

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044923.D
 Acq On : 28 Sep 2021 05:48
 Operator : SY/MD
 Sample : M3935-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-1-S

Quant Time: Sep 28 06:32:38 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

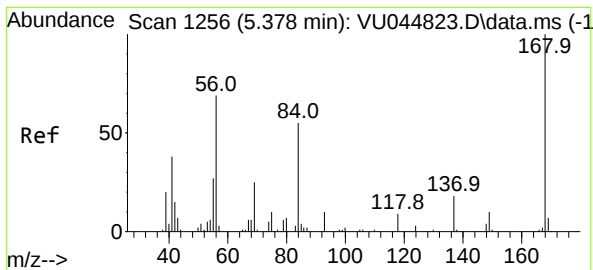
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.375	168	193200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	344093	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	334351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	161563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	157108	46.594	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.180%	
35) Dibromofluoromethane	5.292	113	107375	45.488	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.980%	
50) Toluene-d8	7.899	98	444337	49.840	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.680%	
62) 4-Bromofluorobenzene	10.639	95	178721	53.973	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.940%	
Target Compounds						
5) Bromomethane	1.832	94	357	Below Cal		90
6) Chloroethane	1.961	64	272	Below Cal		93
11) Tert butyl alcohol	3.189	59	3431	3.486 ug/l #		72
16) Acetone	2.629	43	100072	52.615 ug/l		99
18) Methyl Acetate	2.954	43	3858	0.607 ug/l		91
20) Methylene Chloride	3.044	84	16225	5.270 ug/l		97
25) 2-Butanone	4.713	43	15152	5.250 ug/l		97
29) Tetrahydrofuran	5.060	42	982	0.541 ug/l		97
31) Cyclohexane	5.375	56	5015	1.036 ug/l #		1
36) 1,1-Dichloropropene	5.375	75	17875	4.896 ug/l #		50
37) Ethyl Acetate	4.713	43	15152	2.828 ug/l #		69
38) Carbon Tetrachloride	5.375	117	20526	6.289 ug/l #		15
41) Methacrylonitrile	5.067	41	566	0.212 ug/l #		36
43) Isopropyl Acetate	5.916	43	22936	3.060 ug/l		99
44) Trichloroethene	6.543	130	1882	0.704 ug/l		96
45) 1,2-Dichloropropane	7.044	63	1960	0.651 ug/l #		45
48) Methyl methacrylate	6.903	41	8347	2.360 ug/l #		14
49) 1,4-Dioxane	7.047	88	172	1.903 ug/l #		1
51) 4-Methyl-2-Pentanone	7.800	43	8262	1.547 ug/l		96
54) cis-1,3-Dichloropropene	7.745	75	38136	8.584 ug/l #		61
56) Ethyl methacrylate	8.584	69	881	2.053 ug/l #		1
57) 1,3-Dichloropropane	8.732	76	26070	5.146 ug/l #		43
59) 2-Hexanone	8.732	43	352882	82.306 ug/l #		49
74) N-amyl acetate	10.076	43	15375	2.631 ug/l #		50
76) 1,2,3-Trichloropropane	10.636	75	96886	19.803 ug/l #		41
81) trans-1,4-Dichloro-2-b...	10.636	75	96886	64.152 ug/l #		9
95) Naphthalene	14.102	128	575	0.989 ug/l #		69

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

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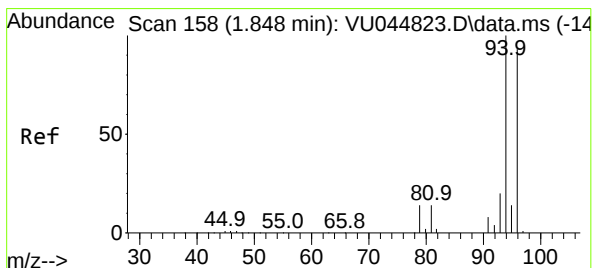
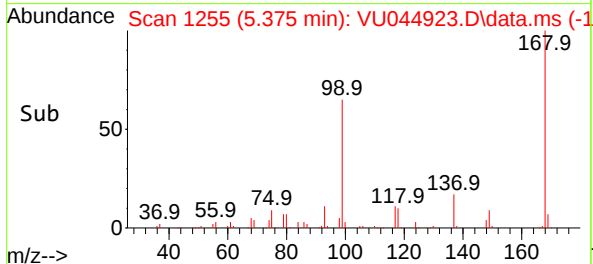
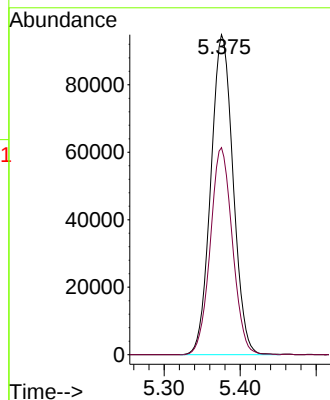
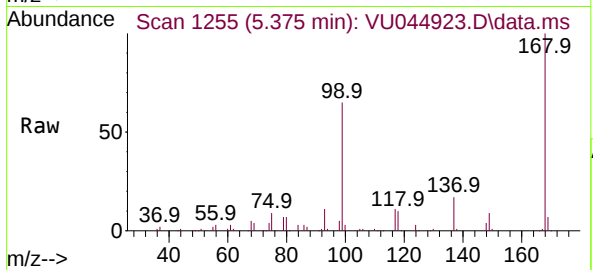




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

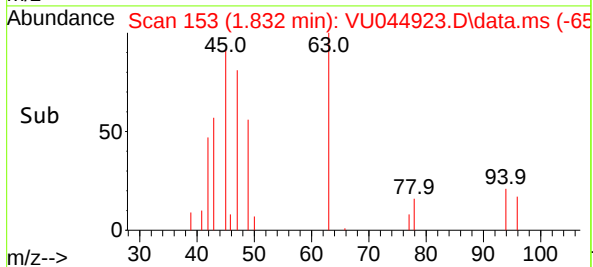
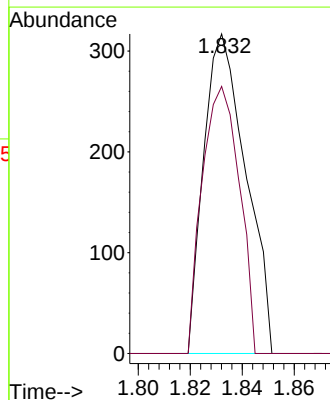
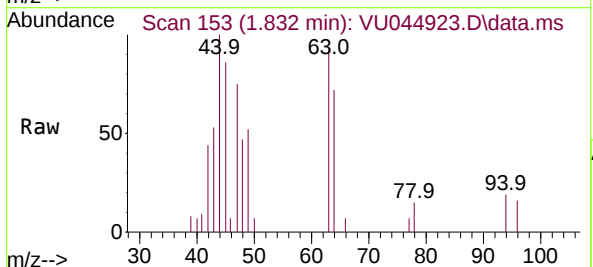
Instrument :
MSVOA_U
ClientSampled :
TP-1-S

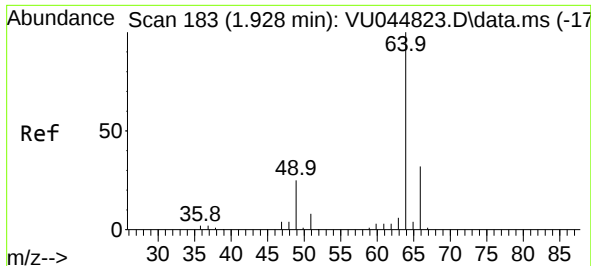
Tgt Ion:168 Resp: 193200
Ion Ratio Lower Upper
168 100
99 64.7 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 1.832 min Scan# 153
Delta R.T. -0.016 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion: 94 Resp: 357
Ion Ratio Lower Upper
94 100
96 83.6 74.5 111.7

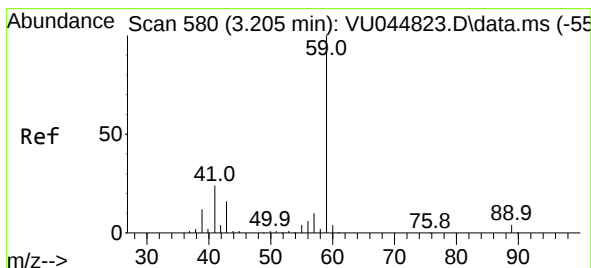
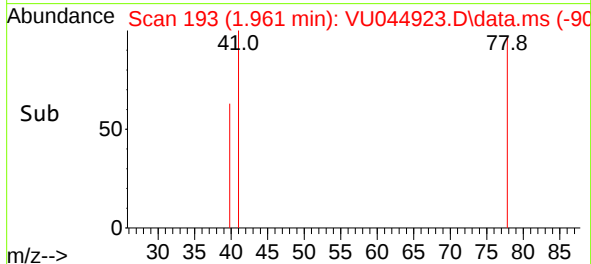
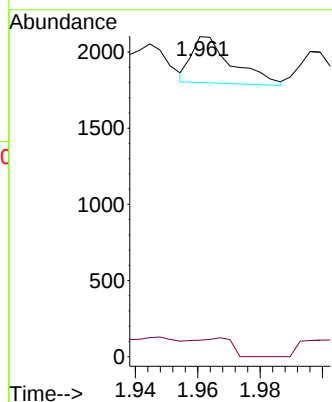
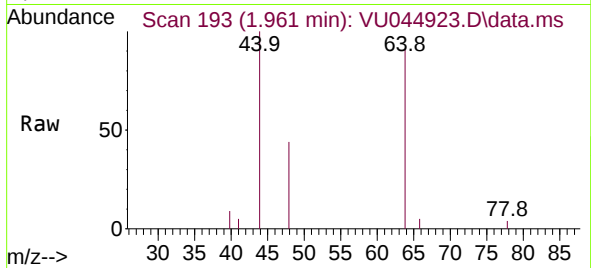




#6
Chloroethane
Concen: Below Cal
RT: 1.961 min Scan# 193
Delta R.T. 0.033 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

