

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044873.D
 Acq On : 26 Sep 2021 06:15
 Operator : SY/MD
 Sample : M3888-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 40456

Quant Time: Sep 27 03:17:59 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)

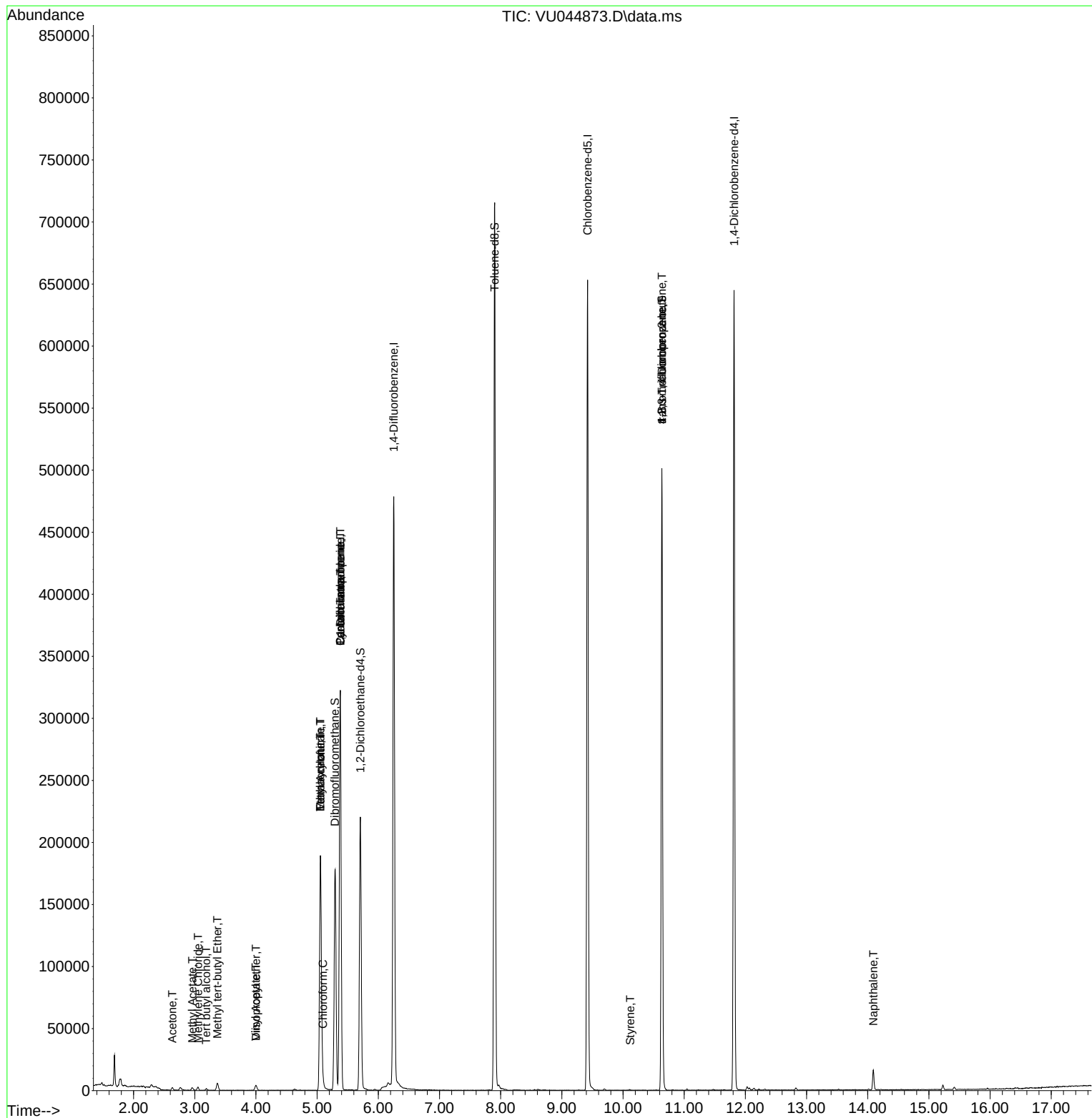
Internal Standards						
1) Pentafluorobenzene	5.379	168	208609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	364455	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	336549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	154475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	166378	45.698	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.400%	
35) Dibromofluoromethane	5.292	113	115252	46.097	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.200%	
50) Toluene-d8	7.903	98	462231	48.951	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.900%	
62) 4-Bromofluorobenzene	10.636	95	165482	47.183	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.858	94	303	Below Cal		90
6) Chloroethane	1.925	64	79	Below Cal	#	42
11) Tert butyl alcohol	3.189	59	938	0.883	ug/l #	72
16) Acetone	2.633	43	2437	1.187	ug/l	98
18) Methyl Acetate	2.961	43	2995	0.437	ug/l	92
19) Methyl tert-butyl Ether	3.369	73	6041	0.644	ug/l	98
20) Methylene Chloride	3.054	84	1205	0.362	ug/l	93
22) Diisopropyl ether	4.002	45	4227	0.439	ug/l #	72
23) Vinyl Acetate	3.999	43	2156	0.273	ug/l #	72
29) Tetrahydrofuran	5.054	42	127360	64.968	ug/l	98
30) Chloroform	5.096	83	2884	0.513	ug/l	92
31) Cyclohexane	5.379	56	5582	1.068	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	19561	5.059	ug/l #	50
37) Ethyl Acetate	5.054	43	27833	4.905	ug/l #	78
38) Carbon Tetrachloride	5.379	117	22080	6.387	ug/l #	16
41) Methacrylonitrile	5.054	41	73598	25.987	ug/l #	46
70) Styrene	10.118	104	170	1.030	ug/l #	25
76) 1,2,3-Trichloropropane	10.636	75	90250	19.294	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	90250	62.500	ug/l #	9
95) Naphthalene	14.092	128	12913	2.012	ug/l	99

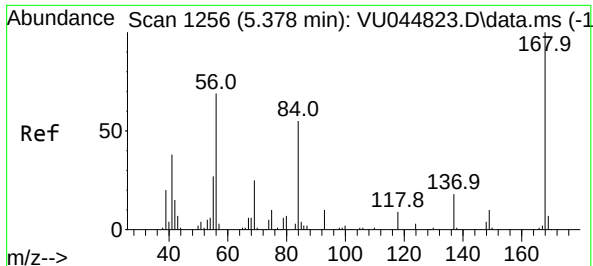
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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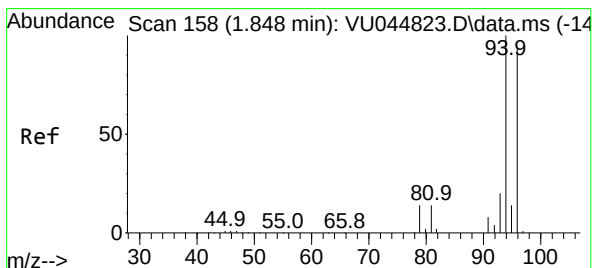
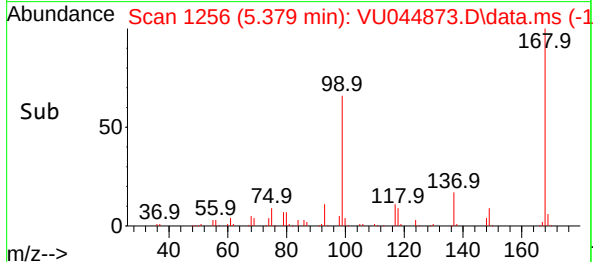
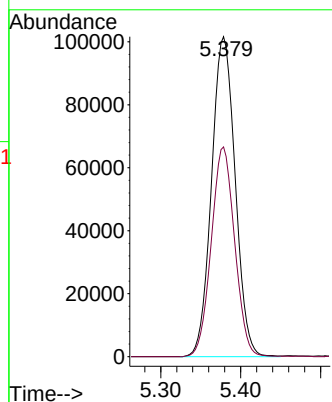
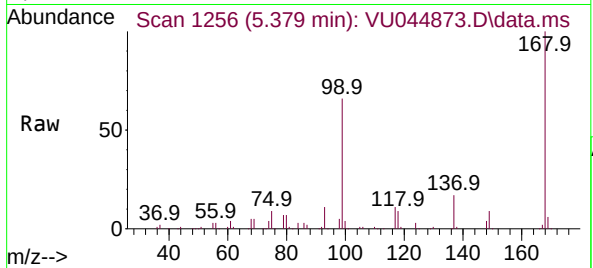




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.001 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

