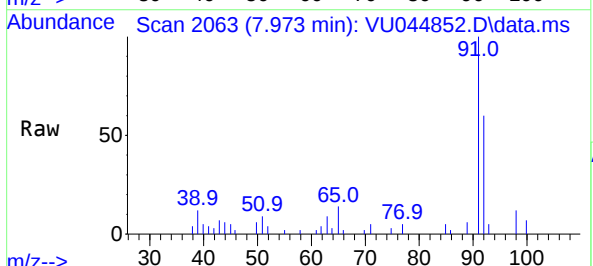
Instrument :
MSVOA_U
ClientSampleId :
210922099-02-VOA

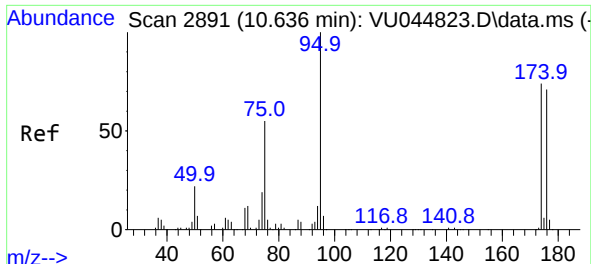
Tgt Ion: 43 Resp: 12831
Ion Ratio Lower Upper
43 100
58 31.8 32.4 48.6#



#52
Toluene
Concen: 0.987 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion: 92 Resp: 5846
Ion Ratio Lower Upper
92 100
91 172.1 136.9 205.3

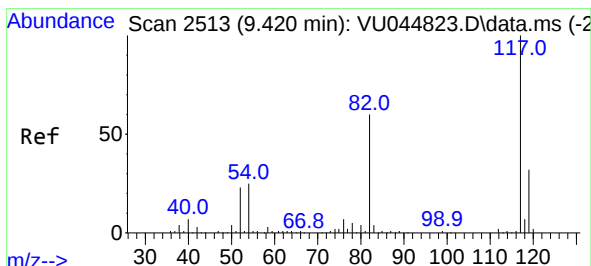
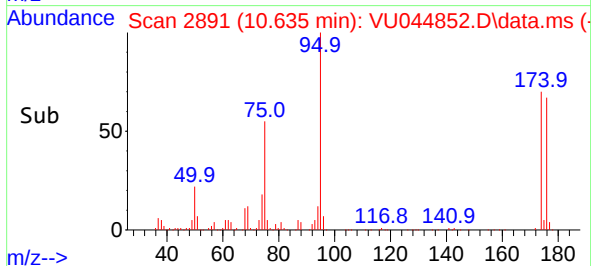
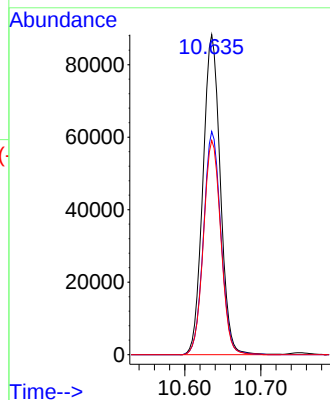
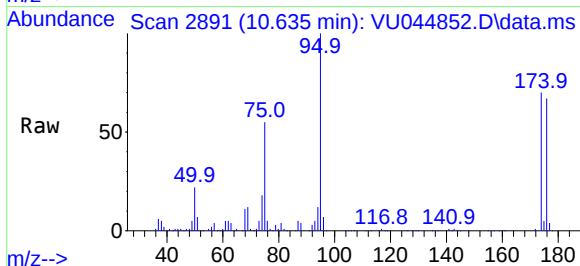




#62
4-Bromofluorobenzene
Concen: 47.445 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

