

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044871.D
 Acq On : 26 Sep 2021 05:28
 Operator : SY/MD
 Sample : M3888-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

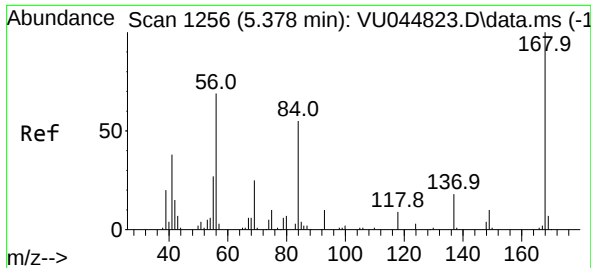
Instrument :
 MSVOA_U
 ClientSampleId :
 40454

Quant Time: Sep 27 03:17:23 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	213439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	378430	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	348296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	163470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	171457	46.028	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.060%	
35) Dibromofluoromethane	5.295	113	118264	45.555	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.100%	
50) Toluene-d8	7.902	98	478711	48.824	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.640%	
62) 4-Bromofluorobenzene	10.635	95	173900	47.752	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.500%	
Target Compounds					Qvalue	
5) Bromomethane	1.858	94	323	Below Cal		96
6) Chloroethane	1.726	64	2549	0.684 ug/l	#	42
11) Tert butyl alcohol	3.195	59	763	0.702 ug/l	#	72
16) Acetone	2.636	43	12389	5.896 ug/l		97
18) Methyl Acetate	2.960	43	4779	0.681 ug/l		99
25) 2-Butanone	4.719	43	2543	0.798 ug/l		97
31) Cyclohexane	5.378	56	5443	1.018 ug/l	#	1
36) 1,1-Dichloropropene	5.378	75	19628	4.888 ug/l	#	50
38) Carbon Tetrachloride	5.378	117	23151	6.449 ug/l	#	15
40) Benzene	5.780	78	3646	0.298 ug/l		94
43) Isopropyl Acetate	6.089	43	4732	0.574 ug/l	#	61
52) Toluene	7.973	92	3924	0.536 ug/l		99
68) m/p-Xylenes	9.696	106	2111	0.428 ug/l		96
69) o-Xylene	10.105	106	1504	0.315 ug/l		97
70) Styrene	10.118	104	1057	1.127 ug/l	#	81
76) 1,2,3-Trichloropropane	10.635	75	94264	19.043 ug/l	#	41
81) trans-1,4-Dichloro-2-b...	10.635	75	94264	61.688 ug/l	#	9
84) 1,2,4-Trimethylbenzene	11.475	105	2137	0.221 ug/l		79
89) n-Butylbenzene	12.214	91	44	1.280 ug/l	#	33
95) Naphthalene	14.089	128	73101	6.663 ug/l		99

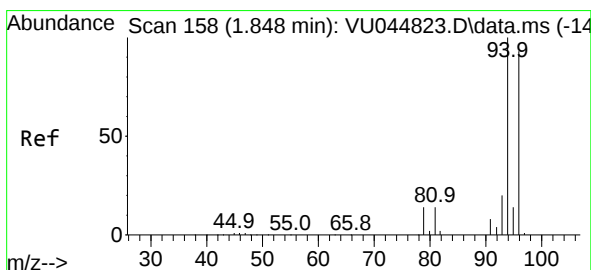
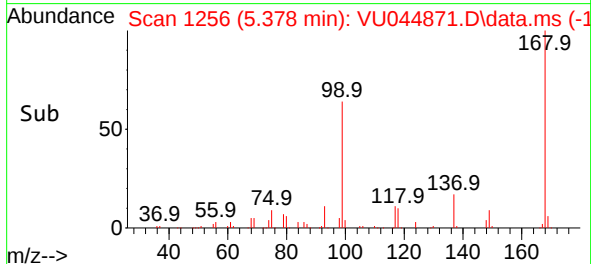
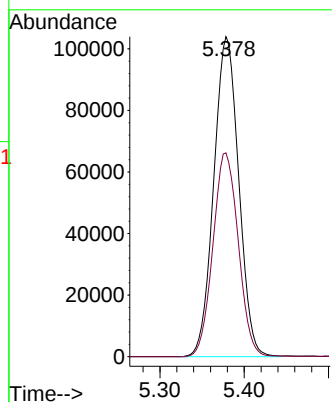
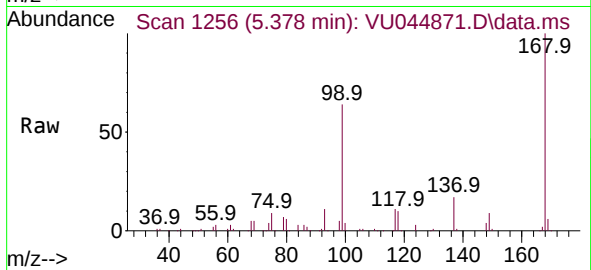
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

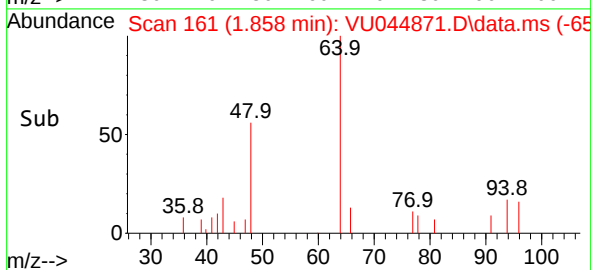
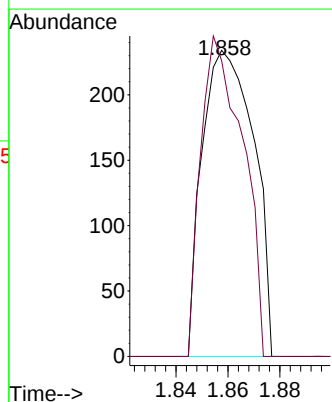
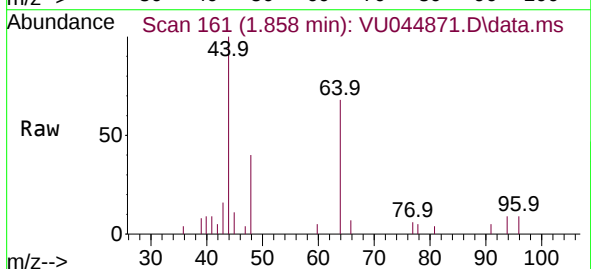
Instrument :
MSVOA_U
ClientSampleId :
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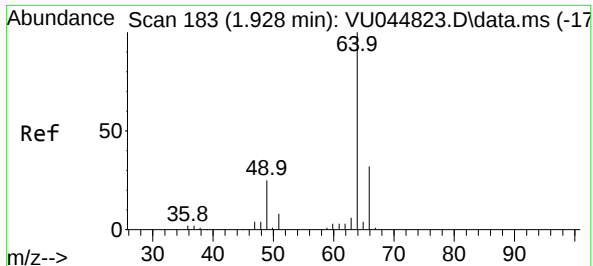
Tgt Ion:168 Resp: 213439
Ion Ratio Lower Upper
168 100
99 63.7 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.010 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion: 94 Resp: 323
Ion Ratio Lower Upper
94 100
96 96.6 74.5 111.7

