

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044896.D
 Acq On : 27 Sep 2021 18:06
 Operator : SY/MD
 Sample : M3888-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 40459

Quant Time: Sep 27 18:52:35 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)

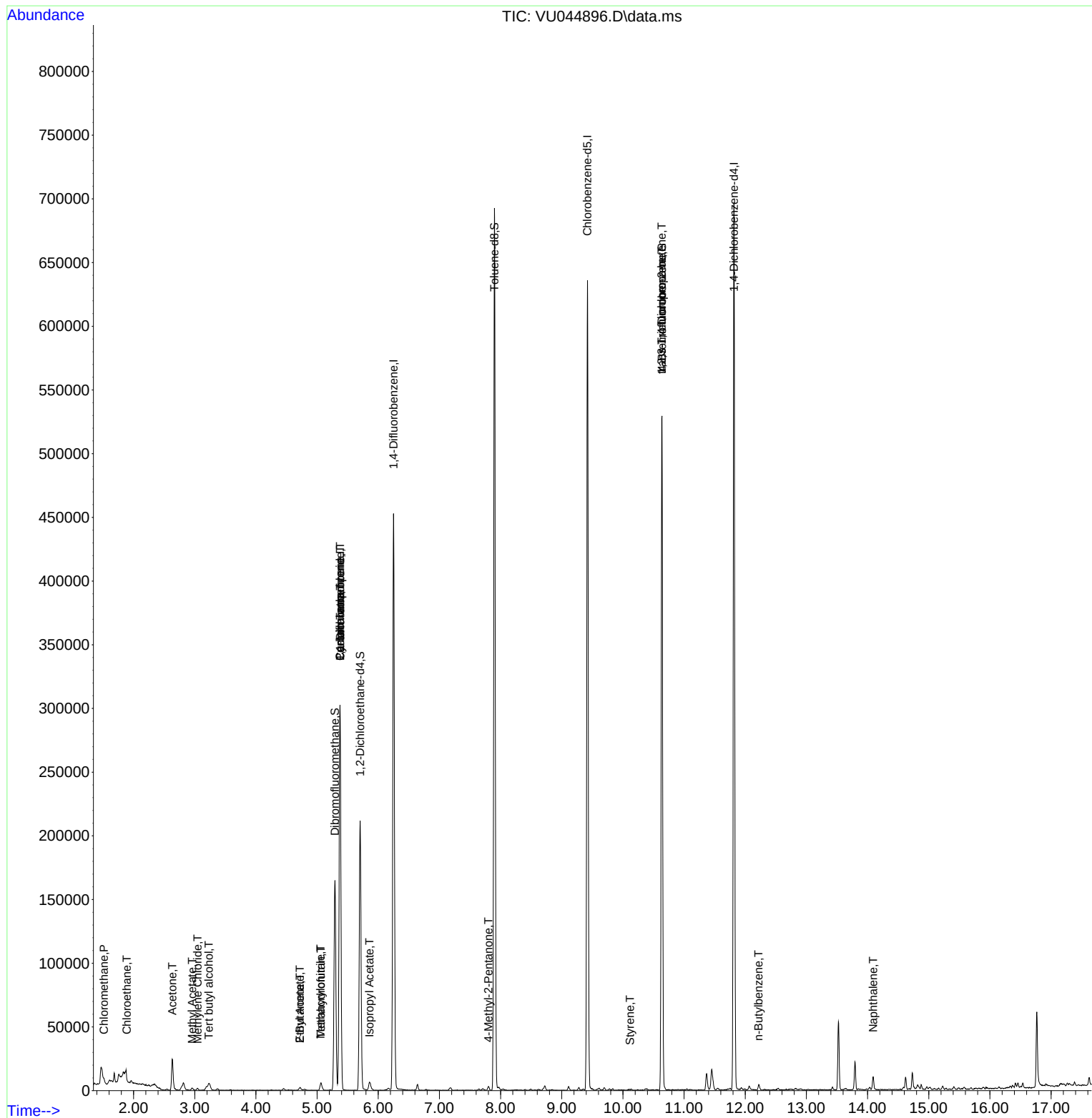
Internal Standards						
1) Pentafluorobenzene	5.375	168	195665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	346741	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	327879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	167507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	157231	46.043	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.080%	
35) Dibromofluoromethane	5.292	113	105669	44.423	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.840%	
50) Toluene-d8	7.899	98	436746	48.615	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.220%	
62) 4-Bromofluorobenzene	10.639	95	175421	52.572	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.140%	
Target Compounds						Qvalue
3) Chloromethane	1.517	50	747	0.210	ug/l #	81
5) Bromomethane	1.832	94	652	Below Cal		99
6) Chloroethane	1.890	64	1842	0.460	ug/l #	59
11) Tert butyl alcohol	3.227	59	11463	11.501	ug/l	95
13) Acrolein	2.485	56	19	Below Cal	#	14
16) Acetone	2.632	43	28507	14.799	ug/l	99
18) Methyl Acetate	2.957	43	2532	0.393	ug/l #	87
20) Methylene Chloride	3.044	84	670	0.215	ug/l #	95
25) 2-Butanone	4.719	43	4140	1.417	ug/l	99
29) Tetrahydrofuran	5.063	42	4022	2.187	ug/l	96
31) Cyclohexane	5.375	56	5493	1.120	ug/l #	4
36) 1,1-Dichloropropene	5.375	75	19006	5.166	ug/l #	49
37) Ethyl Acetate	4.719	43	4140	0.767	ug/l #	69
38) Carbon Tetrachloride	5.375	117	20436	6.213	ug/l #	15
41) Methacrylonitrile	5.060	41	2550	0.946	ug/l #	44
43) Isopropyl Acetate	5.857	43	1875	0.248	ug/l #	61
51) 4-Methyl-2-Pentanone	7.803	43	1877	0.349	ug/l	96
70) Styrene	10.118	104	95	1.022	ug/l #	25
76) 1,2,3-Trichloropropane	10.635	75	95326	18.793	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	95326	60.879	ug/l #	9
89) n-Butylbenzene	12.217	91	150	1.289	ug/l #	33
95) Naphthalene	14.092	128	8525	1.594	ug/l	99

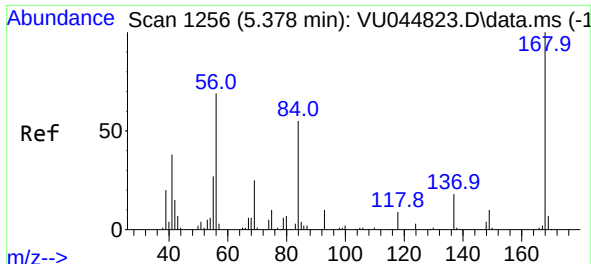
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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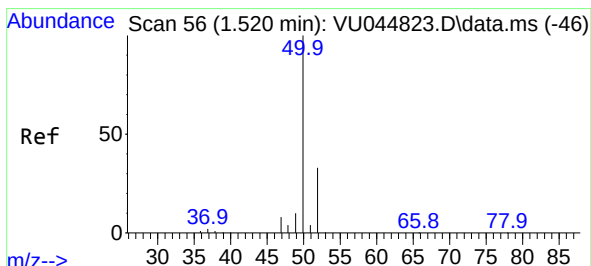
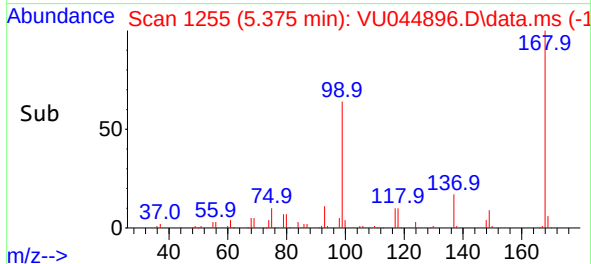
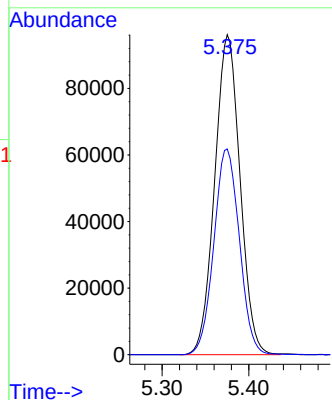
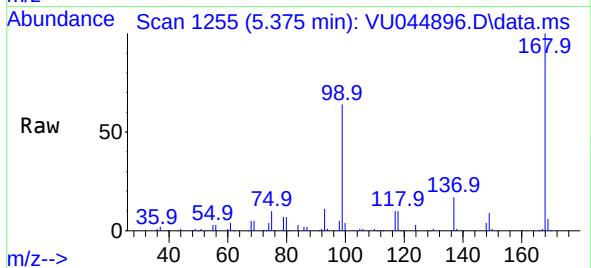