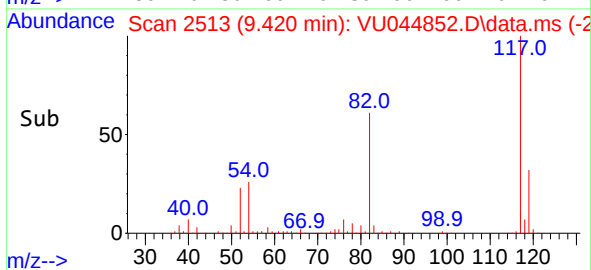
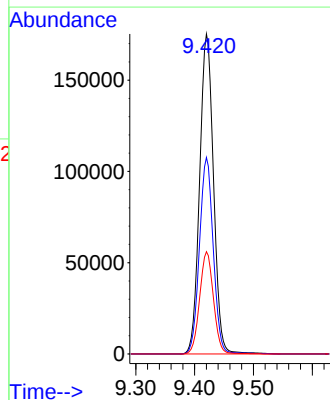
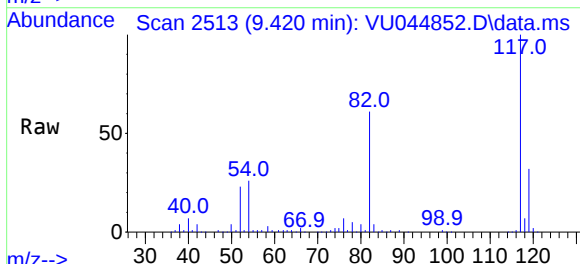
Instrument :
MSVOA_U
ClientSampleId :
210922099-02-VOA

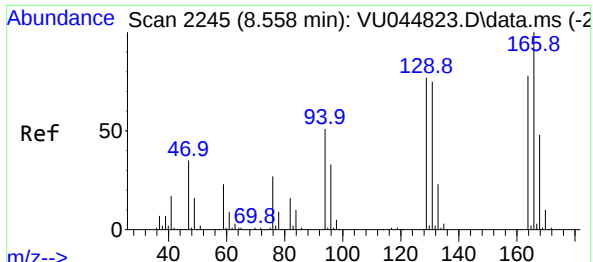
Tgt Ion: 95 Resp: 139817
Ion Ratio Lower Upper
95 100
174 69.6 0.0 146.6
176 67.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion: 117 Resp: 287401
Ion Ratio Lower Upper
117 100
82 61.4 47.8 71.8
119 31.9 25.8 38.6



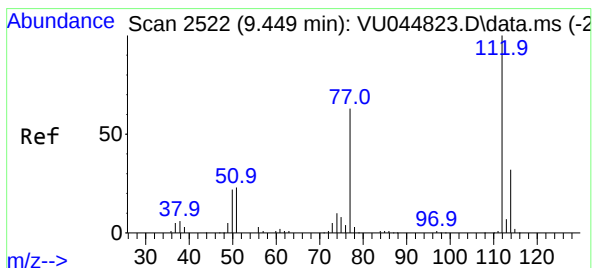
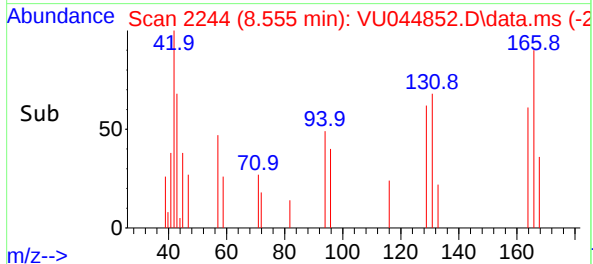
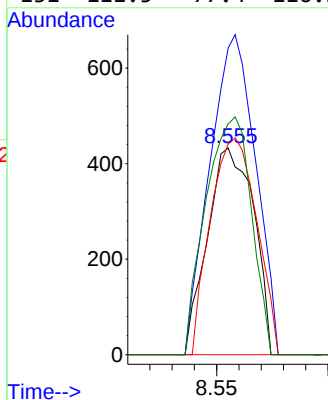
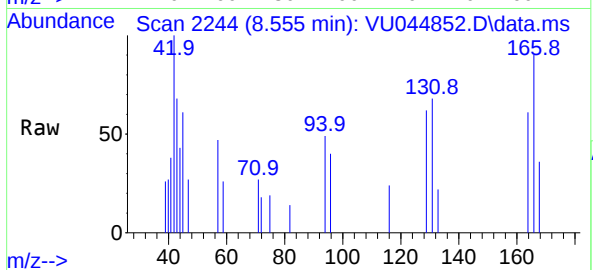


#64
Tetrachloroethene
Concen: 0.321 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Instrument :
MSVOA_U
ClientSampleId :
210922099-02-VOA