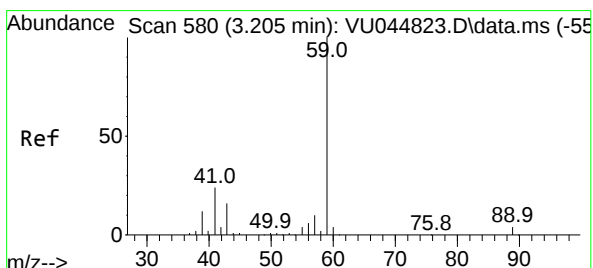
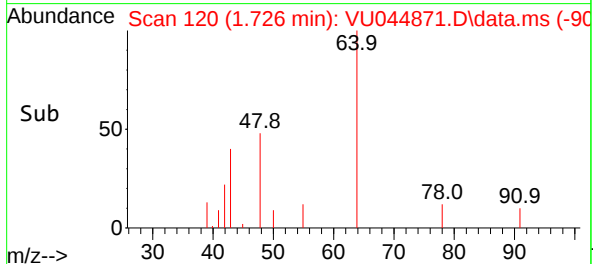
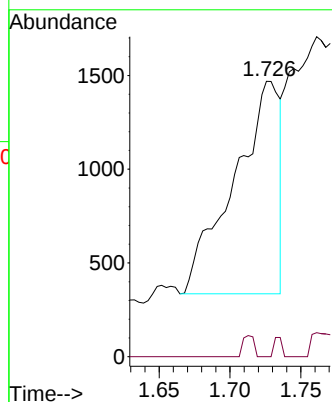
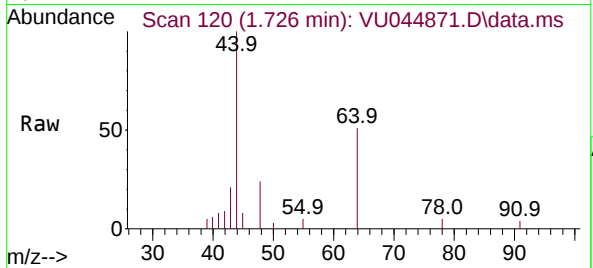




#6
Chloroethane
Concen: 0.684 ug/l
RT: 1.726 min Scan# 120
Delta R.T. -0.202 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

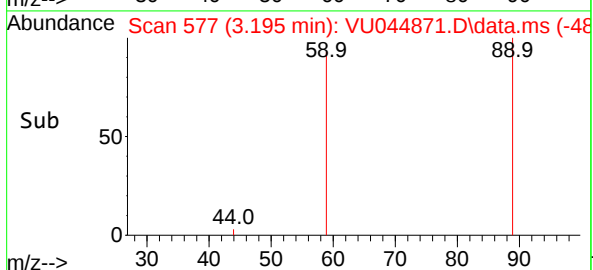
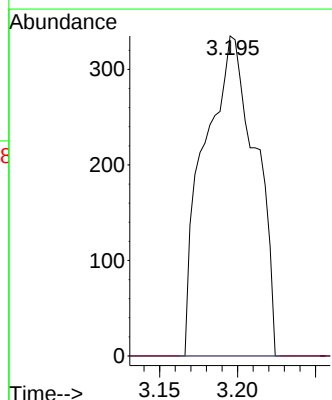
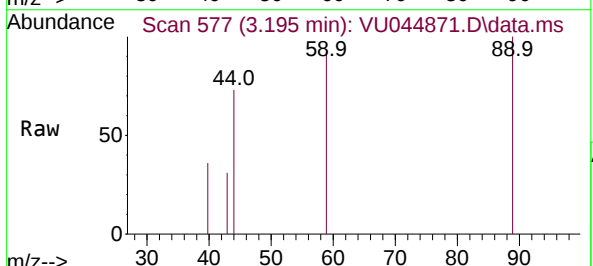
Instrument :
MSVOA_U
ClientSampled :
40454

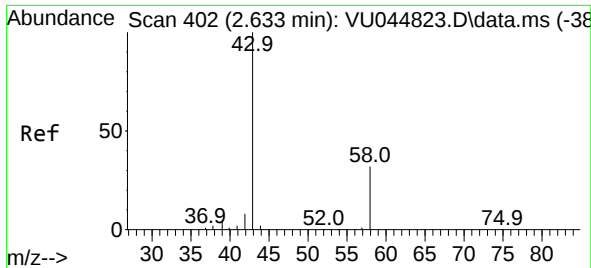
Tgt Ion: 64 Resp: 2549
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 0.702 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.010 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion: 59 Resp: 763
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

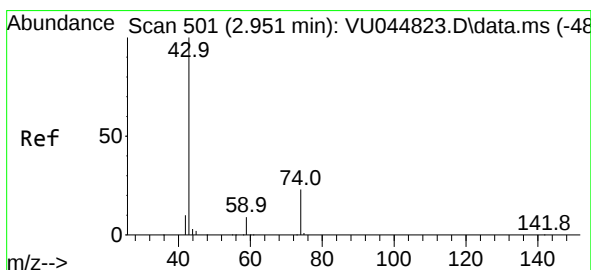
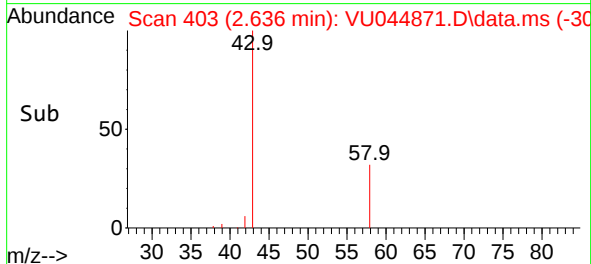
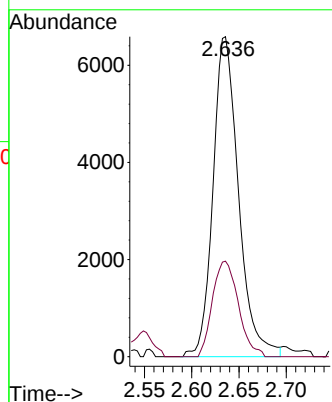
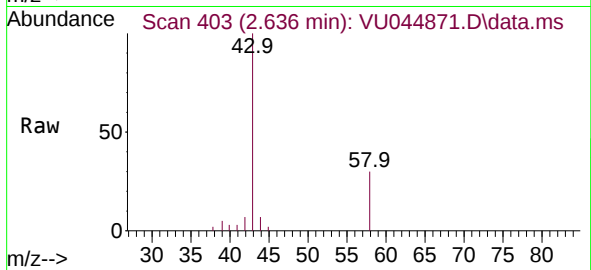




#16
Acetone
Concen: 5.896 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

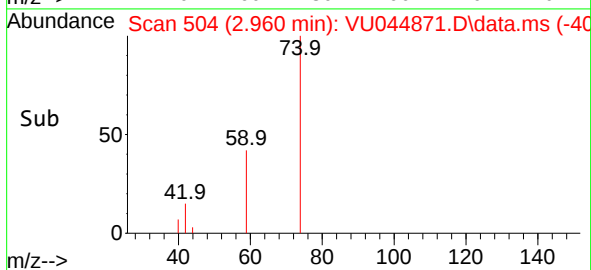
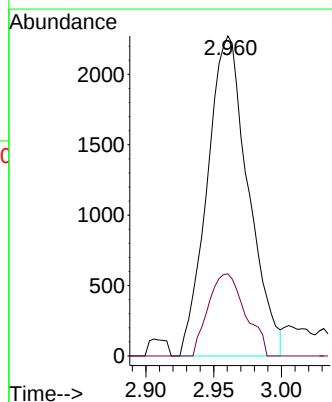
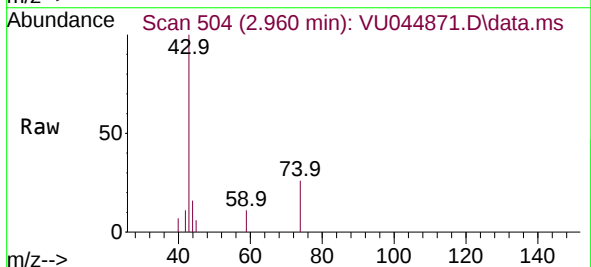
Instrument :
MSVOA_U
ClientSampleId :
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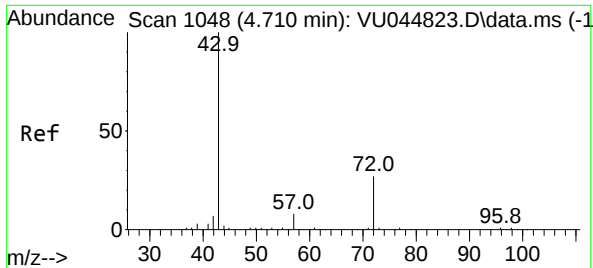
Tgt Ion: 43 Resp: 12389
Ion Ratio Lower Upper
43 100
58 29.9 25.2 37.8



#18
Methyl Acetate
Concen: 0.681 ug/l
RT: 2.960 min Scan# 504
Delta R.T. 0.009 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion: 43 Resp: 4779
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.6