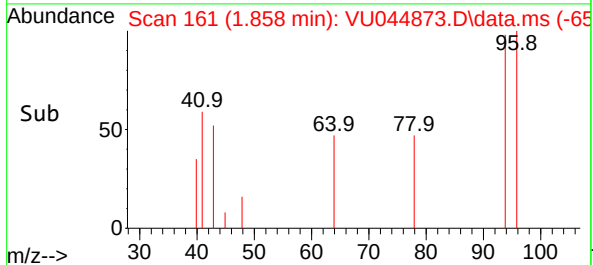
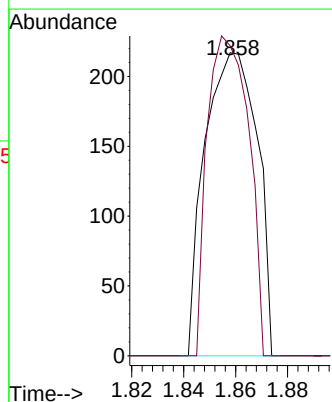
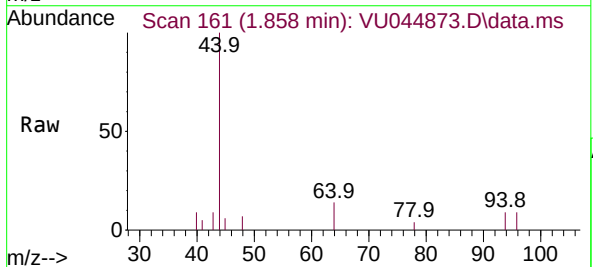
Instrument :
MSVOA_U
ClientSampleId :
40456

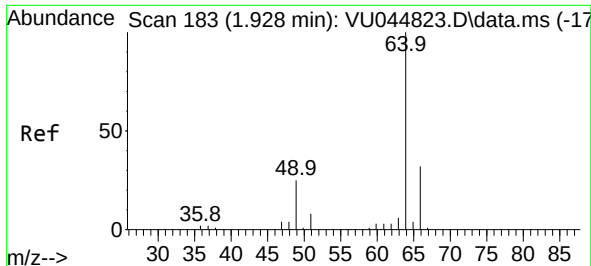
Tgt Ion:168 Resp: 208609
Ion Ratio Lower Upper
168 100
99 65.6 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.010 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Tgt Ion: 94 Resp: 303
Ion Ratio Lower Upper
94 100
96 102.3 74.5 111.7

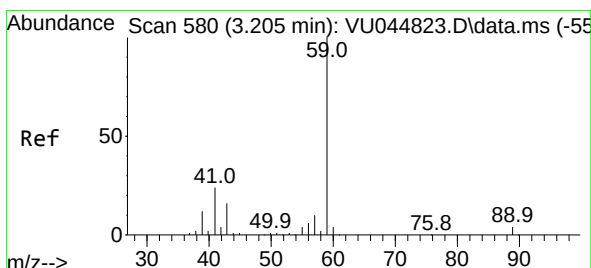
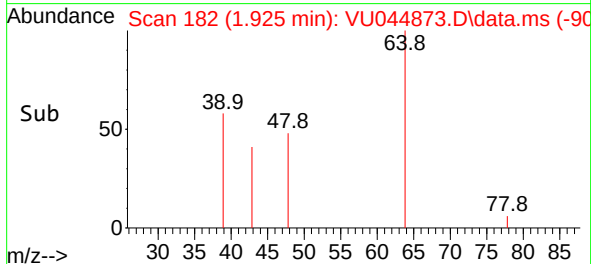
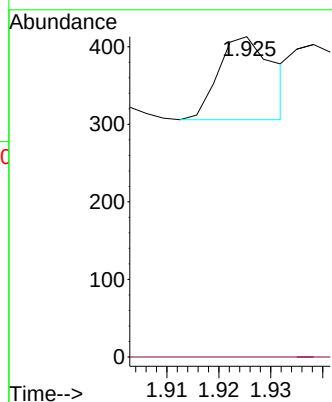
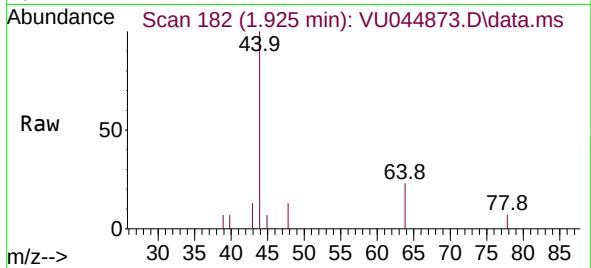




#6
Chloroethane
Concen: Below Cal
RT: 1.925 min Scan# 182
Delta R.T. -0.003 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

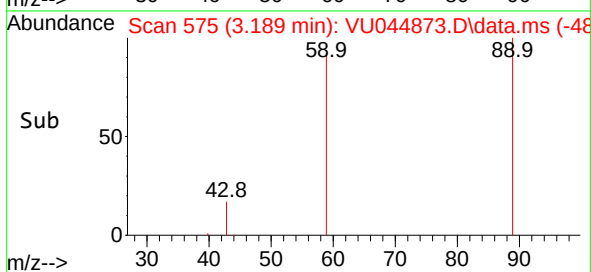
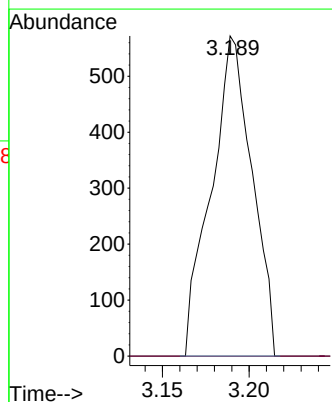
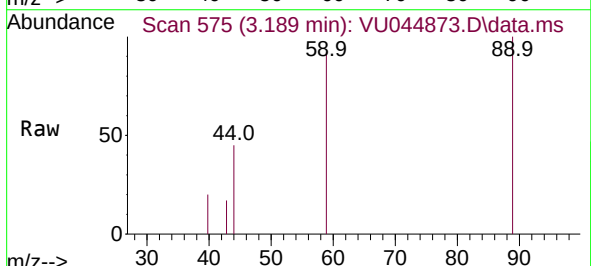
Instrument :
MSVOA_U
ClientSampled :
40456

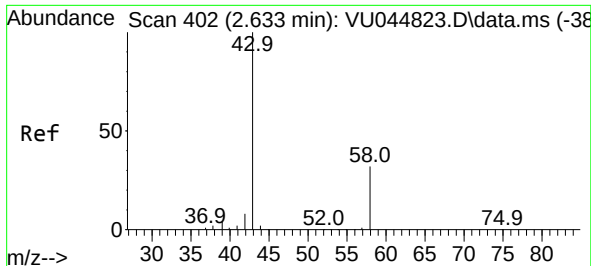
Tgt Ion: 64 Resp: 79
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 0.883 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.016 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Tgt Ion: 59 Resp: 938
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

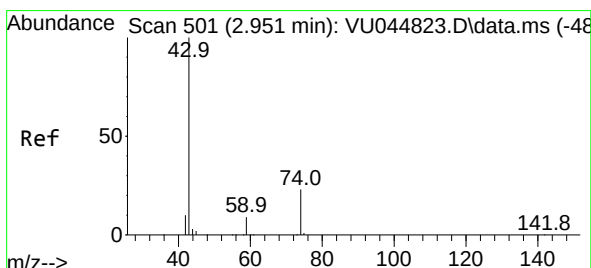
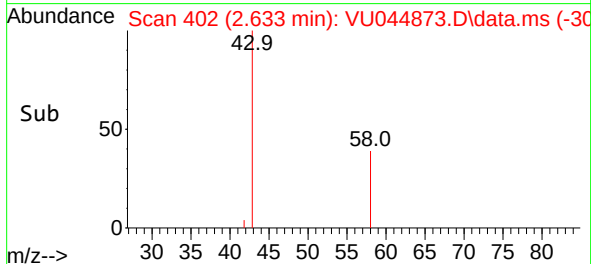
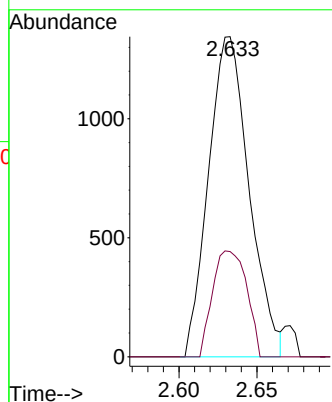
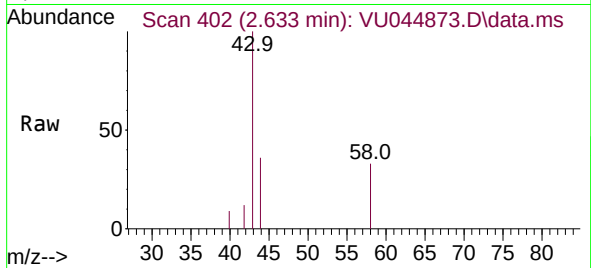