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

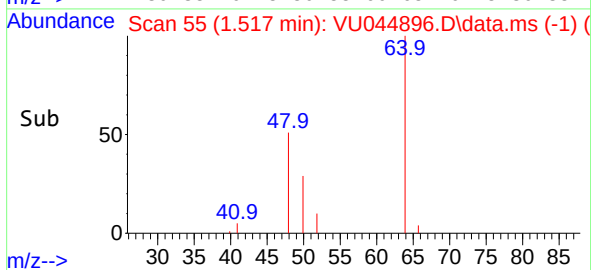
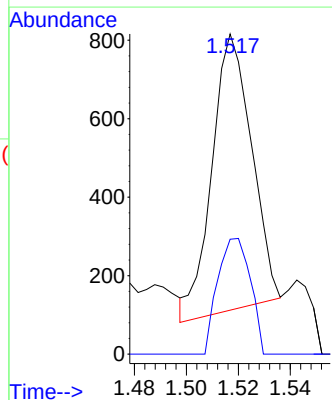
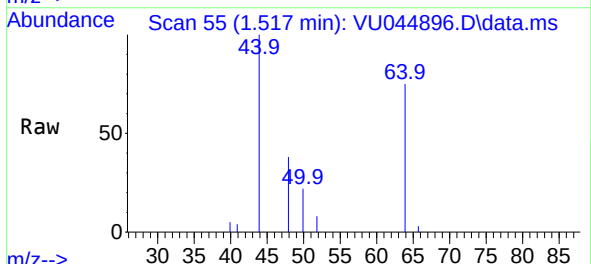
Instrument :
MSVOA_U
ClientSampled :
40459

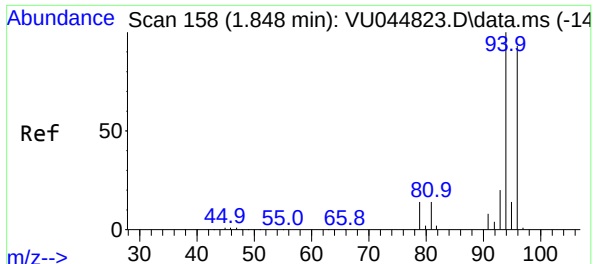
Tgt Ion:168 Resp: 195665
Ion Ratio Lower Upper
168 100
99 64.3 51.4 77.0



#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Tgt Ion: 50 Resp: 747
Ion Ratio Lower Upper
50 100
52 43.5 26.3 39.5#

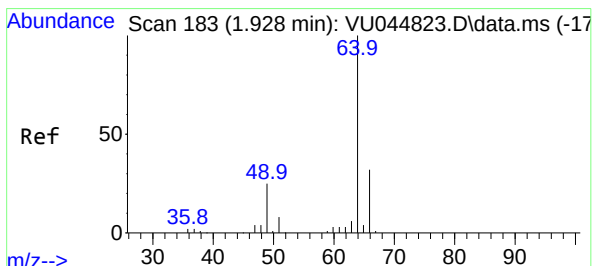
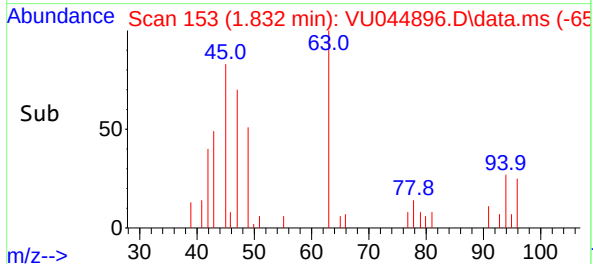
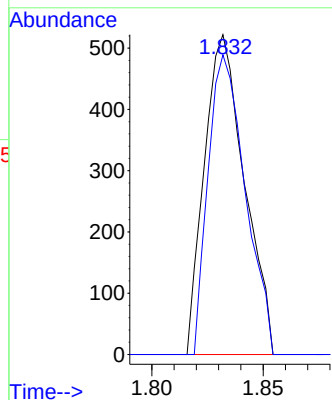
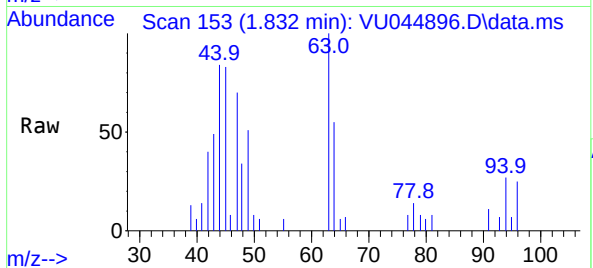




#5
Bromomethane
Concen: Below Cal
RT: 1.832 min Scan# 153
Delta R.T. -0.016 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

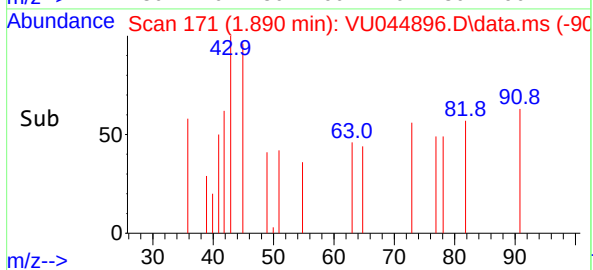
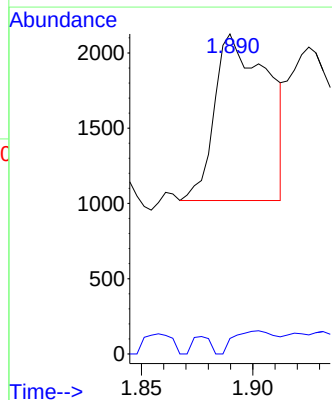
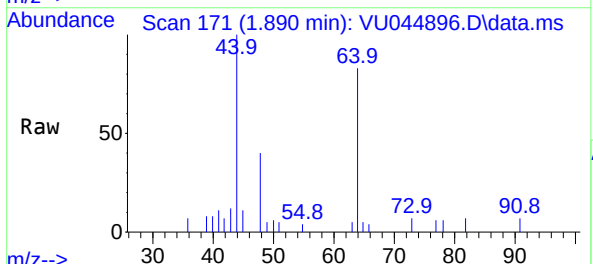
Instrument :
MSVOA_U
ClientSampled :
40459

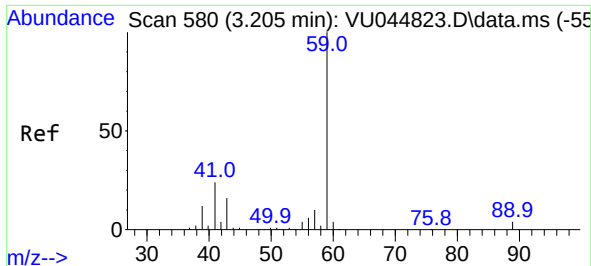
Tgt Ion: 94 Resp: 652
Ion Ratio Lower Upper
94 100
96 93.7 74.5 111.7



#6
Chloroethane
Concen: 0.460 ug/l
RT: 1.890 min Scan# 171
Delta R.T. -0.038 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Tgt Ion: 64 Resp: 1842
Ion Ratio Lower Upper
64 100
66 9.3 25.8 38.8#

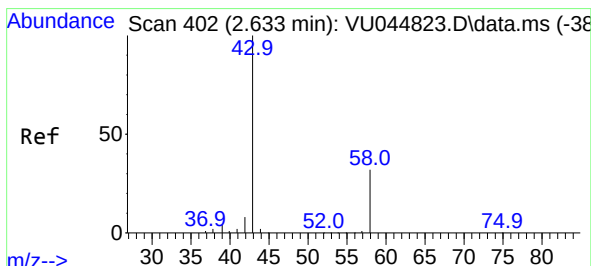
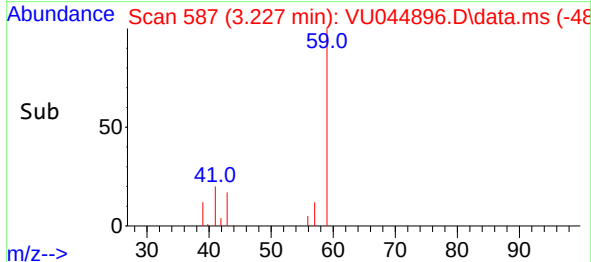
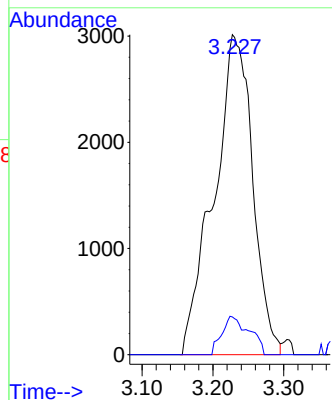
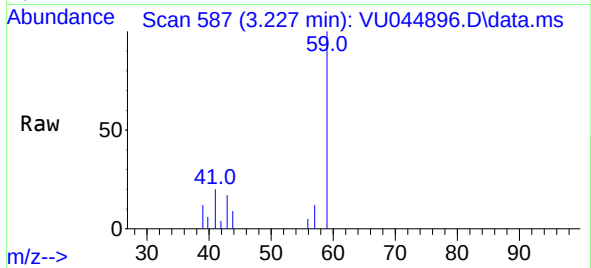




