

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044892.D
 Acq On : 27 Sep 2021 16:32
 Operator : SY/MD
 Sample : M3875-15DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20882DL

Quant Time: Sep 27 17:25:25 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)

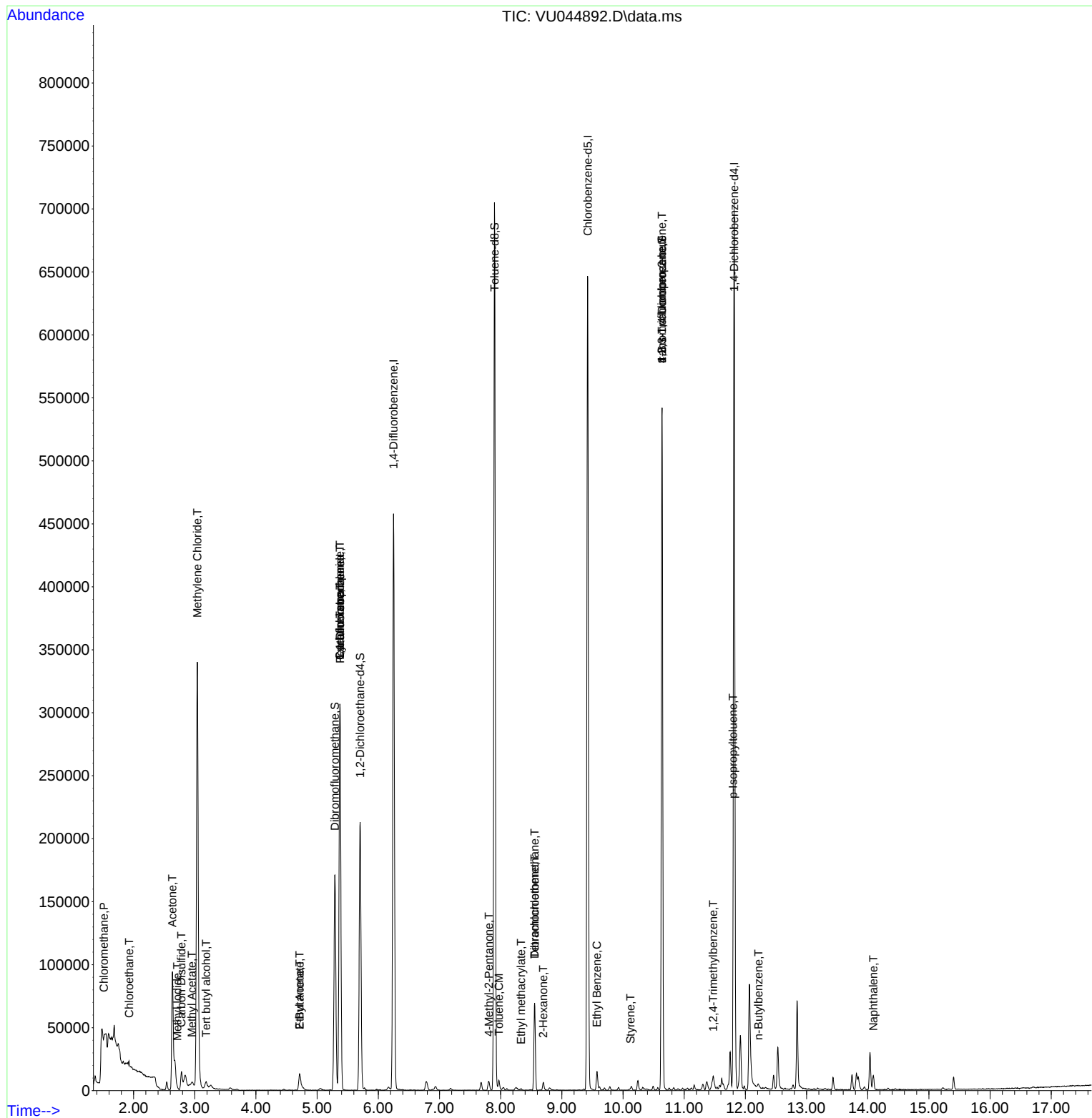
Internal Standards						
1) Pentafluorobenzene	5.375	168	200282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	353604	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	338475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	167345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	159826	45.724	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.440%	
35) Dibromofluoromethane	5.292	113	109064	44.960	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.920%	
50) Toluene-d8	7.899	98	449755	49.091	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.180%	
62) 4-Bromofluorobenzene	10.639	95	178641	52.498	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.000%	
Target Compounds						Qvalue
3) Chloromethane	1.517	50	2022	0.555	ug/l #	86
5) Bromomethane	1.864	94	43	Below Cal	#	3
6) Chloroethane	1.929	64	8558	3.408	ug/l #	49
10) Methyl Iodide	2.713	142	619	0.234	ug/l #	70
11) Tert butyl alcohol	3.189	59	4083	4.002	ug/l #	72
16) Acetone	2.636	43	117472	59.580	ug/l	99
17) Carbon Disulfide	2.784	76	20171	2.973	ug/l	99
18) Methyl Acetate	2.954	43	3729	0.566	ug/l #	69
20) Methylene Chloride	3.041	84	164517	51.545	ug/l	97
25) 2-Butanone	4.713	43	24607	8.225	ug/l	99
31) Cyclohexane	5.372	56	5503	1.097	ug/l #	5
36) 1,1-Dichloropropene	5.372	75	18636	4.967	ug/l #	50
37) Ethyl Acetate	4.713	43	24607	4.470	ug/l #	69
38) Carbon Tetrachloride	5.372	117	21132	6.300	ug/l #	16
51) 4-Methyl-2-Pentanone	7.806	43	5729	1.044	ug/l	97
52) Toluene	7.970	92	3036	0.444	ug/l	100
56) Ethyl methacrylate	8.333	69	42	1.893	ug/l #	1
59) 2-Hexanone	8.697	43	4381	0.994	ug/l	99
60) Dibromochloromethane	8.555	129	13765	4.916	ug/l #	10
64) Tetrachloroethene	8.555	164	14372	6.264	ug/l	97
67) Ethyl Benzene	9.575	91	9292	0.741	ug/l	96
70) Styrene	10.121	104	310	1.046	ug/l #	58
76) 1,2,3-Trichloropropane	10.639	75	98230	19.384	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.639	75	98230	62.795	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.475	105	3275	0.330	ug/l #	45
86) p-Isopropyltoluene	11.800	119	2726	0.267	ug/l #	72
89) n-Butylbenzene	12.214	91	730	1.343	ug/l #	73
95) Naphthalene	14.092	128	8212	1.571	ug/l	99