#16
Acetone
Concen: 1.187 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.000 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

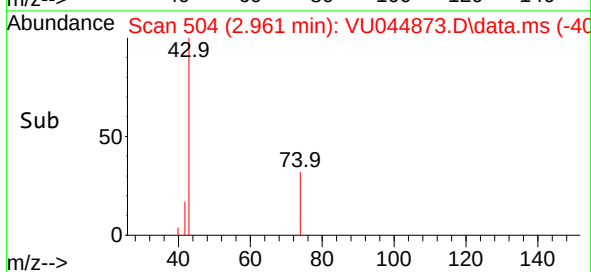
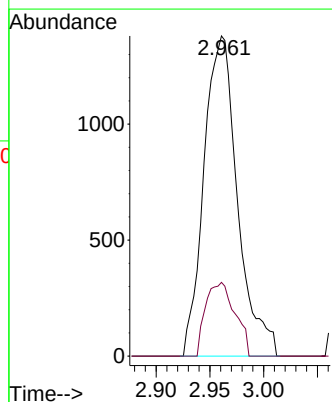
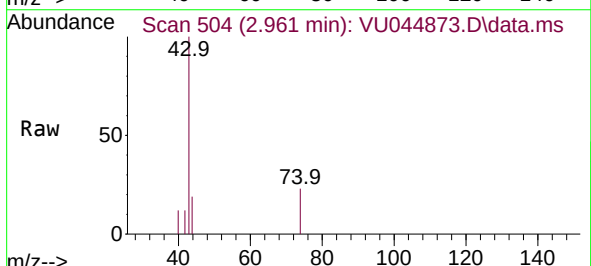
Instrument :
MSVOA_U
ClientSampled :
40456

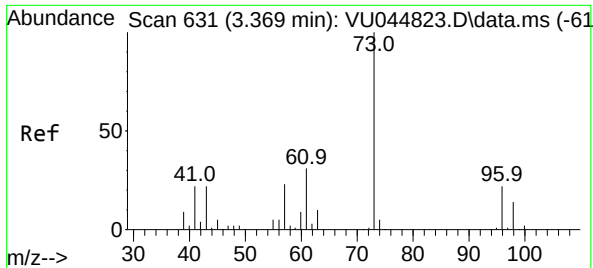
Tgt Ion: 43 Resp: 2437
Ion Ratio Lower Upper
43 100
58 32.9 25.2 37.8



#18
Methyl Acetate
Concen: 0.437 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.010 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Tgt Ion: 43 Resp: 2995
Ion Ratio Lower Upper
43 100
74 20.1 19.0 28.6



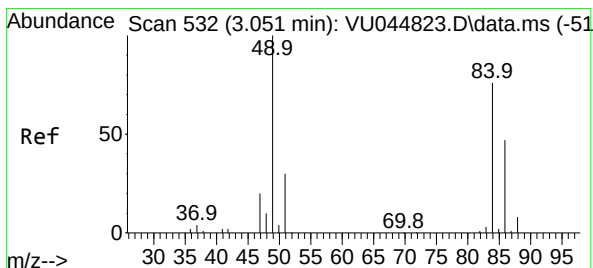
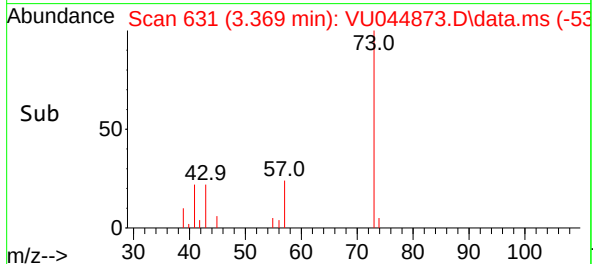
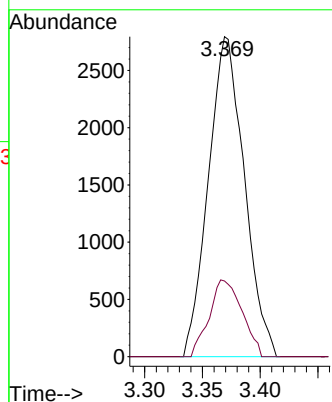
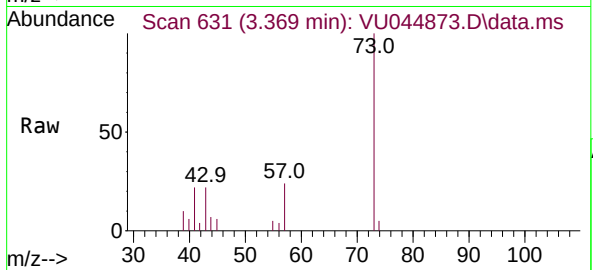


#19

Methyl tert-butyl Ether
Concen: 0.644 ug/l
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Instrument :
MSVOA_U
ClientSampled :
40456

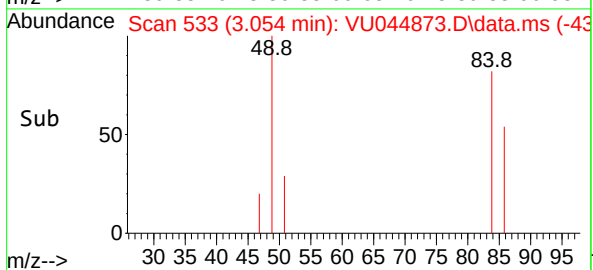
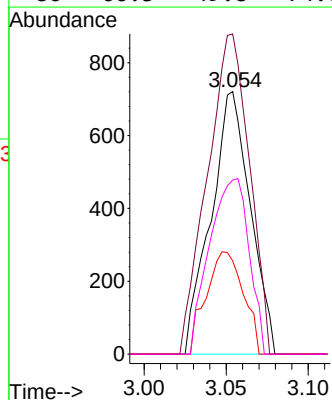
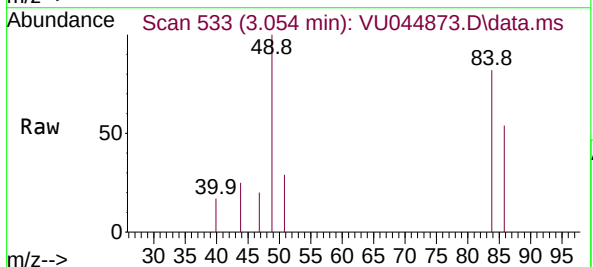
Tgt Ion: 73 Resp: 6041
Ion Ratio Lower Upper
73 100
57 23.6 18.2 27.2

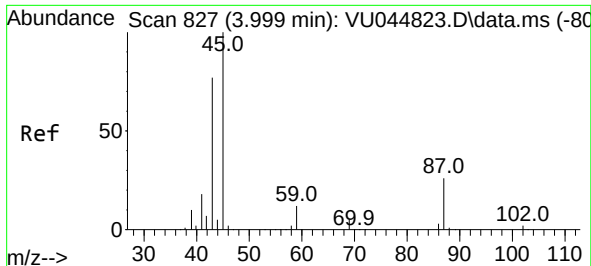


#20

Methylene Chloride
Concen: 0.362 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Tgt Ion: 84 Resp: 1205
Ion Ratio Lower Upper
84 100
49 121.9 104.9 157.3
51 35.5 31.8 47.8
86 66.3 49.8 74.6





#22

Diisopropyl ether

Concen: 0.439 ug/l

RT: 4.002 min Scan# 828

Delta R.T. 0.003 min

Lab File: VU044873.D

Acq: 26 Sep 2021 06:15

Tgt Ion: 45 Resp: 4227

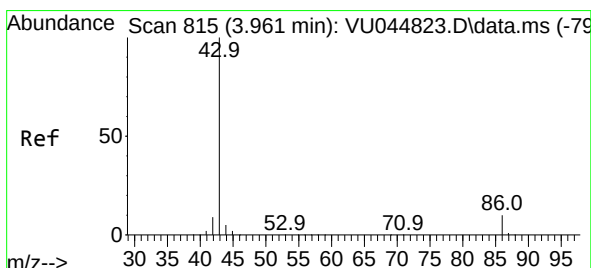
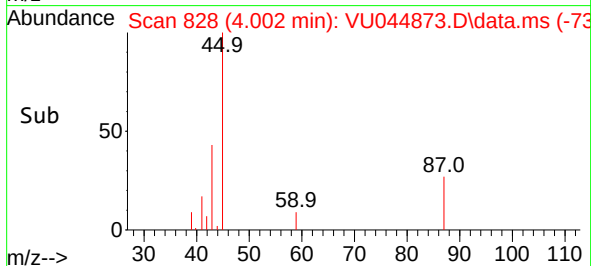
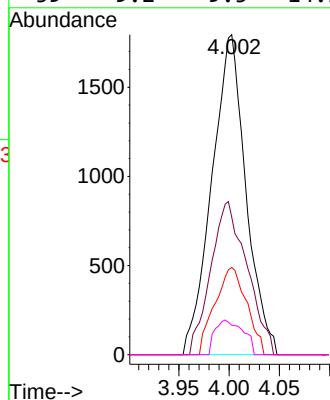
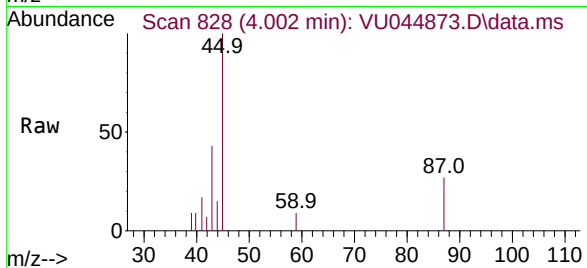
Ion Ratio Lower Upper