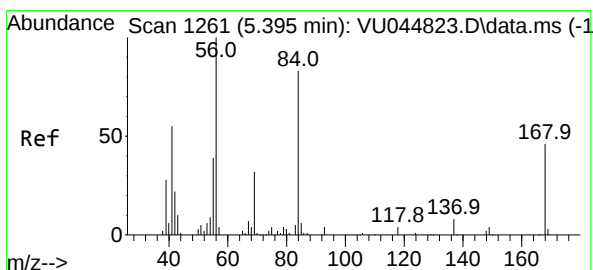
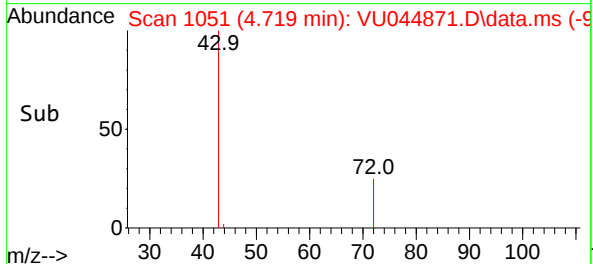
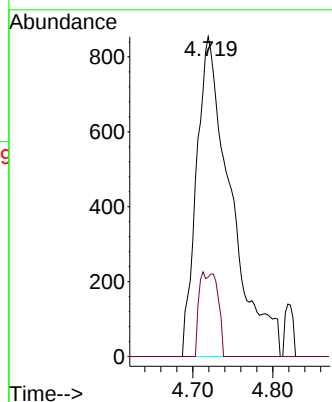
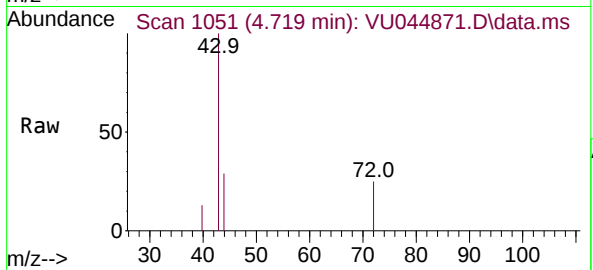




#25
2-Butanone
Concen: 0.798 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.010 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

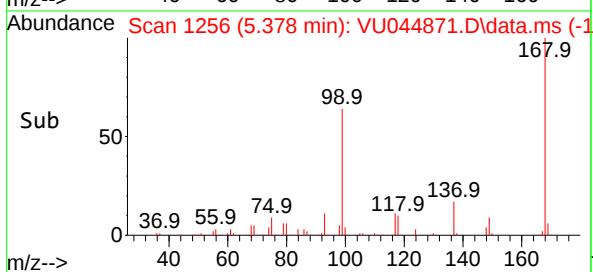
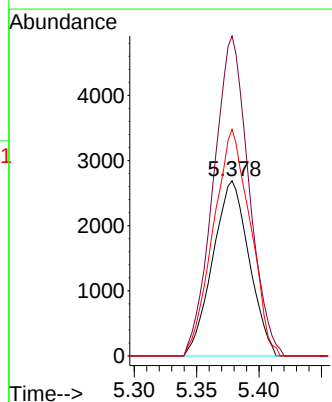
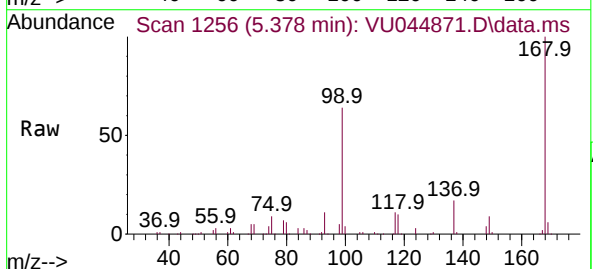
Instrument :
MSVOA_U
ClientSampled :
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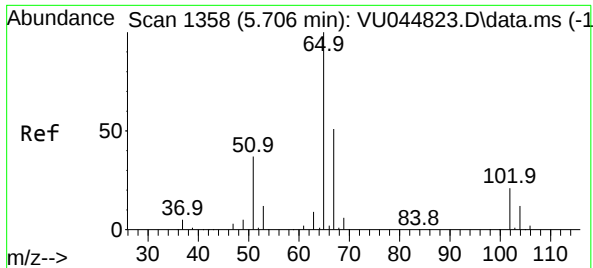
Tgt Ion: 43 Resp: 2543
Ion Ratio Lower Upper
43 100
72 24.8 21.3 31.9



#31
Cyclohexane
Concen: 1.018 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion: 56 Resp: 5443
Ion Ratio Lower Upper
56 100
69 182.6 25.2 37.8#
84 129.4 66.4 99.6#

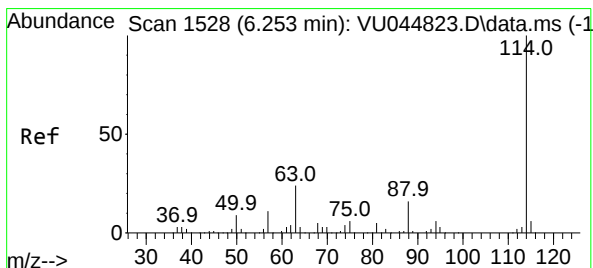
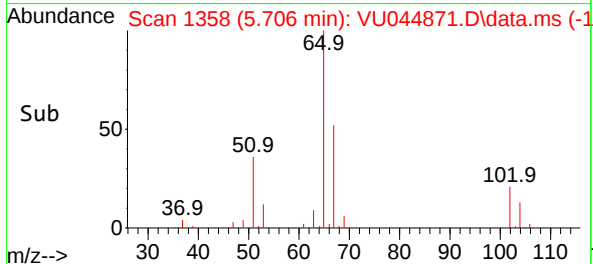
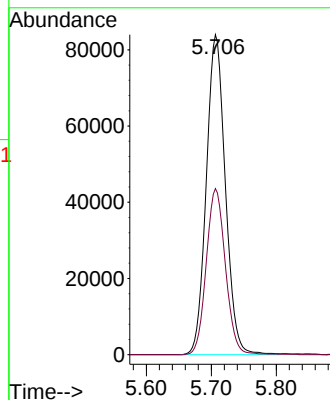
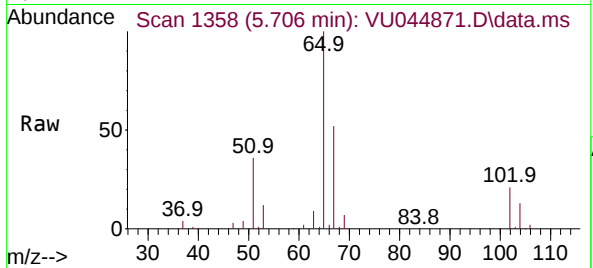




#33
1,2-Dichloroethane-d4
Concen: 46.028 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

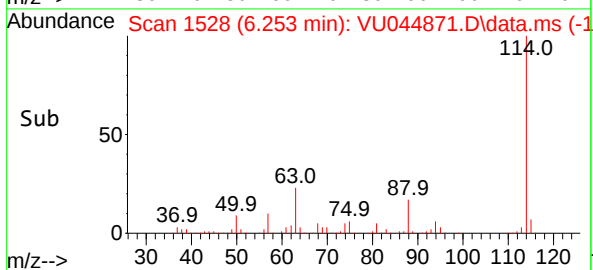
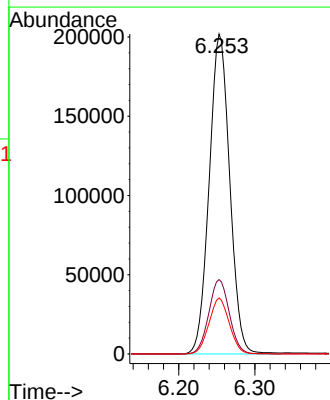
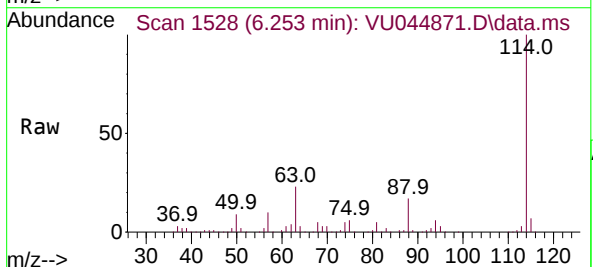
Instrument :
MSVOA_U
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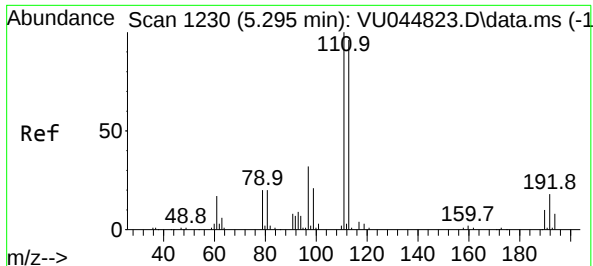
Tgt Ion: 65 Resp: 171457
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion: 114 Resp: 378430
Ion Ratio Lower Upper
114 100
63 23.2 0.0 47.8
88 17.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.555 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VU044871.D