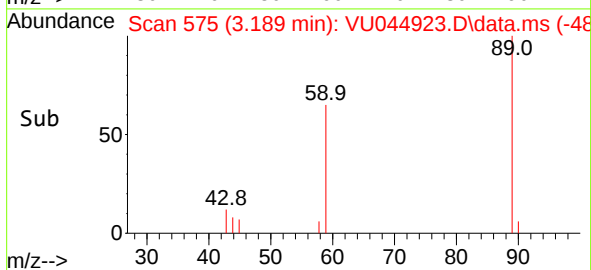
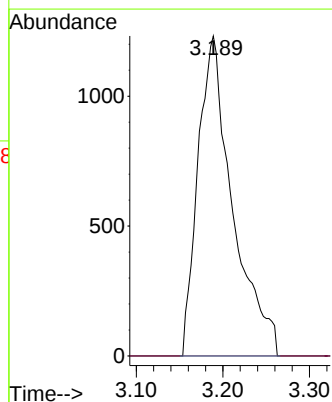
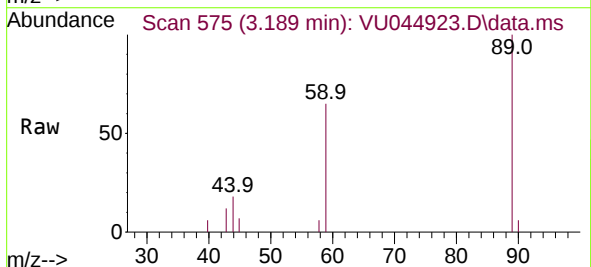
Instrument :
MSVOA_U
ClientSampled :
TP-1-S

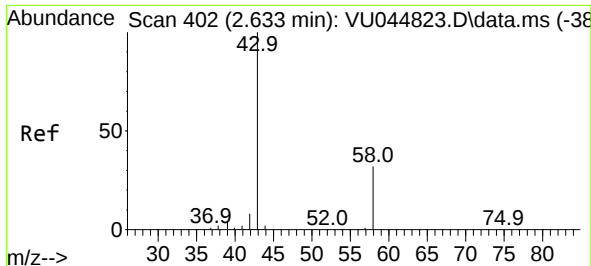
Tgt Ion: 64 Resp: 272
Ion Ratio Lower Upper
64 100
66 36.5 25.8 38.8



#11
Tert butyl alcohol
Concen: 3.486 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.016 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion: 59 Resp: 3431
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

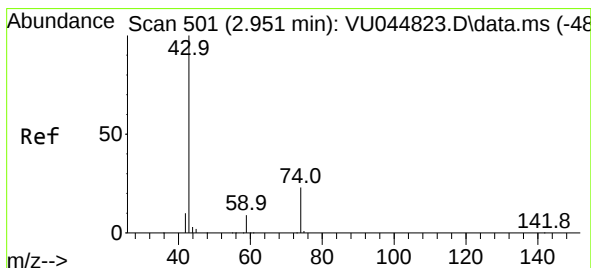
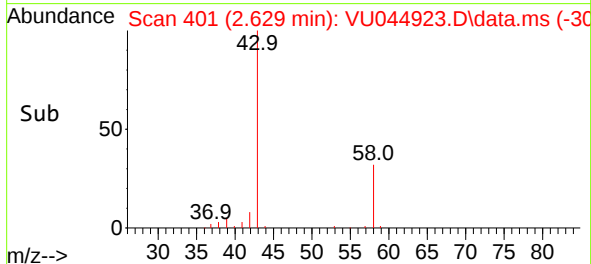
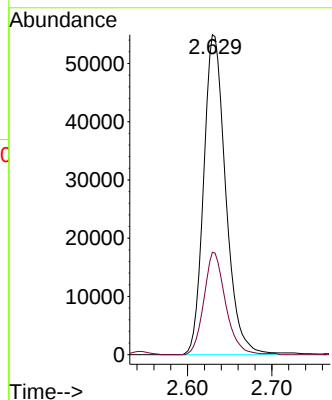
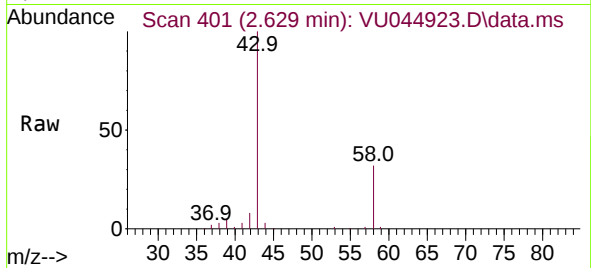




#16
Acetone
Concen: 52.615 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

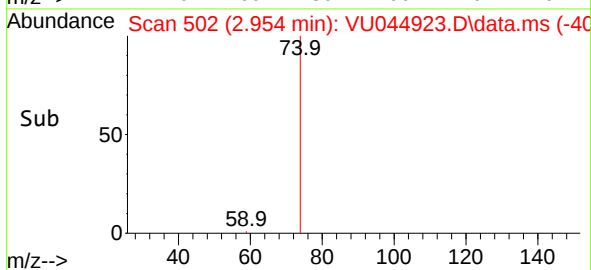
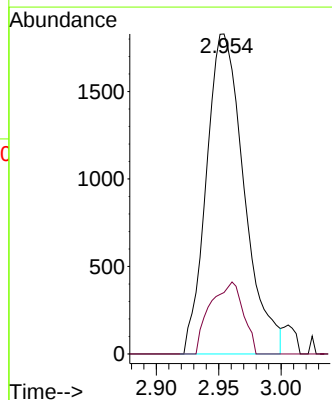
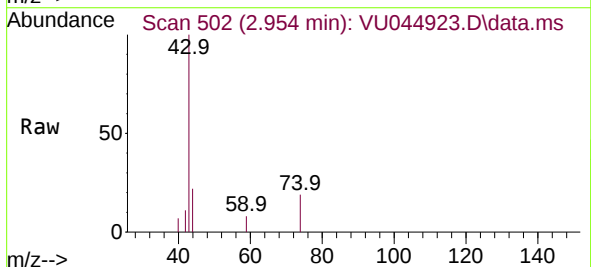
Instrument :
MSVOA_U
ClientSampleId :
TP-1-S

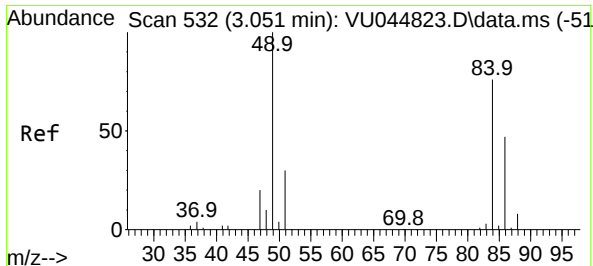
Tgt Ion: 43 Resp: 100072
Ion Ratio Lower Upper
43 100
58 32.0 25.2 37.8



#18
Methyl Acetate
Concen: 0.607 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
74 19.6 19.0 28.6

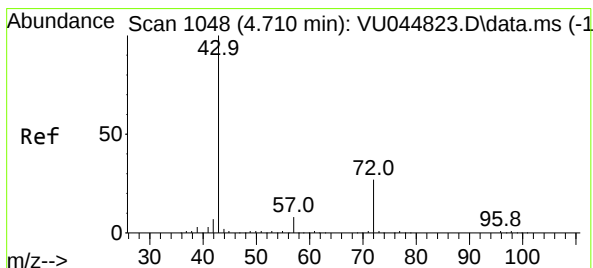
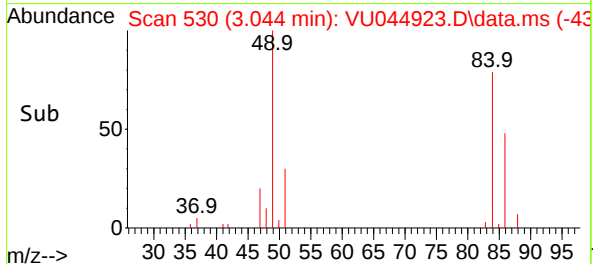
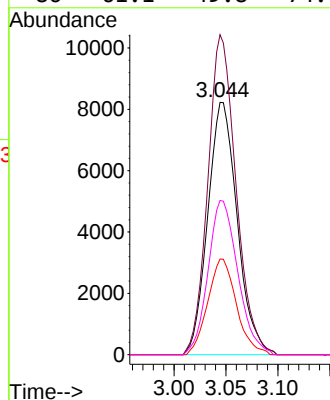
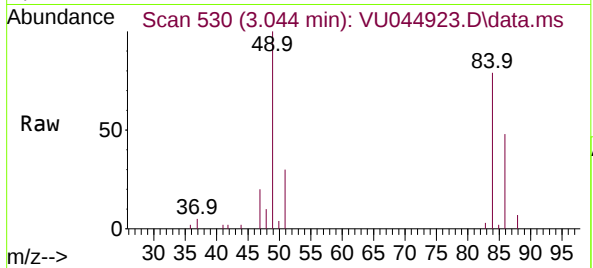




#20
Methylene Chloride
Concen: 5.270 ug/l
RT: 3.044 min Scan# 530
Delta R.T. -0.006 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

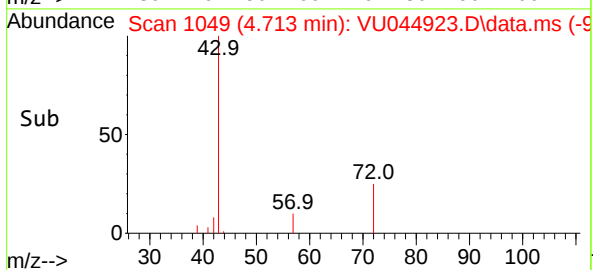
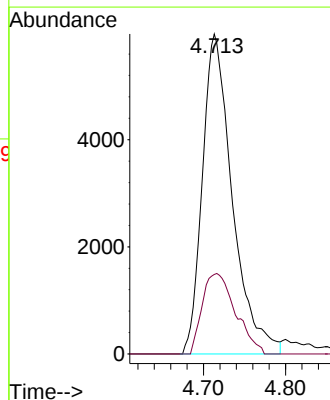
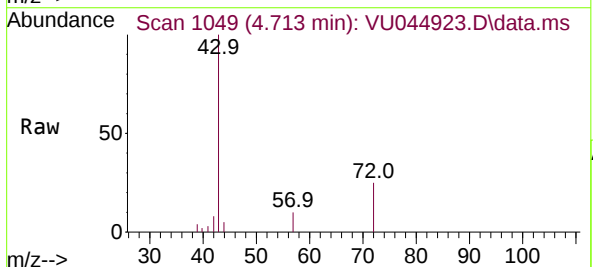
Instrument :
MSVOA_U
ClientSampleId :
TP-1-S