#11
Tert butyl alcohol
Concen: 11.501 ug/l
RT: 3.227 min Scan# 587
Delta R.T. 0.022 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

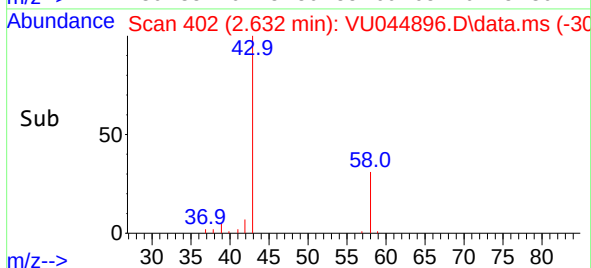
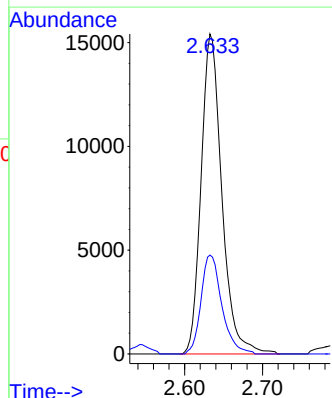
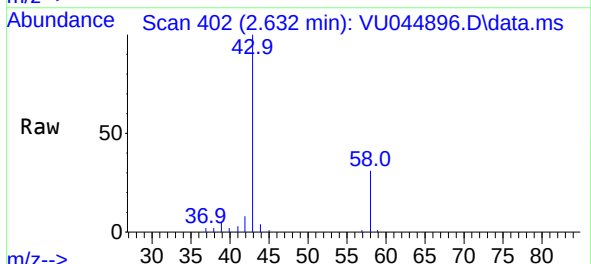
Instrument :
MSVOA_U
ClientSampled :
40459

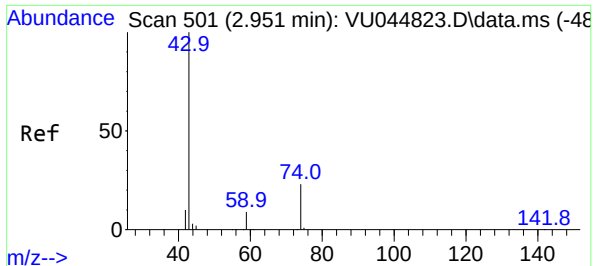
Tgt Ion: 59 Resp: 11463
Ion Ratio Lower Upper
59 100
57 8.5 8.3 12.5



#16
Acetone
Concen: 14.799 ug/l
RT: 2.632 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Tgt Ion: 43 Resp: 28507
Ion Ratio Lower Upper
43 100
58 30.9 25.2 37.8





#18

Methyl Acetate

Concen: 0.393 ug/l

RT: 2.957 min Scan# 503

Delta R.T. 0.006 min

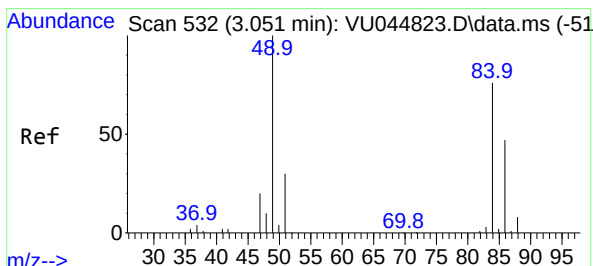
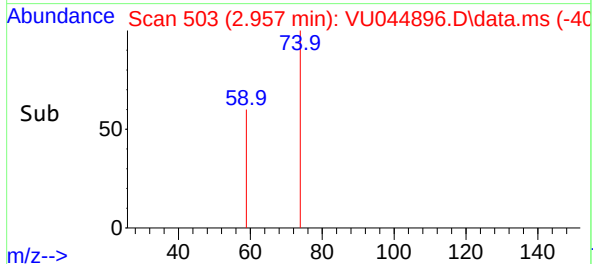
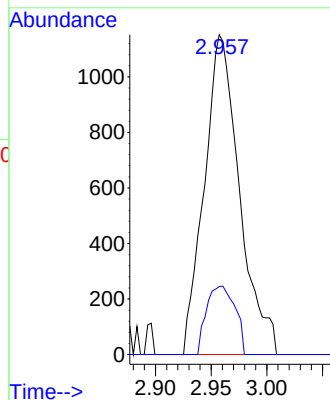
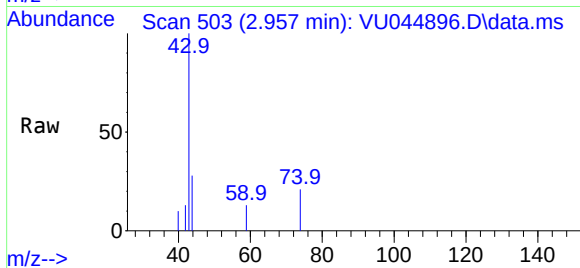
Lab File: VU044896.D

Acq: 27 Sep 2021 18:06

Instrument :
MSVOA_U
ClientSampled :
40459

Tgt Ion: 43 Resp: 2532

Ion	Ratio	Lower	Upper
43	100		
74	17.3	19.0	28.6#



#20

Methylene Chloride

Concen: 0.215 ug/l

RT: 3.044 min Scan# 530

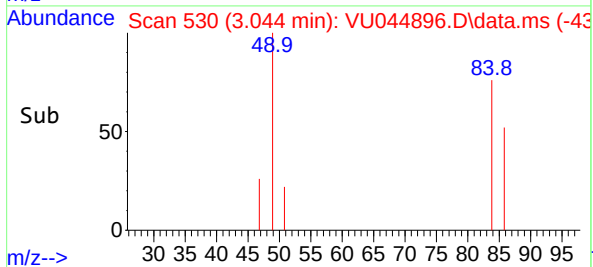
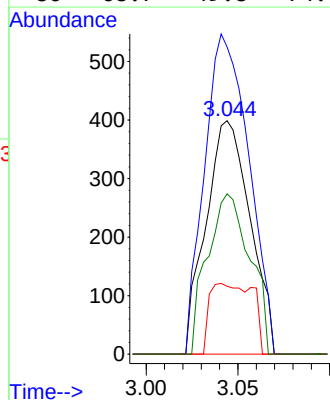
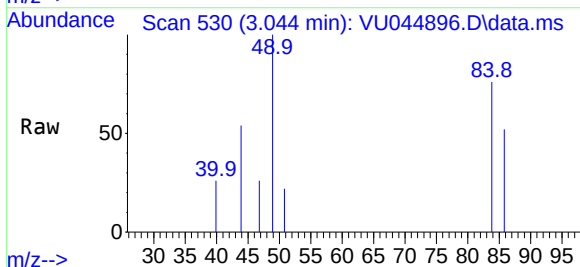
Delta R.T. -0.007 min

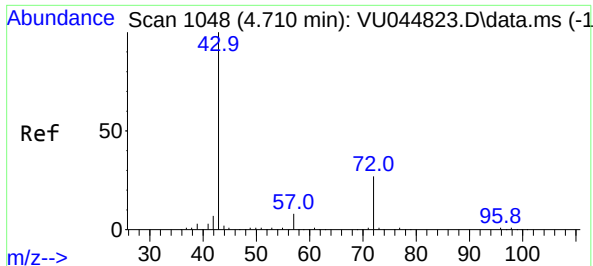
Lab File: VU044896.D

Acq: 27 Sep 2021 18:06

Tgt Ion: 84 Resp: 670

Ion	Ratio	Lower	Upper
84	100		
49	131.6	104.9	157.3
51	29.1	31.8	47.8#
86	68.7	49.8	74.6

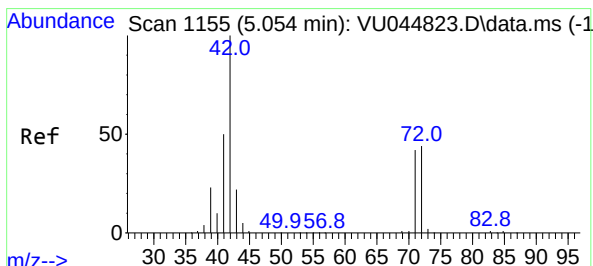
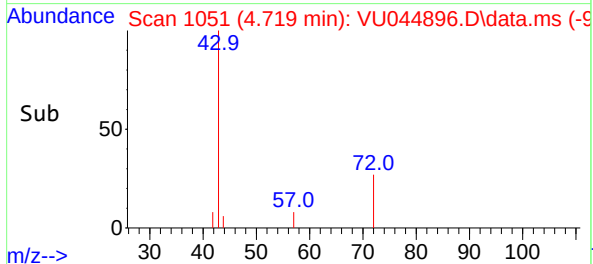
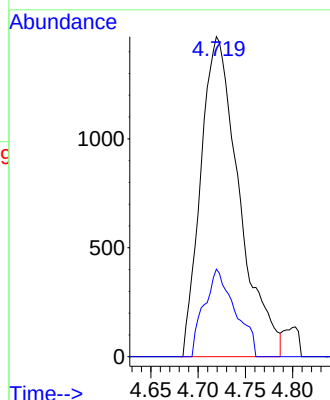
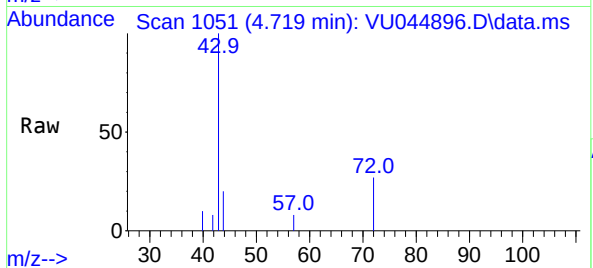




