

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060721\
 Data File : VU044081.D
 Acq On : 08 Jun 2021 01:21
 Operator : SY/MD
 Sample : M2580-28
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 18-B4(2-4)

Quant Time: Jun 08 05:48:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 05:21:34 2021
 Response via : Initial Calibration

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

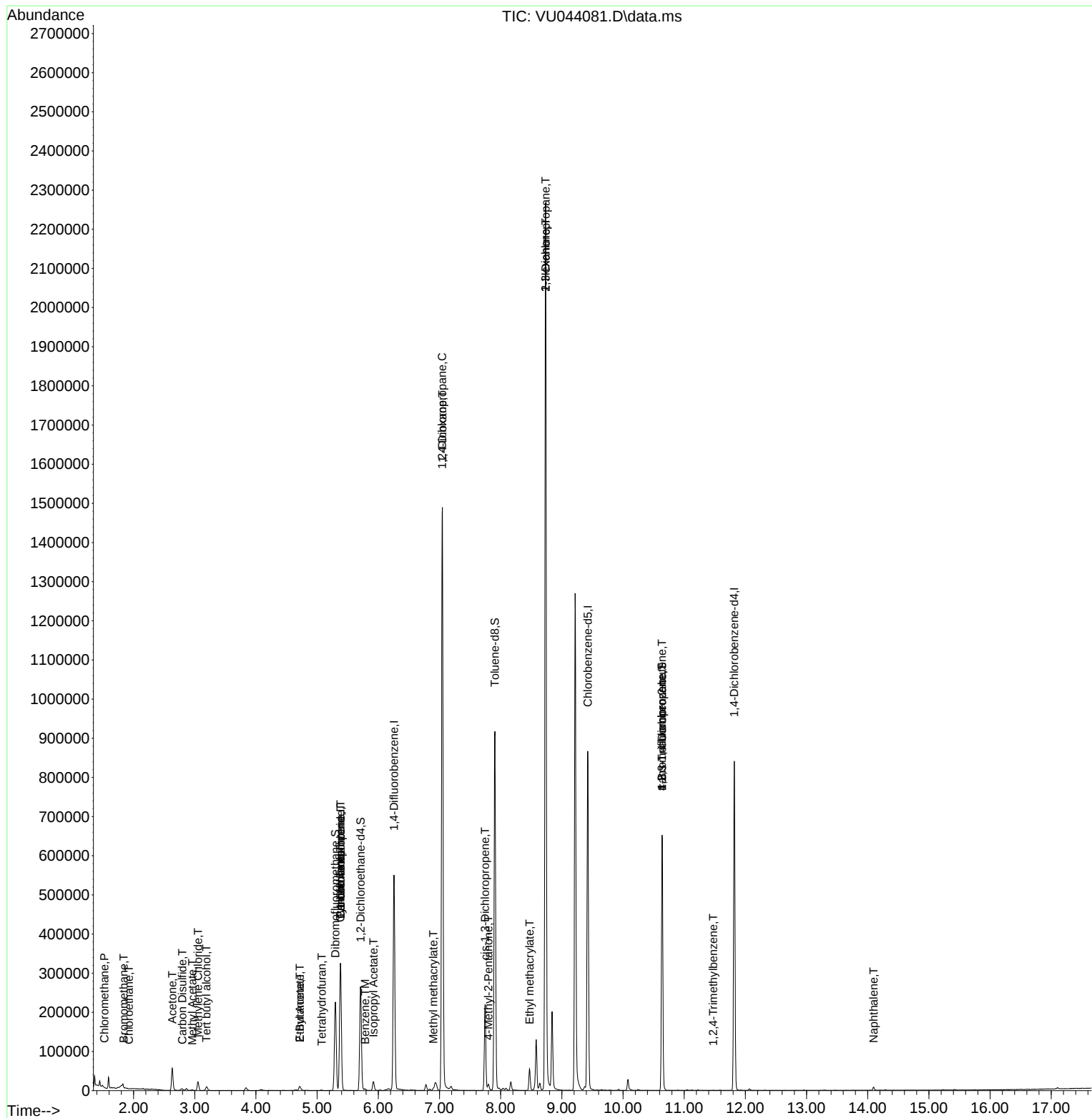
Internal Standards						
1) Pentafluorobenzene	5.382	168	210838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	421980	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	447571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	205814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	193567	52.716	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.440%	
35) Dibromofluoromethane	5.298	113	146857	48.768	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.540%	
50) Toluene-d8	7.906	98	586927	50.530	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.060%	
62) 4-Bromofluorobenzene	10.639	95	220653	47.981	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.960%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	998	0.229	ug/l	97
5) Bromomethane	1.838	94	409	0.253	ug/l	87
6) Chloroethane	1.922	64	526	0.220	ug/l #	43
11) Tert butyl alcohol	3.192	59	7118	7.819	ug/l #	72
16) Acetone	2.633	43	62505	29.494	ug/l	97
17) Carbon Disulfide	2.797	76	1988	0.230	ug/l #	75
18) Methyl Acetate	2.961	43	2422	0.518	ug/l #	85
20) Methylene Chloride	3.054	84	9674	1.392	ug/l #	88
25) 2-Butanone	4.716	43	16449	5.440	ug/l	99
29) Tetrahydrofuran	5.076	42	716	0.427	ug/l #	73
31) Cyclohexane	5.378	56	5093	1.005	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19276	4.055	ug/l #	50
37) Ethyl Acetate	4.716	43	16449	2.747	ug/l #	68
38) Carbon Tetrachloride	5.382	117	22702	5.285	ug/l #	18
40) Benzene	5.784	78	3408	0.238	ug/l	99
43) Isopropyl Acetate	5.922	43	23863	2.818	ug/l	99
45) 1,2-Dichloropropane	7.044	63	1880	0.481	ug/l #	42
48) Methyl methacrylate	6.899	41	8564	2.051	ug/l #	14
49) 1,4-Dioxane	7.047	88	84	0.818	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	9440	1.501	ug/l	100
54) cis-1,3-Dichloropropene	7.745	75	38195	6.570	ug/l #	66
56) Ethyl methacrylate	8.472	69	255	3.423	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	23080	3.605	ug/l #	42
59) 2-Hexanone	8.735	43	301890	61.770	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	114676	19.918	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	114676	58.159	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.475	105	421	0.980	ug/l	70
95) Naphthalene	14.095	128	7389	3.342	ug/l #	95

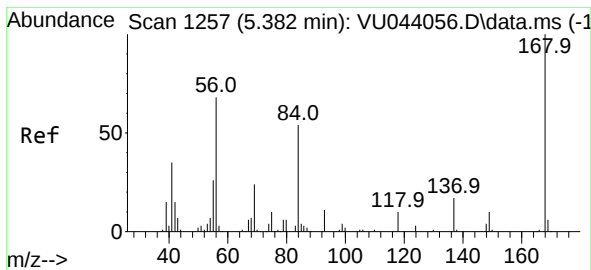
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060721\
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jun 08 05:48:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 08 05:21:34 2021
Response via : Initial Calibration

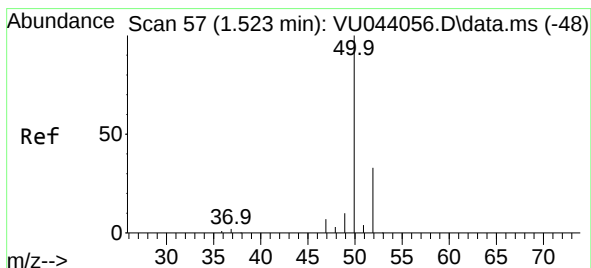
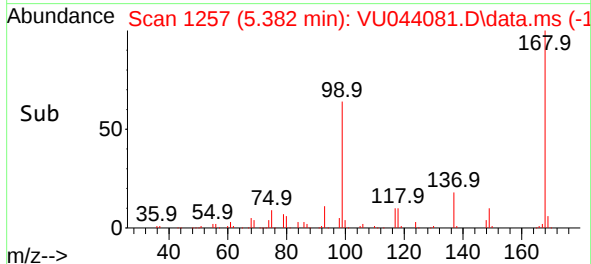
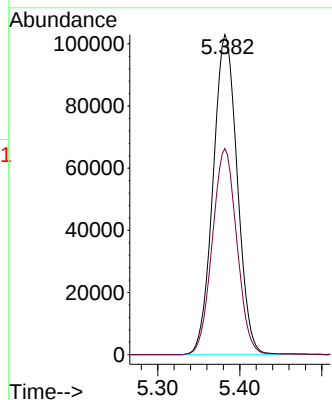
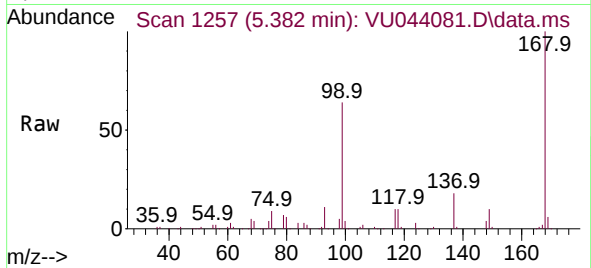




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

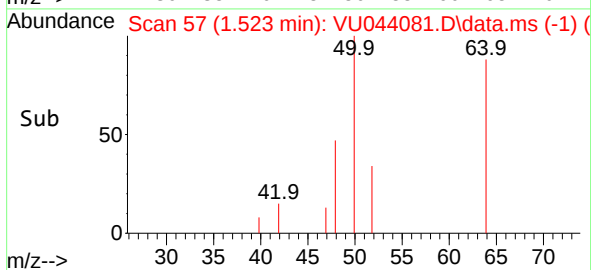
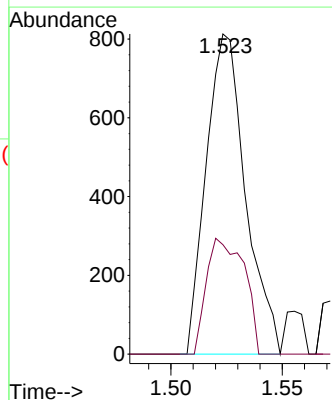
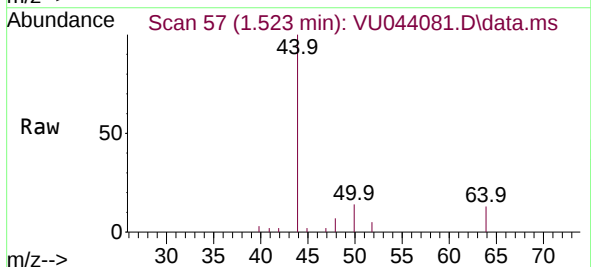
Instrument :
MSVOA_U
ClientSampled :
18-B4(2-4)