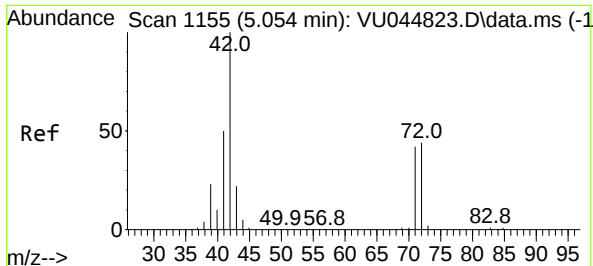
Tgt Ion:	84	Resp:	16225
Ion	Ratio	Lower	Upper
84	100		
49	126.8	104.9	157.3
51	37.9	31.8	47.8
86	61.1	49.8	74.6



#25
2-Butanone
Concen: 5.250 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion:	43	Resp:	15152
Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.541 ug/l

RT: 5.060 min Scan# 1157

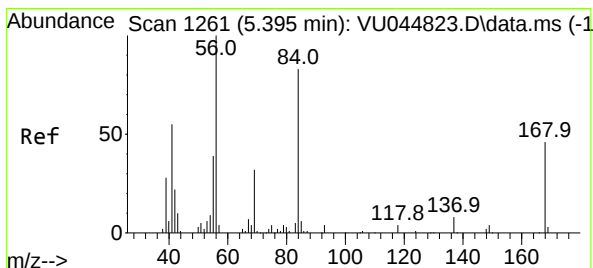
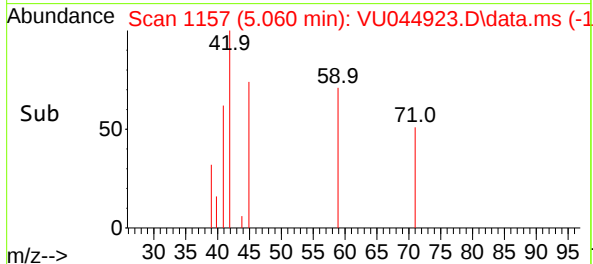
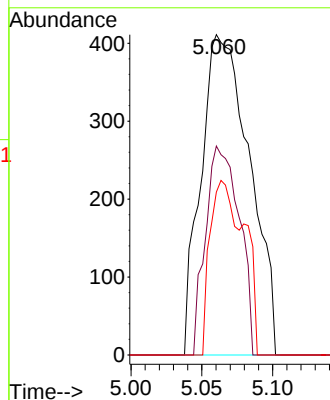
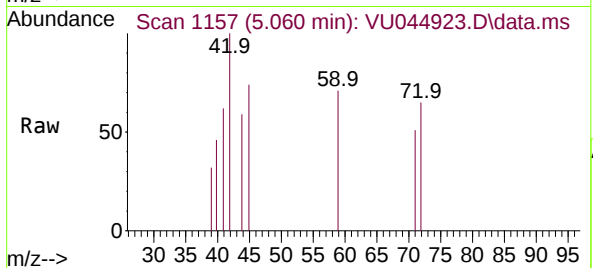
Delta R.T. 0.006 min

Lab File: VU044923.D

Acq: 28 Sep 2021 05:48

Instrument :
MSVOA_U
ClientSampleId :
TP-1-S

Tgt Ion:	42	Resp:	982
Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.2	54.4
71	38.3	34.1	51.1



#31

Cyclohexane

Concen: 1.036 ug/l

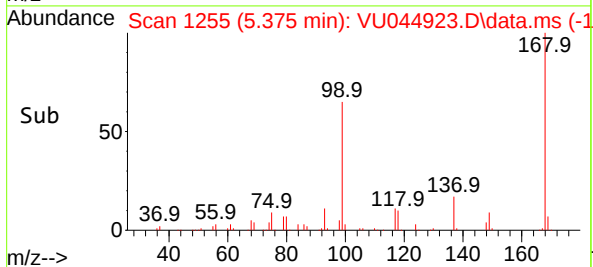
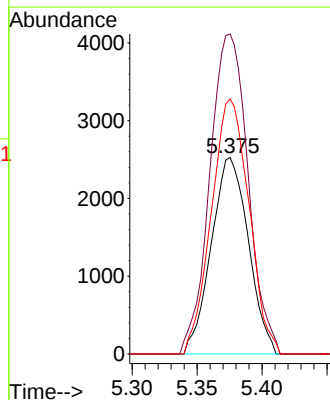
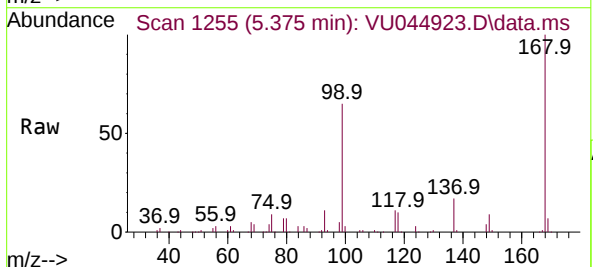
RT: 5.375 min Scan# 1255

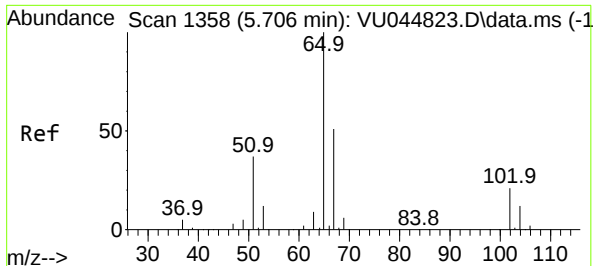
Delta R.T. -0.019 min

Lab File: VU044923.D

Acq: 28 Sep 2021 05:48

Tgt Ion:	56	Resp:	5015
Ion	Ratio	Lower	Upper
56	100		
69	162.8	25.2	37.8#
84	129.8	66.4	99.6#



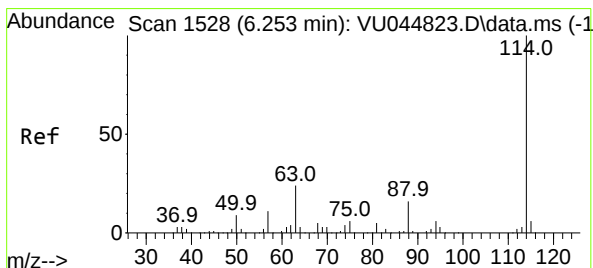
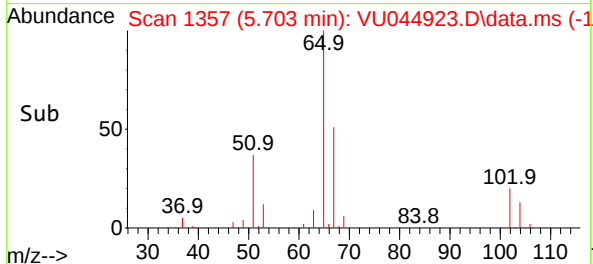
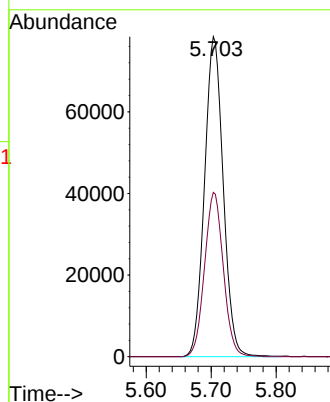
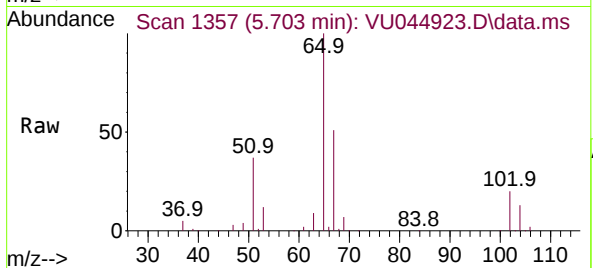


#33

1,2-Dichloroethane-d4
Concen: 46.594 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Instrument :
MSVOA_U
ClientSampled :
TP-1-S

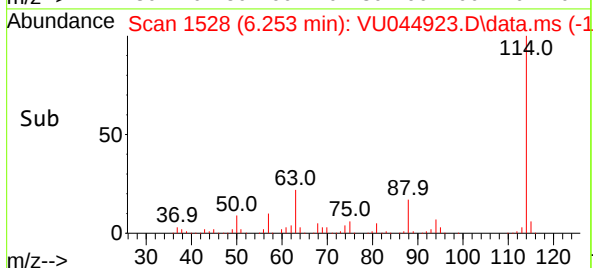
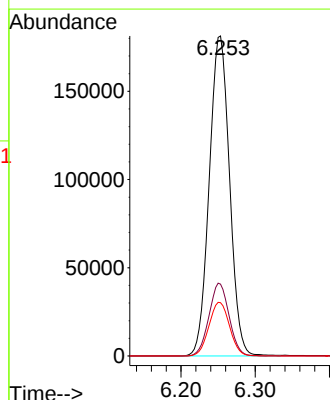
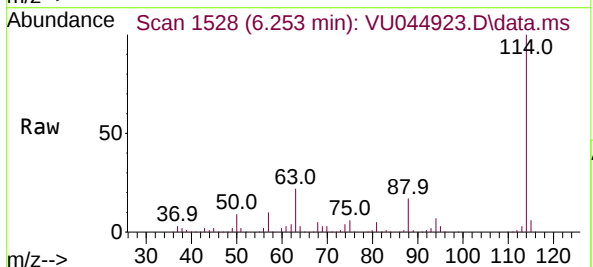
Tgt Ion: 65 Resp: 157108
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8

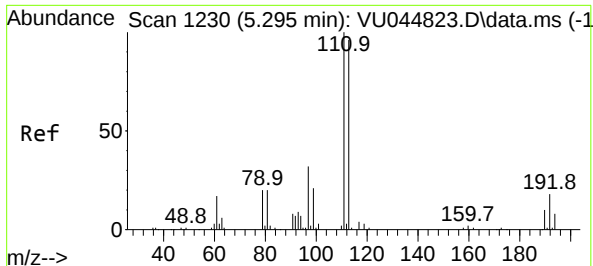


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion: 114 Resp: 344093
Ion Ratio Lower Upper
114 100
63 22.5 0.0 47.8
88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.488 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.003 min

Lab File: VU044923.D

Acq: 28 Sep 2021 05:48

Instrument :