#25
2-Butanone
Concen: 1.417 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.010 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

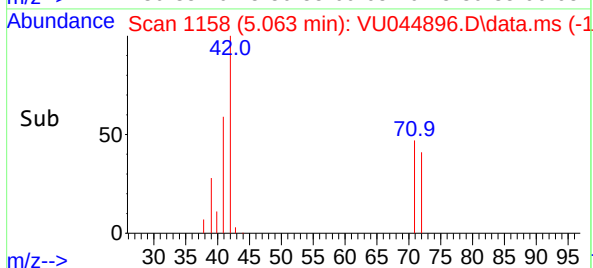
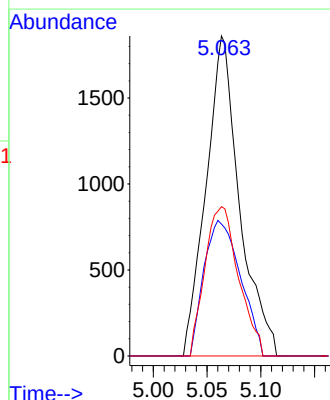
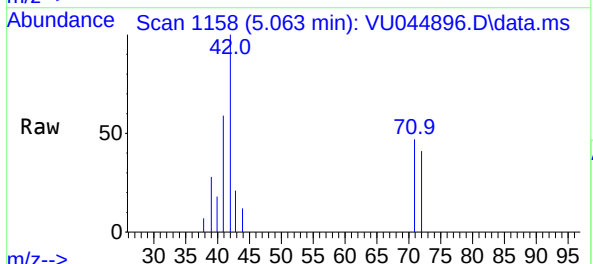
Instrument :
MSVOA_U
ClientSampled :
40459

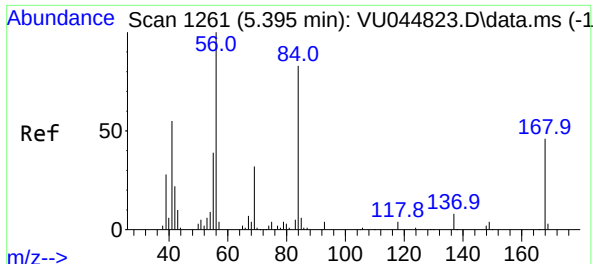
Tgt Ion: 43 Resp: 4140
Ion Ratio Lower Upper
43 100
72 27.4 21.3 31.9



#29
Tetrahydrofuran
Concen: 2.187 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.010 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Tgt Ion: 42 Resp: 4022
Ion Ratio Lower Upper
42 100
72 46.3 36.2 54.4
71 46.9 34.1 51.1





#31

Cyclohexane

Concen: 1.120 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.019 min

Lab File: VU044896.D

Acq: 27 Sep 2021 18:06

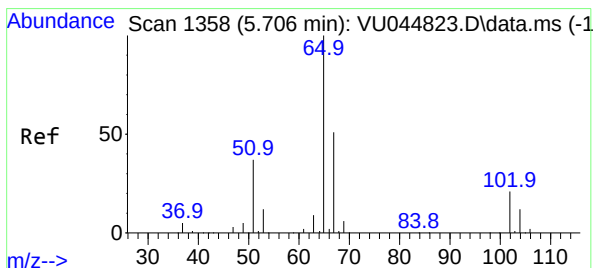
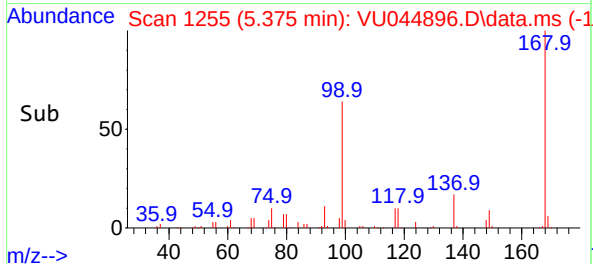
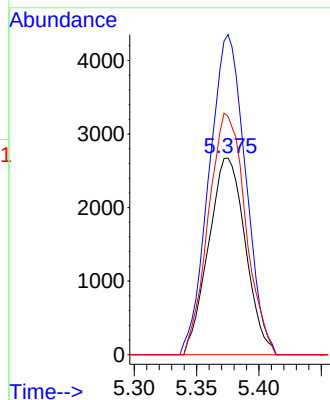
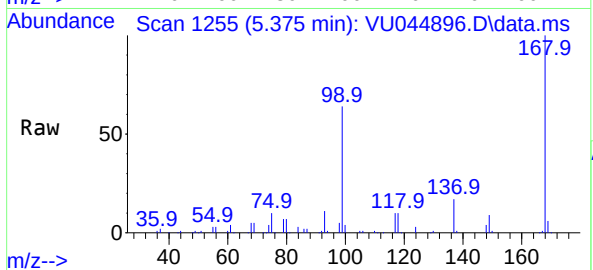
Tgt Ion: 56 Resp: 5493

Ion Ratio Lower Upper

56 100

69 162.7 25.2 37.8#

84 121.2 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 46.043 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. -0.003 min

Lab File: VU044896.D

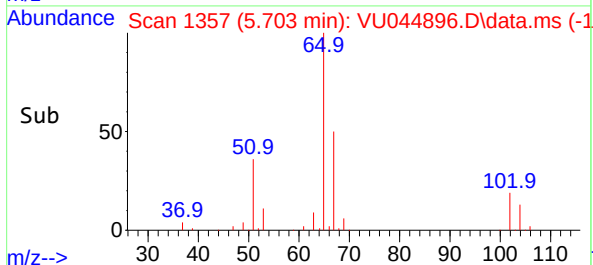
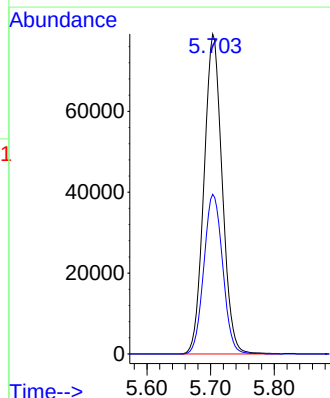
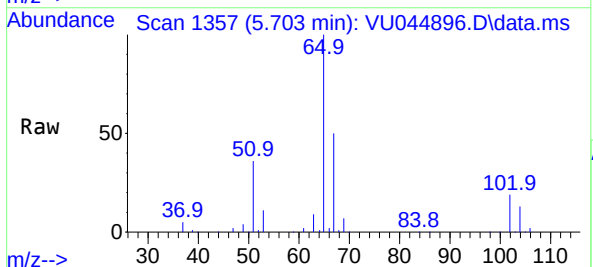
Acq: 27 Sep 2021 18:06

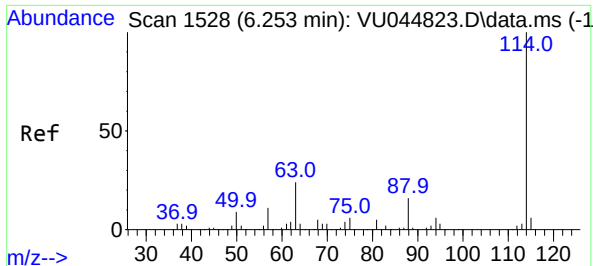
Tgt Ion: 65 Resp: 157231

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.8



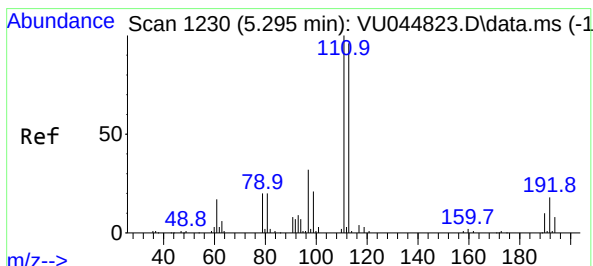
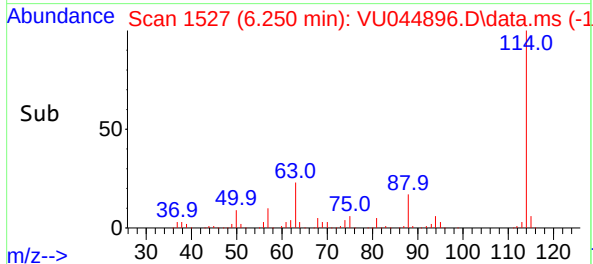
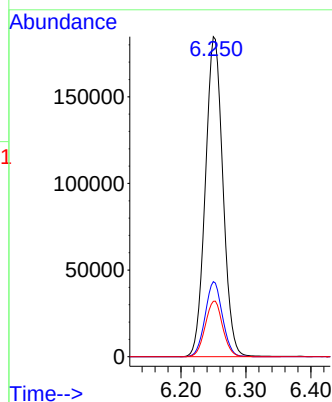
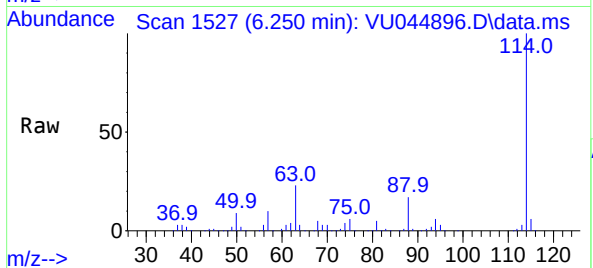