Tgt Ion:164 Resp: 625

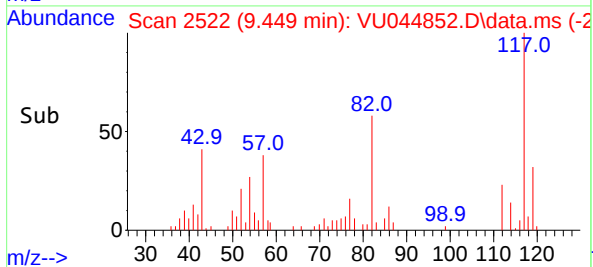
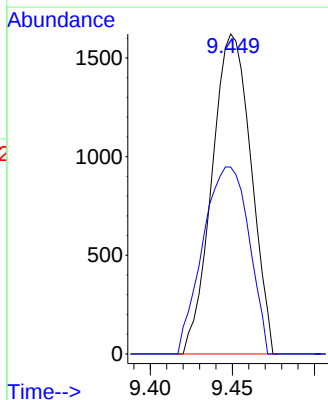
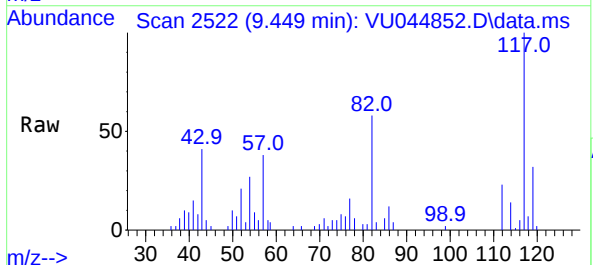
Ion	Ratio	Lower	Upper
164	100		
166	148.3	102.8	154.2
129	101.8	79.4	119.2
131	111.5	77.4	116.2

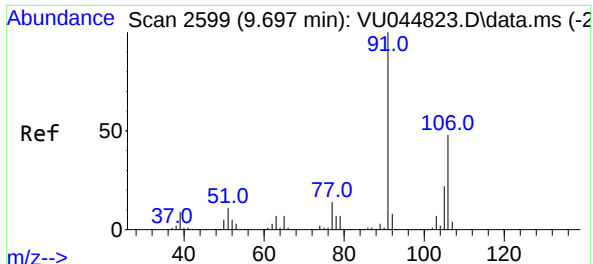


#65
Chlorobenzene
Concen: 0.449 ug/l
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion:112 Resp: 2681

Ion	Ratio	Lower	Upper
112	100		
114	58.4	25.9	38.9#

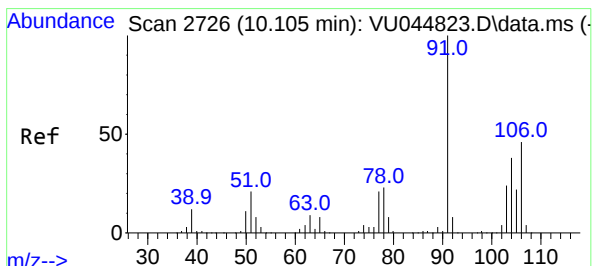
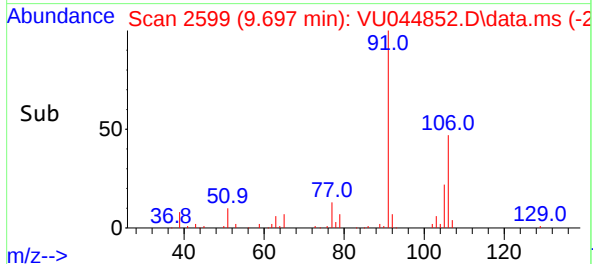
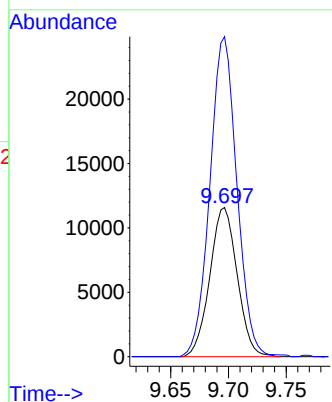
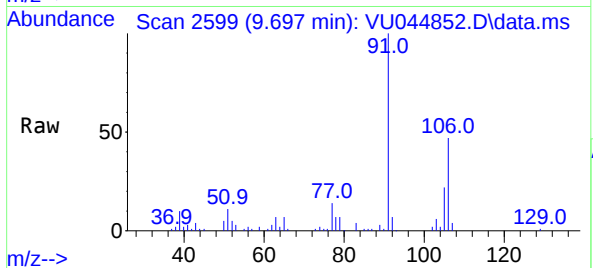