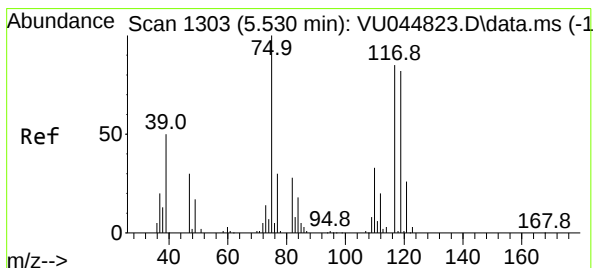
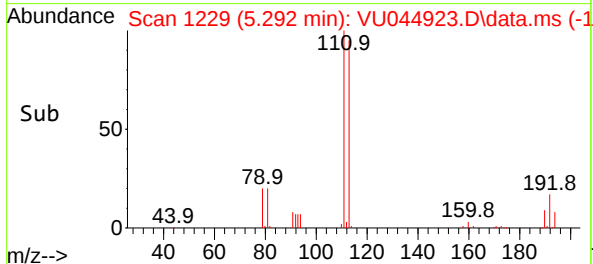
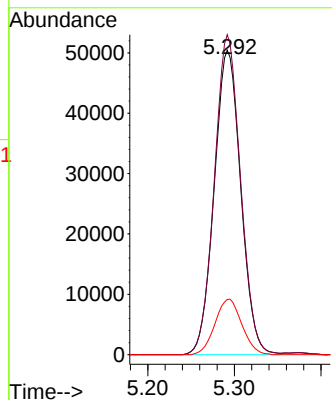
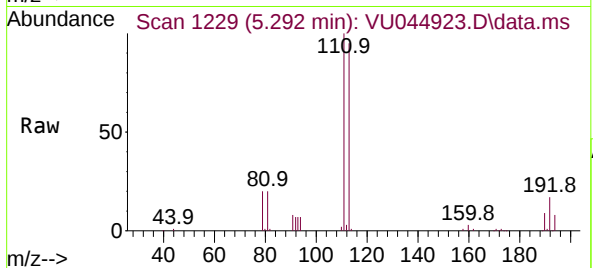
MSVOA_U

ClientSampleId :

TP-1-S

Tgt Ion:113 Resp: 107375

Ion	Ratio	Lower	Upper
113	100		
111	103.6	84.1	126.1
192	18.4	14.8	22.2



#36

1,1-Dichloropropene

Concen: 4.896 ug/l

RT: 5.375 min Scan# 1255

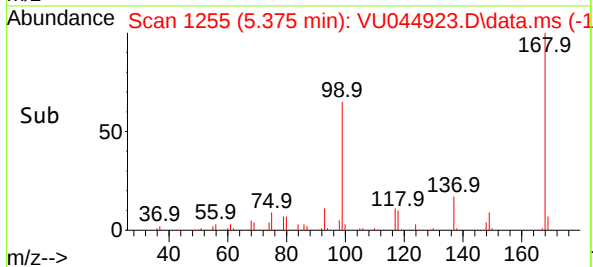
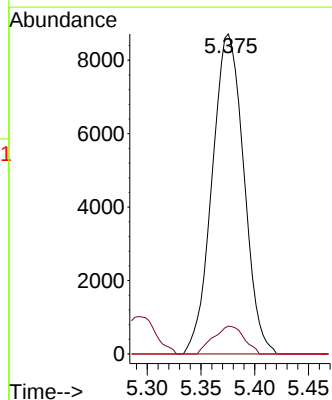
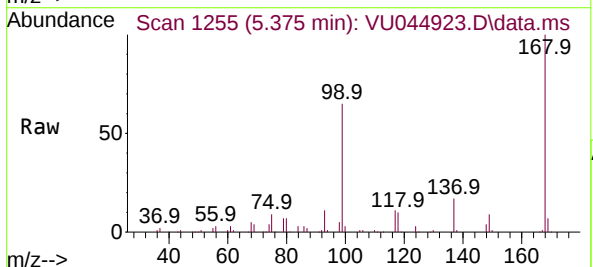
Delta R.T. -0.154 min

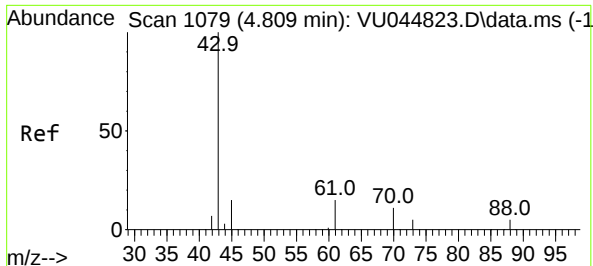
Lab File: VU044923.D

Acq: 28 Sep 2021 05:48

Tgt Ion: 75 Resp: 17875

Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.3	48.9#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 2.828 ug/l

RT: 4.713 min Scan# 1049

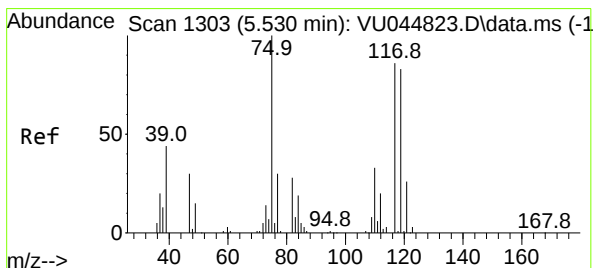
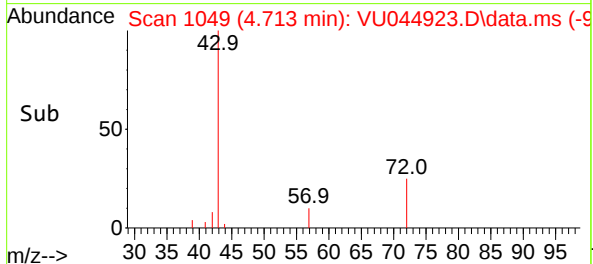
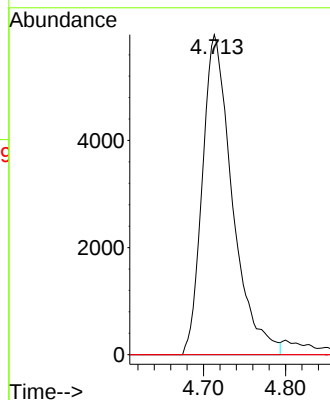
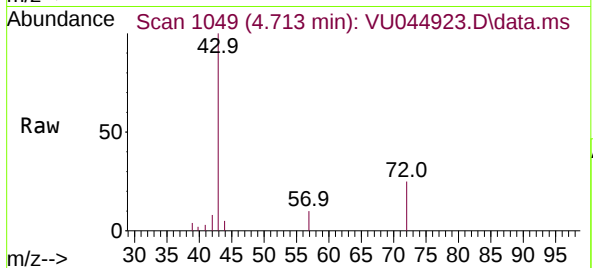
Delta R.T. -0.096 min

Lab File: VU044923.D

Acq: 28 Sep 2021 05:48

Instrument :
MSVOA_U
ClientSampled :
TP-1-S

Tgt Ion:	43	Resp:	15152
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



#38

Carbon Tetrachloride

Concen: 6.289 ug/l

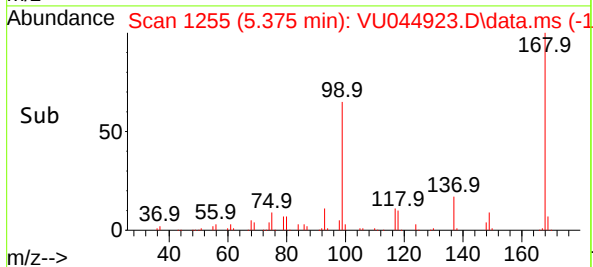
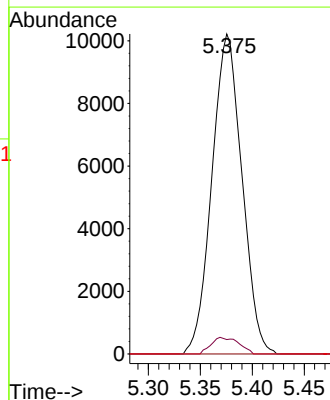
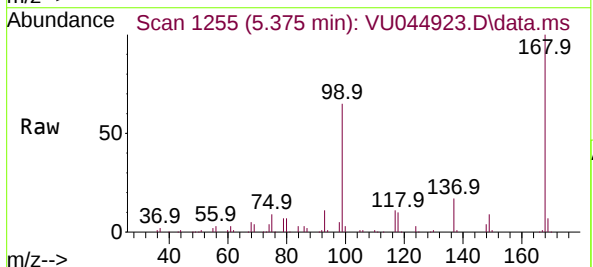
RT: 5.375 min Scan# 1255

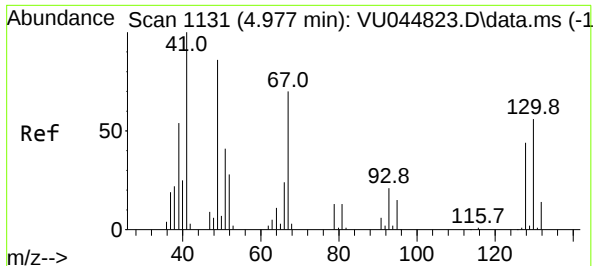
Delta R.T. -0.154 min

Lab File: VU044923.D

Acq: 28 Sep 2021 05:48

Tgt Ion:	117	Resp:	20526
Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.4	116.2#
121	0.0	24.5	36.7#