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Instrument :
MSVOA_U
ClientSampled :
40459

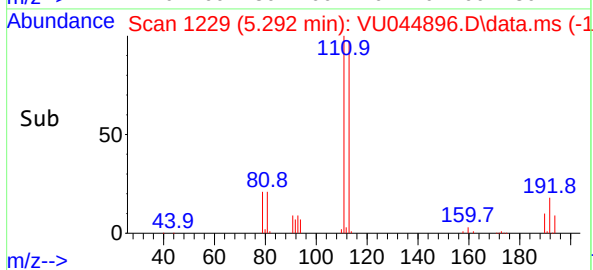
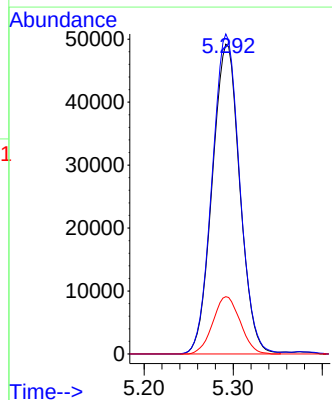
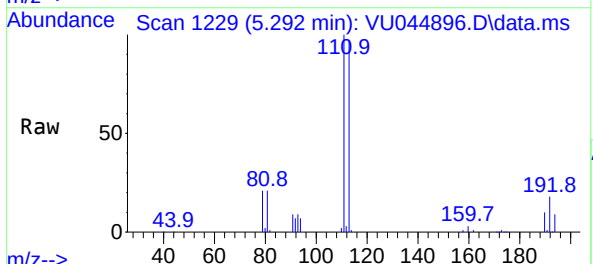
Tgt Ion:114 Resp: 346741
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.8
88 17.3 0.0 32.8

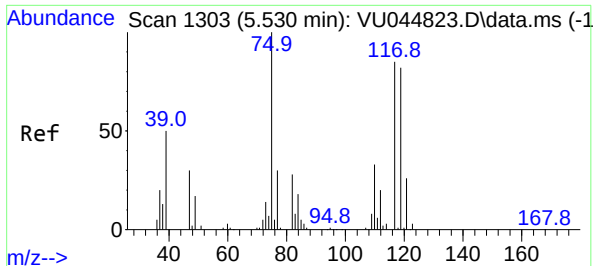


#35

Dibromofluoromethane
Concen: 44.423 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.003 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

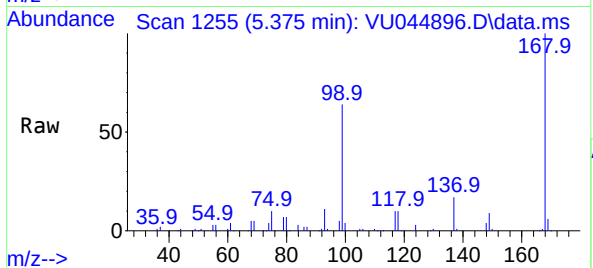
Tgt Ion:113 Resp: 105669
Ion Ratio Lower Upper
113 100
111 103.2 84.1 126.1
192 18.4 14.8 22.2



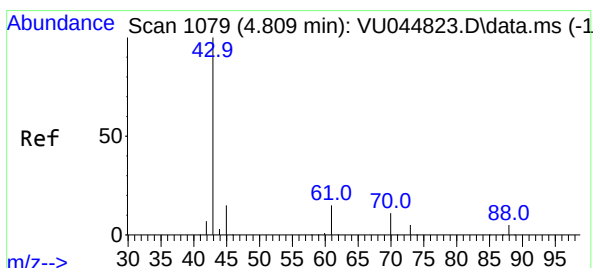
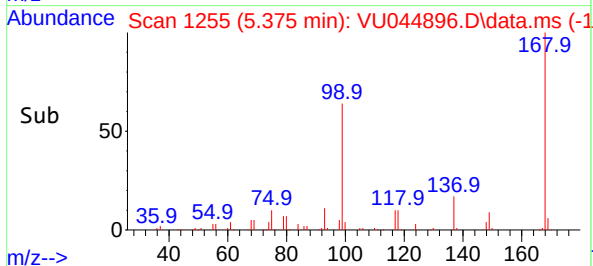
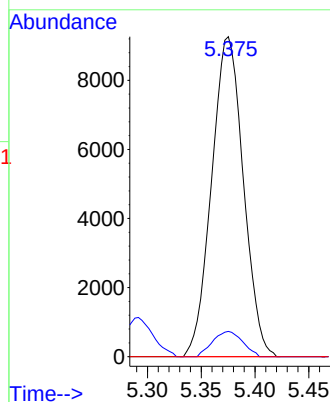


#36
1,1-Dichloropropene
Concen: 5.166 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Instrument :
MSVOA_U
ClientSampled :
40459

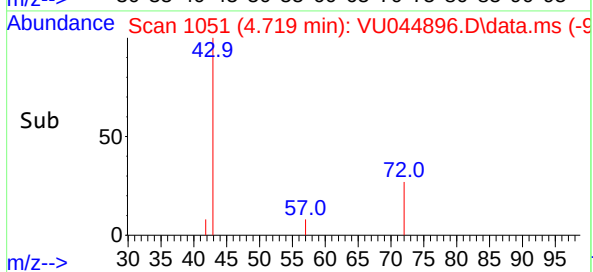
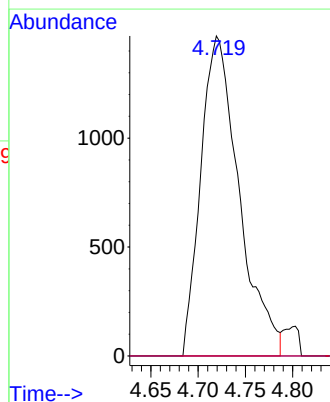
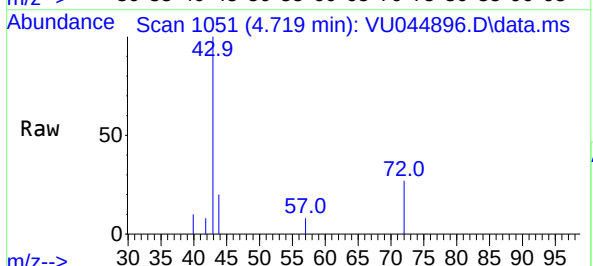


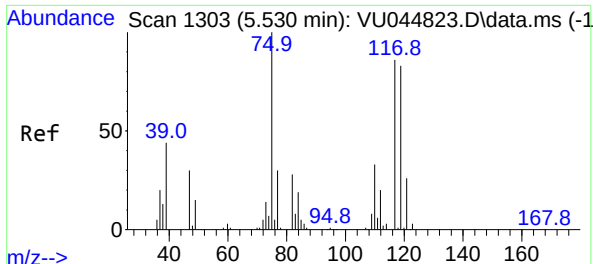
Tgt Ion: 75 Resp: 19006
Ion Ratio Lower Upper
75 100
110 7.5 16.3 48.9#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.767 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.090 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

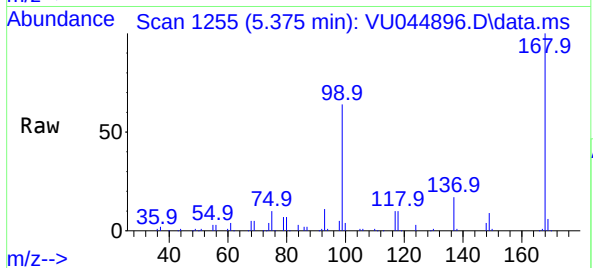
Tgt Ion: 43 Resp: 4140
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