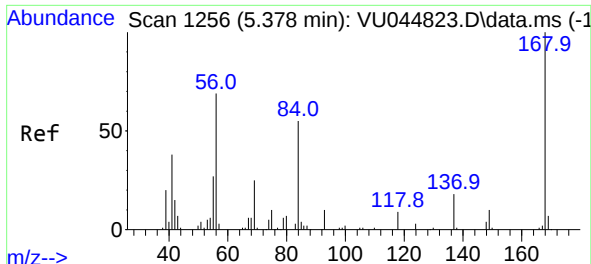
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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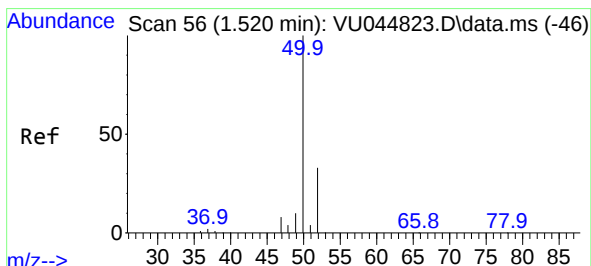
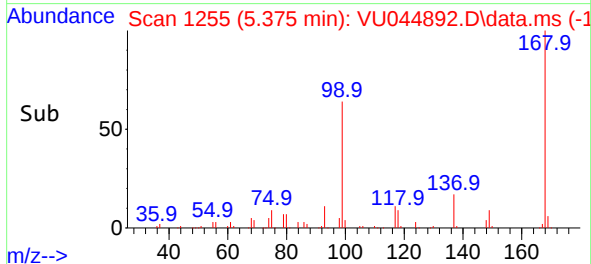
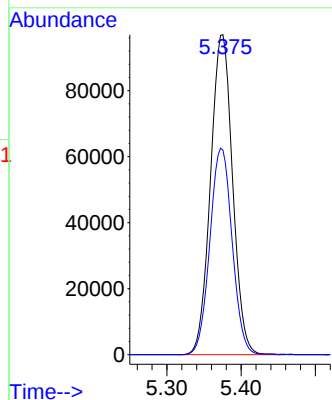
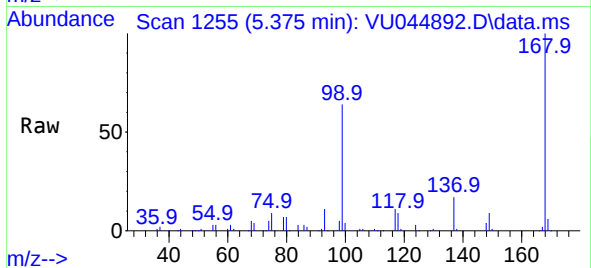




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

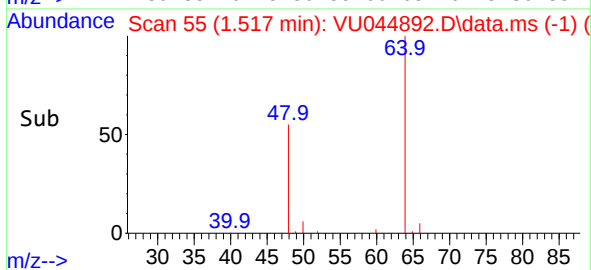
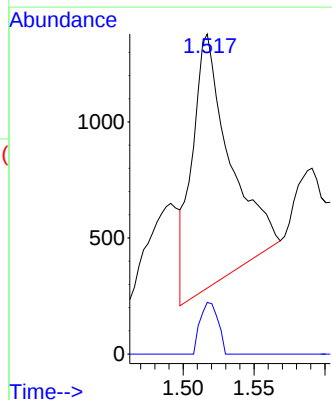
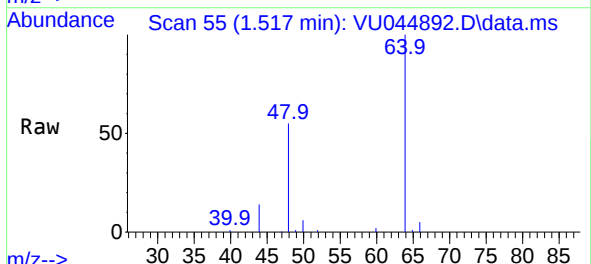
Instrument :
MSVOA_U
ClientSampled :
20882DL