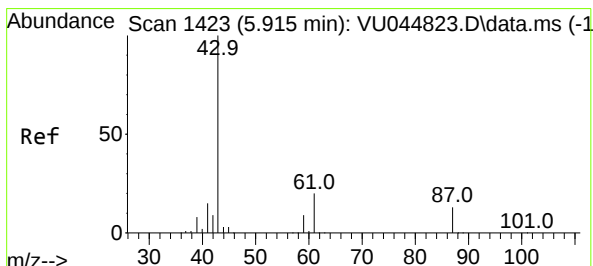
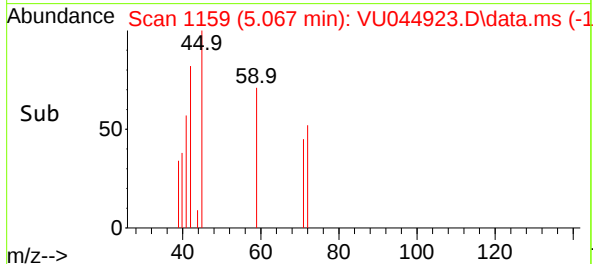
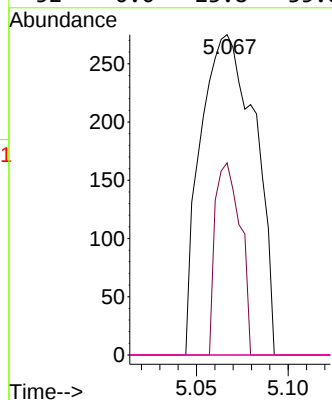
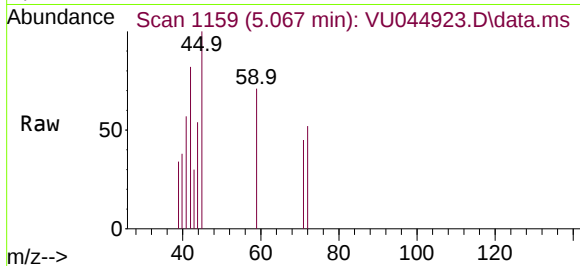




#41
Methacrylonitrile
Concen: 0.212 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.090 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

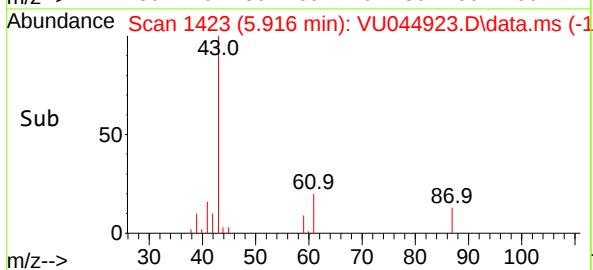
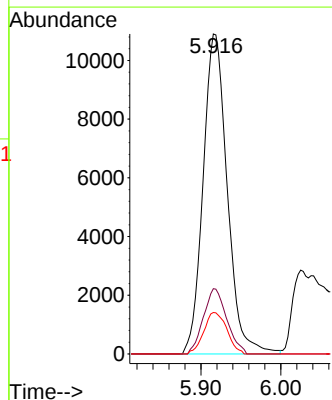
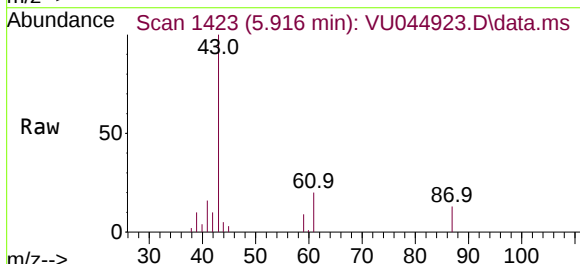
Instrument :
MSVOA_U
ClientSampled :
TP-1-S

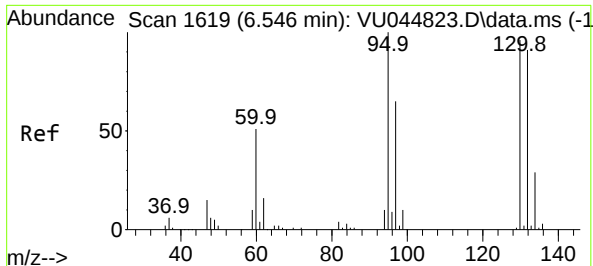
Tgt Ion:	41	Resp:	566
Ion	Ratio	Lower	Upper
41	100		
39	27.7	44.4	66.6#
67	0.0	58.1	87.1#
52	0.0	23.8	35.8#



#43
Isopropyl Acetate
Concen: 3.060 ug/l
RT: 5.916 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion:	43	Resp:	22936
Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.1	24.1
87	12.4	10.3	15.5

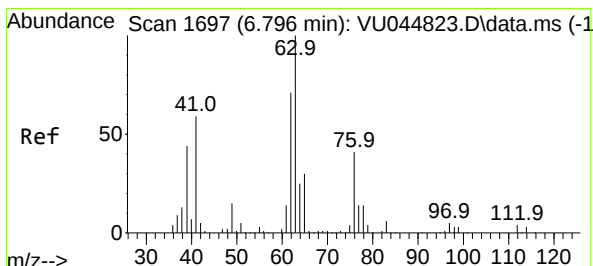
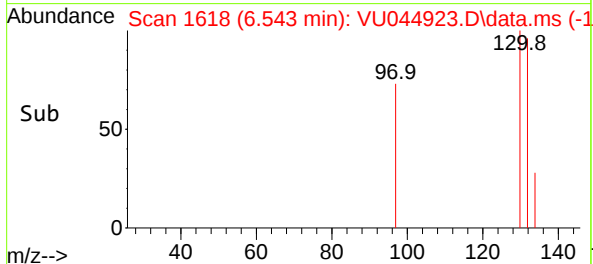
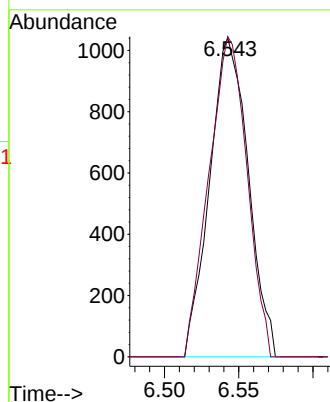
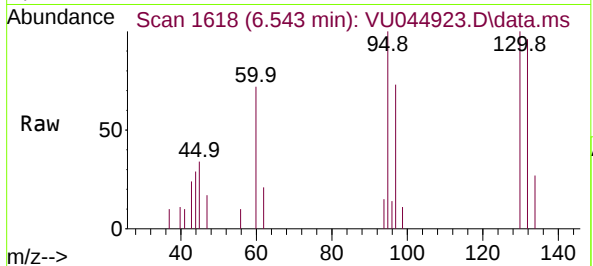




#44
Trichloroethene
Concen: 0.704 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

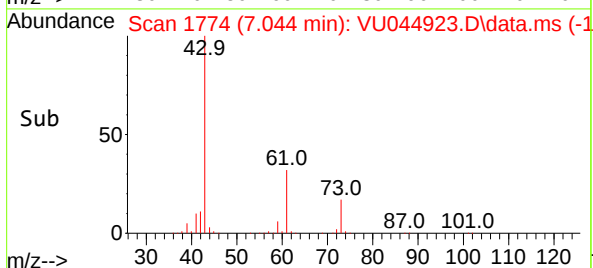
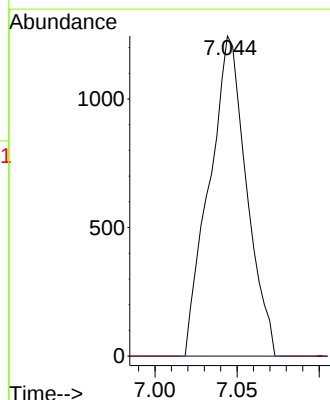
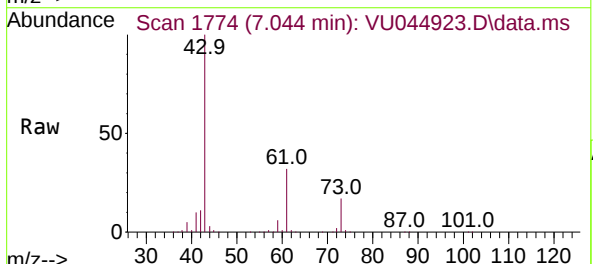
Instrument :
MSVOA_U
ClientSampled :
TP-1-S

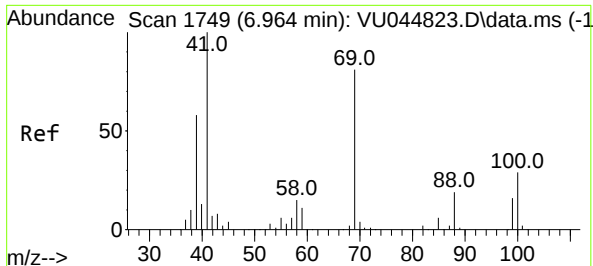
Tgt Ion:130 Resp: 1882
Ion Ratio Lower Upper
130 100
95 100.3 0.0 209.0



#45
1,2-Dichloropropane
Concen: 0.651 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.248 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion: 63 Resp: 1960
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 2.360 ug/l

RT: 6.903 min Scan# 1730

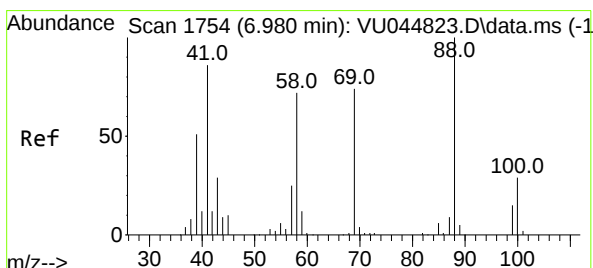
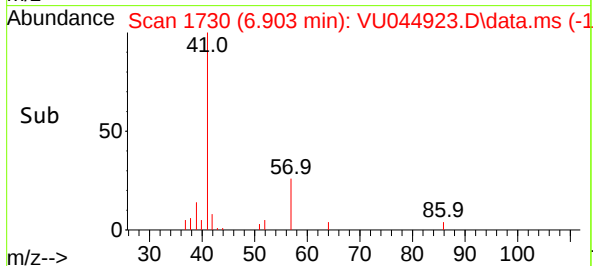
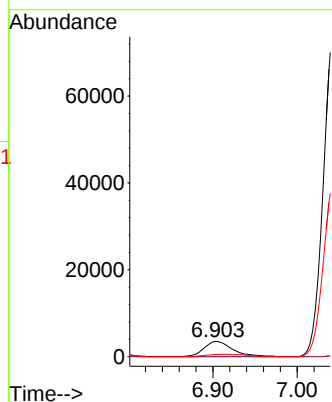
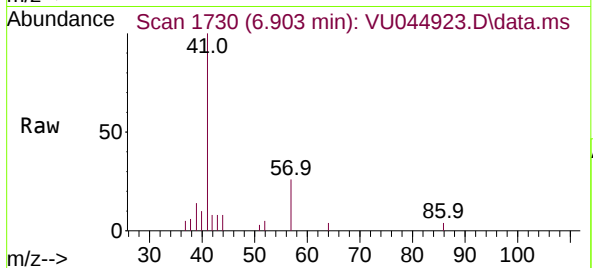
Delta R.T. -0.061 min