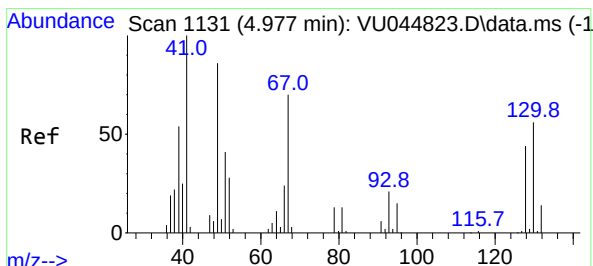
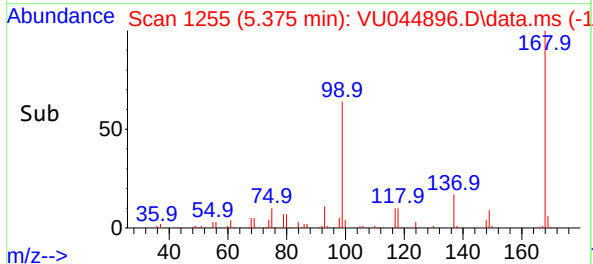
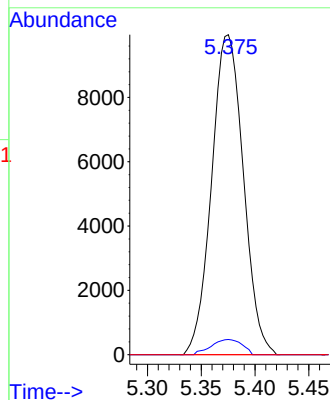


#38
Carbon Tetrachloride
Concen: 6.213 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

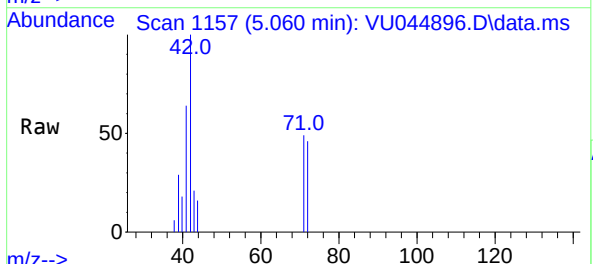
Instrument :
MSVOA_U
ClientSampled :
40459



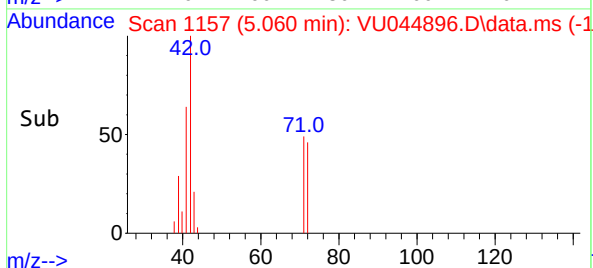
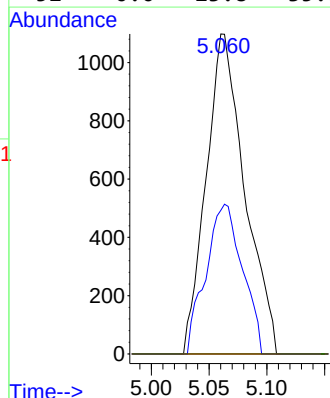
Tgt Ion:117 Resp: 20436
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.2#
121 0.0 24.5 36.7#

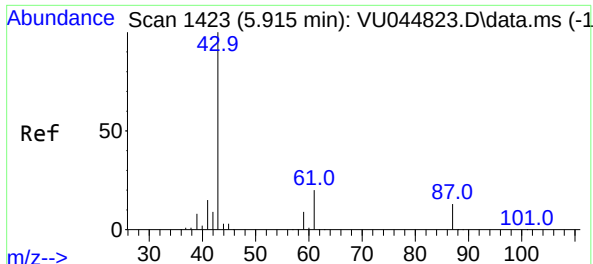


#41
Methacrylonitrile
Concen: 0.946 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.083 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06



Tgt Ion: 41 Resp: 2550
Ion Ratio Lower Upper
41 100
39 44.4 44.4 66.6
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#

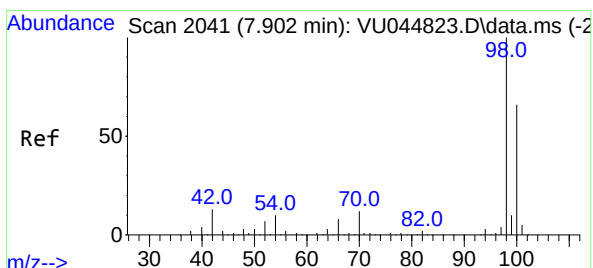
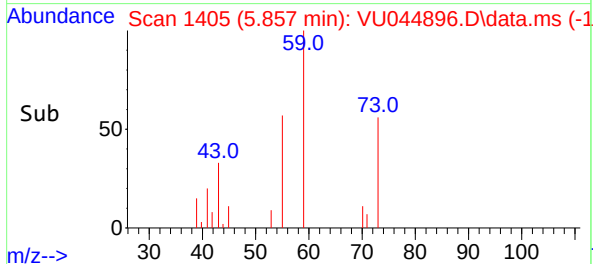
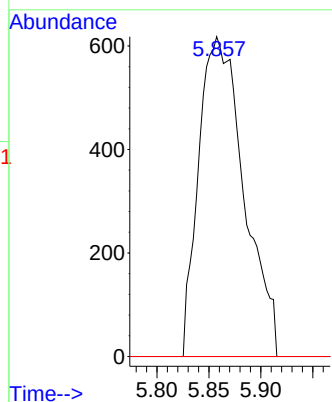
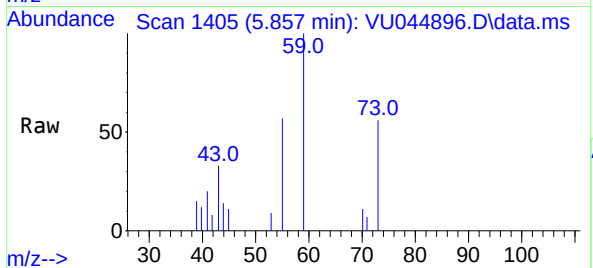




#43
Isopropyl Acetate
Concen: 0.248 ug/l
RT: 5.857 min Scan# 1405
Delta R.T. -0.058 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

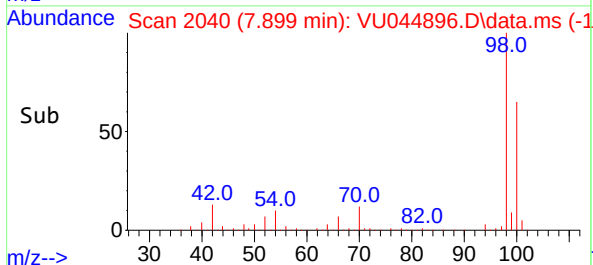
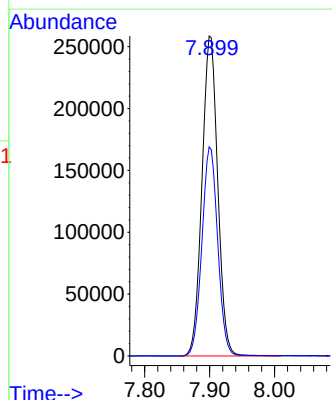
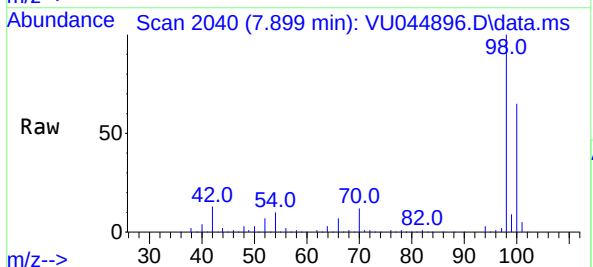
Instrument :
MSVOA_U
ClientSampled :
40459

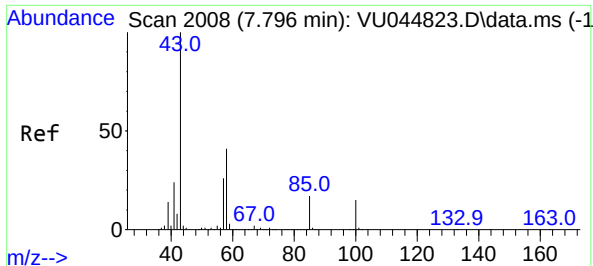
Tgt Ion: 43 Resp: 1875
Ion Ratio Lower Upper
43 100
61 0.0 16.1 24.1#
87 0.0 10.3 15.5#



#50
Toluene-d8
Concen: 48.615 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Tgt Ion: 98 Resp: 436746
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