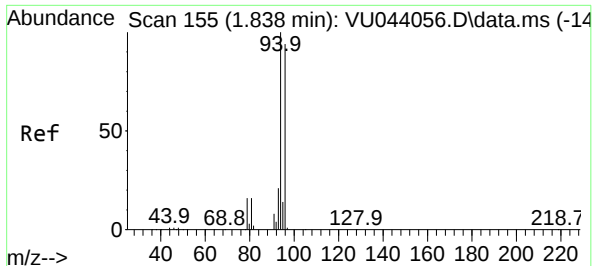
Tgt Ion:168 Resp: 210838
Ion Ratio Lower Upper
168 100
99 64.4 52.6 78.8



#3
Chloromethane
Concen: 0.229 ug/l
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion: 50 Resp: 998
Ion Ratio Lower Upper
50 100
52 34.2 26.2 39.2

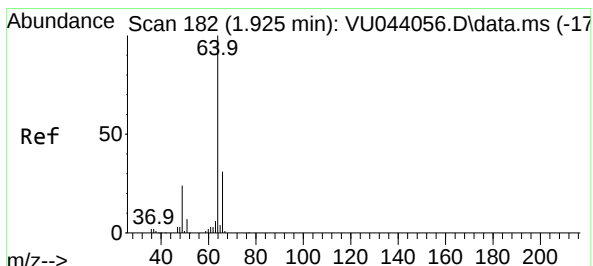
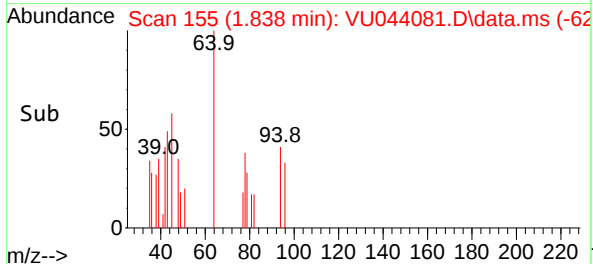
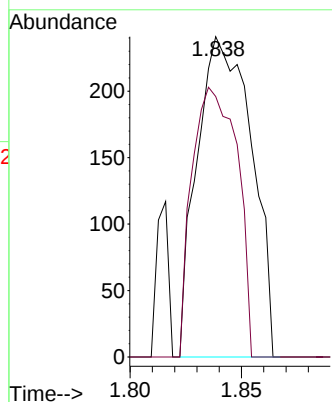
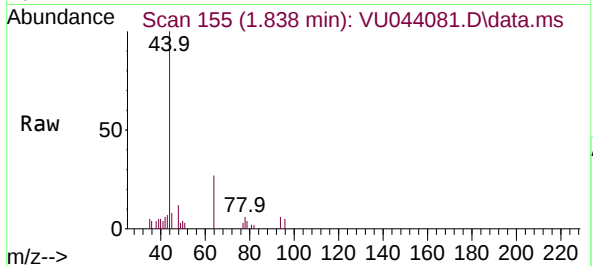




#5
Bromomethane
Concen: 0.253 ug/l
RT: 1.838 min Scan# 155
Delta R.T. 0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

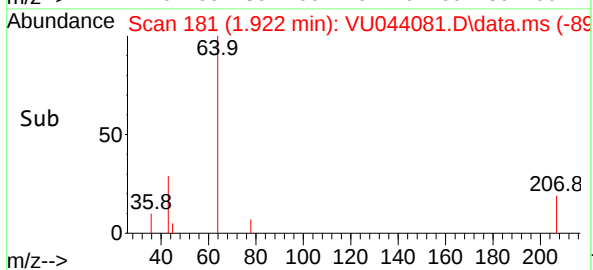
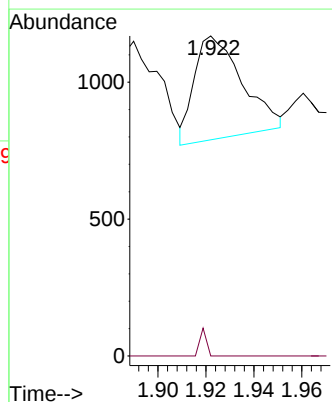
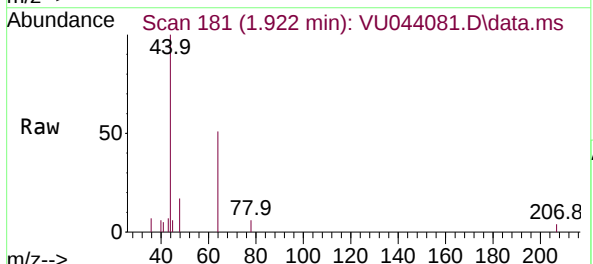
Instrument :
MSVOA_U
ClientSampleId :
18-B4(2-4)

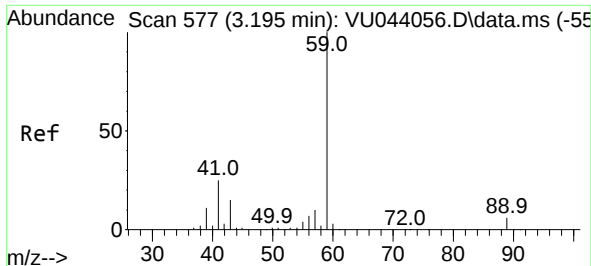
Tgt Ion: 94 Resp: 409
Ion Ratio Lower Upper
94 100
96 81.3 74.8 112.2



#6
Chloroethane
Concen: 0.220 ug/l
RT: 1.922 min Scan# 181
Delta R.T. -0.003 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion: 64 Resp: 526
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

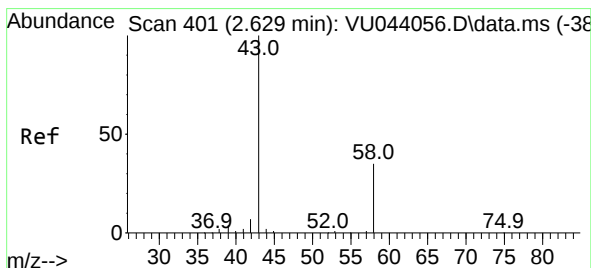
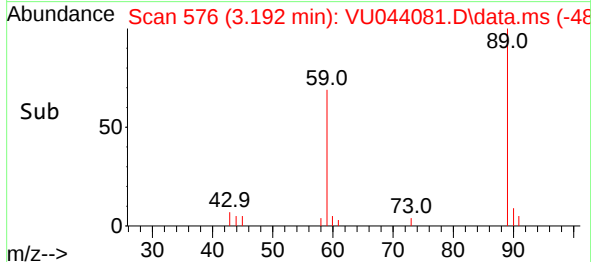
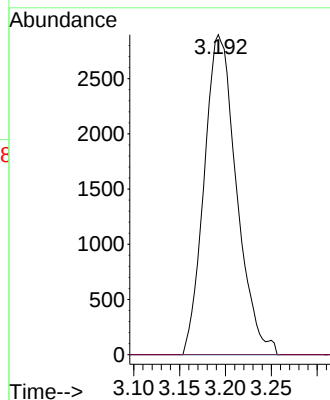
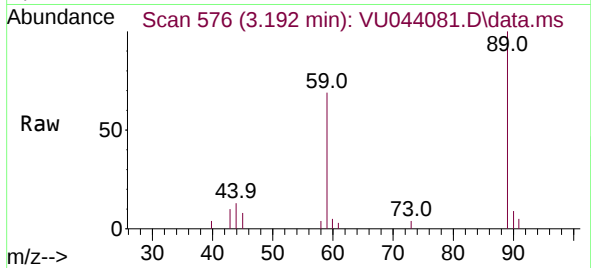




#11
Tert butyl alcohol
Concen: 7.819 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

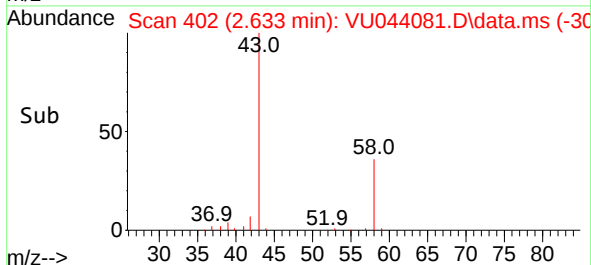
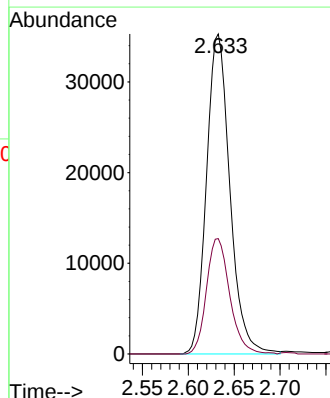
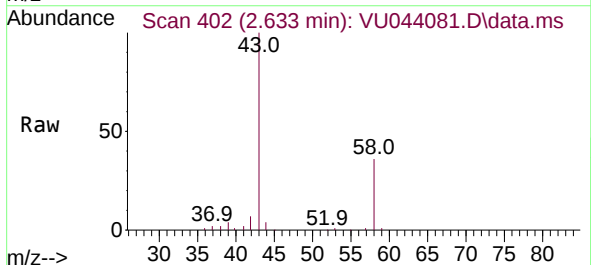
Instrument :
MSVOA_U
ClientSampleId :
18-B4(2-4)

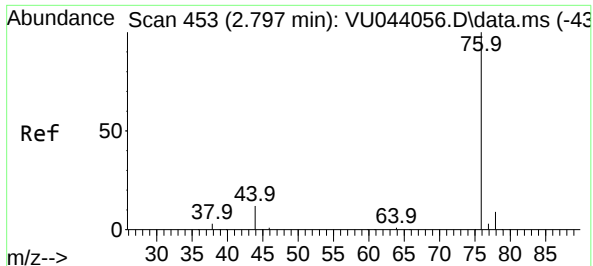
Tgt Ion: 59 Resp: 7118
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 29.494 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

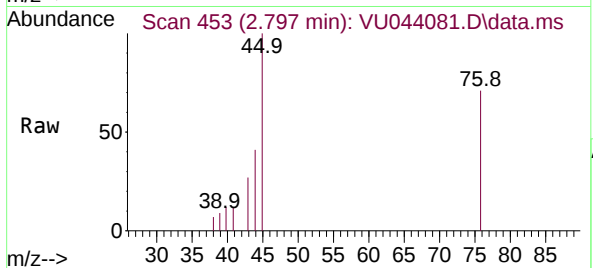
Tgt Ion: 43 Resp: 62505
Ion Ratio Lower Upper
43 100
58 36.0 27.7 41.5