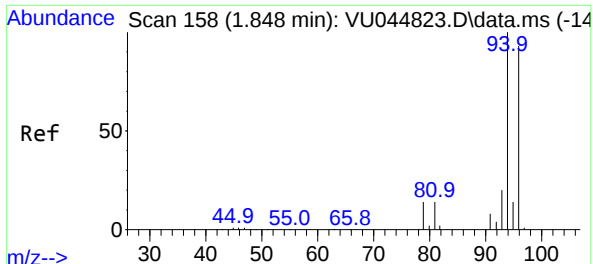
Tgt Ion:168 Resp: 200282
Ion Ratio Lower Upper
168 100
99 63.9 51.4 77.0



#3
Chloromethane
Concen: 0.555 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 50 Resp: 2022
Ion Ratio Lower Upper
50 100
52 24.9 26.3 39.5#

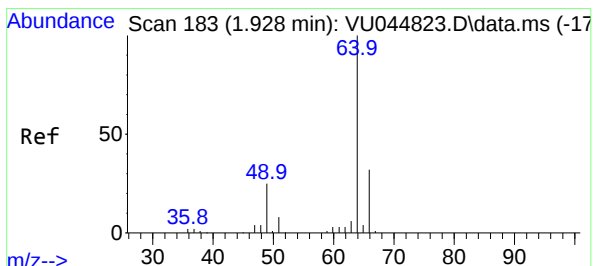
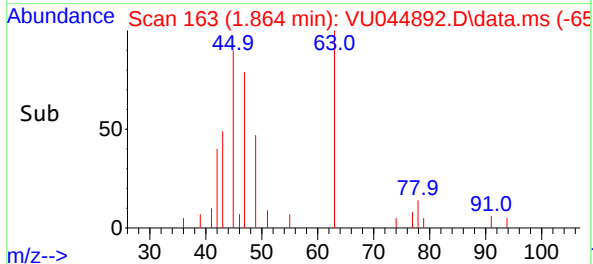
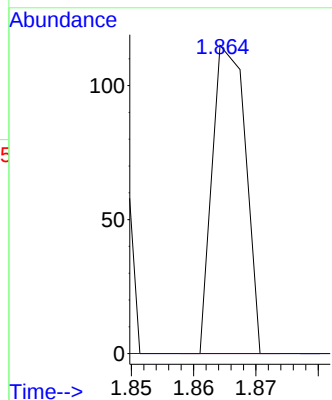
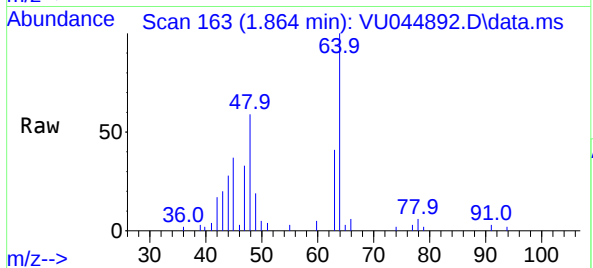




#5
Bromomethane
Concen: Below Cal
RT: 1.864 min Scan# 163
Delta R.T. 0.016 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

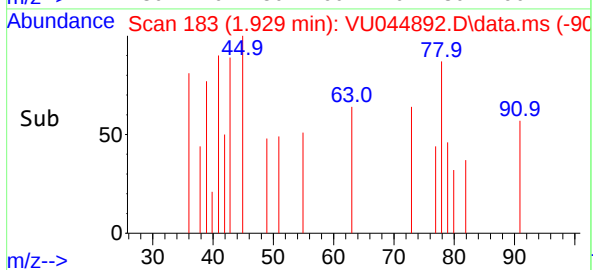
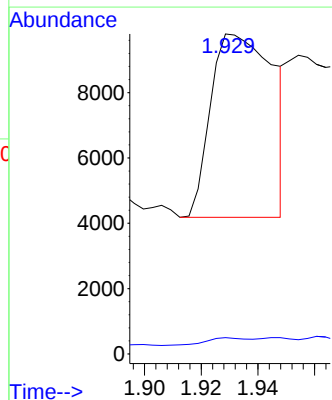
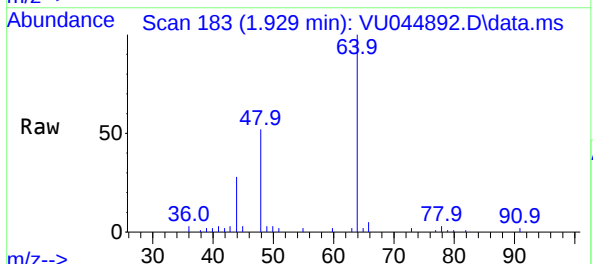
Instrument :
MSVOA_U
ClientSampled :
20882DL

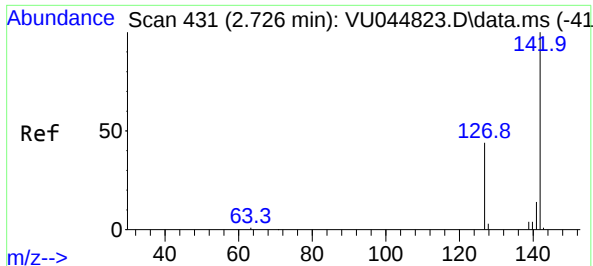
Tgt Ion: 94 Resp: 43
Ion Ratio Lower Upper
94 100
96 0.0 74.5 111.7#



#6
Chloroethane
Concen: 3.408 ug/l
RT: 1.929 min Scan# 183
Delta R.T. 0.001 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 64 Resp: 8558
Ion Ratio Lower Upper
64 100
66 3.9 25.8 38.8#