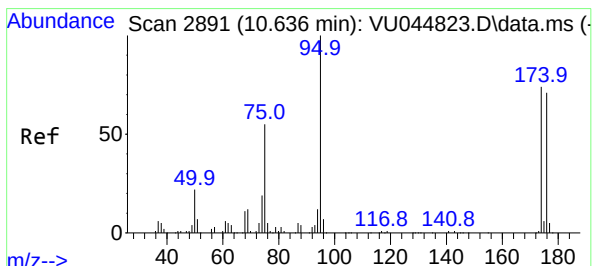
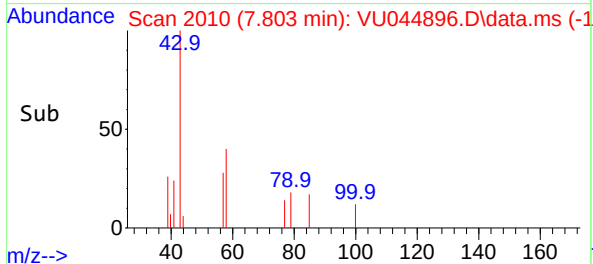
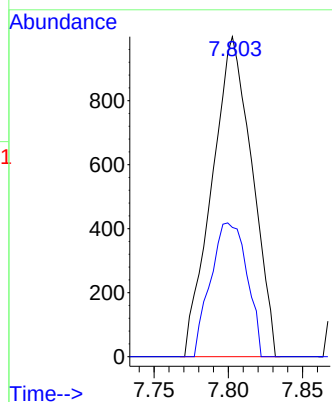
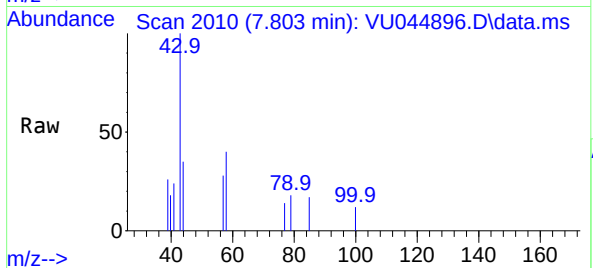




#51
4-Methyl-2-Pentanone
Concen: 0.349 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.006 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

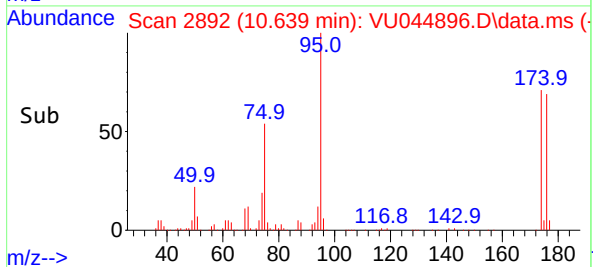
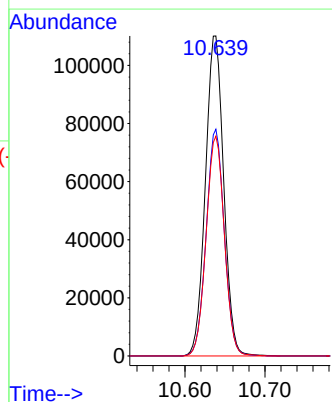
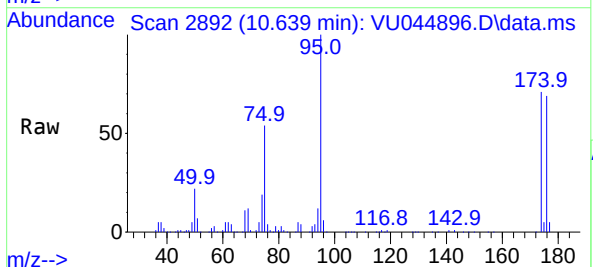
Instrument :
MSVOA_U
ClientSampled :
40459

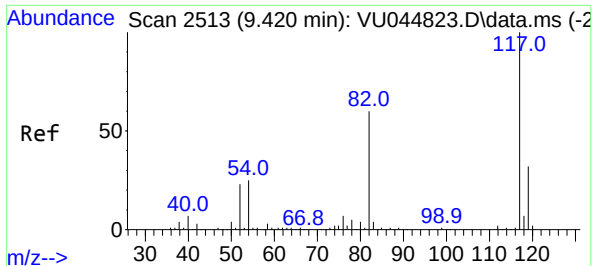
Tgt Ion: 43 Resp: 1877
Ion Ratio Lower Upper
43 100
58 37.8 32.4 48.6



#62
4-Bromofluorobenzene
Concen: 52.572 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.003 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Tgt Ion: 95 Resp: 175421
Ion Ratio Lower Upper
95 100
174 69.9 0.0 146.6
176 68.5 0.0 141.2

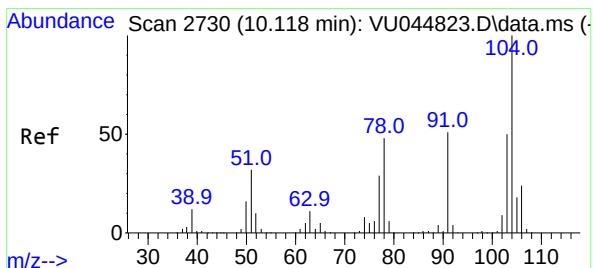
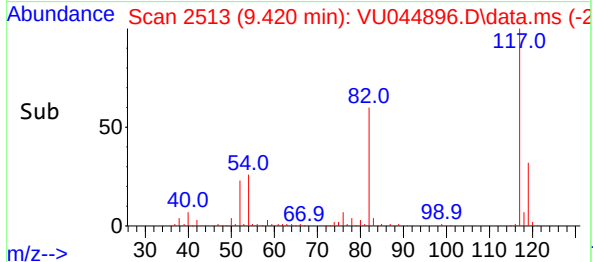
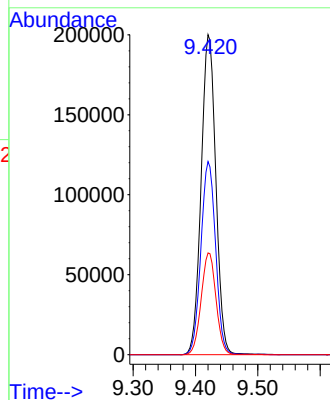
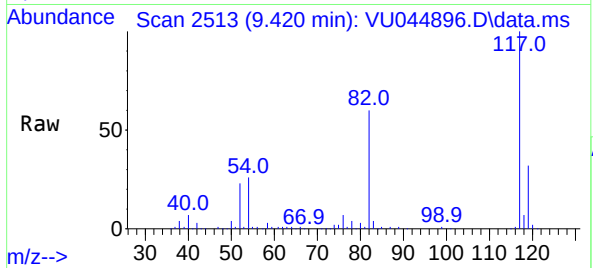




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

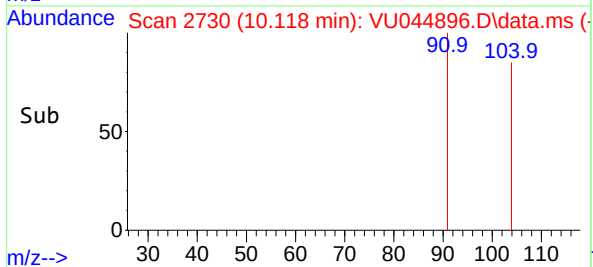
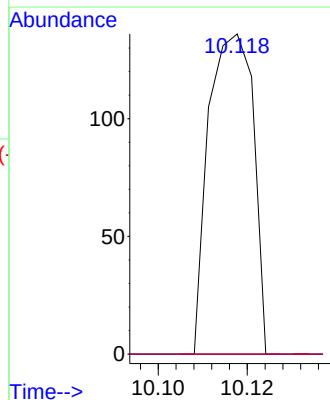
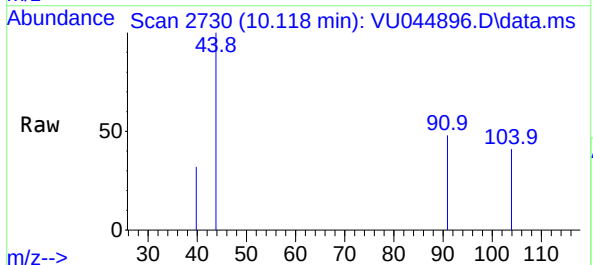
Instrument :
MSVOA_U
ClientSampled :
40459

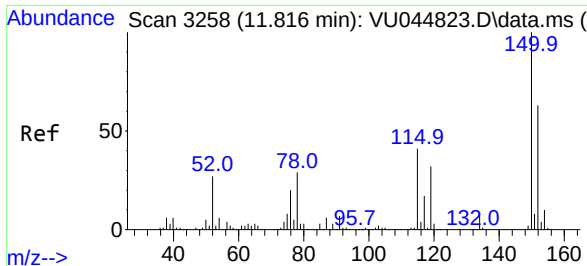
Tgt Ion:117 Resp: 327879
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 31.8 25.8 38.6



#70
Styrene
Concen: 1.022 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Tgt Ion:104 Resp: 95
Ion Ratio Lower Upper
104 100
78 0.0 41.4 62.0#
103 0.0 43.5 65.3#