Lab File: VU044923.D

Acq: 28 Sep 2021 05:48

Tgt Ion:	41	Resp:	8347
Ion Ratio	Lower	Upper	
41	100		
69	0.0	65.6	98.4#
39	0.0	46.2	69.4#

Instrument :
MSVOA_U
ClientSampled :
TP-1-S



#49

1,4-Dioxane

Concen: 1.903 ug/l

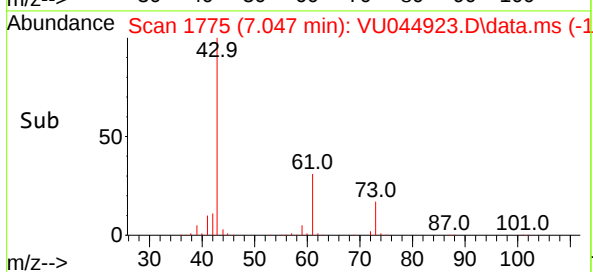
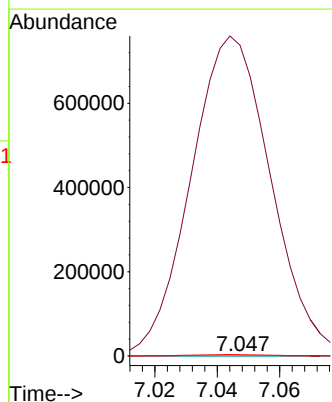
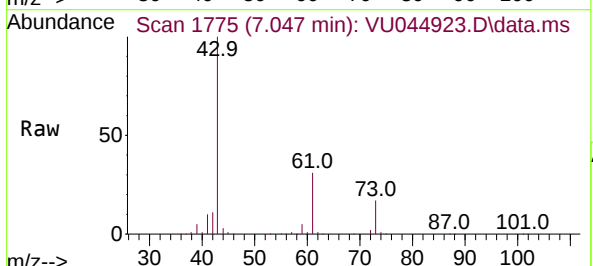
RT: 7.047 min Scan# 1775

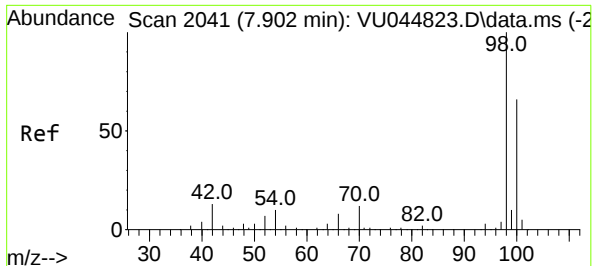
Delta R.T. 0.068 min

Lab File: VU044923.D

Acq: 28 Sep 2021 05:48

Tgt Ion:	88	Resp:	172
Ion Ratio	Lower	Upper	
88	100		
43	795269.8	25.8	38.6#
58	3532.0	61.3	91.9#

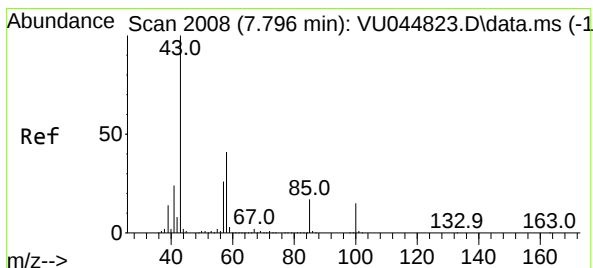
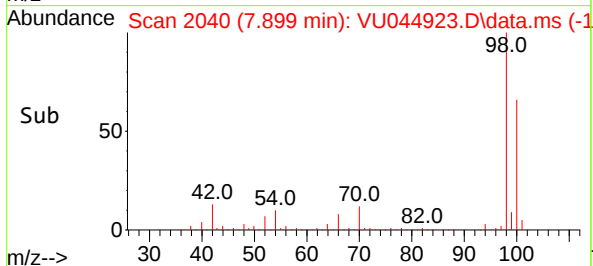
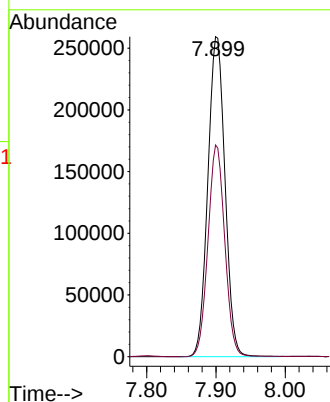
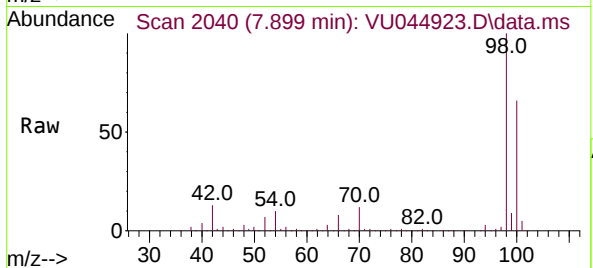




#50
Toluene-d8
Concen: 49.840 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

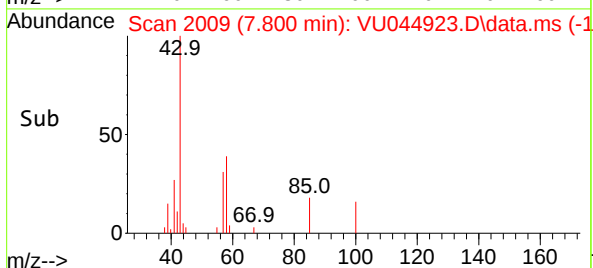
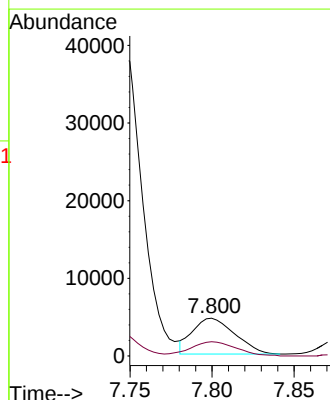
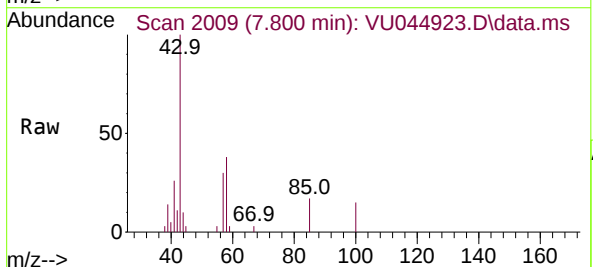
Instrument :
MSVOA_U
ClientSampled :
TP-1-S

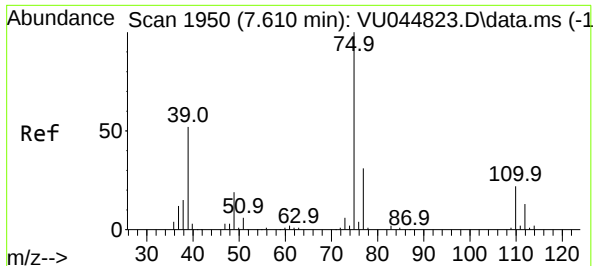
Tgt Ion: 98 Resp: 444337
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.547 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion: 43 Resp: 8262
Ion Ratio Lower Upper
43 100
58 43.1 32.4 48.6

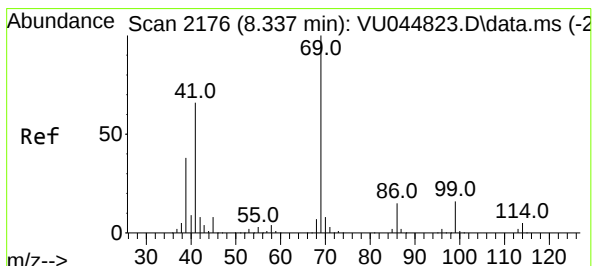
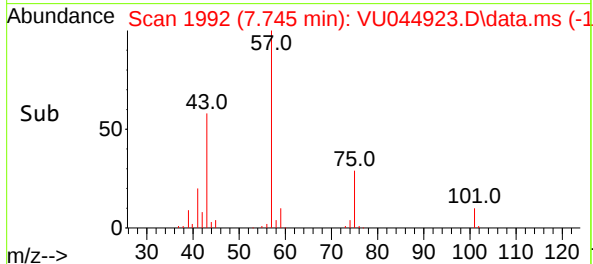
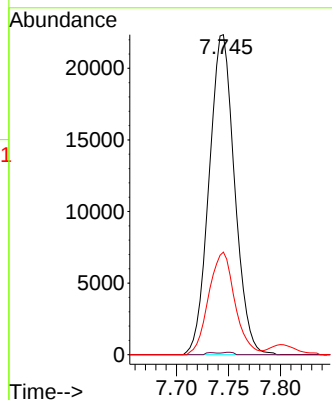
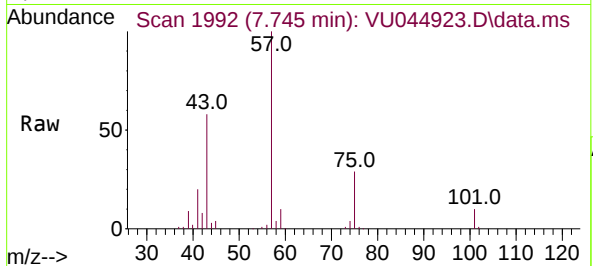




#54
cis-1,3-Dichloropropene
Concen: 8.584 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.135 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

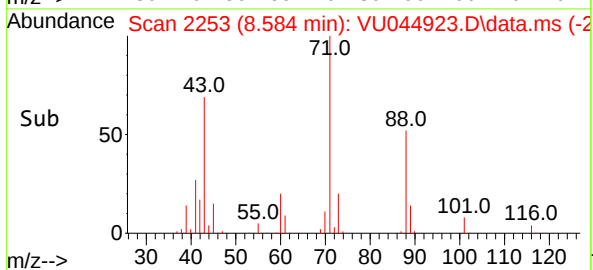
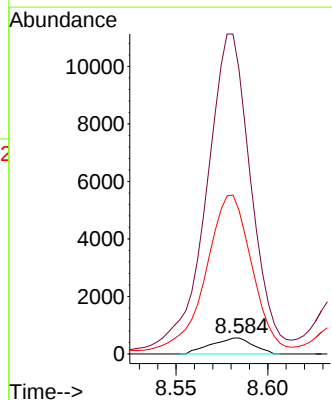
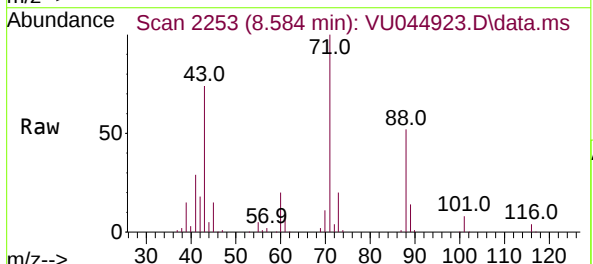
Instrument :
MSVOA_U
ClientSampled :
TP-1-S