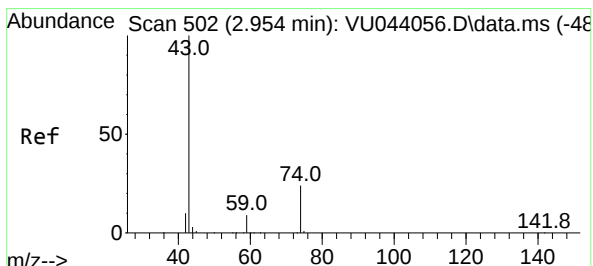
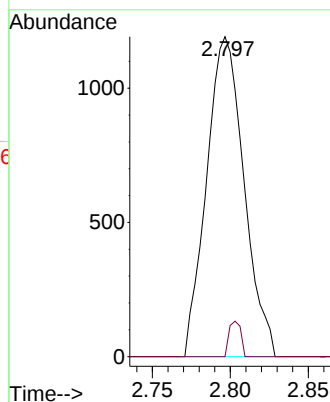
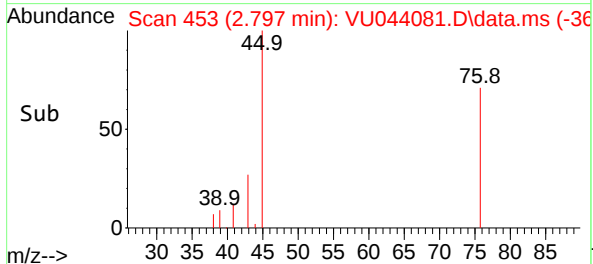


#17
Carbon Disulfide
Concen: 0.230 ug/l
RT: 2.797 min Scan# 453
Delta R.T. -0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

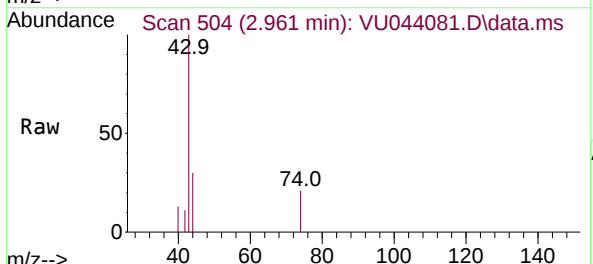
Instrument :
MSVOA_U
ClientSampleId :
18-B4(2-4)



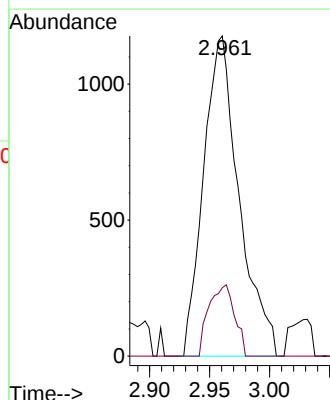
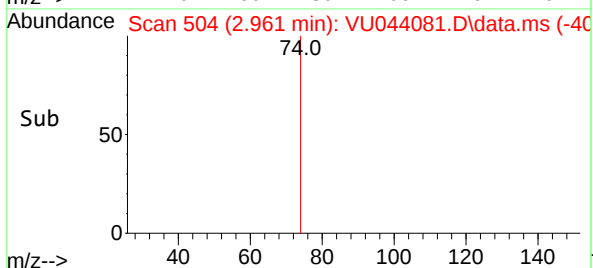
Tgt Ion: 76 Resp: 1988
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

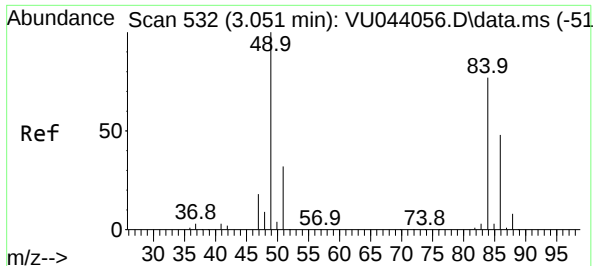


#18
Methyl Acetate
Concen: 0.518 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21



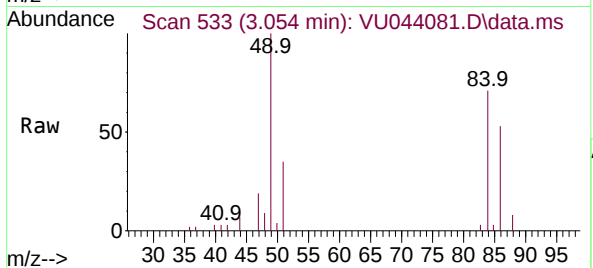
Tgt Ion: 43 Resp: 2422
Ion Ratio Lower Upper
43 100
74 16.1 18.7 28.1#



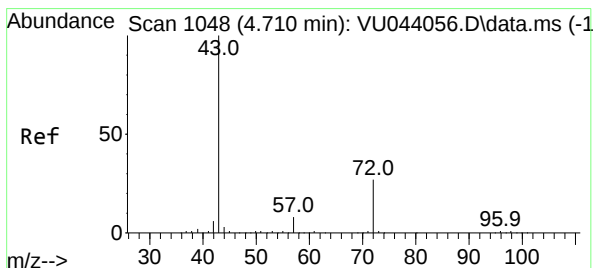
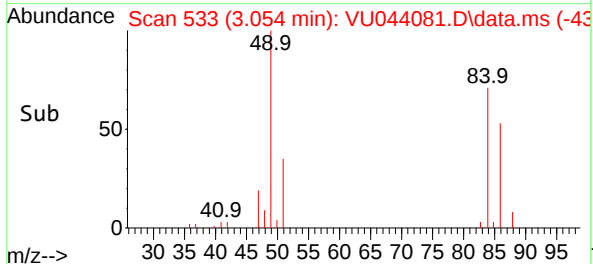
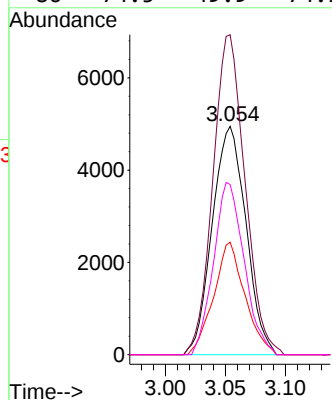


#20
Methylene Chloride
Concen: 1.392 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Instrument :
MSVOA_U
ClientSampleId :
18-B4(2-4)

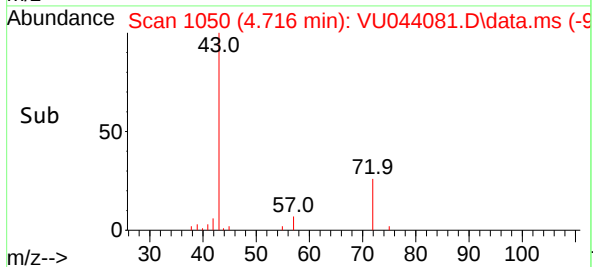
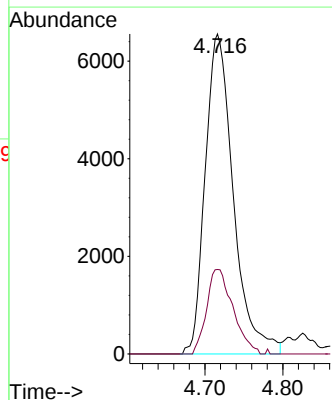
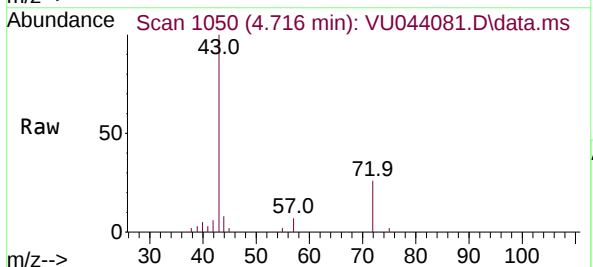


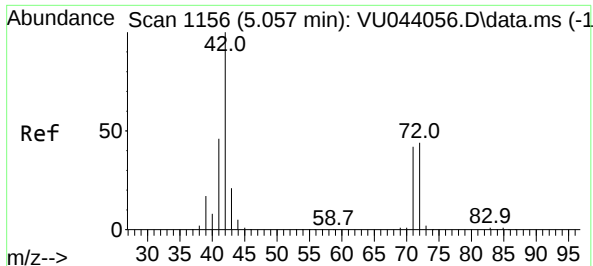
Tgt Ion:	84	Resp:	9674
Ion	Ratio	Lower	Upper
84	100		
49	140.1	103.6	155.4
51	49.3	32.8	49.2#
86	74.5	49.9	74.9



#25
2-Butanone
Concen: 5.440 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion:	43	Resp:	16449
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.427 ug/l

RT: 5.076 min Scan# 1162

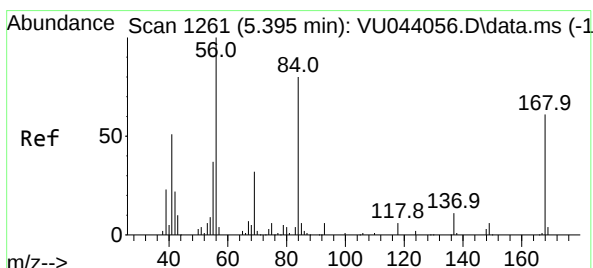
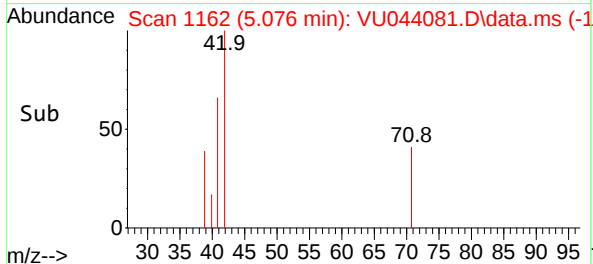
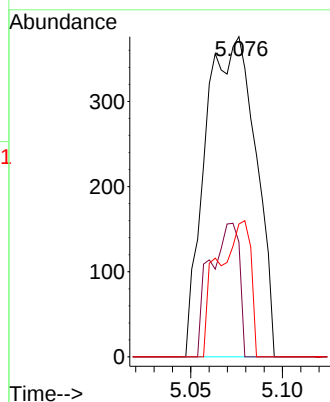
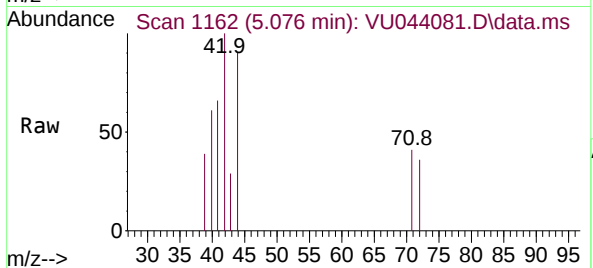
Delta R.T. 0.019 min

Lab File: VU044081.D

Acq: 08 Jun 2021 01:21

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Tgt Ion:	42	Resp:	716
Ion	Ratio	Lower	Upper
42	100		
72	24.3	35.6	53.4#
71	27.5	33.3	49.9#