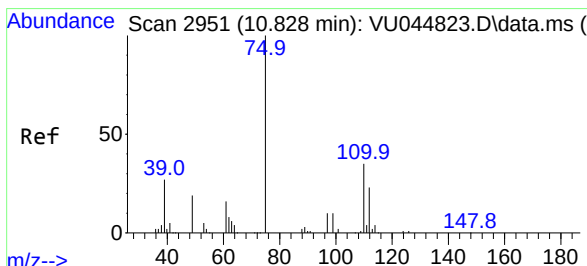
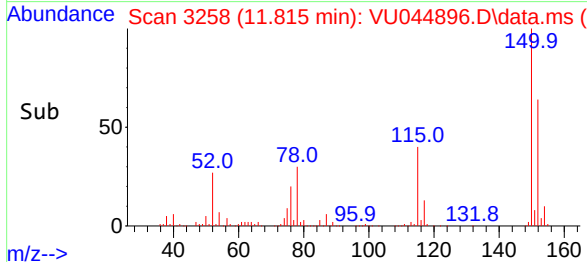
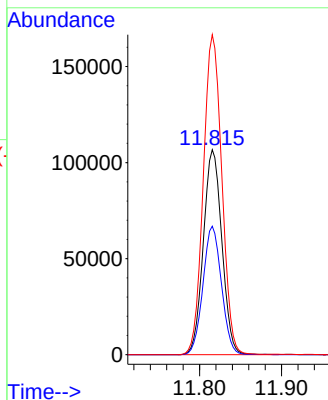
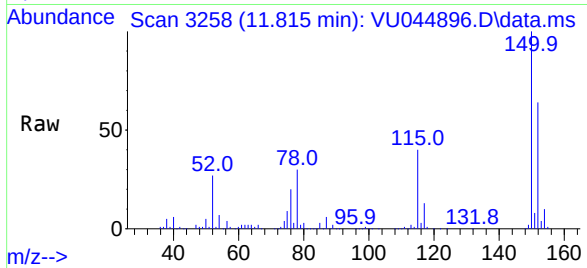




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

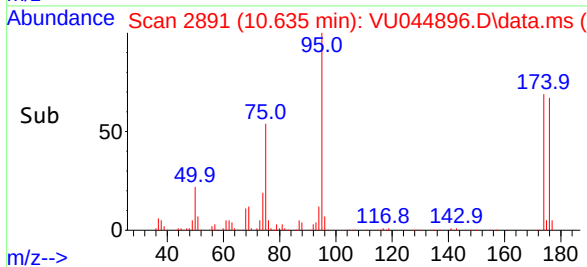
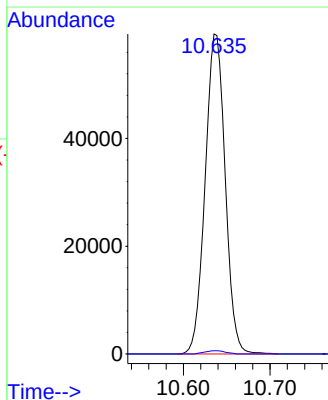
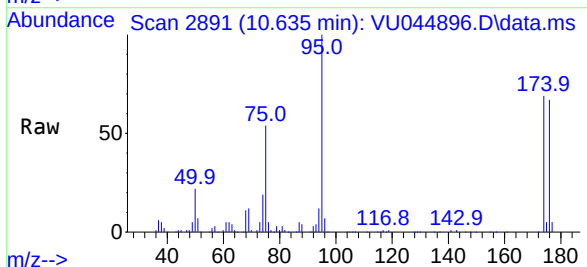
Instrument :
MSVOA_U
ClientSampled :
40459

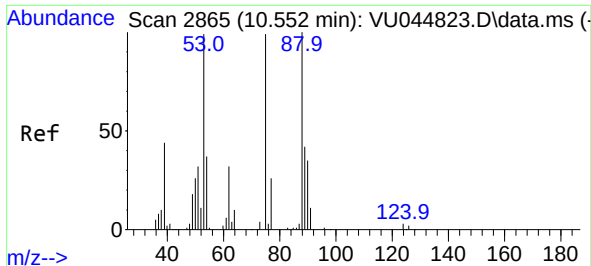
Tgt Ion:152 Resp: 167507
Ion Ratio Lower Upper
152 100
115 62.4 43.5 130.7
150 156.0 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 18.793 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Tgt Ion: 75 Resp: 95326
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#

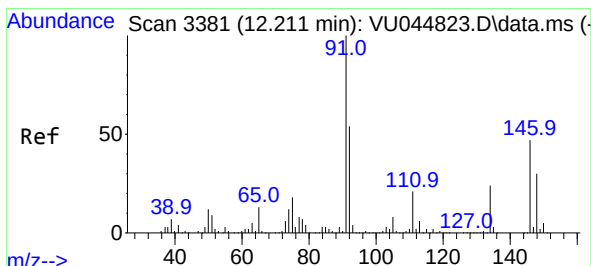
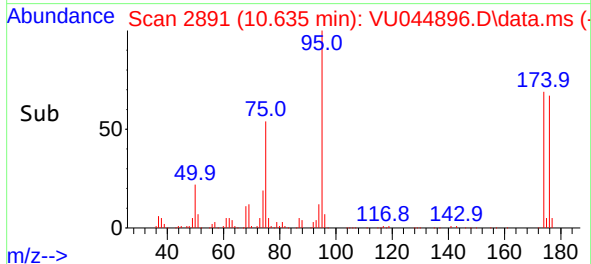
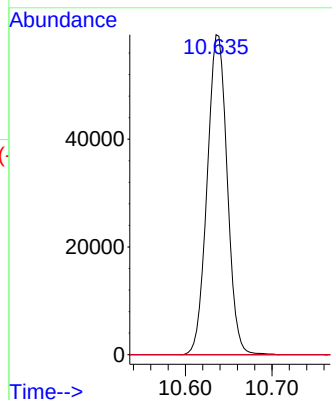
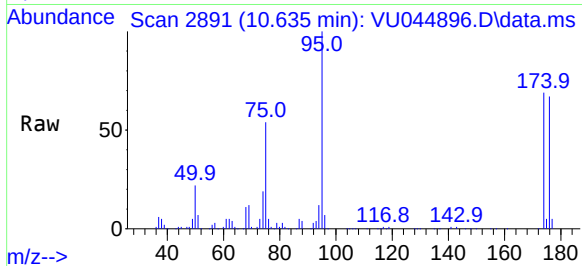




#81
trans-1,4-Dichloro-2-butene
Concen: 60.879 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

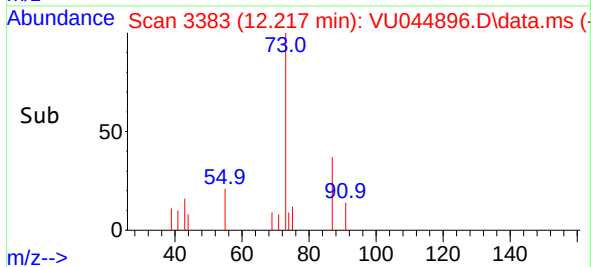
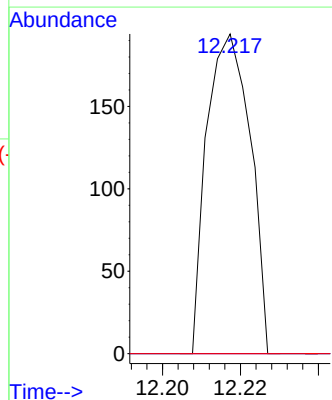
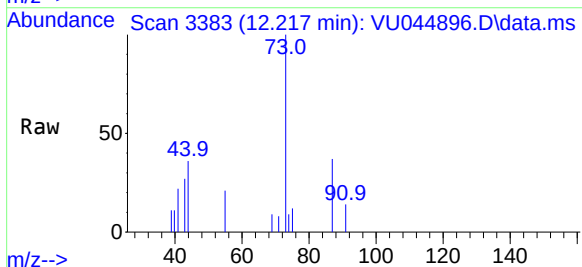
Instrument :
MSVOA_U
ClientSampled :
40459

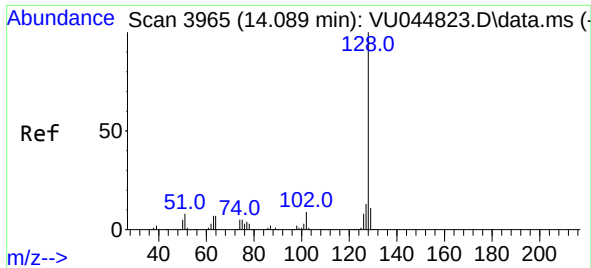
Tgt Ion: 75 Resp: 95326
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#89
n-Butylbenzene
Concen: 1.289 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.006 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

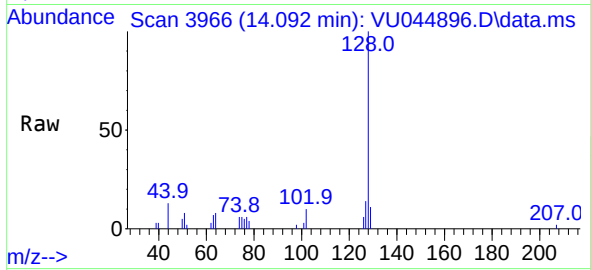
Tgt Ion: 91 Resp: 150
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.4#
134 0.0 11.8 35.4#





#95
Naphthalene
Concen: 1.594 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044896.D
Acq: 27 Sep 2021 18:06

Instrument :
MSVOA_U
ClientSampleId :
40459



Tgt Ion:	128	Resp:	8525
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.2	8.6	13.0