Acq: 26 Sep 2021 05:28

Instrument :

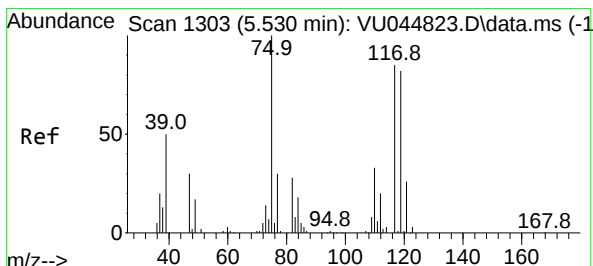
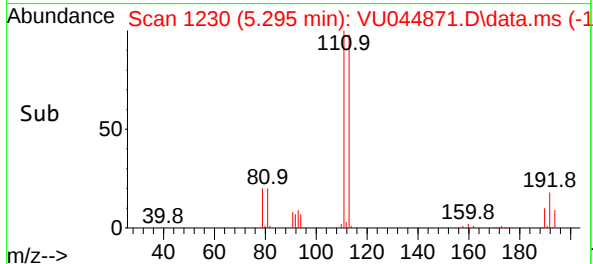
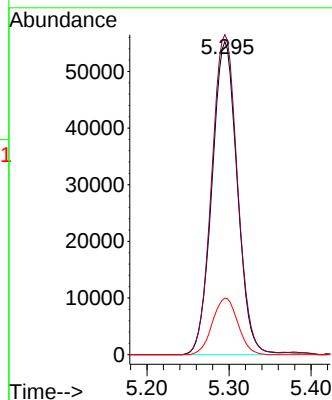
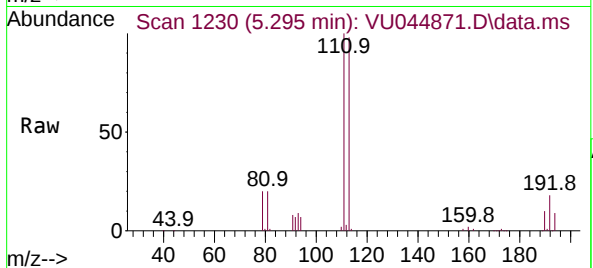
MSVOA_U

ClientSampleId :

40454

Tgt Ion:113 Resp: 118264

Ion	Ratio	Lower	Upper
113	100		
111	104.0	84.1	126.1
192	18.2	14.8	22.2



#36

1,1-Dichloropropene

Concen: 4.888 ug/l

RT: 5.378 min Scan# 1256

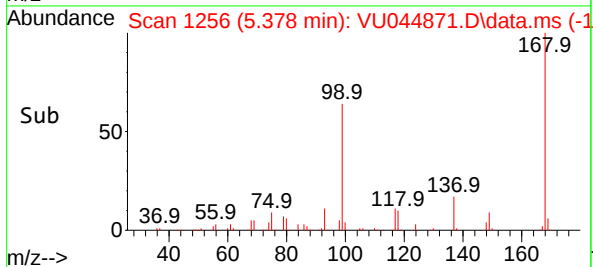
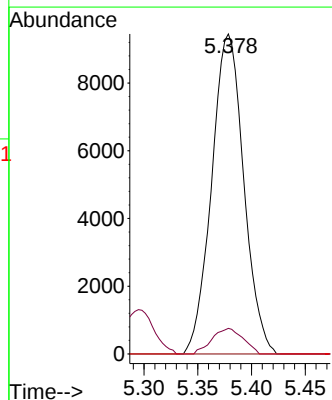
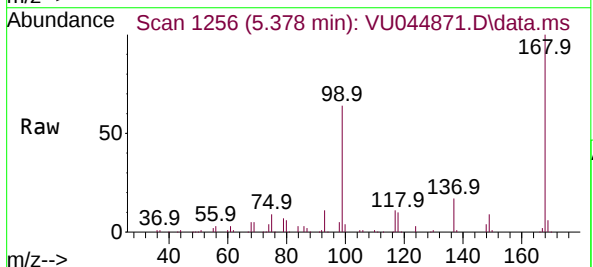
Delta R.T. -0.151 min

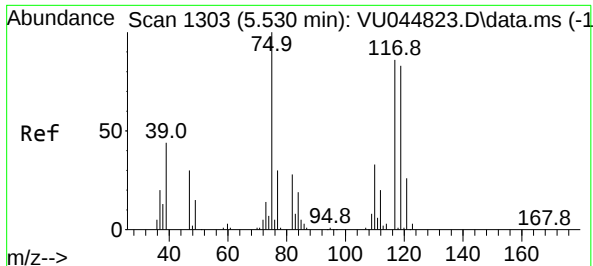
Lab File: VU044871.D

Acq: 26 Sep 2021 05:28

Tgt Ion: 75 Resp: 19628

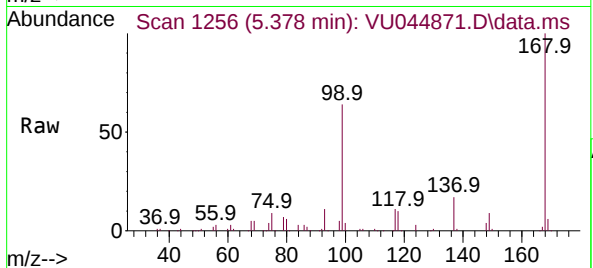
Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.3	48.9#
77	0.0	25.0	37.4#



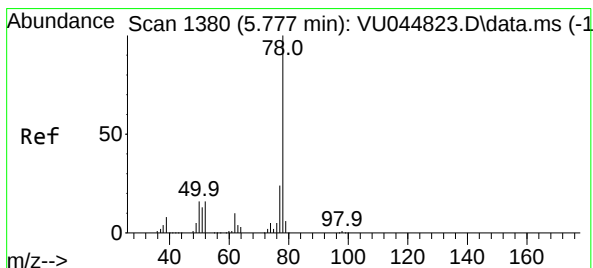
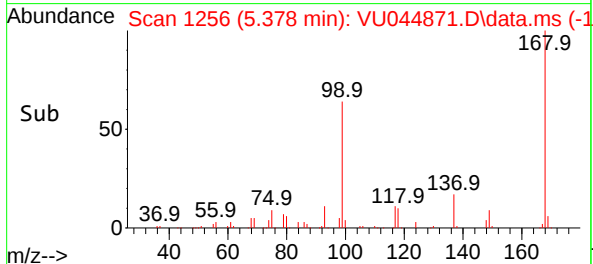
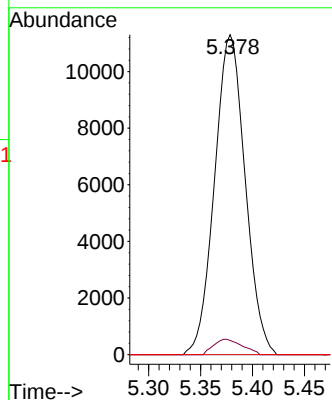