#68
m/p-Xylenes
Concen: 4.683 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

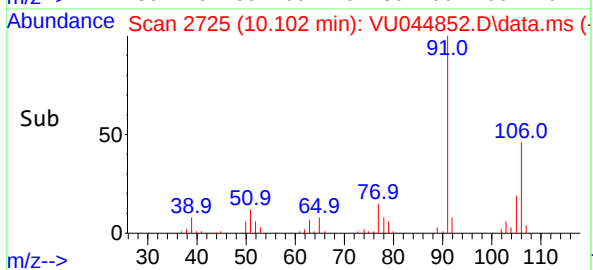
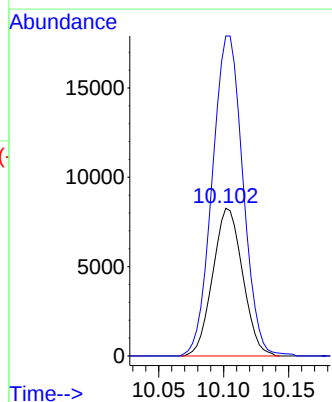
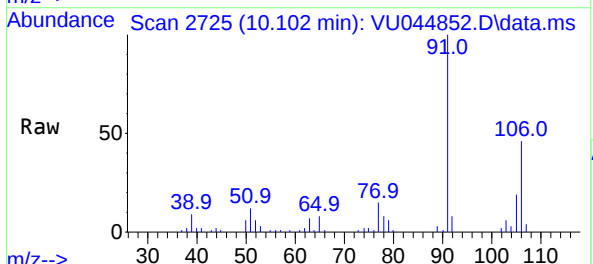
Instrument :
MSVOA_U
ClientSampleId :
210922099-02-VOA

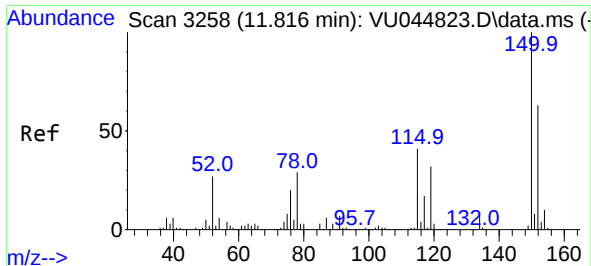
Tgt Ion:106 Resp: 19073
Ion Ratio Lower Upper
106 100
91 211.8 164.2 246.2



#69
o-Xylene
Concen: 3.358 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion:106 Resp: 13224
Ion Ratio Lower Upper
106 100
91 222.7 108.9 326.7

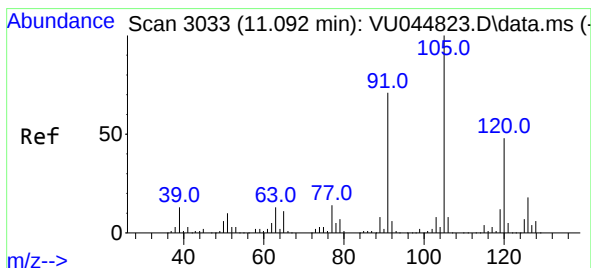
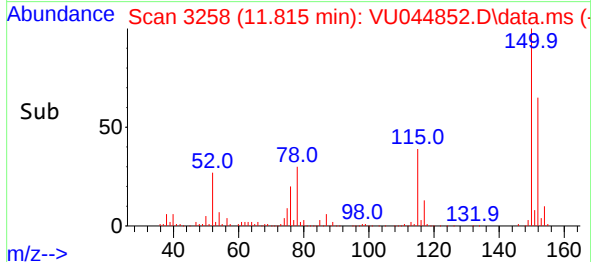
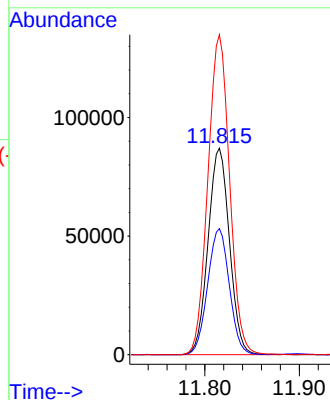
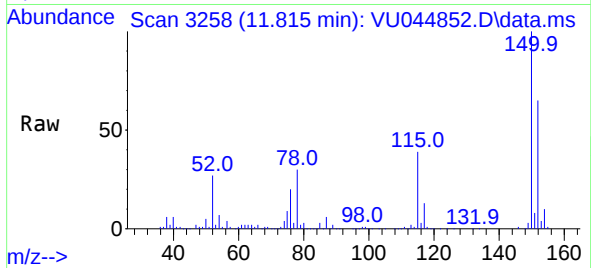