#31

Cyclohexane

Concen: 1.005 ug/l

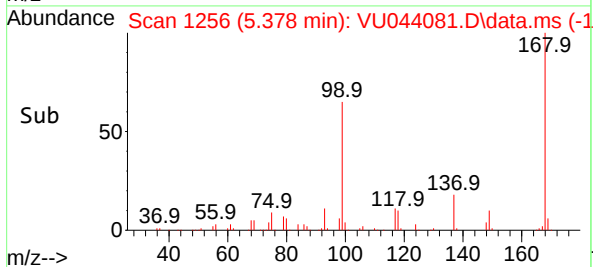
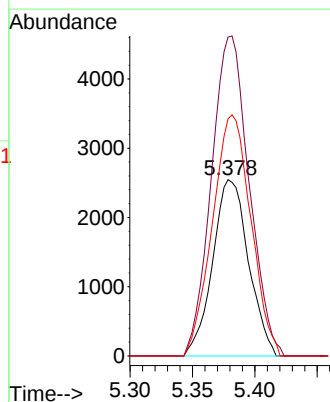
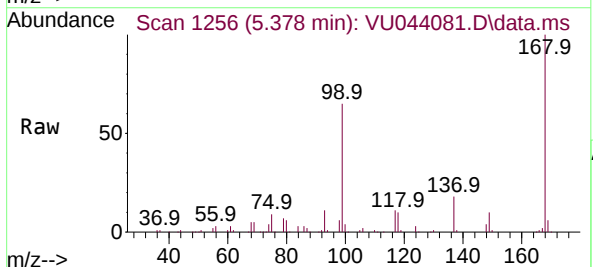
RT: 5.378 min Scan# 1256

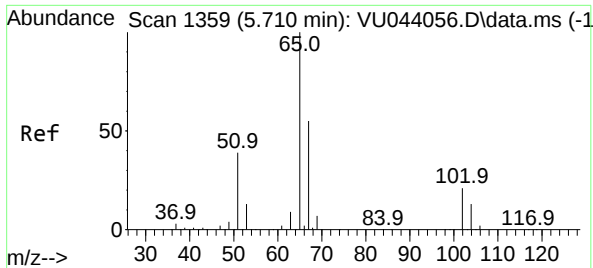
Delta R.T. -0.016 min

Lab File: VU044081.D

Acq: 08 Jun 2021 01:21

Tgt Ion:	56	Resp:	5093
Ion	Ratio	Lower	Upper
56	100		
69	180.9	25.4	38.2#
84	134.5	64.2	96.2#

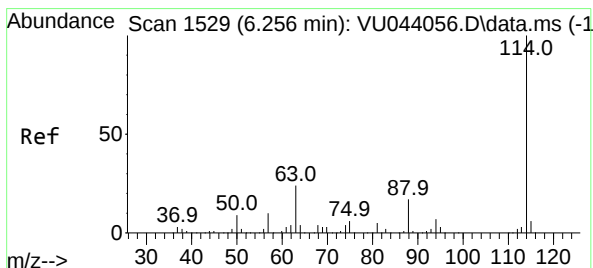
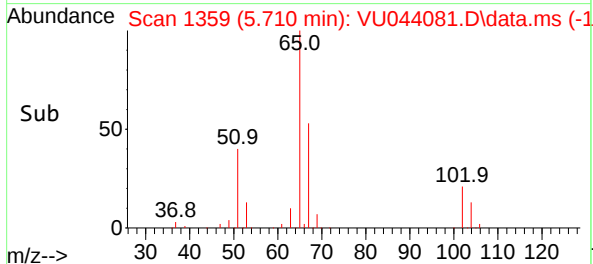
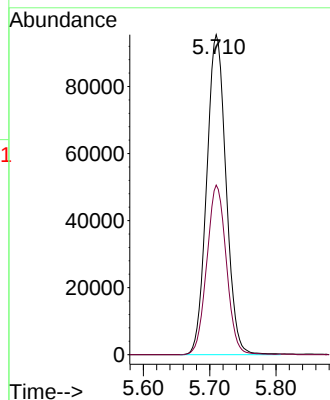
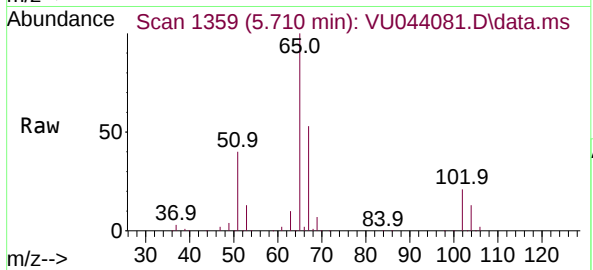




#33
1,2-Dichloroethane-d4
Concen: 52.716 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

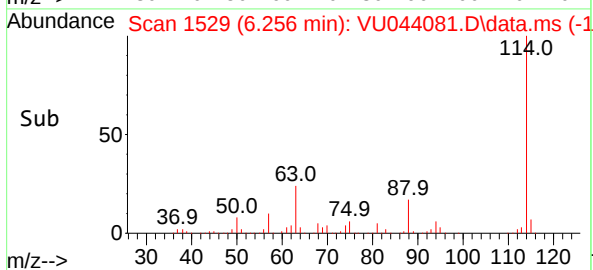
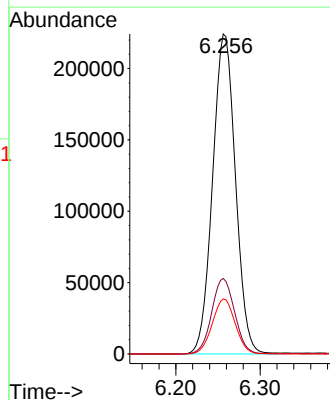
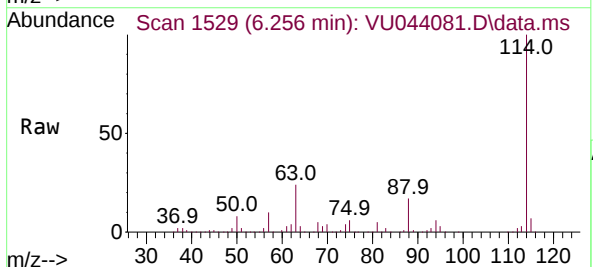
Instrument :
MSVOA_U
ClientSampled :
18-B4(2-4)

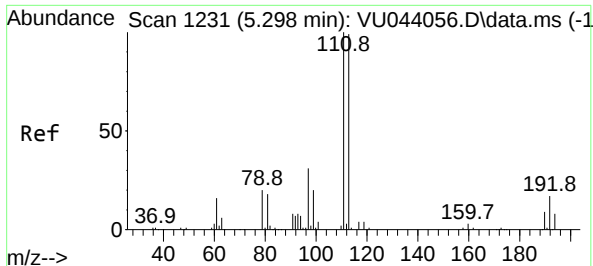
Tgt Ion: 65 Resp: 193567
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

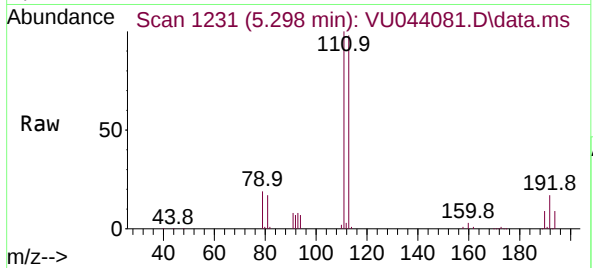
Tgt Ion: 114 Resp: 421980
Ion Ratio Lower Upper
114 100
63 23.6 0.0 48.4
88 17.2 0.0 34.4



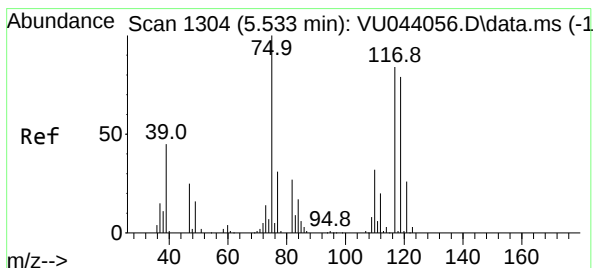
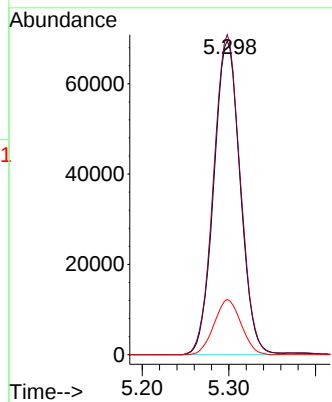
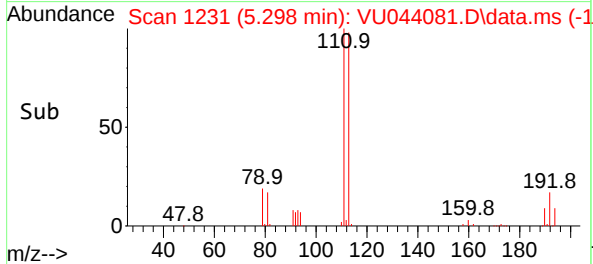


#35
Dibromofluoromethane
Concen: 48.768 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

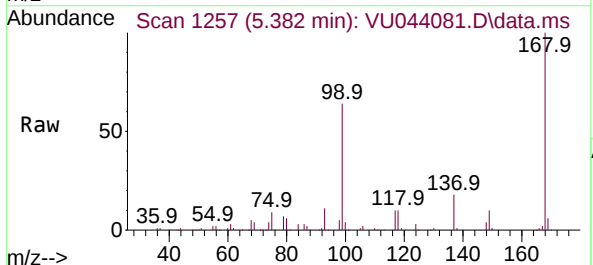
Instrument :
MSVOA_U
ClientSampleId :
18-B4(2-4)



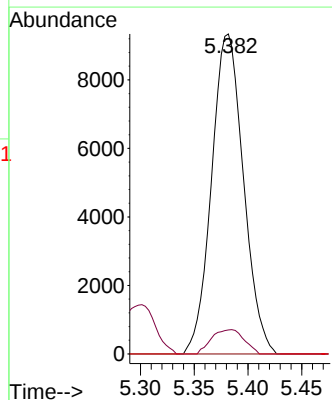
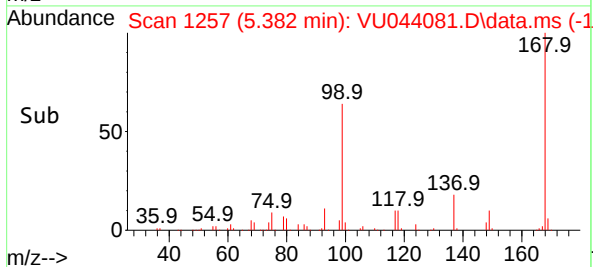
Tgt Ion:113 Resp: 146857
Ion Ratio Lower Upper
113 100
111 103.4 82.1 123.1
192 18.0 13.8 20.8

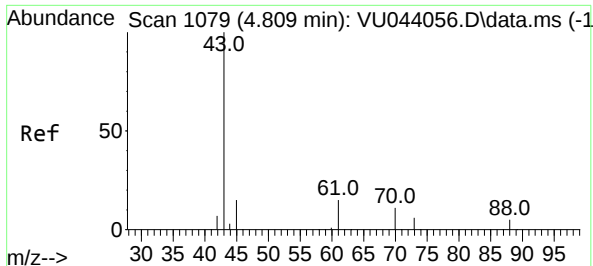


#36
1,1-Dichloropropene
Concen: 4.055 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21



Tgt Ion: 75 Resp: 19276
Ion Ratio Lower Upper
75 100
110 7.8 15.9 47.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.747 ug/l