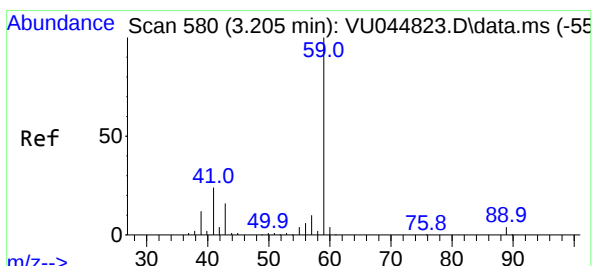
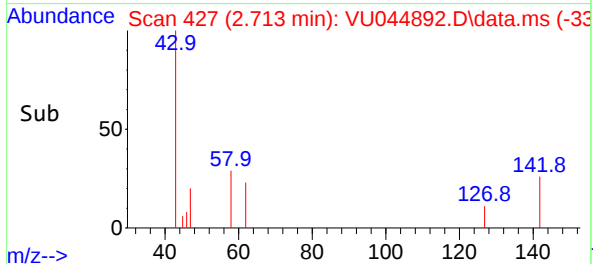
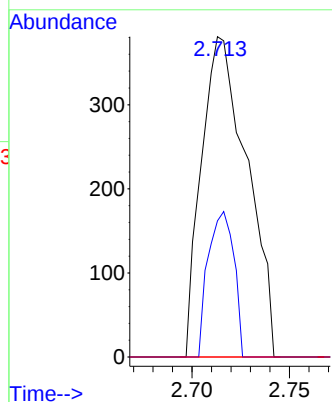
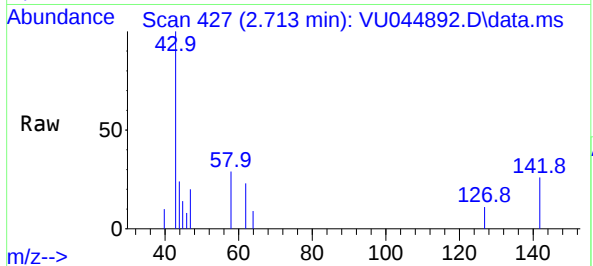




#10
Methyl Iodide
Concen: 0.234 ug/l
RT: 2.713 min Scan# 427
Delta R.T. -0.013 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

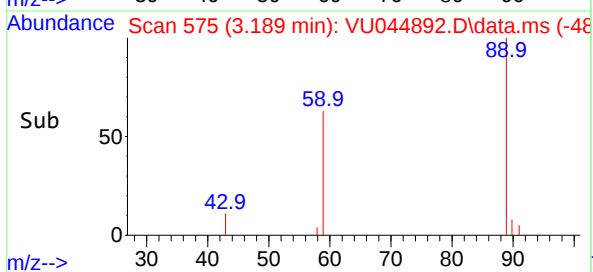
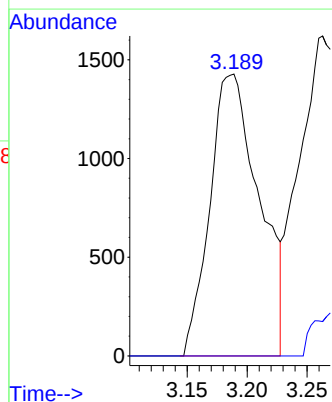
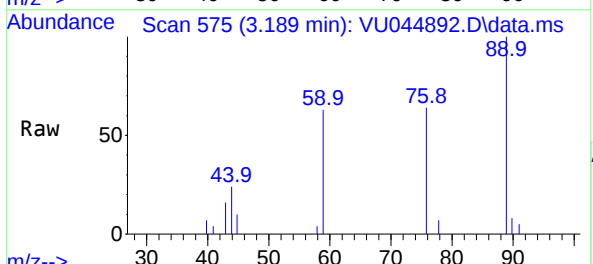
Instrument :
MSVOA_U
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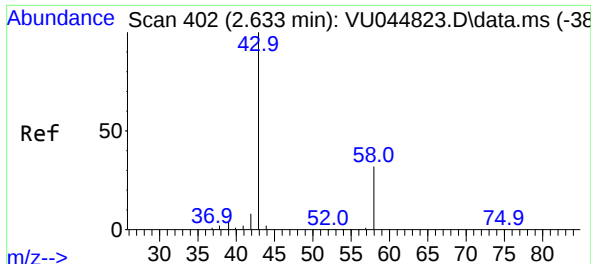
Tgt Ion:142 Resp: 619
Ion Ratio Lower Upper
142 100
127 25.7 35.6 53.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 4.002 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.016 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 59 Resp: 4083
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