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

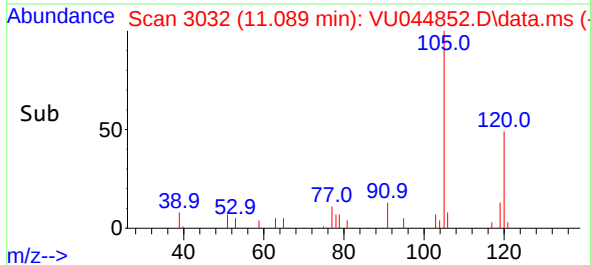
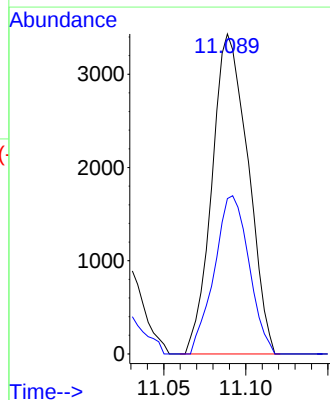
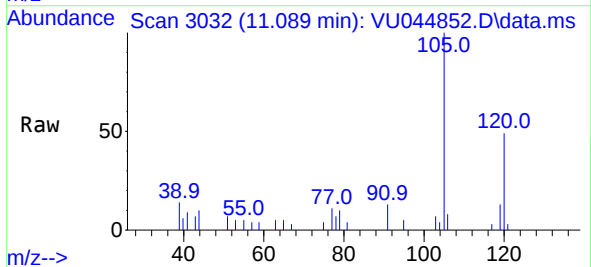
Instrument :
MSVOA_U
ClientSampleId :
210922099-02-VOA

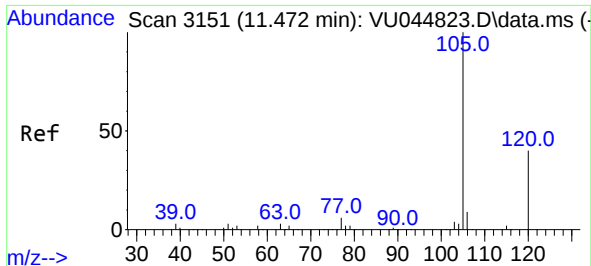
Tgt Ion:152 Resp: 136819
Ion Ratio Lower Upper
152 100
115 61.9 43.5 130.7
150 157.2 0.0 350.0



#80
1,3,5-Trimethylbenzene
Concen: 0.636 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion:105 Resp: 5228
Ion Ratio Lower Upper
105 100
120 47.6 24.1 72.2

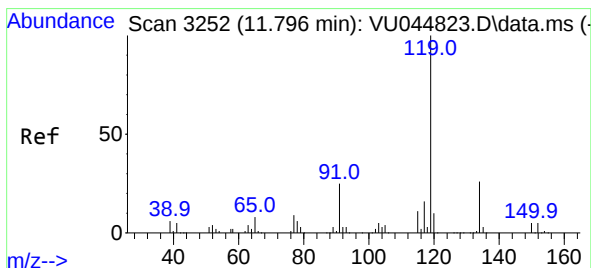
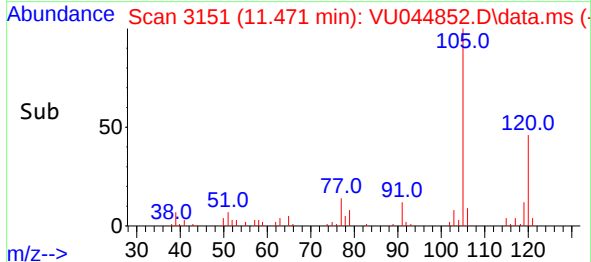
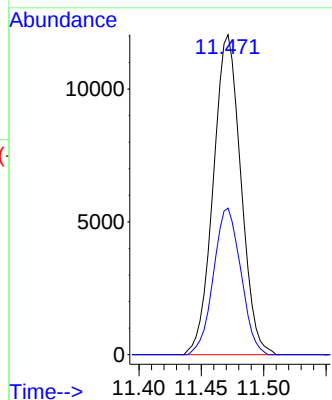
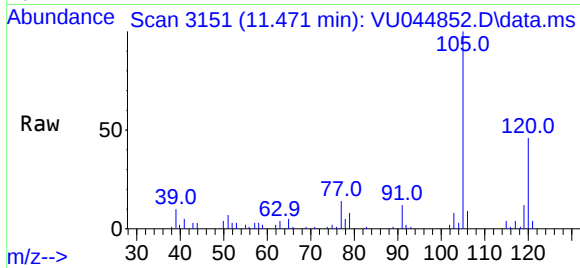