#38
Carbon Tetrachloride
Concen: 6.449 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Instrument :
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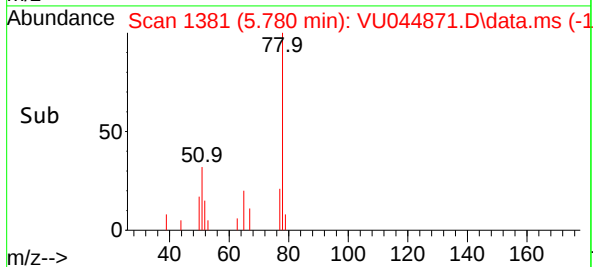
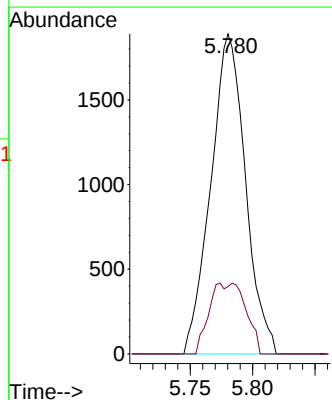
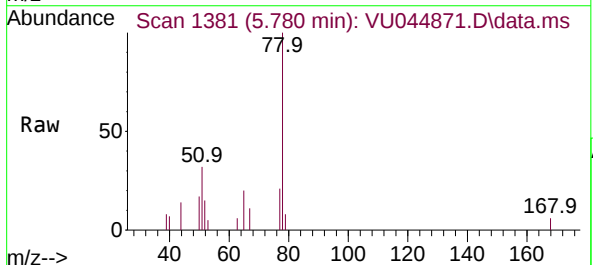


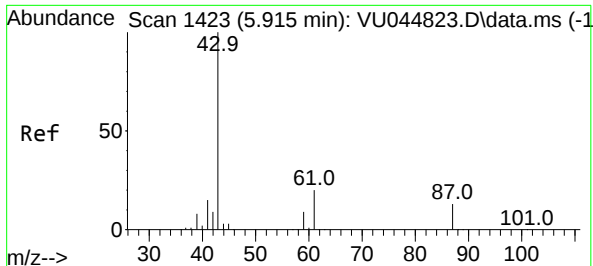
Tgt Ion:117 Resp: 23151
Ion Ratio Lower Upper
117 100
119 4.5 77.4 116.2#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 0.298 ug/l
RT: 5.780 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion: 78 Resp: 3646
Ion Ratio Lower Upper
78 100
77 21.0 19.1 28.7





#43

Isopropyl Acetate

Concen: 0.574 ug/l

RT: 6.089 min Scan# 1477

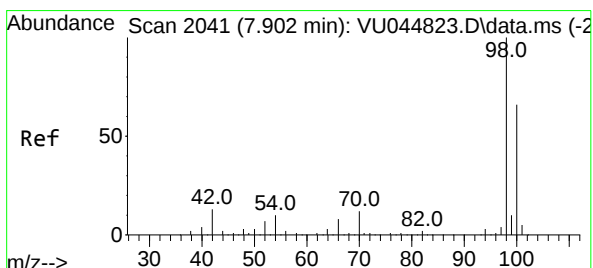
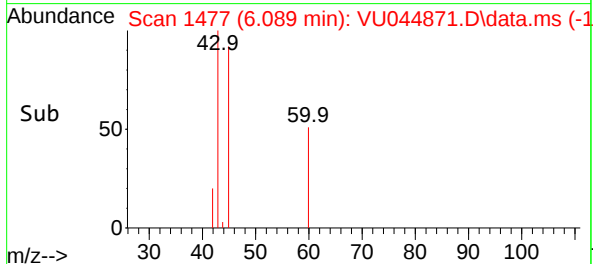
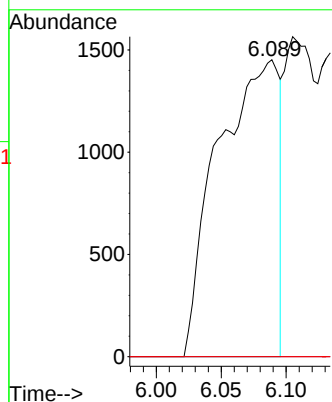
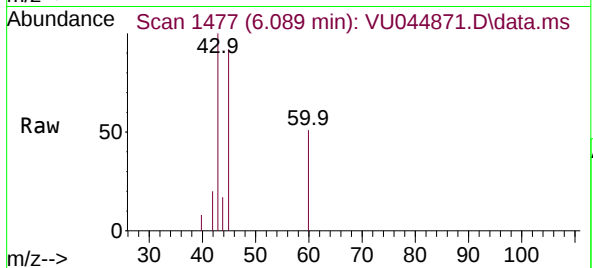
Delta R.T. 0.173 min

Lab File: VU044871.D

Acq: 26 Sep 2021 05:28

Tgt Ion:	43	Resp:	4732
Ion	Ratio	Lower	Upper
43	100		
61	0.0	16.1	24.1#
87	0.0	10.3	15.5#

Instrument :
MSVOA_U
ClientSampled :
40454



#50

Toluene-d8

Concen: 48.824 ug/l

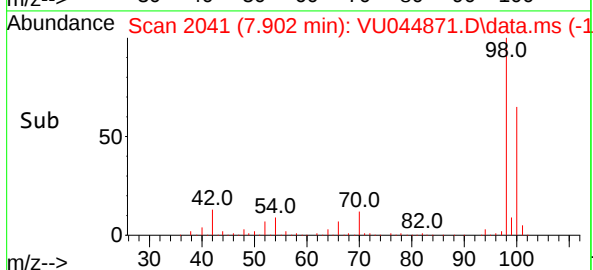
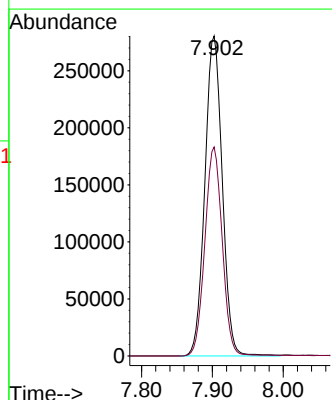
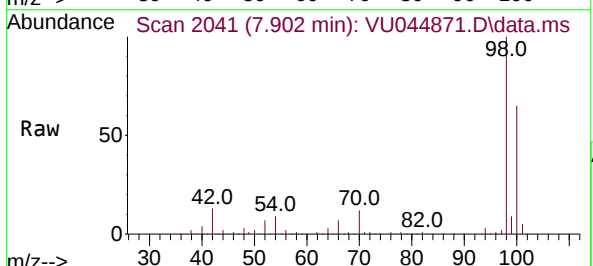
RT: 7.902 min Scan# 2041

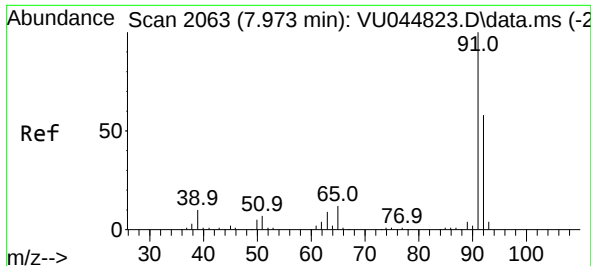
Delta R.T. -0.000 min

Lab File: VU044871.D

Acq: 26 Sep 2021 05:28

Tgt Ion:	98	Resp:	478711
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.5	78.7

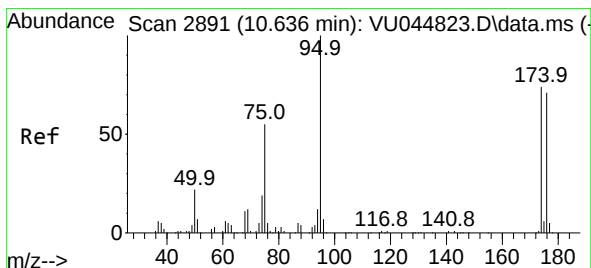
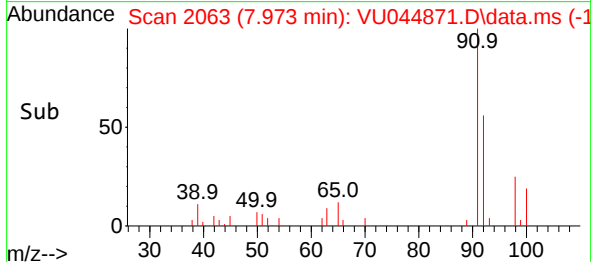
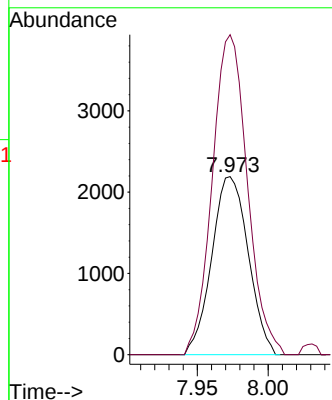
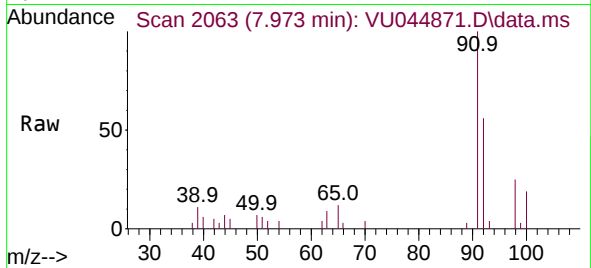