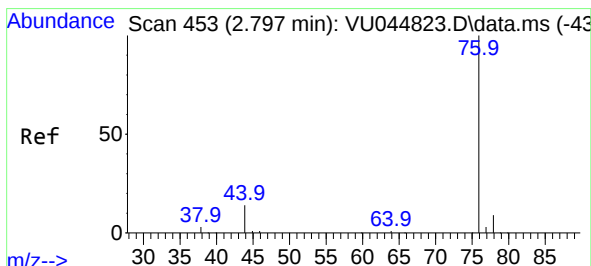
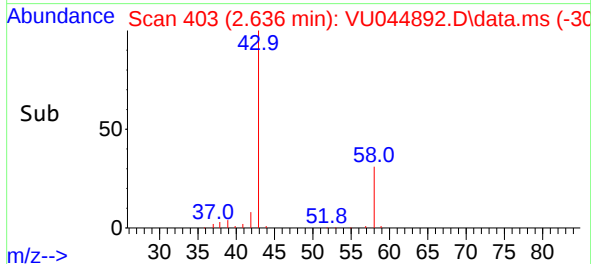
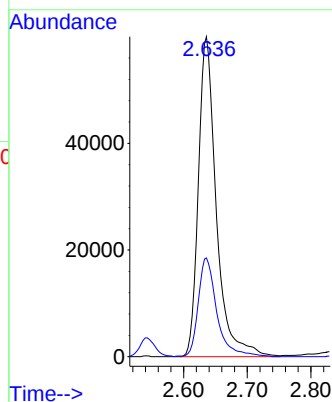
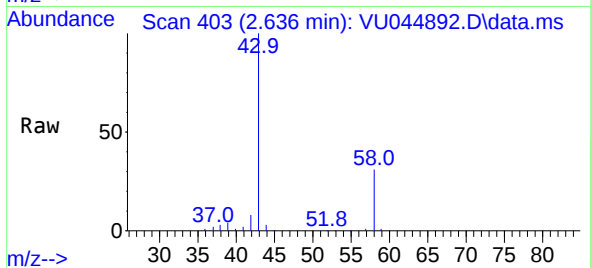




#16
Acetone
Concen: 59.580 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

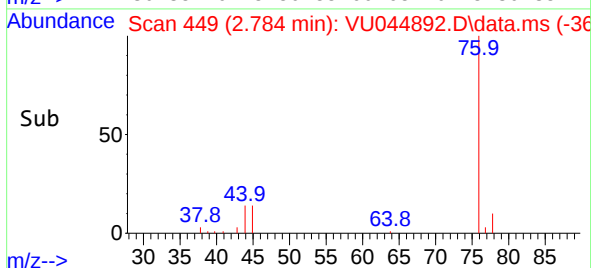
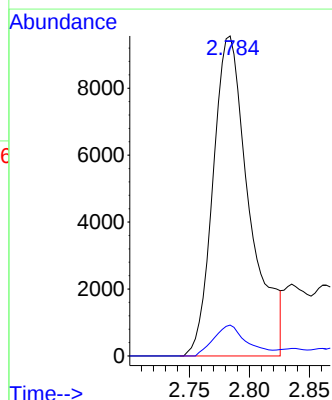
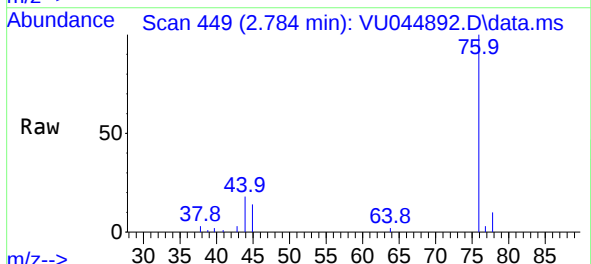
Instrument :
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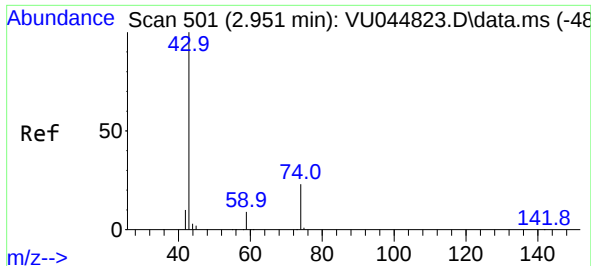
Tgt Ion: 43 Resp: 117472
Ion Ratio Lower Upper
43 100
58 30.8 25.2 37.8



#17
Carbon Disulfide
Concen: 2.973 ug/l
RT: 2.784 min Scan# 449
Delta R.T. -0.013 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 76 Resp: 20171
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0

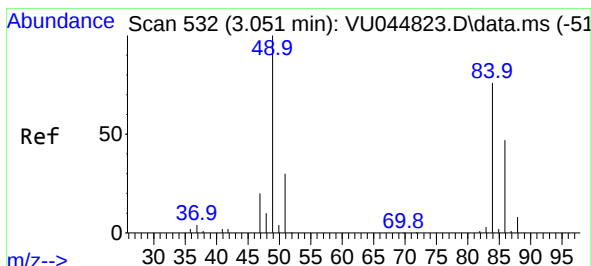
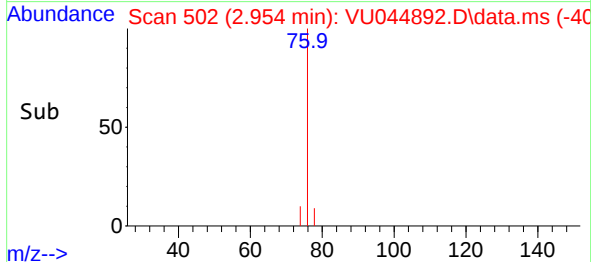
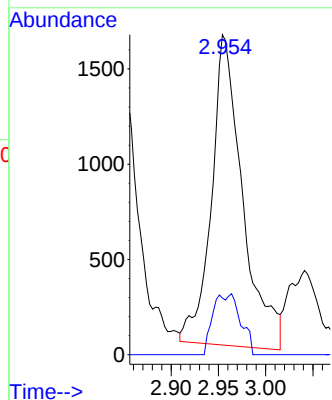
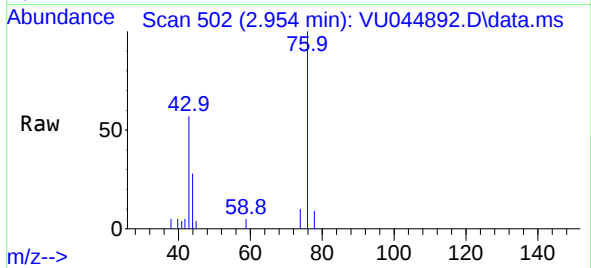