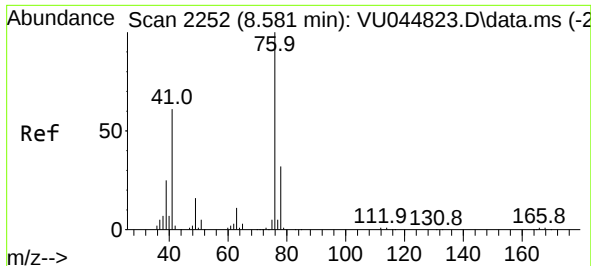
Tgt Ion: 75 Resp: 38136
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.6#
39 32.0 41.4 62.2#



#56
Ethyl methacrylate
Concen: 2.053 ug/l
RT: 8.584 min Scan# 2253
Delta R.T. 0.247 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion: 69 Resp: 881
Ion Ratio Lower Upper
69 100
41 2106.4 53.5 80.3#
39 1134.6 31.1 46.7#





#57

1,3-Dichloropropane

Concen: 5.146 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.151 min

Lab File: VU044923.D

Acq: 28 Sep 2021 05:48

Tgt Ion: 76 Resp: 26070

Ion Ratio Lower Upper

76 100

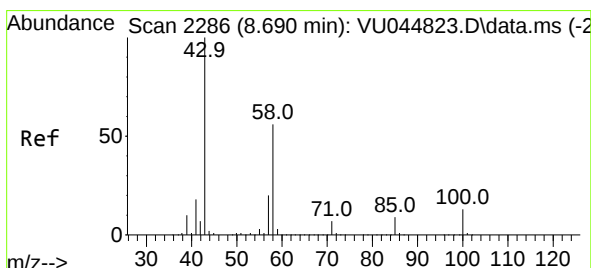
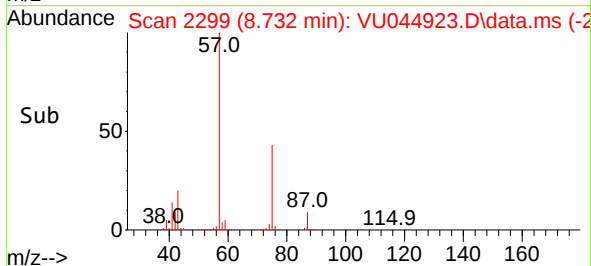
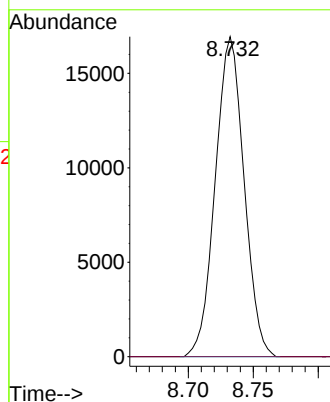
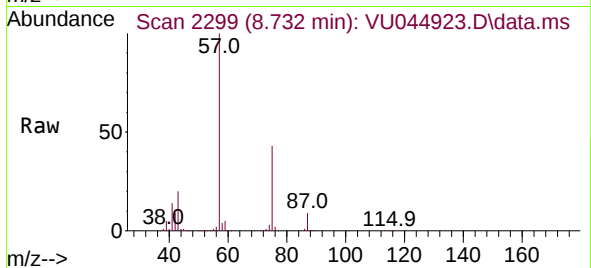
78 0.0 25.7 38.5#

Instrument :

MSVOA_U

ClientSampled :

TP-1-S



#59

2-Hexanone

Concen: 82.306 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.042 min

Lab File: VU044923.D

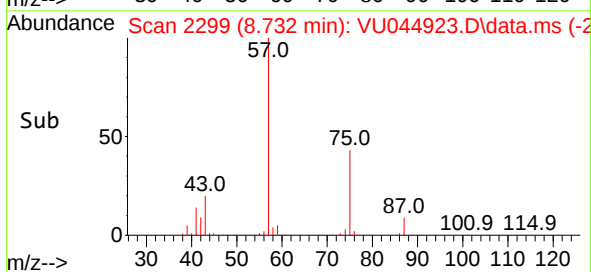
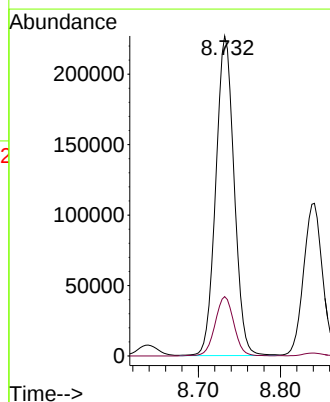
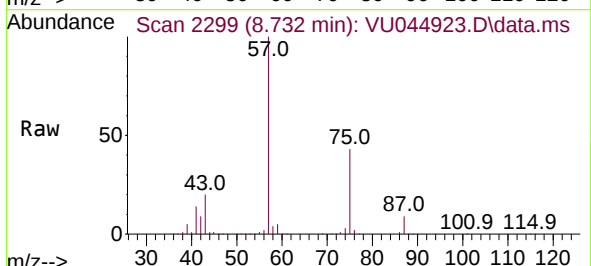
Acq: 28 Sep 2021 05:48

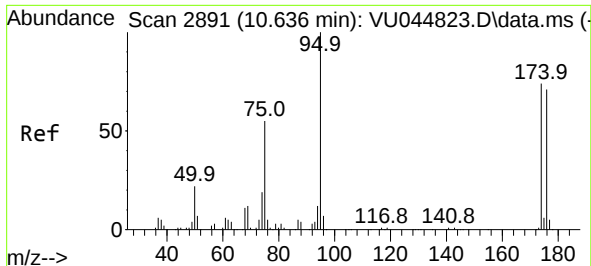
Tgt Ion: 43 Resp: 352882

Ion Ratio Lower Upper

43 100

58 19.1 28.0 84.0#

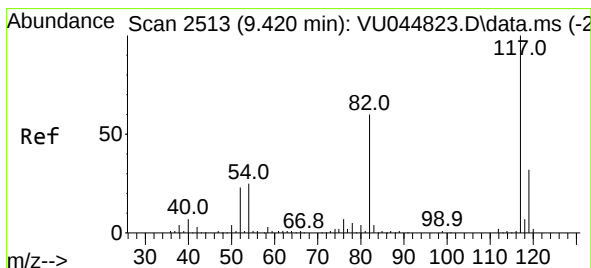
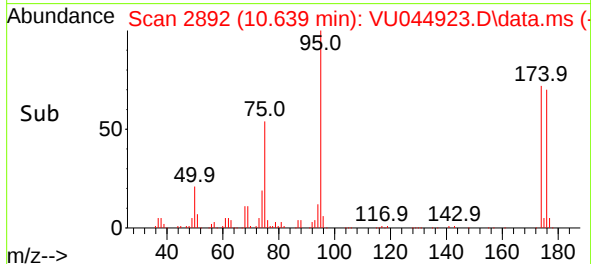
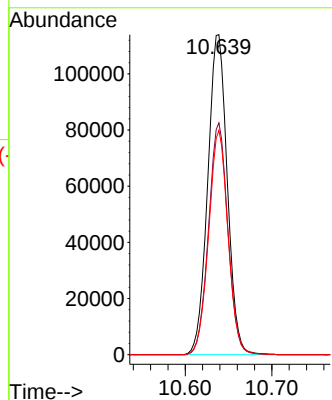
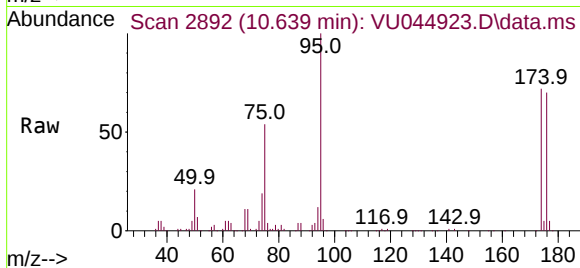




#62
4-Bromofluorobenzene
Concen: 53.973 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.003 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

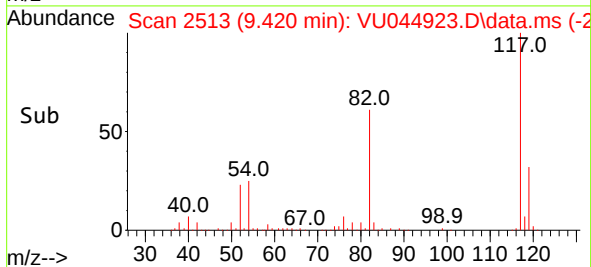
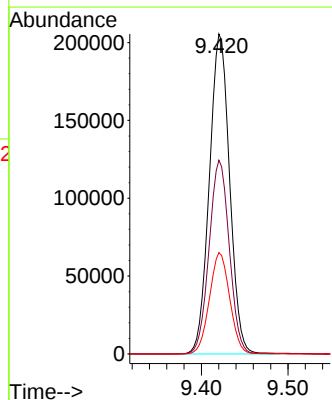
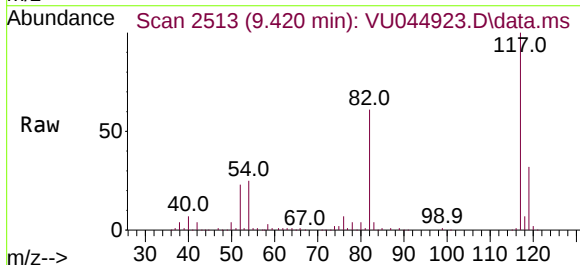
Instrument :
MSVOA_U
ClientSampleId :
TP-1-S