#52
Toluene
Concen: 0.536 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

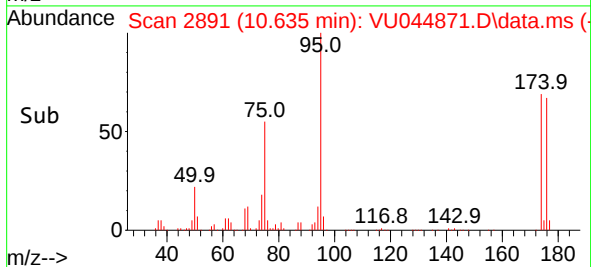
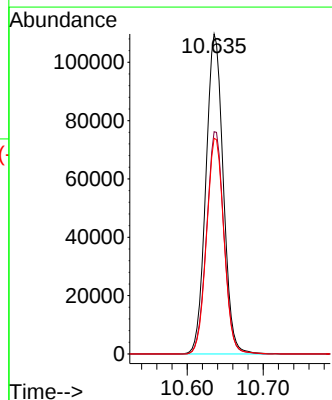
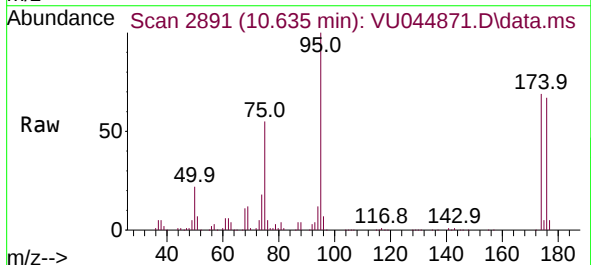
Instrument :
MSVOA_U
ClientSampleId :
40454

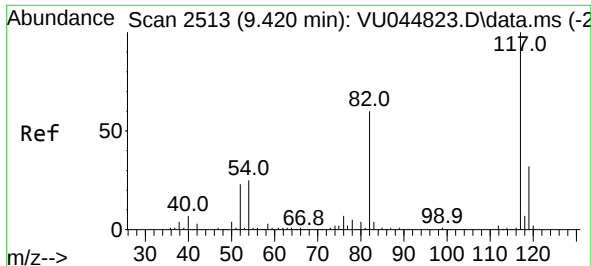
Tgt Ion: 92 Resp: 3924
Ion Ratio Lower Upper
92 100
91 172.7 136.9 205.3



#62
4-Bromofluorobenzene
Concen: 47.752 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion: 95 Resp: 173900
Ion Ratio Lower Upper
95 100
174 69.5 0.0 146.6
176 67.5 0.0 141.2

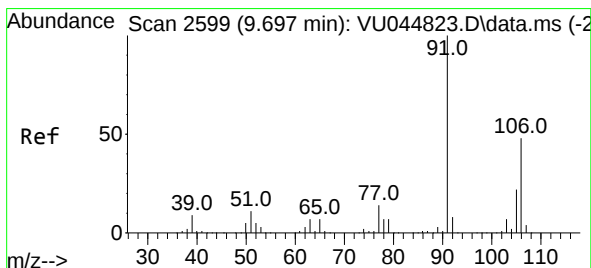
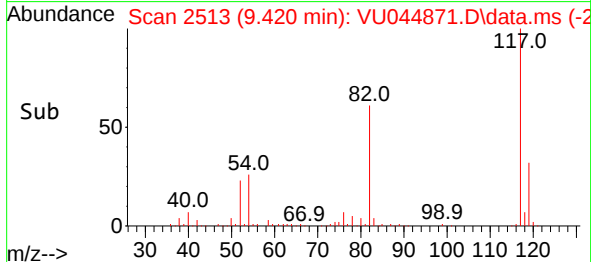
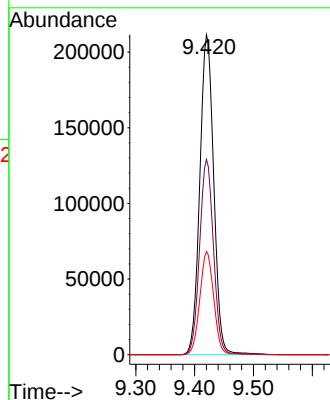
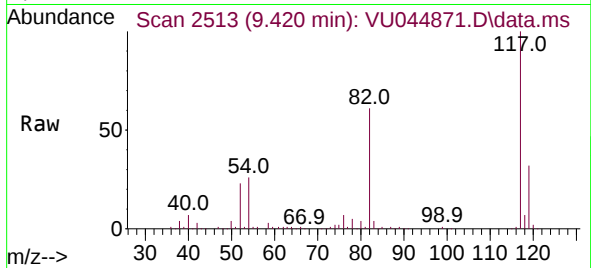




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

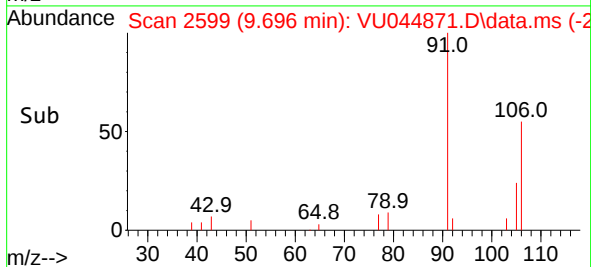
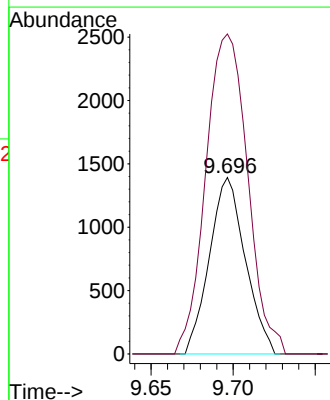
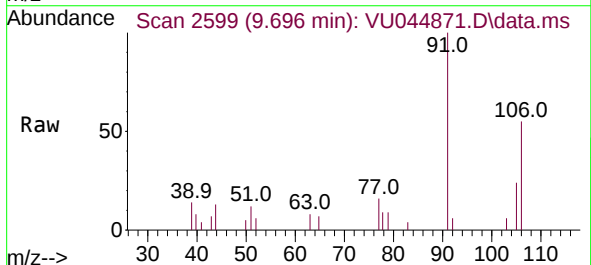
Instrument :
MSVOA_U
ClientSampleId :
40454

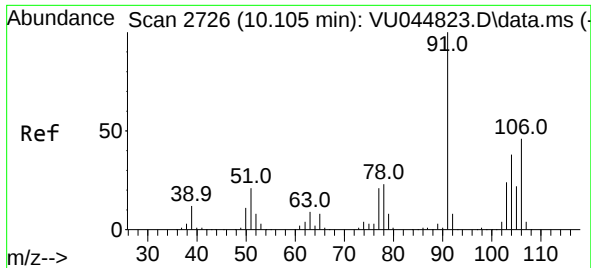
Tgt Ion:117 Resp: 348296
Ion Ratio Lower Upper
117 100
82 61.0 47.8 71.8
119 32.3 25.8 38.6



#68
m/p-Xylenes
Concen: 0.428 ug/l
RT: 9.696 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion:106 Resp: 2111
Ion Ratio Lower Upper
106 100
91 211.6 164.2 246.2