#18
Methyl Acetate
Concen: 0.566 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

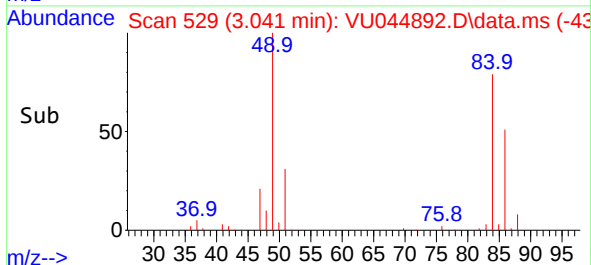
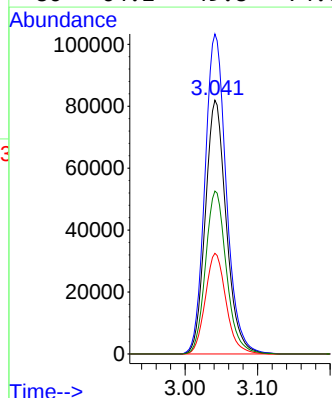
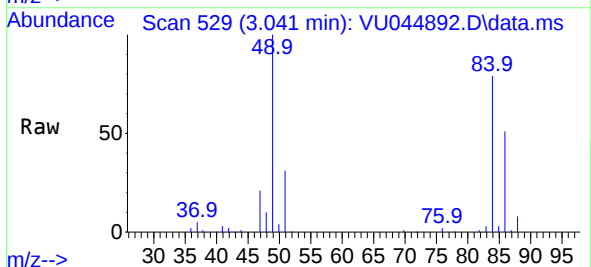
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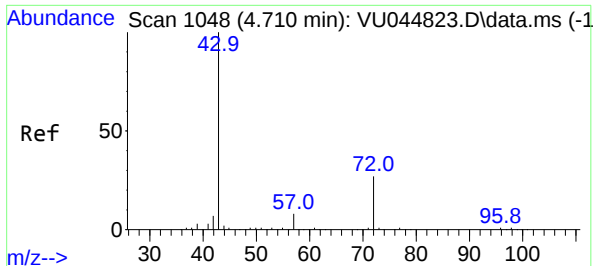
Tgt Ion: 43 Resp: 3729
Ion Ratio Lower Upper
43 100
74 8.7 19.0 28.6#



#20
Methylene Chloride
Concen: 51.545 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.010 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 84 Resp: 164517
Ion Ratio Lower Upper
84 100
49 126.1 104.9 157.3
51 39.7 31.8 47.8
86 64.2 49.8 74.6

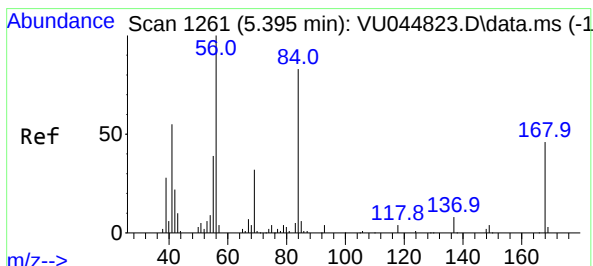
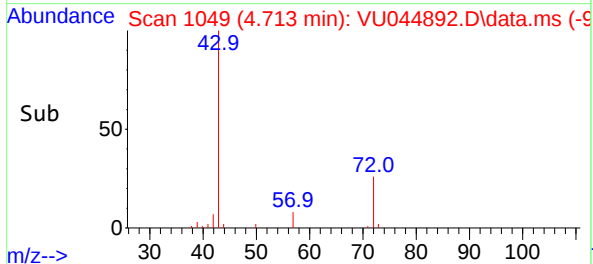
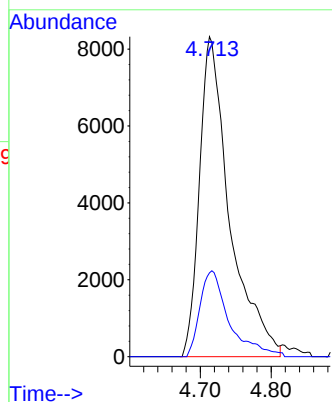
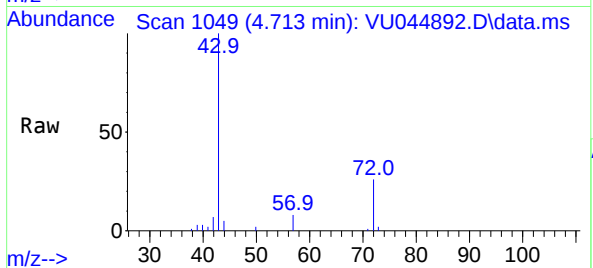




#25
2-Butanone
Concen: 8.225 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