45 100

43 43.0 62.3 93.5#

87 27.2 21.0 31.4

59 9.2 9.5 14.3#



#23

Vinyl Acetate

Concen: 0.273 ug/l

RT: 3.999 min Scan# 827

Delta R.T. 0.039 min

Lab File: VU044873.D

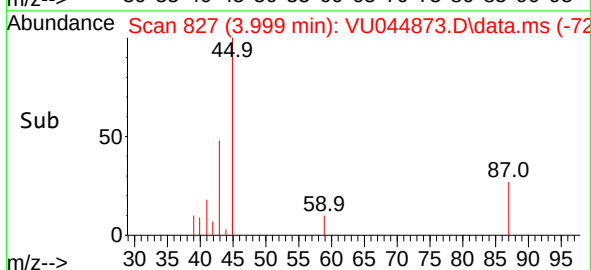
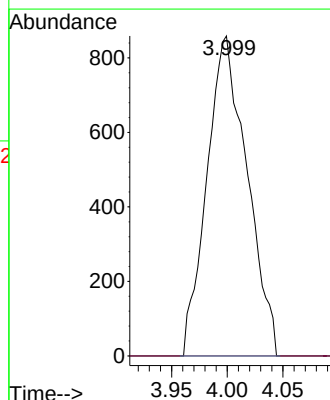
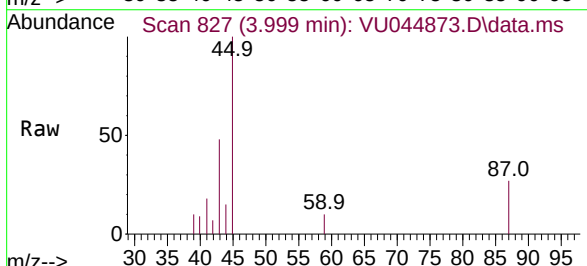
Acq: 26 Sep 2021 06:15

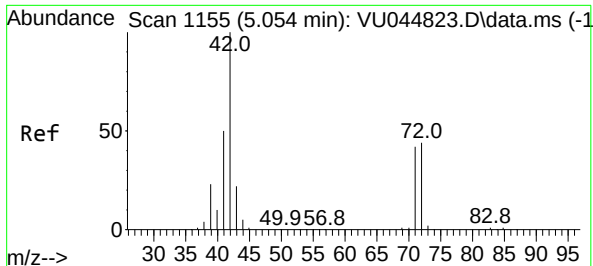
Tgt Ion: 43 Resp: 2156

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#





#29

Tetrahydrofuran

Concen: 64.968 ug/l

RT: 5.054 min Scan# 1155

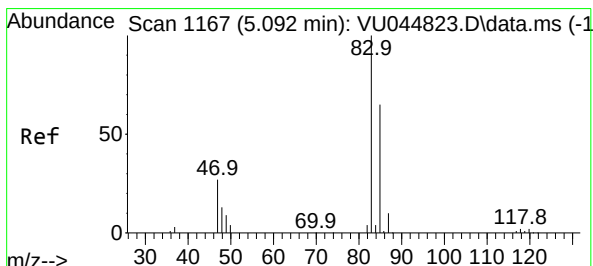
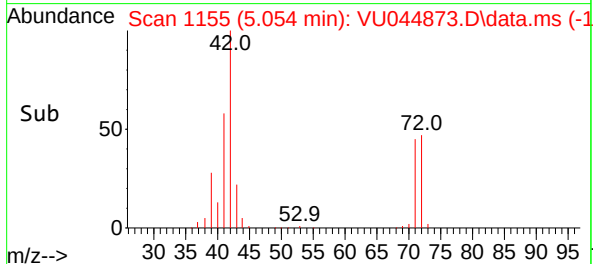
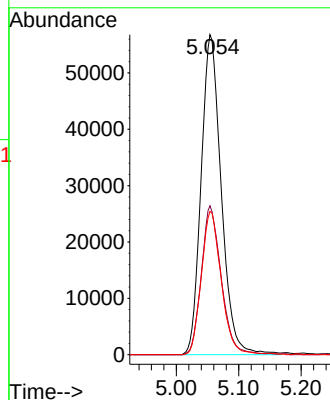
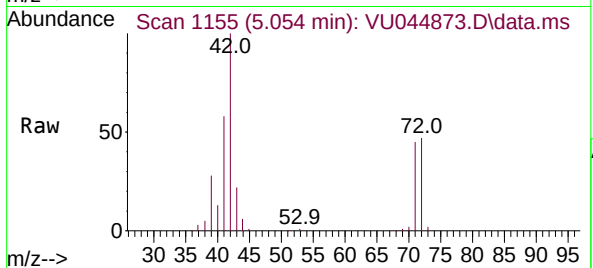
Delta R.T. 0.000 min

Lab File: VU044873.D

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Tgt Ion:	42	Resp:	127360
Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.2	54.4
71	44.1	34.1	51.1



#30

Chloroform

Concen: 0.513 ug/l

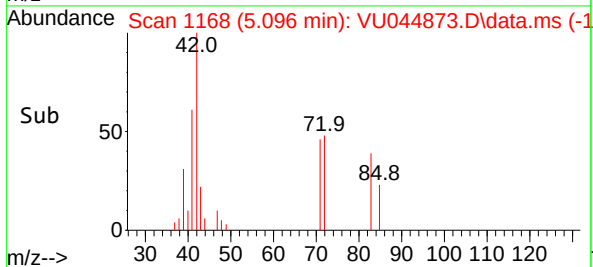
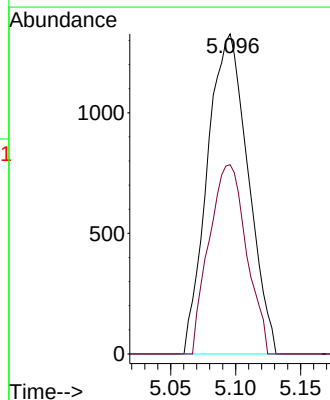
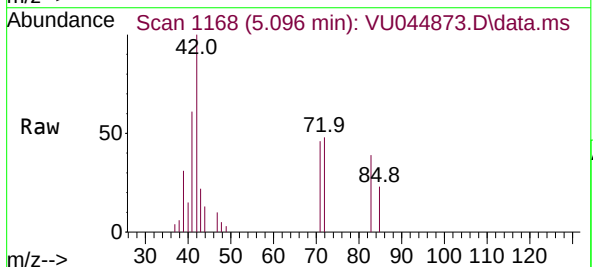
RT: 5.096 min Scan# 1168