RT: 4.716 min Scan# 1050

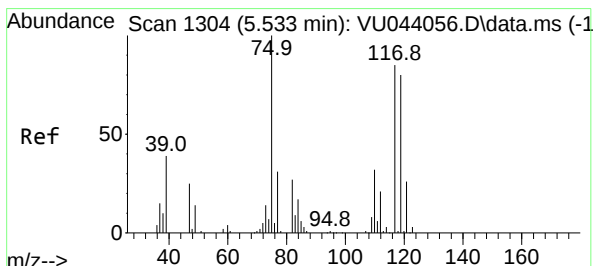
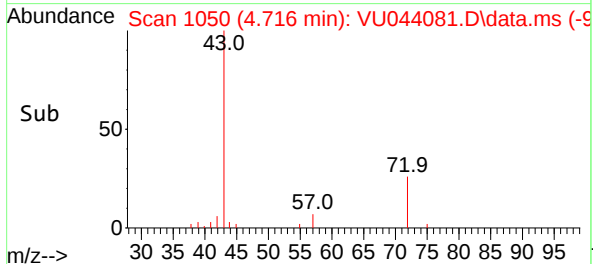
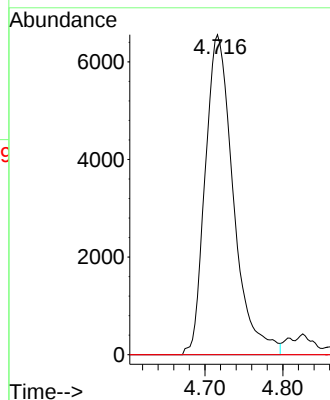
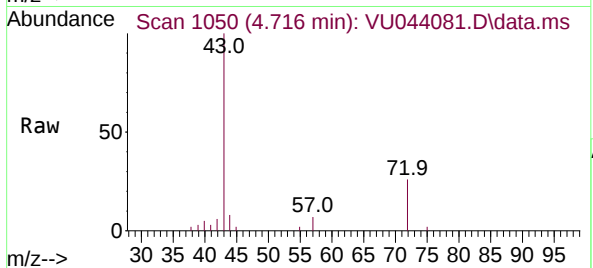
Delta R.T. -0.093 min

Lab File: VU044081.D

Acq: 08 Jun 2021 01:21

Instrument :
MSVOA_U
ClientSampled :
18-B4(2-4)

Tgt Ion:	43	Resp:	16449
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	0.0	8.6	12.8#



#38

Carbon Tetrachloride

Concen: 5.285 ug/l

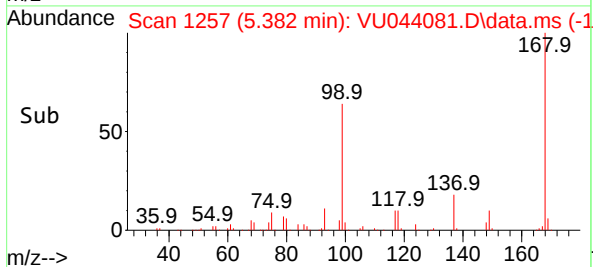
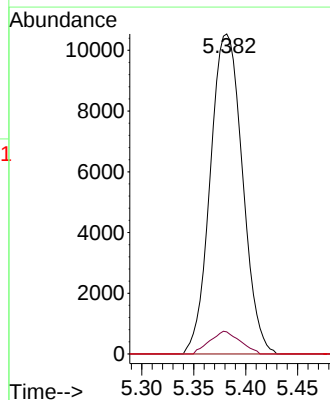
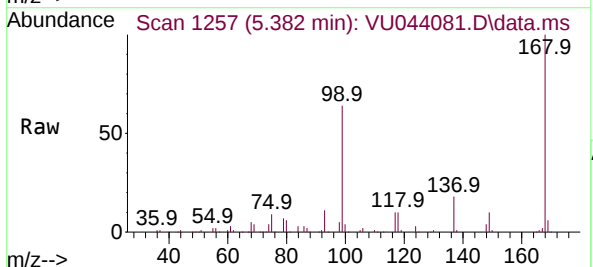
RT: 5.382 min Scan# 1257

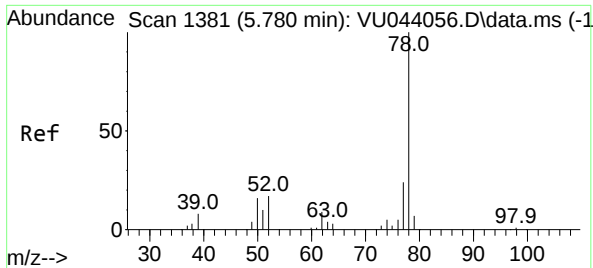
Delta R.T. -0.151 min

Lab File: VU044081.D

Acq: 08 Jun 2021 01:21

Tgt Ion:	117	Resp:	22702
Ion	Ratio	Lower	Upper
117	100		
119	6.9	75.4	113.2#
121	0.0	24.5	36.7#

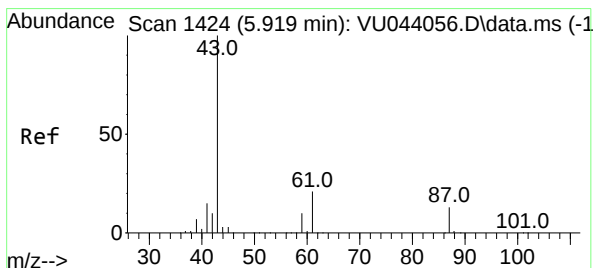
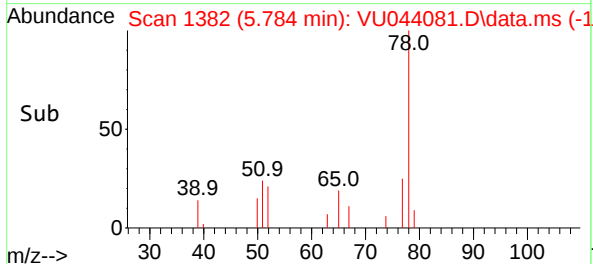
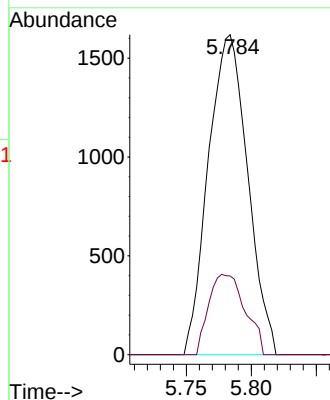
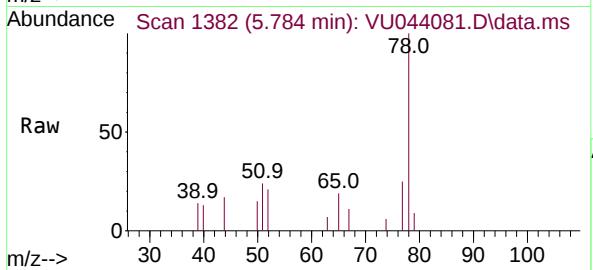




#40
Benzene
Concen: 0.238 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

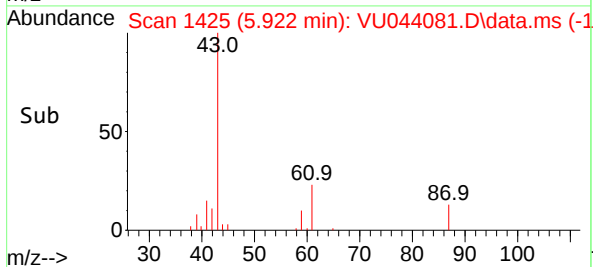
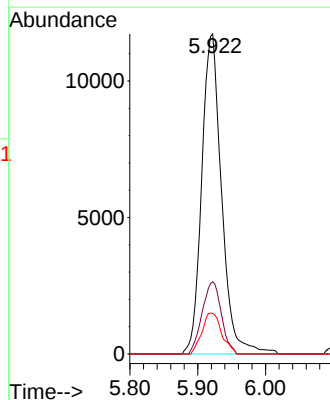
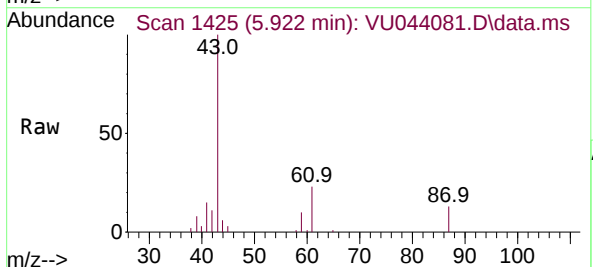
Instrument :
MSVOA_U
ClientSampleId :
18-B4(2-4)

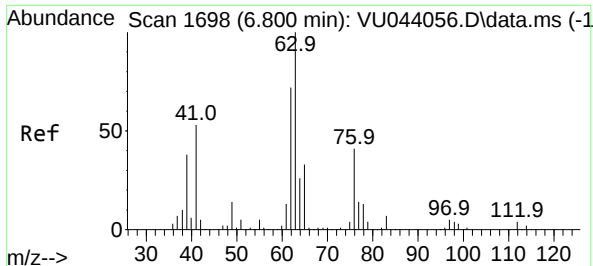
Tgt Ion: 78 Resp: 3408
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7



#43
Isopropyl Acetate
Concen: 2.818 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion: 43 Resp: 23863
Ion Ratio Lower Upper
43 100
61 21.8 16.8 25.2
87 12.6 10.2 15.2

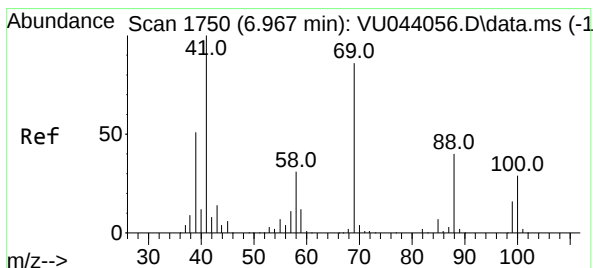
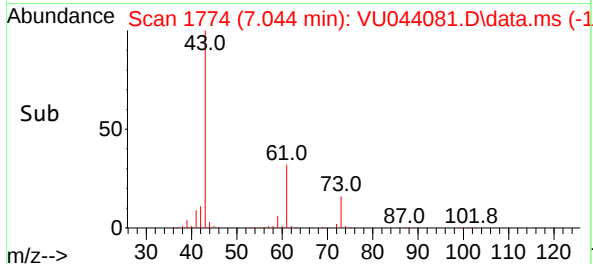
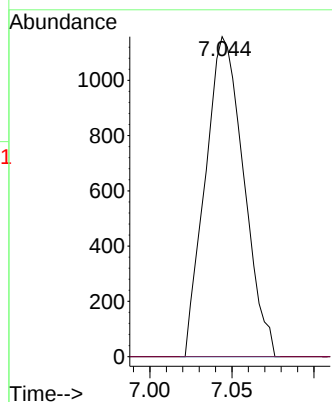
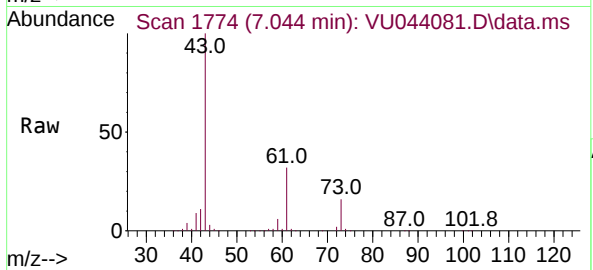