#84
1,2,4-Trimethylbenzene
Concen: 2.291 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

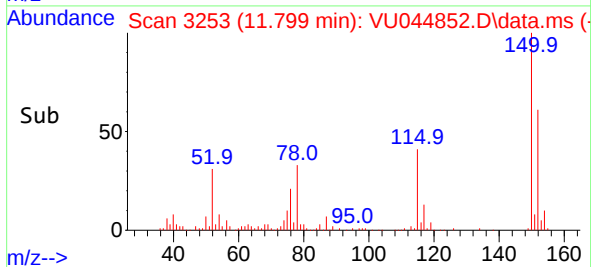
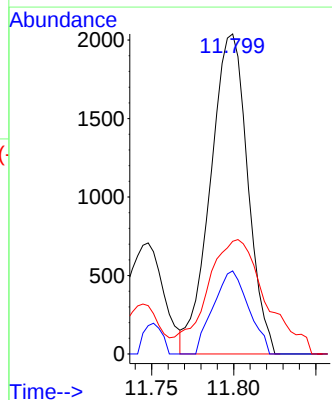
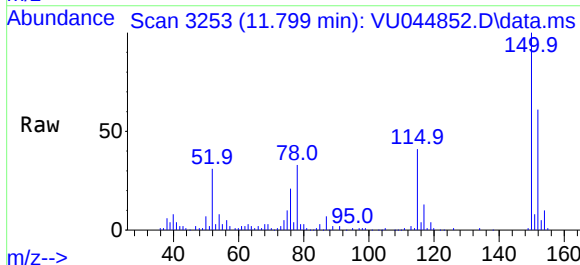
Instrument :
MSVOA_U
ClientSampleId :
210922099-02-VOA

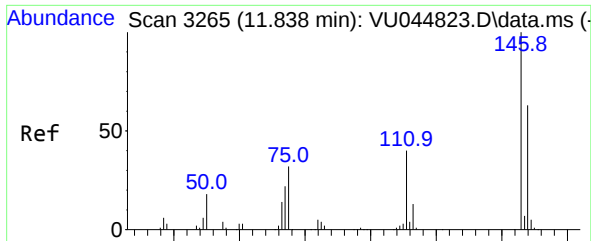
Tgt Ion:105 Resp: 18582
Ion Ratio Lower Upper
105 100
120 45.4 22.4 67.3



#86
p-Isopropyltoluene
Concen: 0.385 ug/l
RT: 11.799 min Scan# 3253
Delta R.T. 0.003 min
Lab File: VU044852.D
Acq: 25 Sep 2021 21:15

Tgt Ion:119 Resp: 3214
Ion Ratio Lower Upper
119 100
134 24.5 12.8 38.3
91 56.4 12.2 36.6#





#88
 1,4-Dichlorobenzene
 Concen: 3.189 ug/l
 RT: 11.838 min Scan# 3265
 Delta R.T. -0.000 min
 Lab File: VU044852.D
 Acq: 25 Sep 2021 21:15

Instrument :
 MSVOA_U
 ClientSampleId :
 210922099-02-VOA

Tgt Ion:	146	Resp:	14846
Ion	Ratio	Lower	Upper
146	100		
111	57.0	20.3	61.0
148	68.5	31.8	95.3