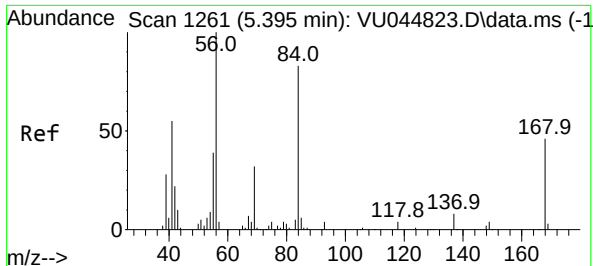
Delta R.T. 0.003 min

Lab File: VU044873.D

Acq: 26 Sep 2021 06:15

Tgt Ion:	83	Resp:	2884
Ion	Ratio	Lower	Upper
83	100		
85	59.2	52.1	78.1

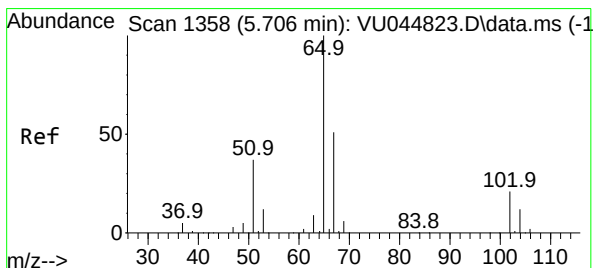
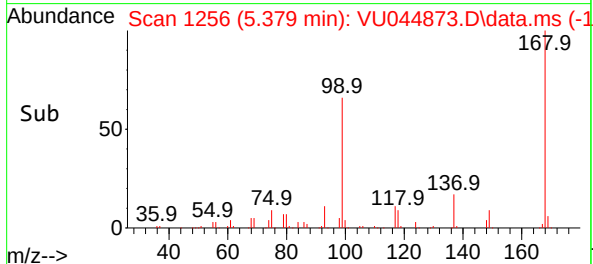
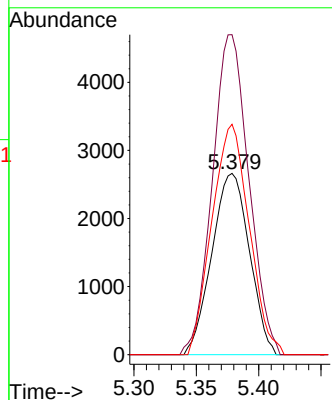
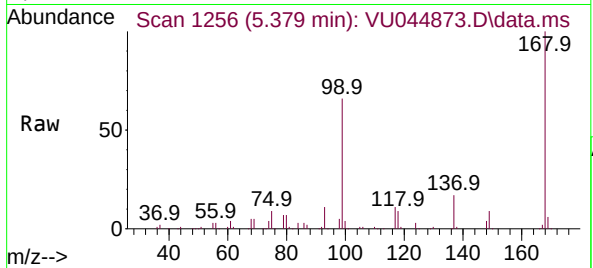




#31
Cyclohexane
Concen: 1.068 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

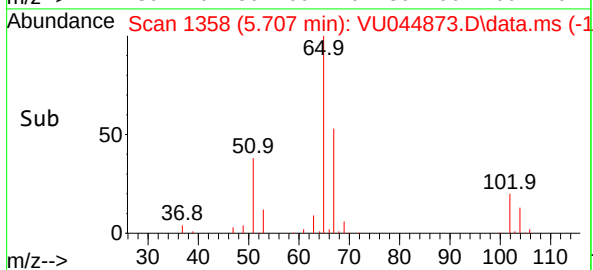
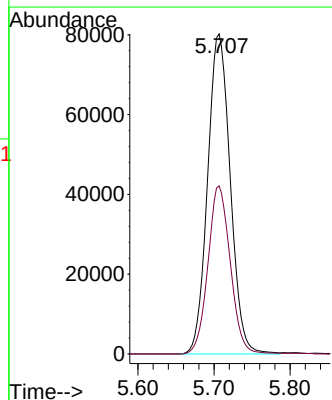
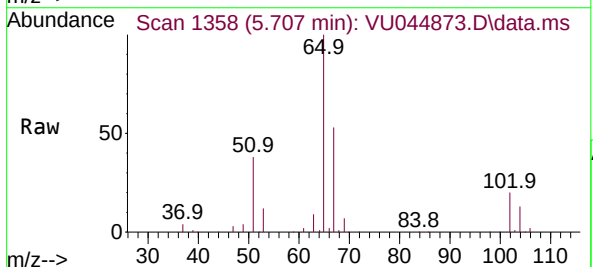
Instrument :
MSVOA_U
ClientSampled :
40456

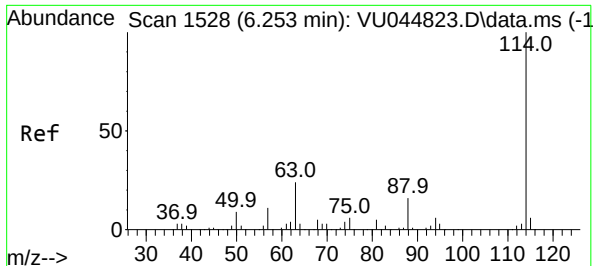
Tgt Ion: 56 Resp: 5582
Ion Ratio Lower Upper
56 100
69 176.6 25.2 37.8#
84 127.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 45.698 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Tgt Ion: 65 Resp: 166378
Ion Ratio Lower Upper
65 100
67 51.6 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: VU044873.D

Acq: 26 Sep 2021 06:15

Tgt Ion:114 Resp: 364455

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.8

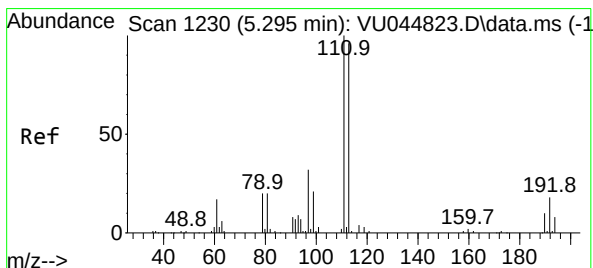
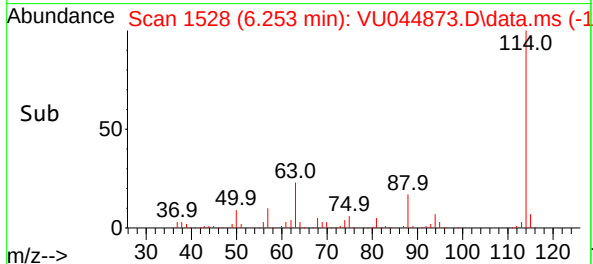
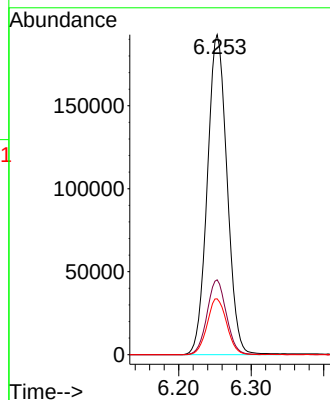
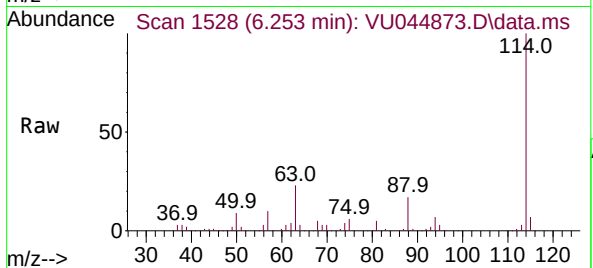
88 17.4 0.0 32.8

Instrument :

MSVOA_U

ClientSampled :

40456



#35

Dibromofluoromethane

Concen: 46.097 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.003 min

Lab File: VU044873.D

Acq: 26 Sep 2021 06:15

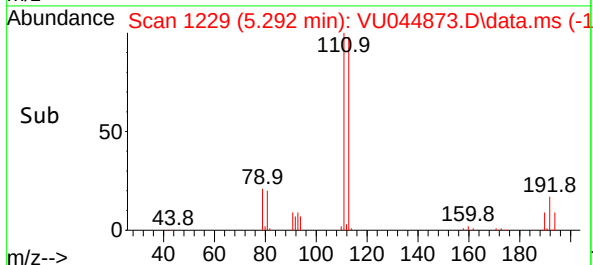
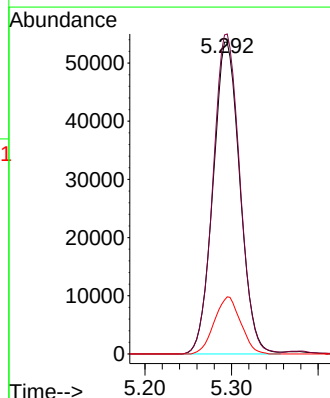
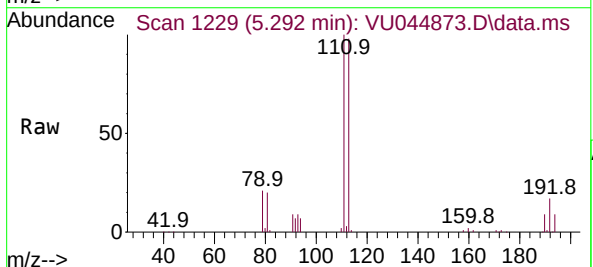
Tgt Ion:113 Resp: 115252