#45
1,2-Dichloropropane
Concen: 0.481 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

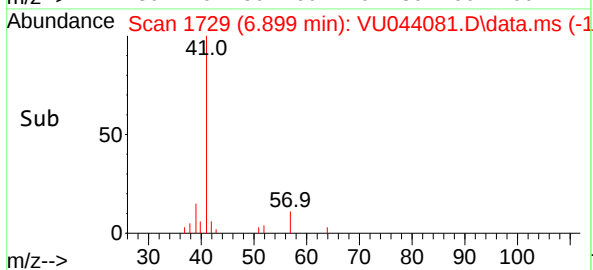
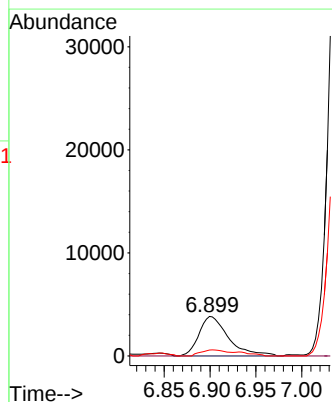
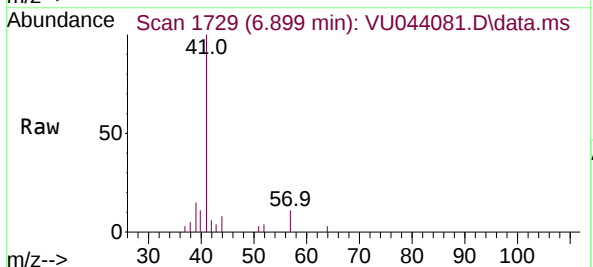
Instrument :
MSVOA_U
ClientSampled :
18-B4(2-4)

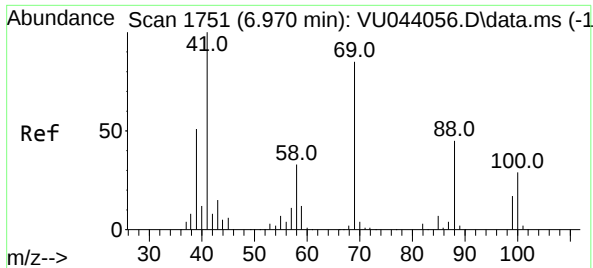
Tgt Ion: 63 Resp: 1880
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#



#48
Methyl methacrylate
Concen: 2.051 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion: 41 Resp: 8564
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#





#49

1,4-Dioxane

Concen: 0.818 ug/l

RT: 7.047 min Scan# 1775

Delta R.T. 0.077 min

Lab File: VU044081.D

Acq: 08 Jun 2021 01:21

Tgt Ion: 88 Resp: 84

Ion Ratio Lower Upper

88 100

43 1598117.9 25.0 37.4#

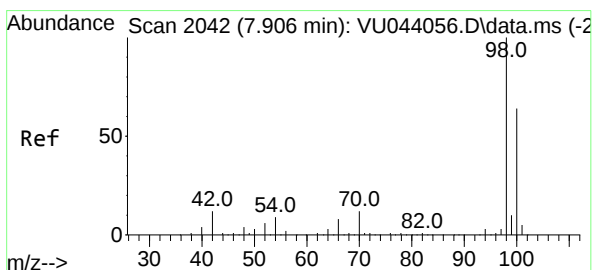
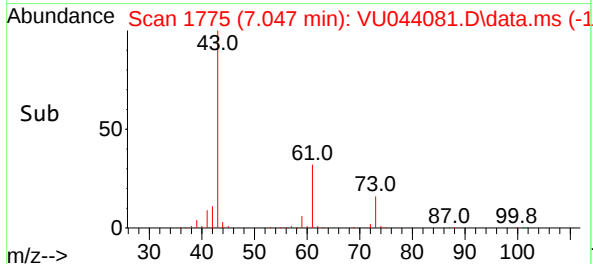
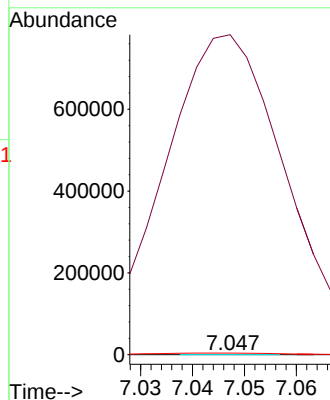
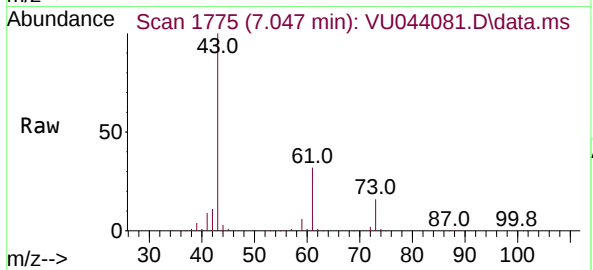
58 9047.6 60.0 90.0#

Instrument :

MSVOA_U

ClientSampleId :

18-B4(2-4)



#50

Toluene-d8

Concen: 50.530 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044081.D

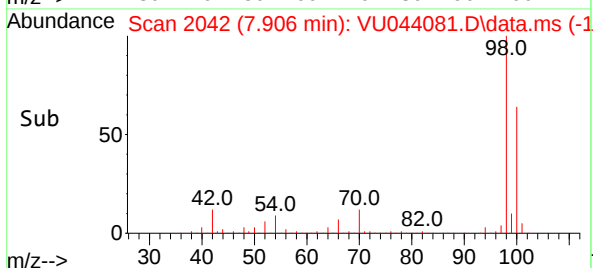
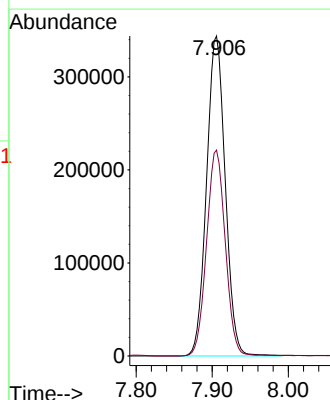
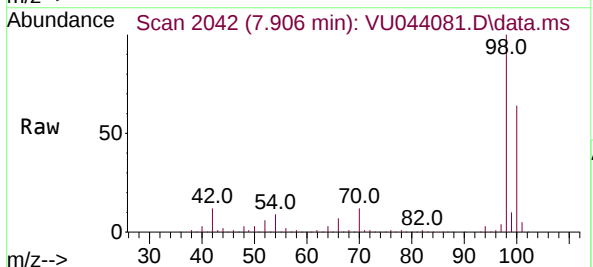
Acq: 08 Jun 2021 01:21

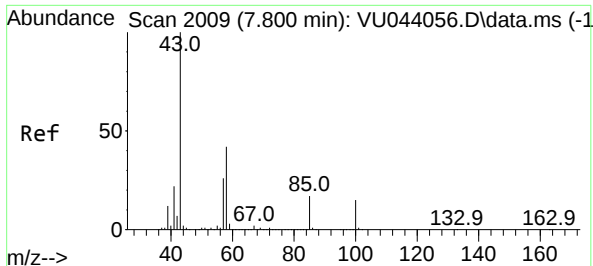
Tgt Ion: 98 Resp: 586927

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4

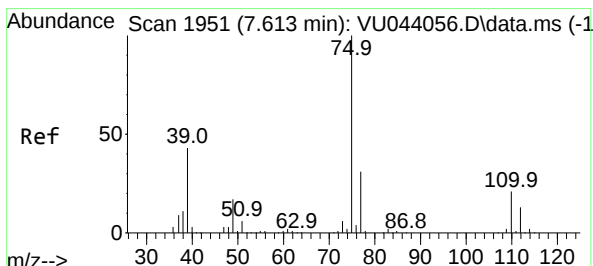
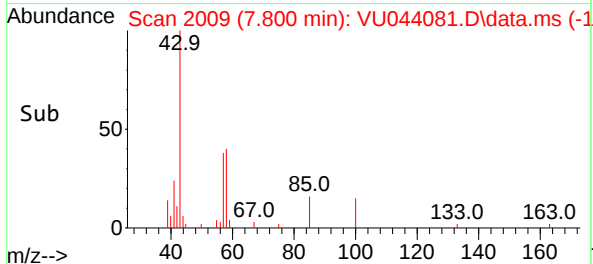
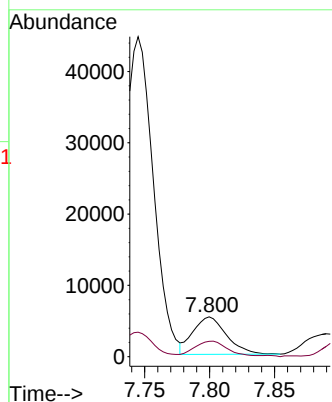
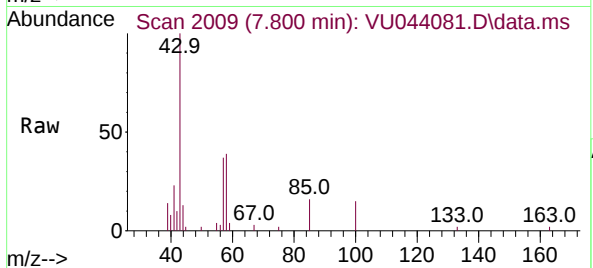




#51
4-Methyl-2-Pentanone
Concen: 1.501 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

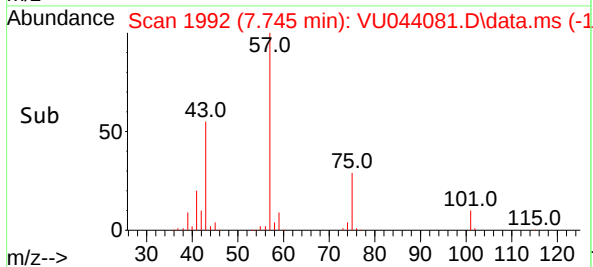
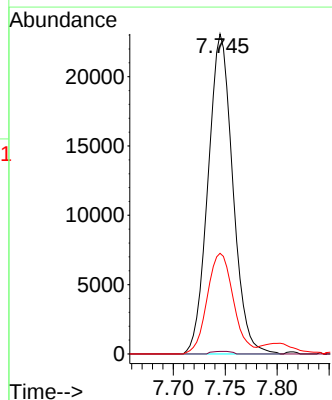
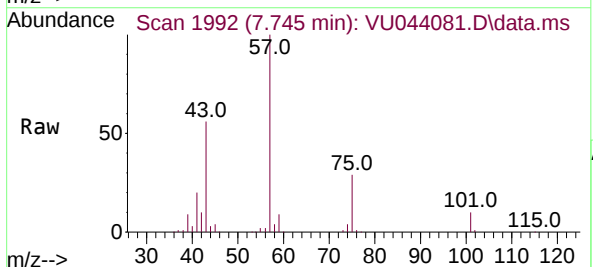
Instrument :
MSVOA_U
ClientSampled :
18-B4(2-4)