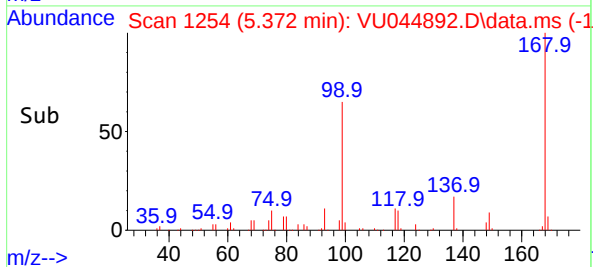
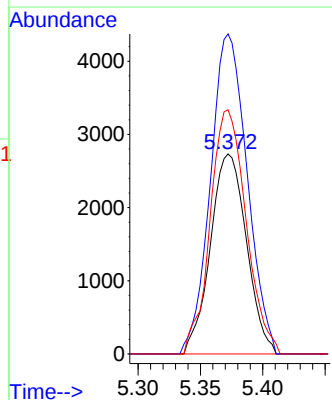
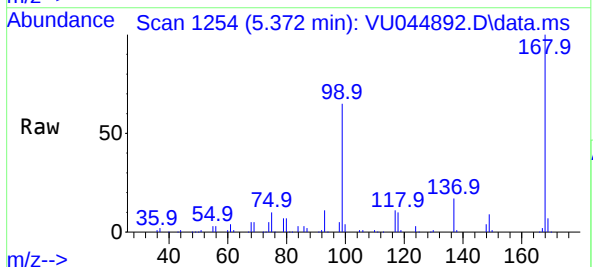
Instrument :
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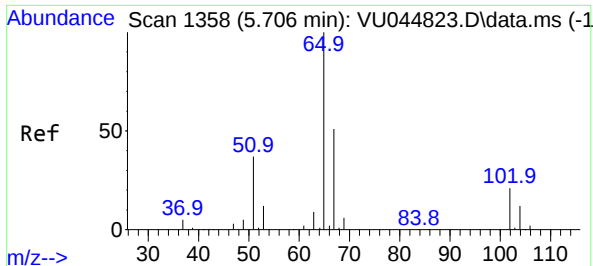
Tgt Ion: 43 Resp: 24607
Ion Ratio Lower Upper
43 100
72 26.2 21.3 31.9



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.022 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 56 Resp: 5503
Ion Ratio Lower Upper
56 100
69 160.0 25.2 37.8#
84 122.1 66.4 99.6#



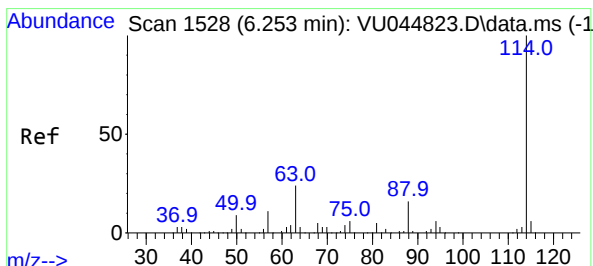
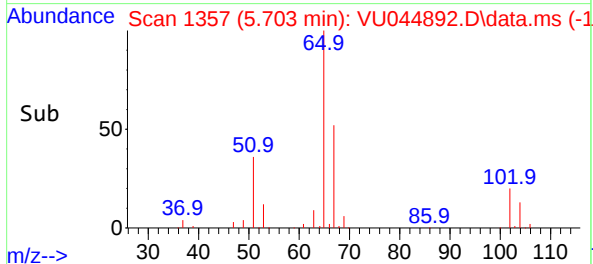
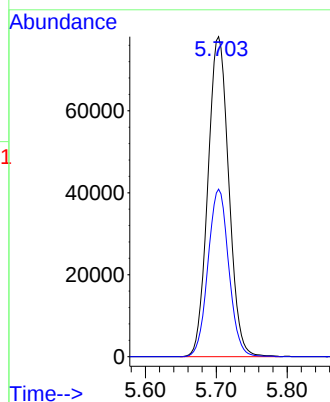
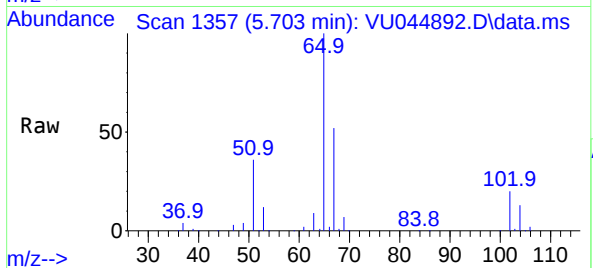


#33

1,2-Dichloroethane-d4
Concen: 45.724 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Instrument :
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ClientSampleId :
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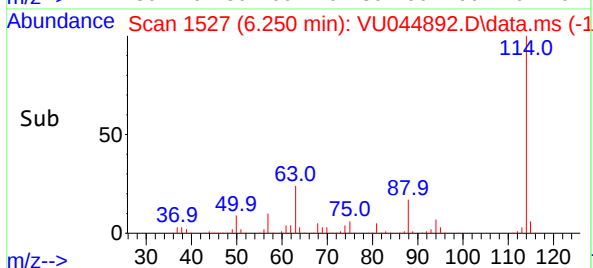
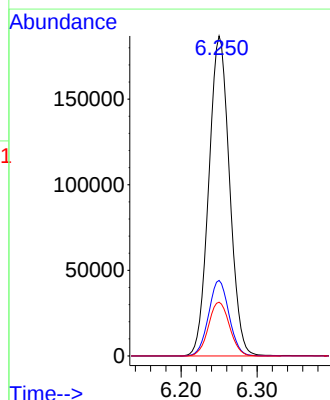
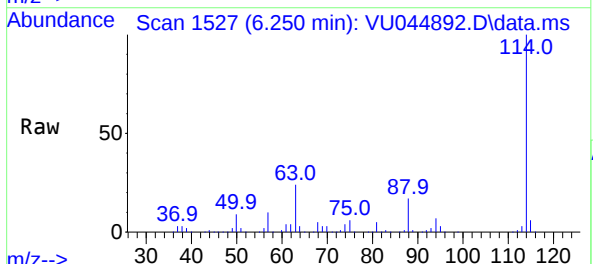
Tgt Ion: 65 Resp: 159826
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8