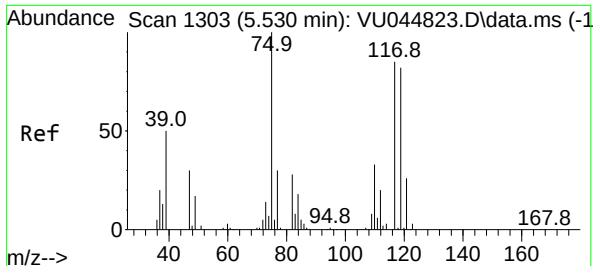
Ion Ratio Lower Upper

113 100

111 102.7 84.1 126.1

192 18.0 14.8 22.2

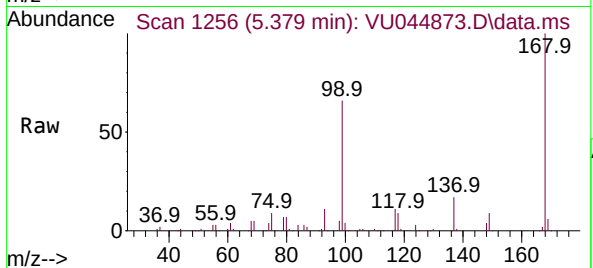




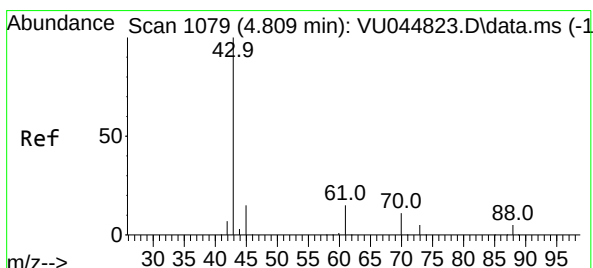
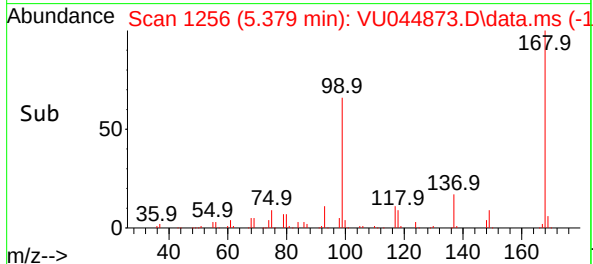
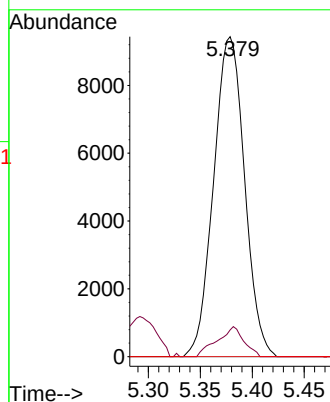
#36

1,1-Dichloropropene
Concen: 5.059 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Instrument :
MSVOA_U
ClientSampleId :
40456



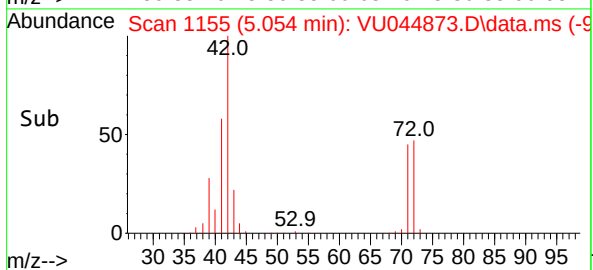
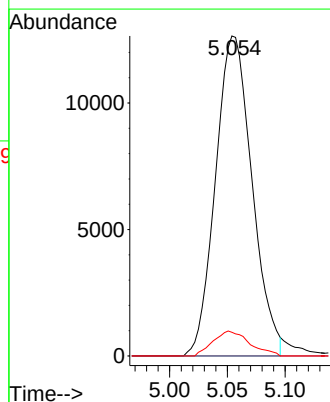
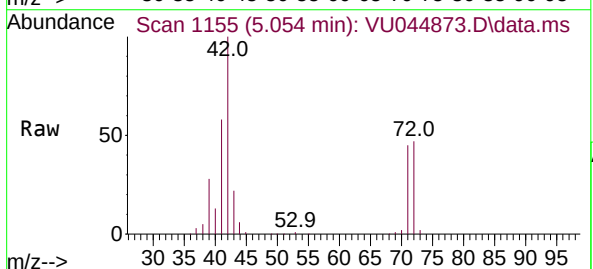
Tgt Ion:	75	Resp:	19561
Ion Ratio	Lower	Upper	
75	100		
110	8.1	16.3	48.9#
77	0.0	25.0	37.4#

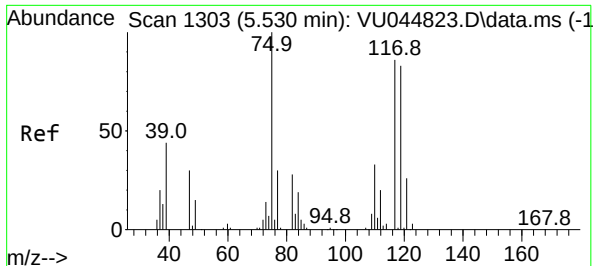


#37

Ethyl Acetate
Concen: 4.905 ug/l
RT: 5.054 min Scan# 1155
Delta R.T. 0.244 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

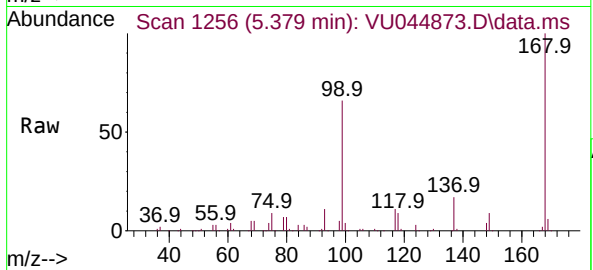
Tgt Ion:	43	Resp:	27833
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.9	16.3#
70	7.8	8.2	12.4#



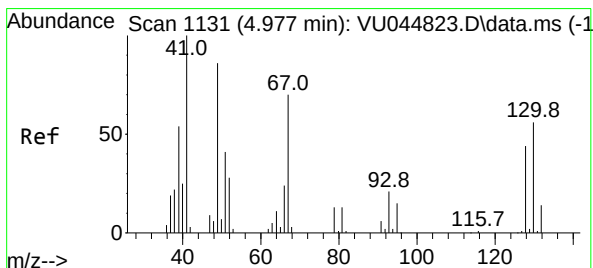
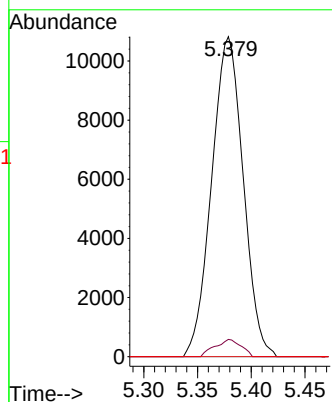
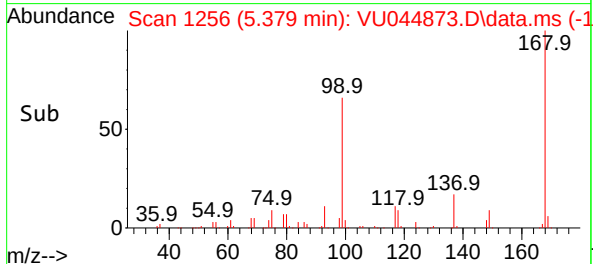


#38
Carbon Tetrachloride
Concen: 6.387 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

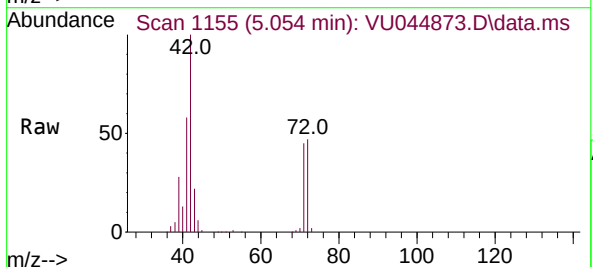
Instrument :
MSVOA_U
ClientSampled :
40456



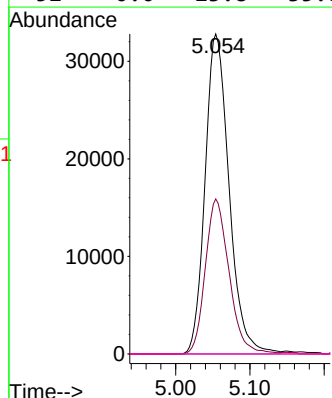
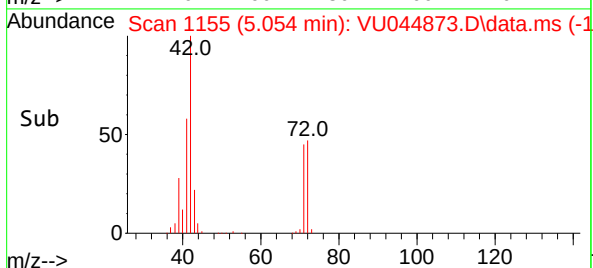
Tgt Ion: 117 Resp: 22080
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.2#
121 0.0 24.5 36.7#