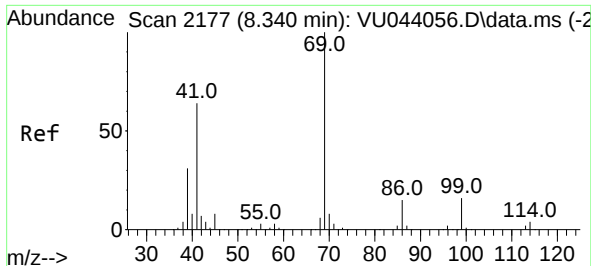
Tgt Ion: 43 Resp: 9440
Ion Ratio Lower Upper
43 100
58 41.4 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 6.570 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion: 75 Resp: 38195
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 31.5 34.7 52.1#

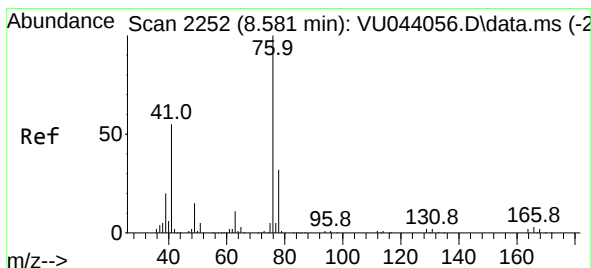
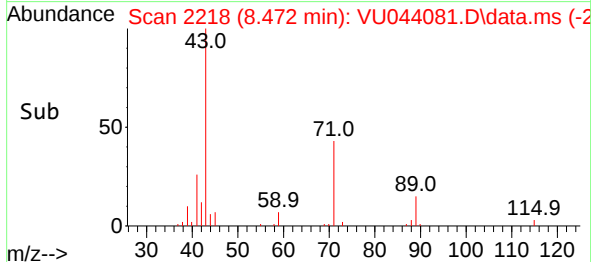
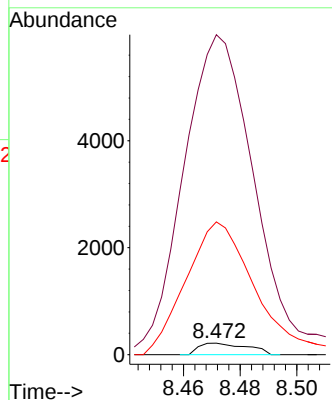
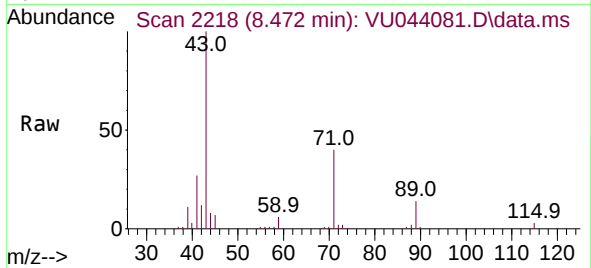




#56
Ethyl methacrylate
Concen: 3.423 ug/l
RT: 8.472 min Scan# 2218
Delta R.T. 0.132 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

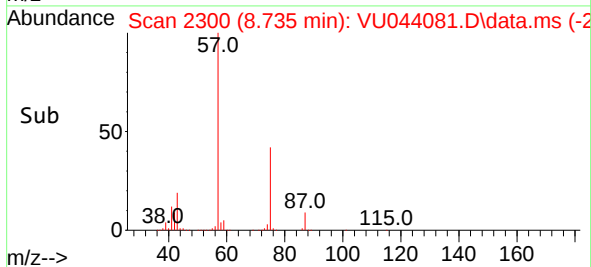
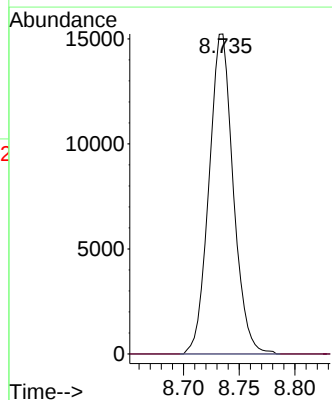
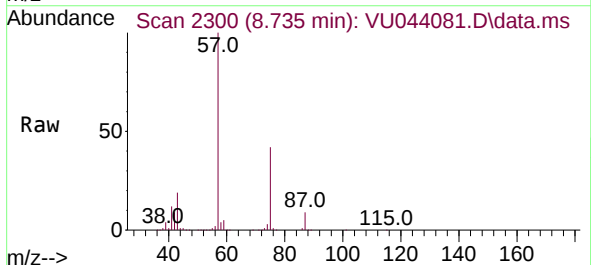
Instrument :
MSVOA_U
ClientSampleId :
18-B4(2-4)

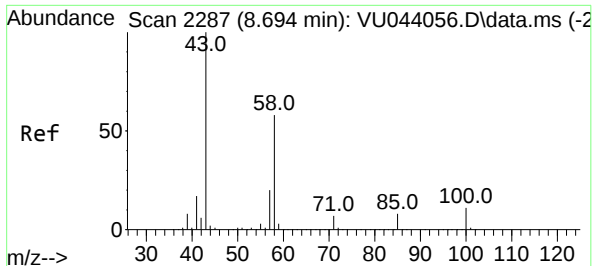
Tgt Ion: 69 Resp: 255
Ion Ratio Lower Upper
69 100
41 4121.2 51.4 77.0#
39 1688.2 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 3.605 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion: 76 Resp: 23080
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

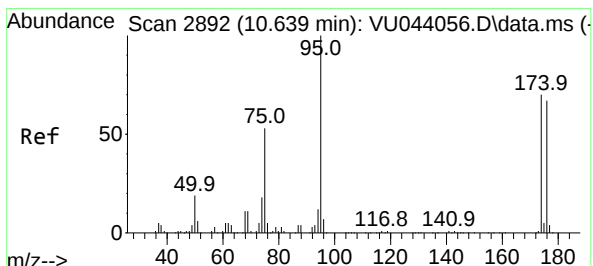
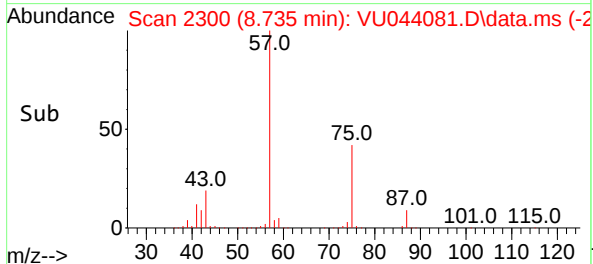
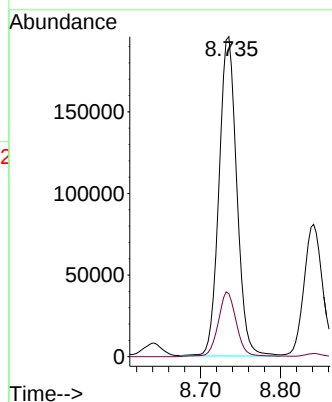
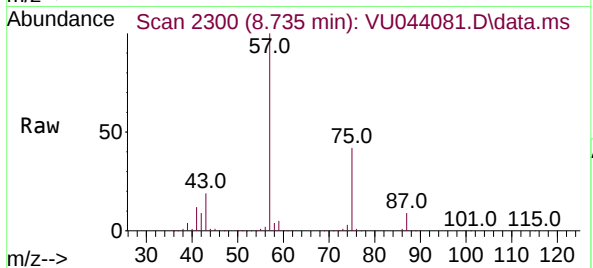




#59
2-Hexanone
Concen: 61.770 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

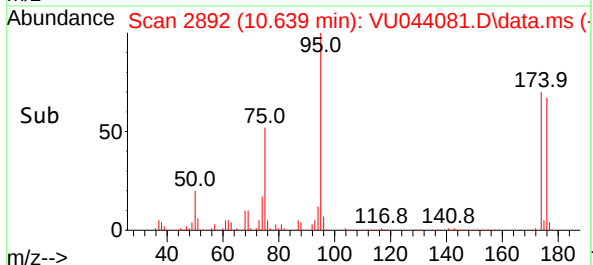
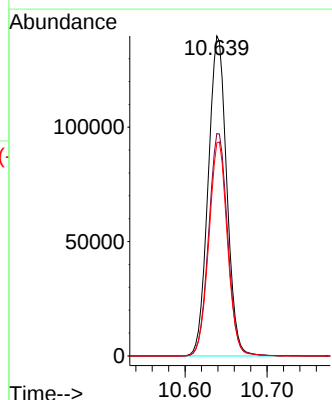
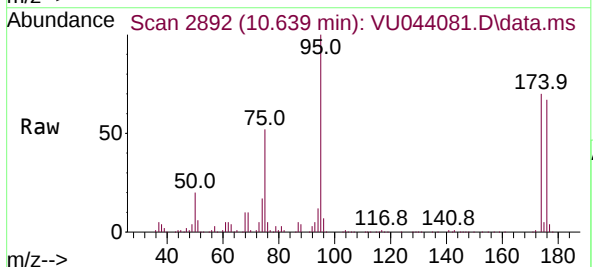
Instrument :
MSVOA_U
ClientSampled :
18-B4(2-4)

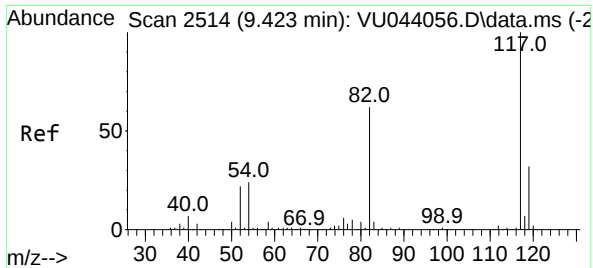
Tgt Ion: 43 Resp: 301890
Ion Ratio Lower Upper
43 100
58 20.8 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 47.981 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion: 95 Resp: 220653
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.0
176 67.1 0.0 135.2