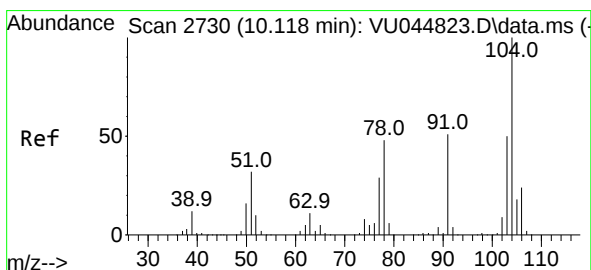
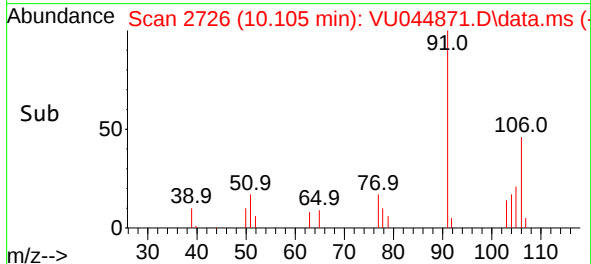
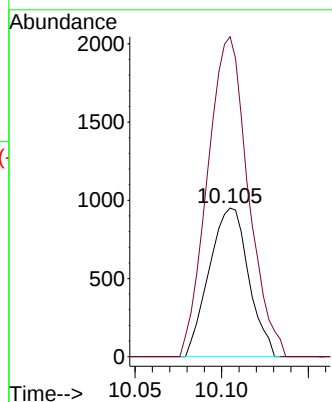
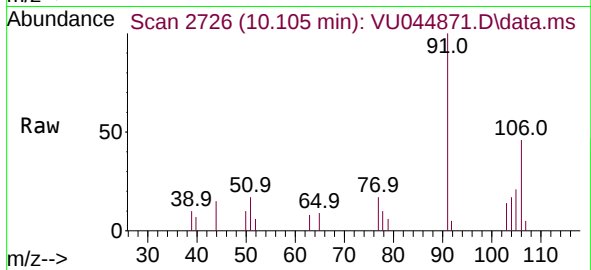




#69
o-Xylene
Concen: 0.315 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

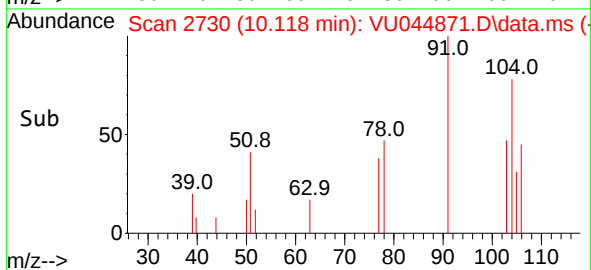
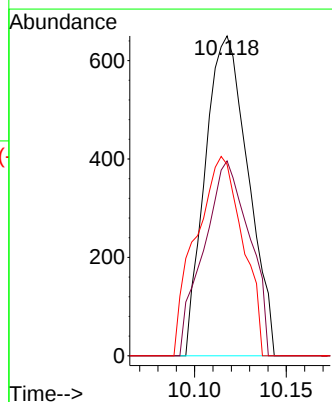
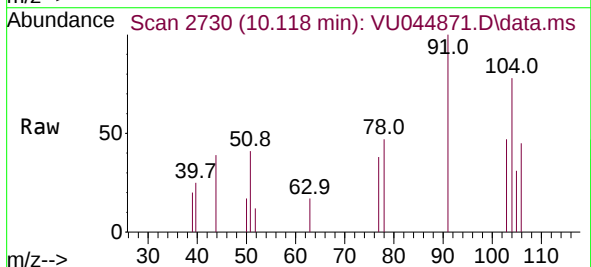
Instrument :
MSVOA_U
ClientSampleId :
40454

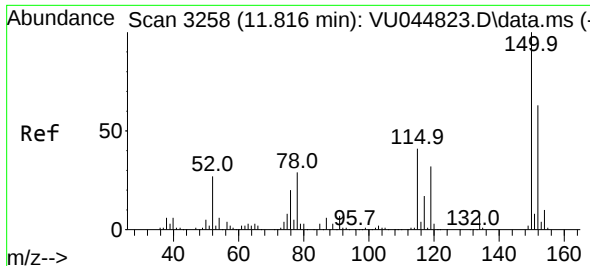
Tgt Ion:106 Resp: 1504
Ion Ratio Lower Upper
106 100
91 222.0 108.9 326.7



#70
Styrene
Concen: 1.127 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion:104 Resp: 1057
Ion Ratio Lower Upper
104 100
78 64.6 41.4 62.0#
103 67.9 43.5 65.3#

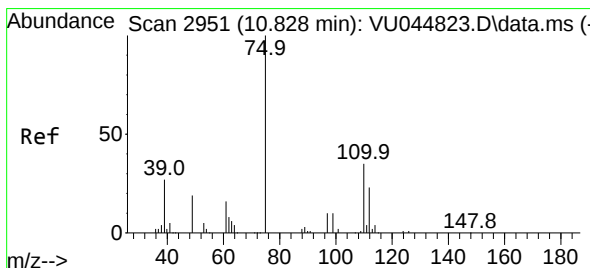
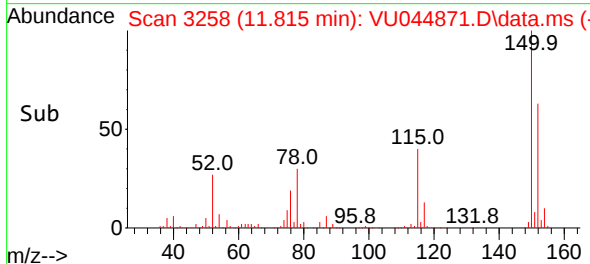
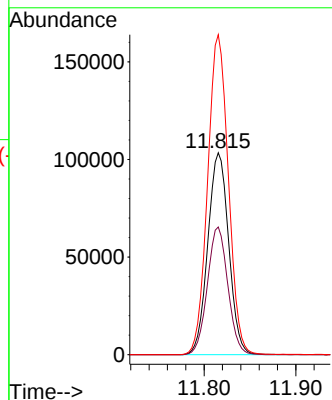
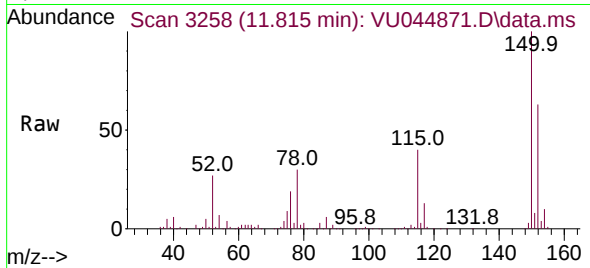




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. -0.000 min
 Lab File: VU044871.D
 Acq: 26 Sep 2021 05:28

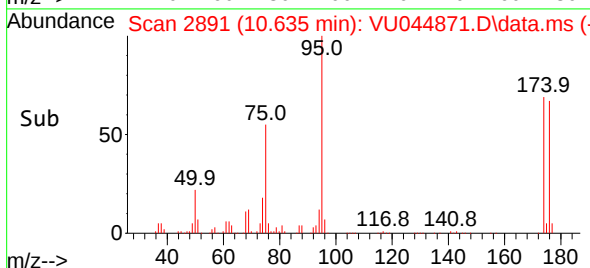
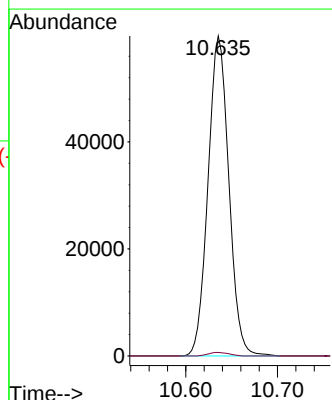
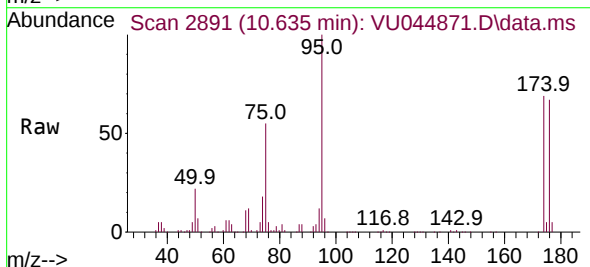
Instrument :
 MSVOA_U
 ClientSampleId :
 40454