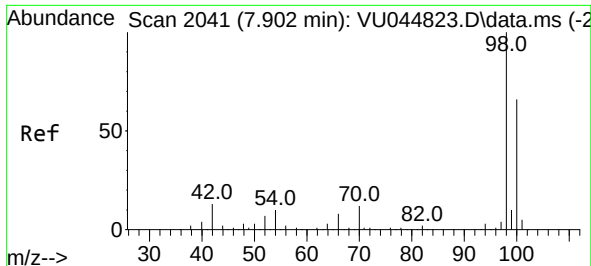


#41
Methacrylonitrile
Concen: 25.987 ug/l
RT: 5.054 min Scan# 1155
Delta R.T. 0.077 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15



Tgt Ion: 41 Resp: 73598
Ion Ratio Lower Upper
41 100
39 48.0 44.4 66.6
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#

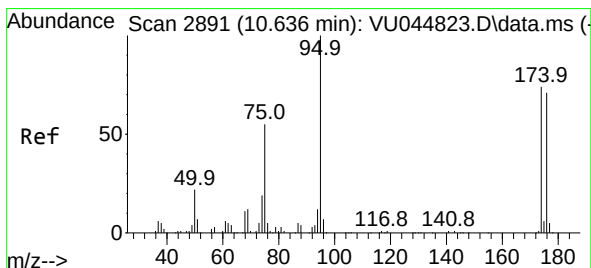
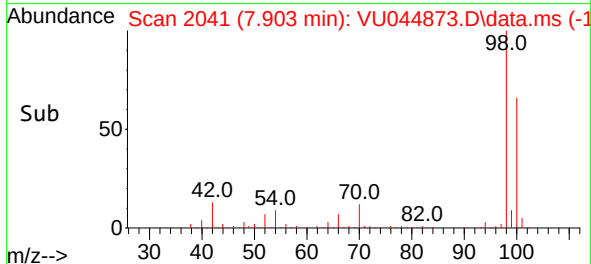
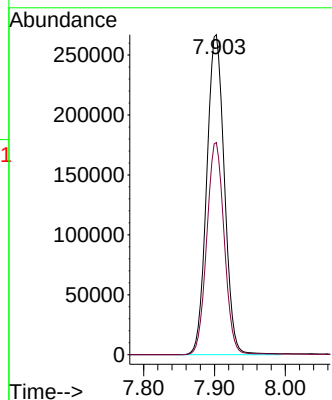
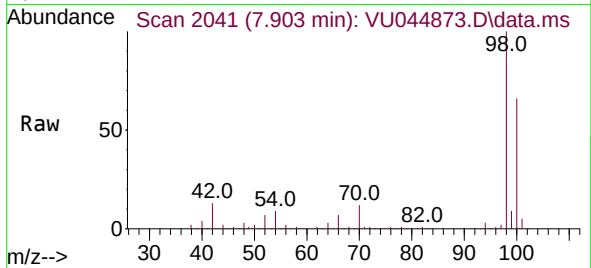




#50
Toluene-d8
Concen: 48.951 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

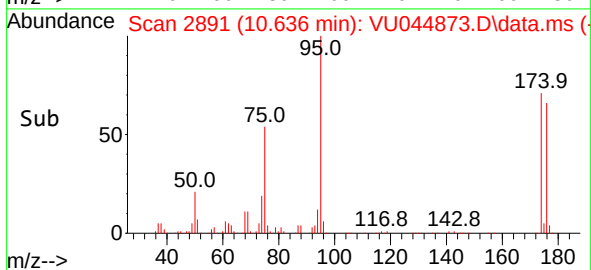
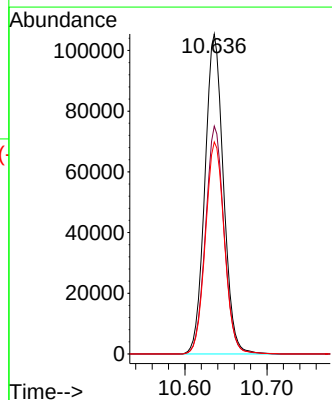
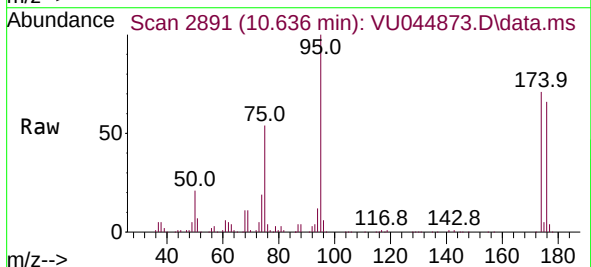
Instrument :
MSVOA_U
ClientSampleId :
40456

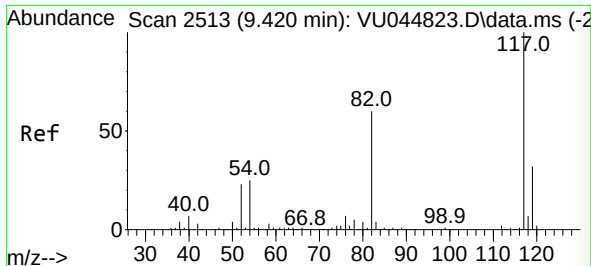
Tgt Ion: 98 Resp: 462231
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 47.183 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Tgt Ion: 95 Resp: 165482
Ion Ratio Lower Upper
95 100
174 71.4 0.0 146.6
176 67.9 0.0 141.2

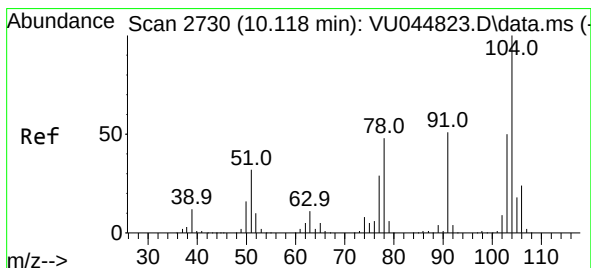
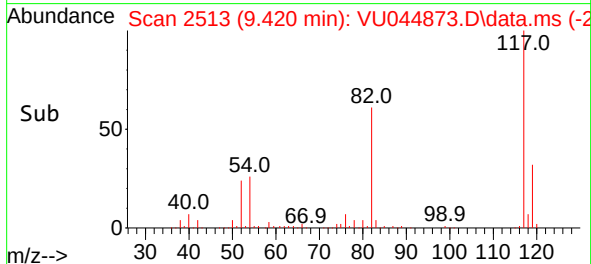
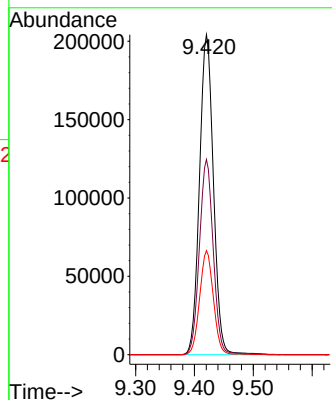
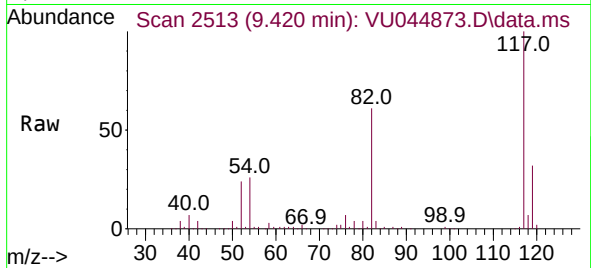




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

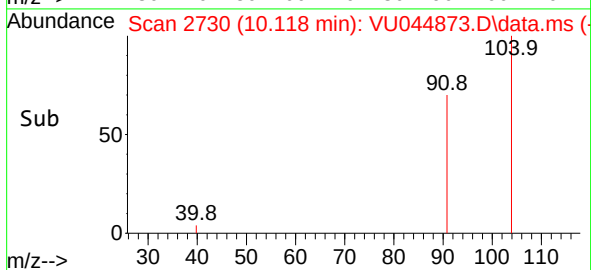
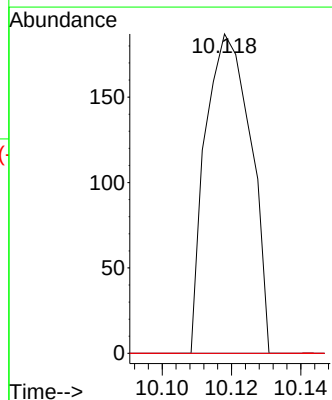
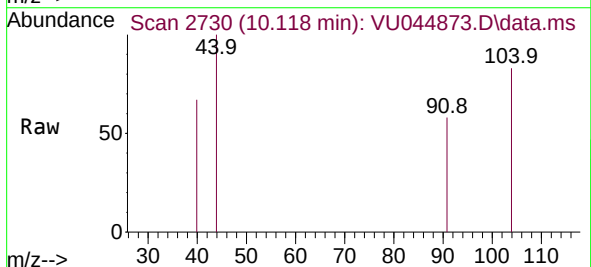
Instrument :
MSVOA_U
ClientSampleId :
40456