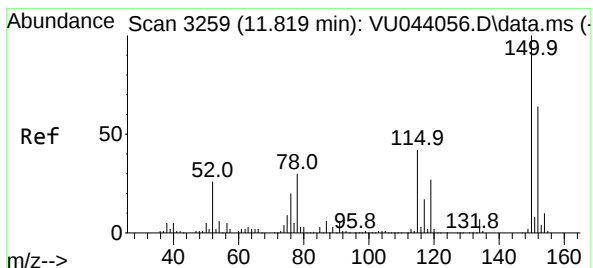
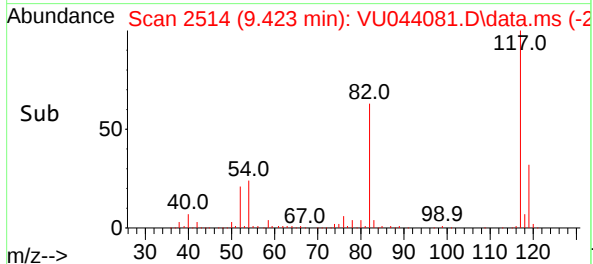
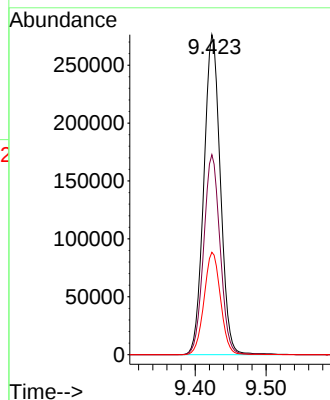
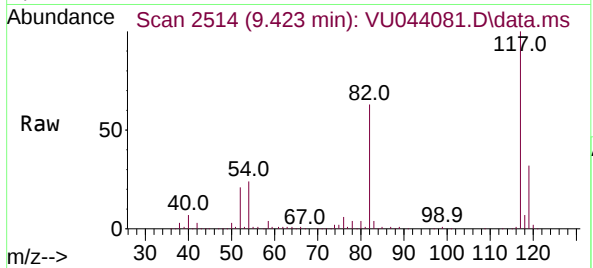




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

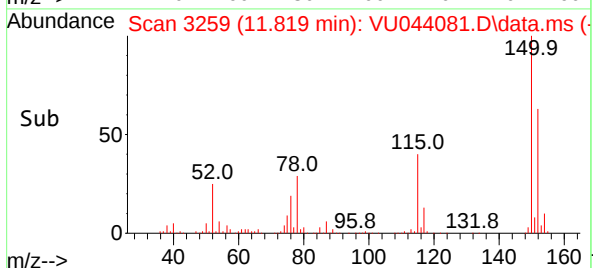
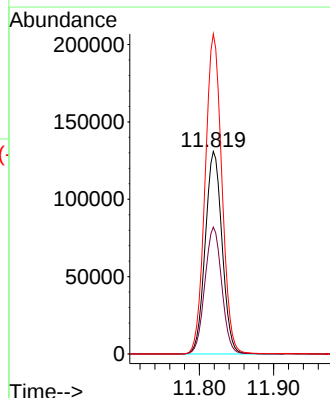
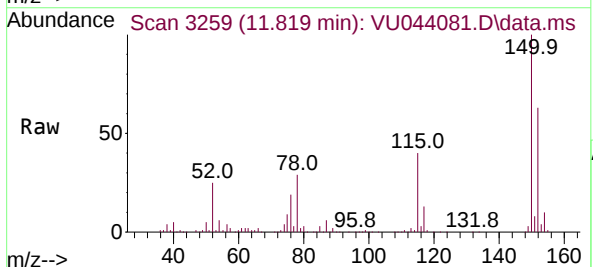
Instrument :
MSVOA_U
ClientSampled :
18-B4(2-4)

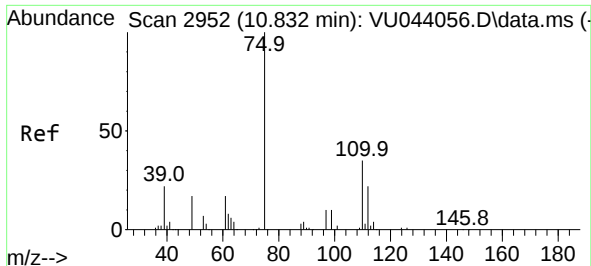
Tgt Ion:117 Resp: 447571
Ion Ratio Lower Upper
117 100
82 62.5 50.0 75.0
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion:152 Resp: 205814
Ion Ratio Lower Upper
152 100
115 62.7 44.6 134.0
150 156.9 0.0 347.8

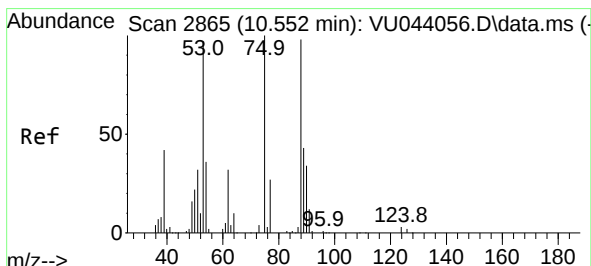
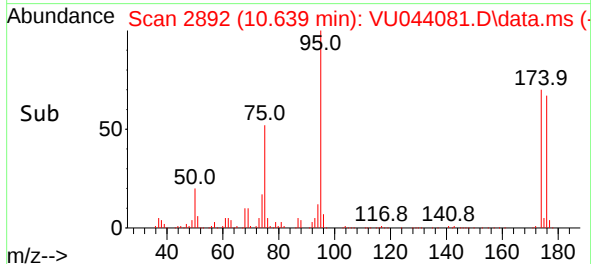
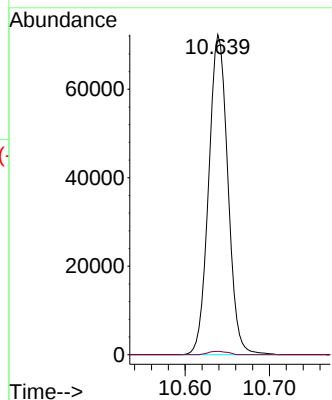
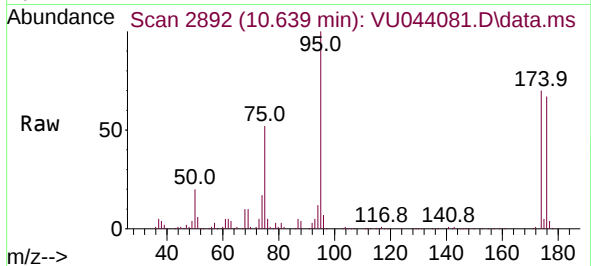




#76
1,2,3-Trichloropropane
Concen: 19.918 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

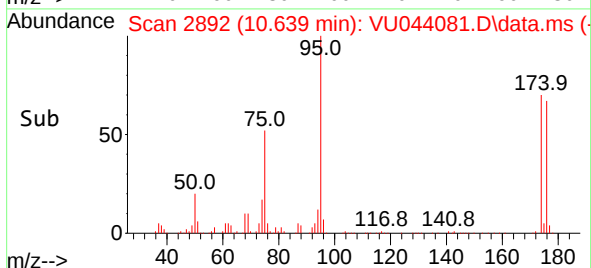
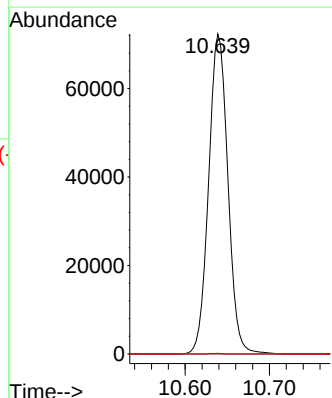
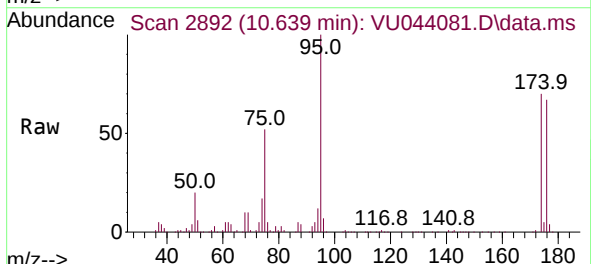
Instrument :
MSVOA_U
ClientSampled :
18-B4(2-4)

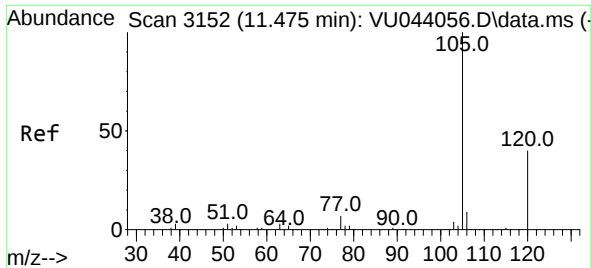
Tgt Ion: 75 Resp: 114676
Ion Ratio Lower Upper
75 100
77 1.1 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.159 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion: 75 Resp: 114676
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

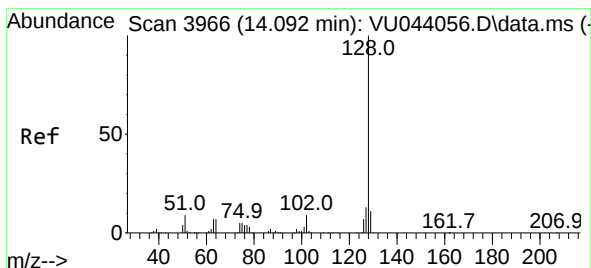
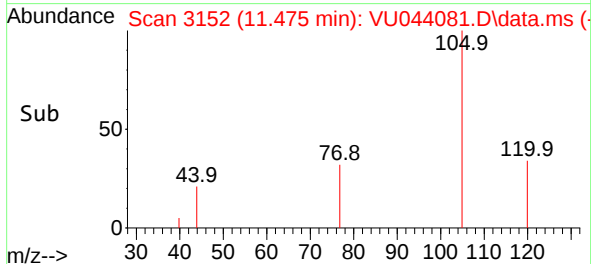
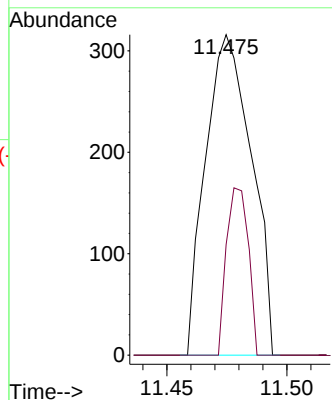
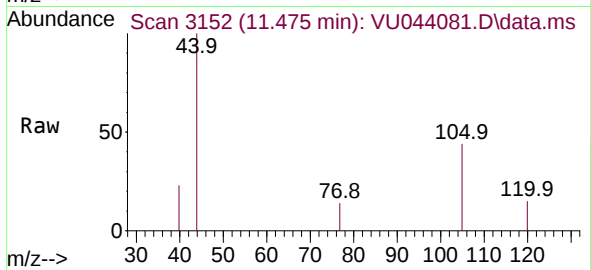




#84
1,2,4-Trimethylbenzene
Concen: 0.980 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Instrument :
MSVOA_U
ClientSampled :
18-B4(2-4)

Tgt Ion:105 Resp: 421
Ion Ratio Lower Upper
105 100
120 24.7 21.9 65.7



#95
Naphthalene
Concen: 3.342 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044081.D
Acq: 08 Jun 2021 01:21

Tgt Ion:128 Resp: 7389
Ion Ratio Lower Upper
128 100
127 10.1 10.2 15.4#
129 9.5 8.7 13.1