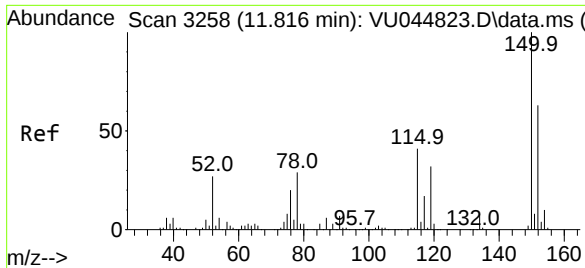
Tgt Ion: 95 Resp: 178721
Ion Ratio Lower Upper
95 100
174 71.6 0.0 146.6
176 69.1 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion: 117 Resp: 334351
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 31.7 25.8 38.6

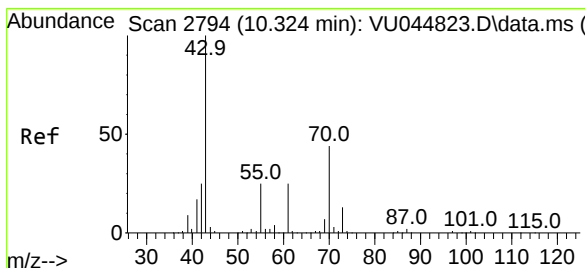
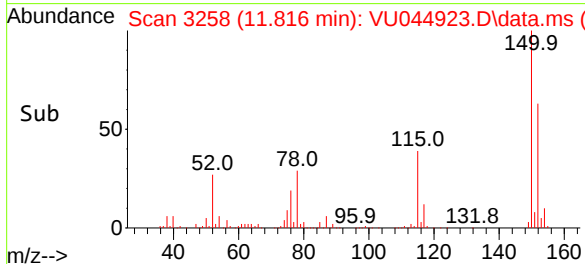
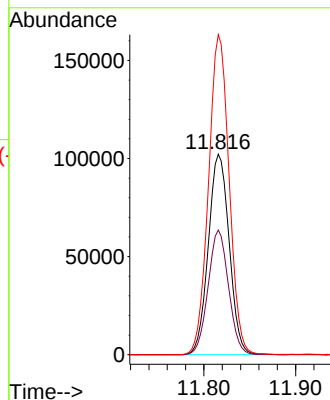
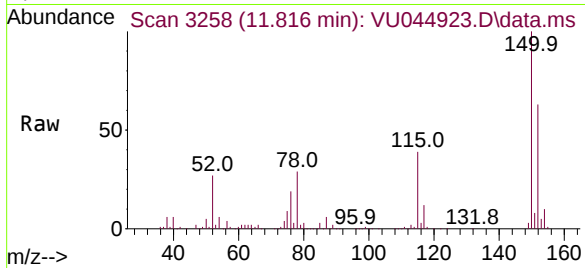




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

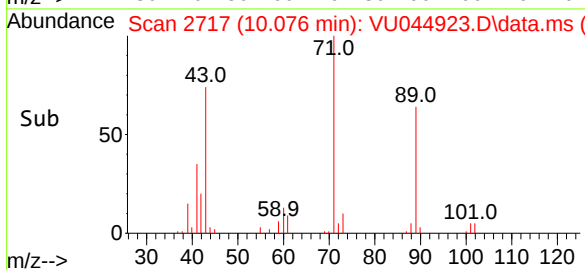
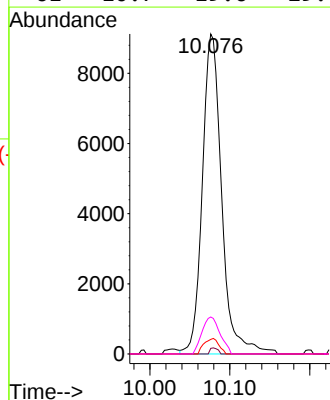
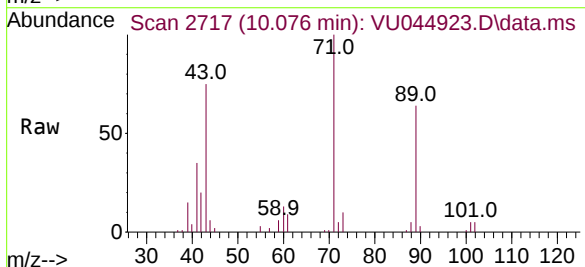
Instrument :
MSVOA_U
ClientSampled :
TP-1-S

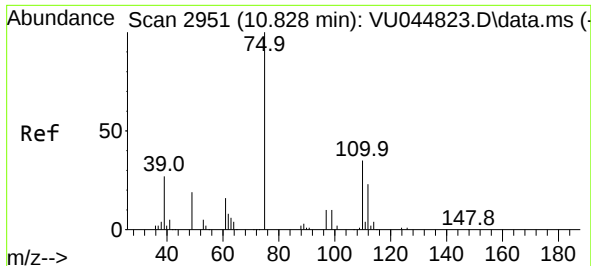
Tgt Ion:152 Resp: 161563
Ion Ratio Lower Upper
152 100
115 60.9 43.5 130.7
150 157.5 0.0 350.0



#74
N-ethyl acetate
Concen: 2.631 ug/l
RT: 10.076 min Scan# 2717
Delta R.T. -0.248 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

Tgt Ion: 43 Resp: 15375
Ion Ratio Lower Upper
43 100
70 0.7 35.1 52.7#
55 3.7 20.5 30.7#
61 10.7 19.6 29.4#

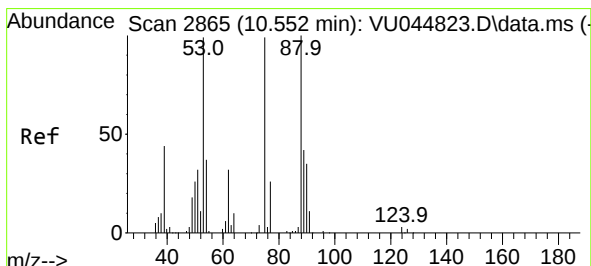
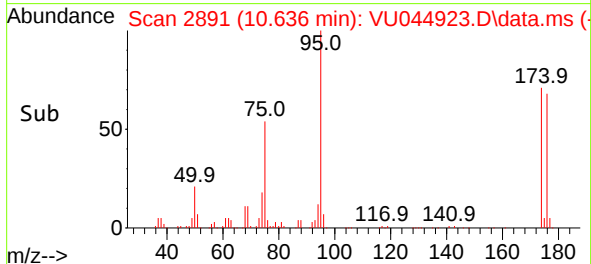
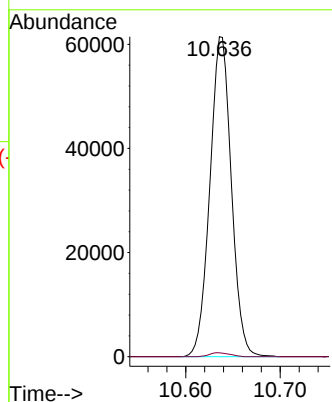
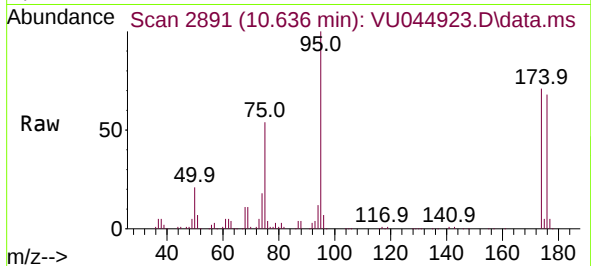




#76
1,2,3-Trichloropropane
Concen: 19.803 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

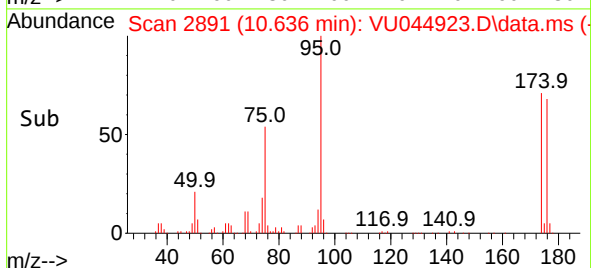
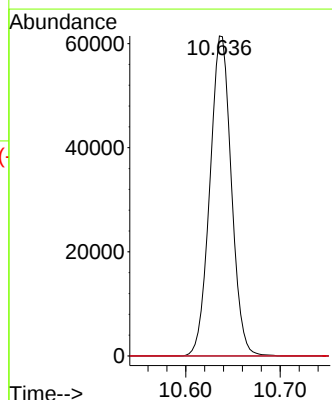
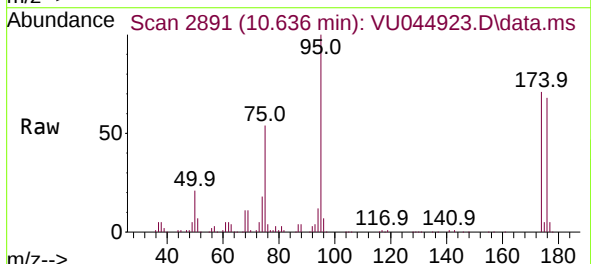
Instrument :
MSVOA_U
ClientSampled :
TP-1-S

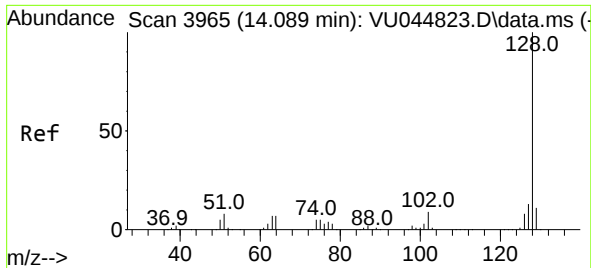
Tgt Ion: 75 Resp: 96886
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.152 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044923.D
Acq: 28 Sep 2021 05:48

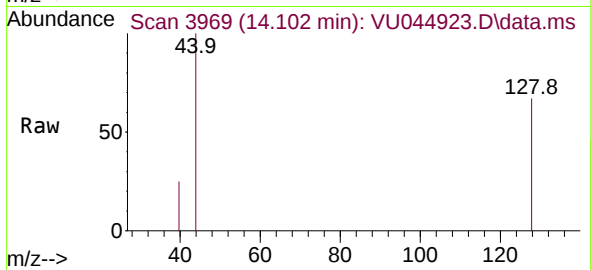
Tgt Ion: 75 Resp: 96886
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#





#95
 Naphthalene
 Concen: 0.989 ug/l
 RT: 14.102 min Scan# 3969
 Delta R.T. 0.013 min
 Lab File: VU044923.D
 Acq: 28 Sep 2021 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-1-S



Tgt Ion:128 Resp: 575
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.6 13.0#