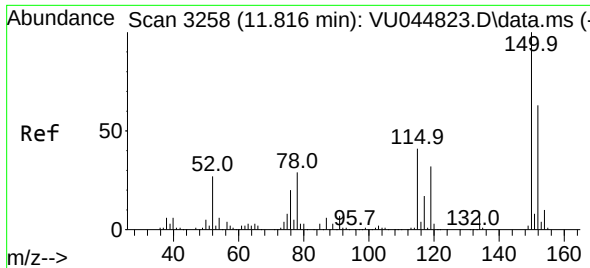
Tgt Ion:117 Resp: 336549
Ion Ratio Lower Upper
117 100
82 61.0 47.8 71.8
119 32.5 25.8 38.6



#70
Styrene
Concen: 1.030 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Tgt Ion:104 Resp: 170
Ion Ratio Lower Upper
104 100
78 0.0 41.4 62.0#
103 0.0 43.5 65.3#

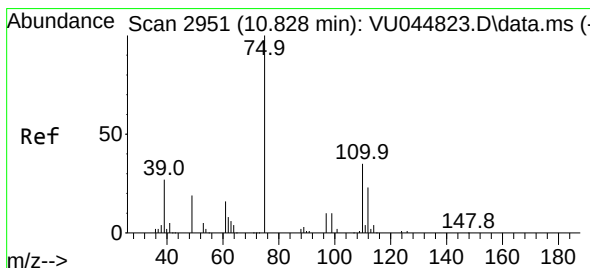
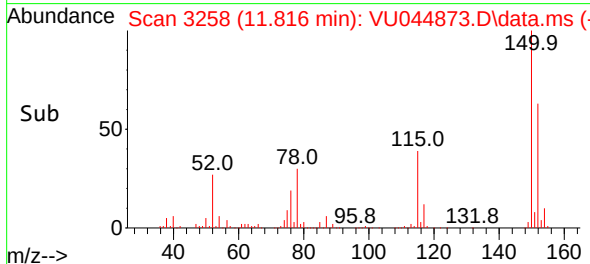
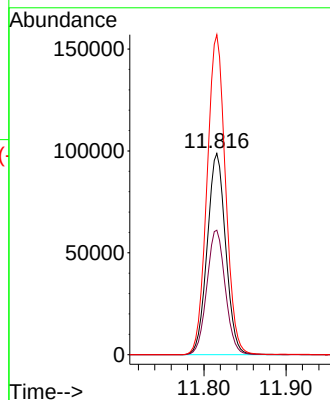
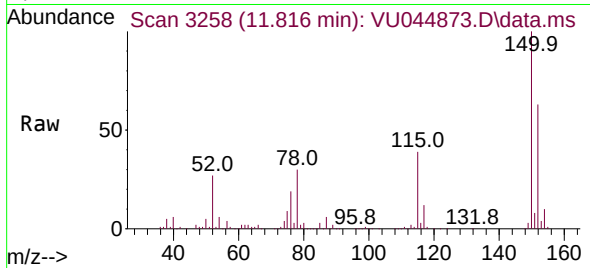




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU044873.D
 Acq: 26 Sep 2021 06:15

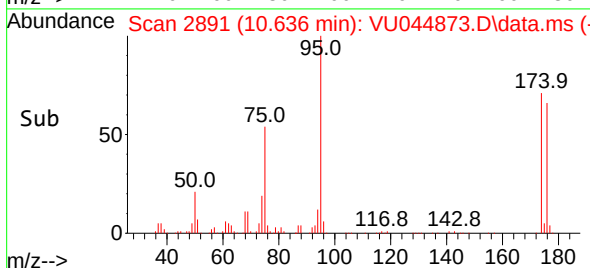
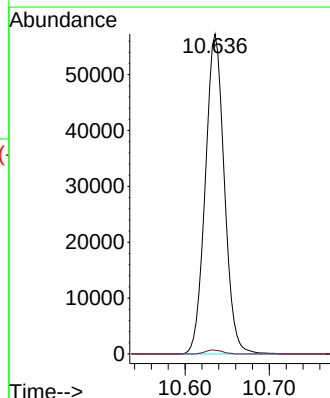
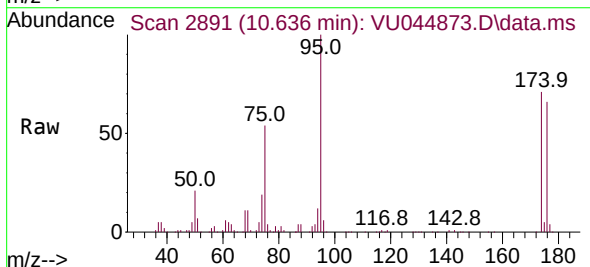
Instrument :
 MSVOA_U
 ClientSampled :
 40456

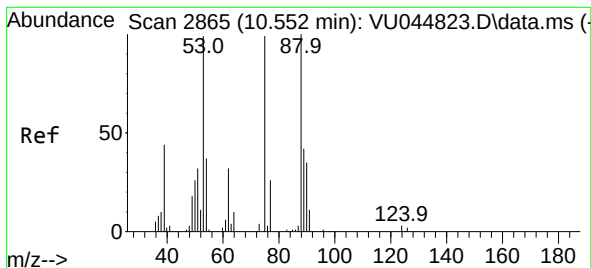
Tgt Ion:152 Resp: 154475
 Ion Ratio Lower Upper
 152 100
 115 61.9 43.5 130.7
 150 159.0 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.294 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044873.D
 Acq: 26 Sep 2021 06:15

Tgt Ion: 75 Resp: 90250
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#

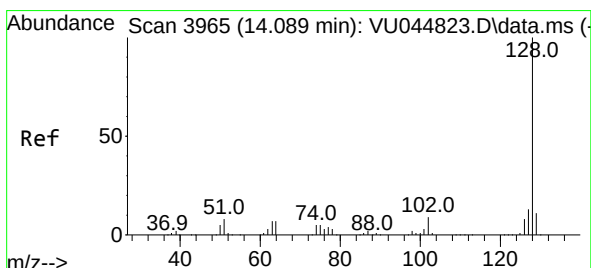
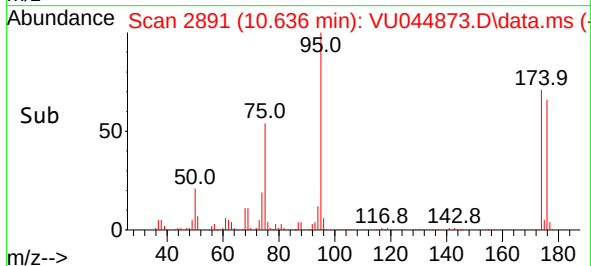
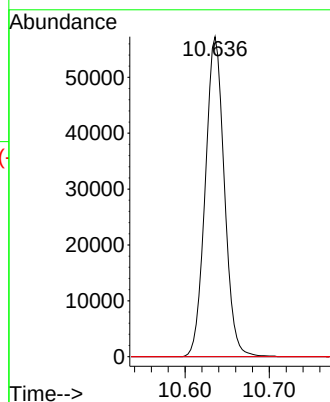
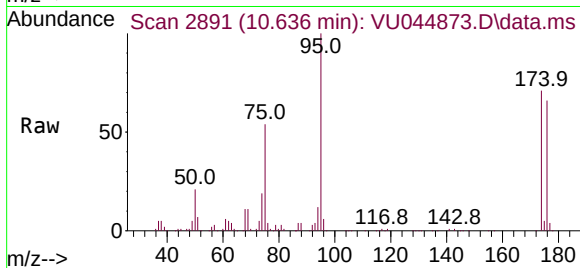




#81
trans-1,4-Dichloro-2-butene
Concen: 62.500 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Instrument :
MSVOA_U
ClientSampleId :
40456

Tgt Ion: 75 Resp: 90250
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 2.012 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044873.D
Acq: 26 Sep 2021 06:15

Tgt Ion:128 Resp: 12913
Ion Ratio Lower Upper
128 100
127 12.1 10.4 15.6
129 10.6 8.6 13.0