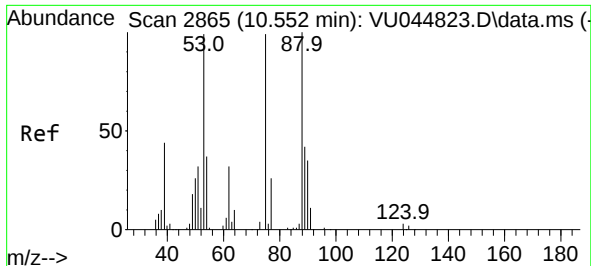
Tgt Ion:152 Resp: 163470
 Ion Ratio Lower Upper
 152 100
 115 61.9 43.5 130.7
 150 157.1 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.043 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044871.D
 Acq: 26 Sep 2021 05:28

Tgt Ion: 75 Resp: 94264
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#

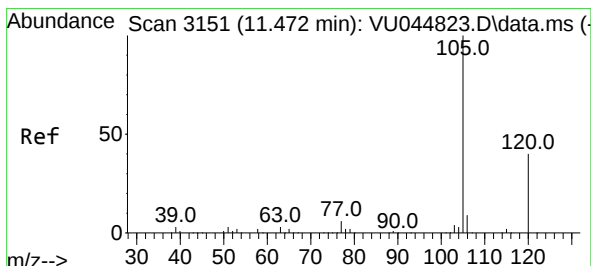
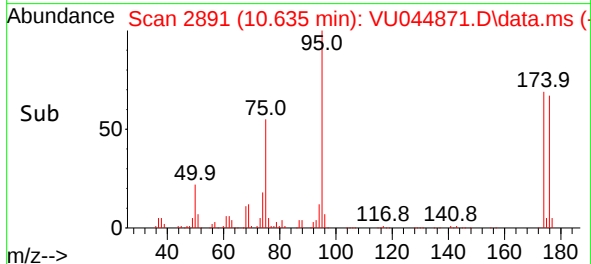
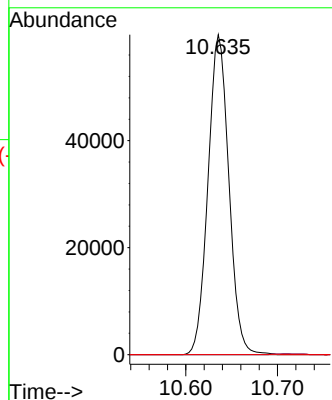
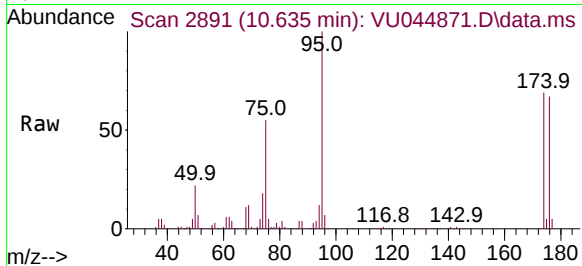




#81
trans-1,4-Dichloro-2-butene
Concen: 61.688 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

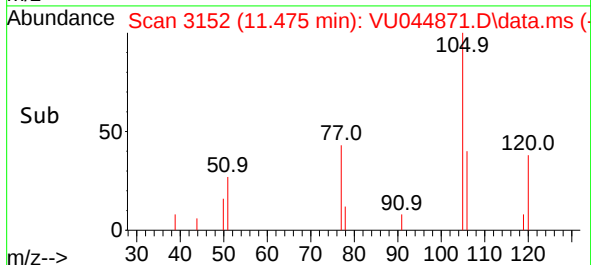
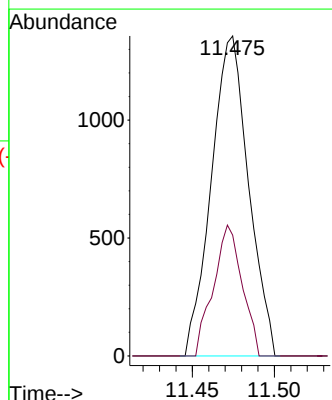
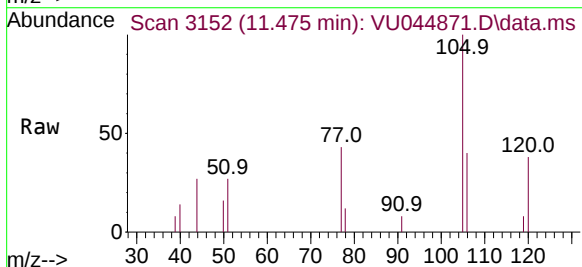
Instrument :
MSVOA_U
ClientSampleId :
40454

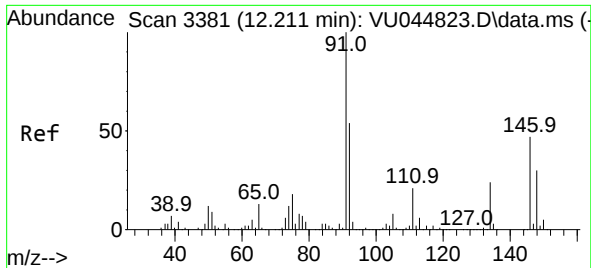
Tgt Ion: 75 Resp: 94264
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.221 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion: 105 Resp: 2137
Ion Ratio Lower Upper
105 100
120 31.5 22.4 67.3

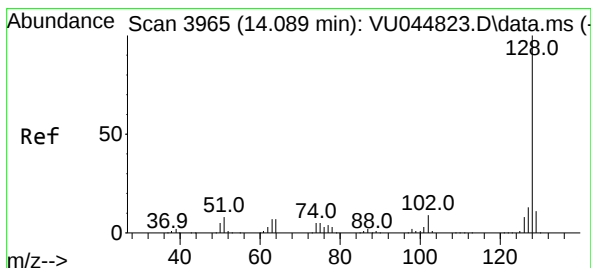
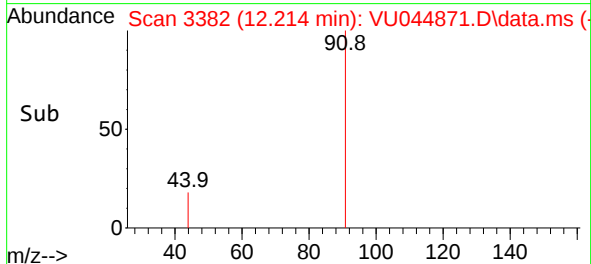
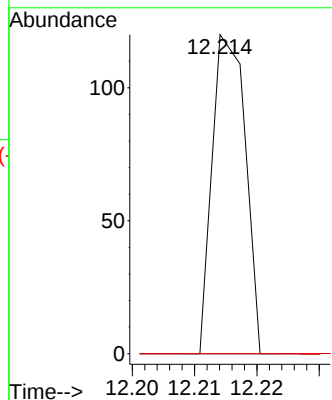
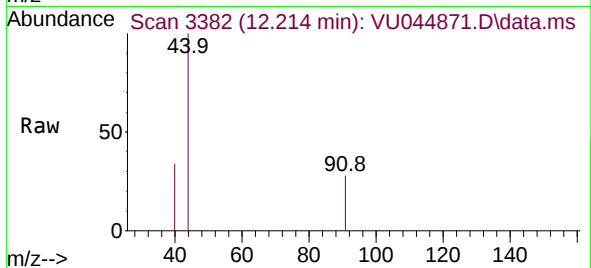




#89
n-Butylbenzene
Concen: 1.280 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Instrument :
MSVOA_U
ClientSampleId :
40454

Tgt Ion: 91	Resp:	44
Ion Ratio	Lower	Upper
91	100	
92	0.0	26.8
134	0.0	11.8



#95
Naphthalene
Concen: 6.663 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU044871.D
Acq: 26 Sep 2021 05:28

Tgt Ion: 128	Resp:	73101
Ion Ratio	Lower	Upper
128	100	
127	12.8	10.4
129	11.0	8.6