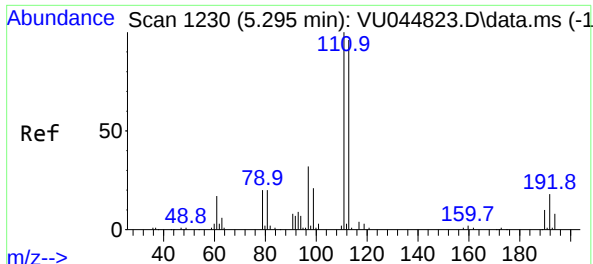


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 114 Resp: 353604
Ion Ratio Lower Upper
114 100
63 23.6 0.0 47.8
88 16.8 0.0 32.8



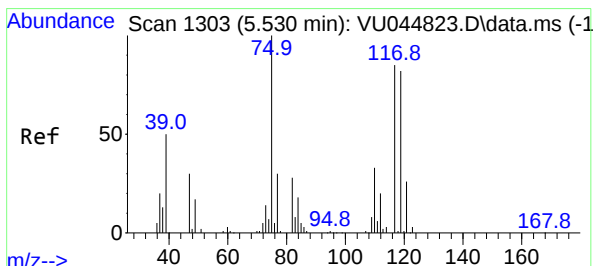
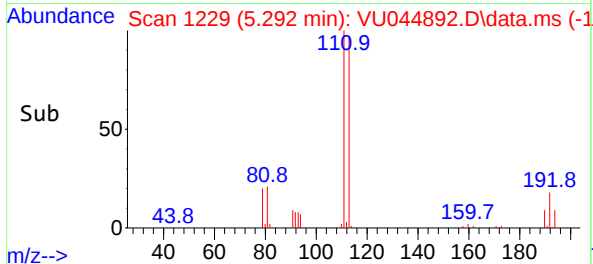
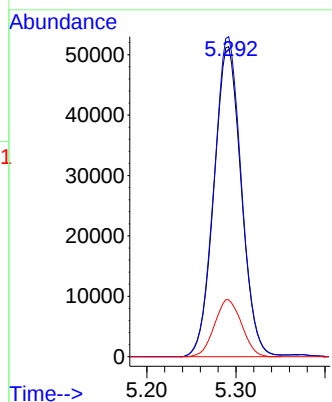
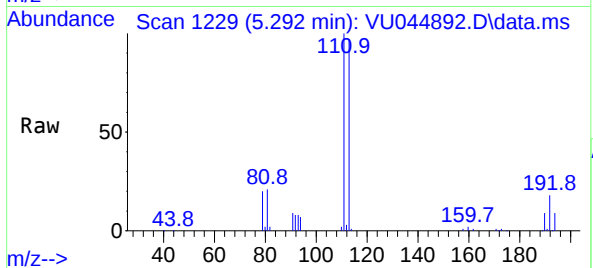


#35

Dibromofluoromethane
Concen: 44.960 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Instrument :
MSVOA_U
ClientSampleId :
20882DL

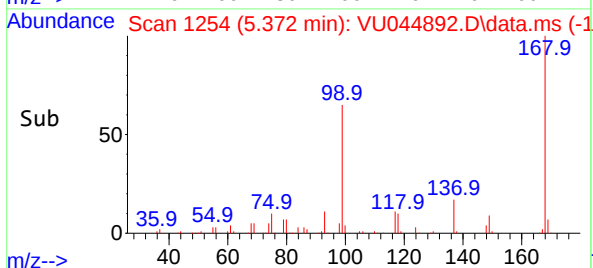
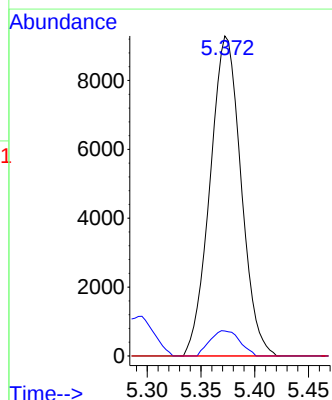
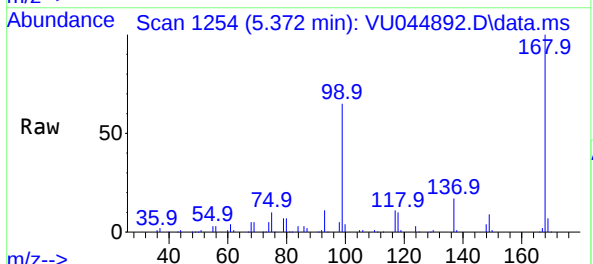
Tgt Ion:113 Resp: 109064
Ion Ratio Lower Upper
113 100
111 103.4 84.1 126.1
192 18.3 14.8 22.2

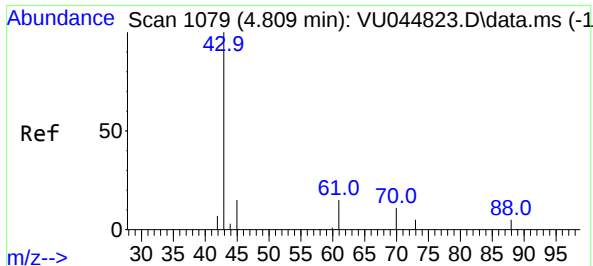


#36

1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.157 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 75 Resp: 18636
Ion Ratio Lower Upper
75 100
110 7.6 16.3 48.9#
77 0.0 25.0 37.4#

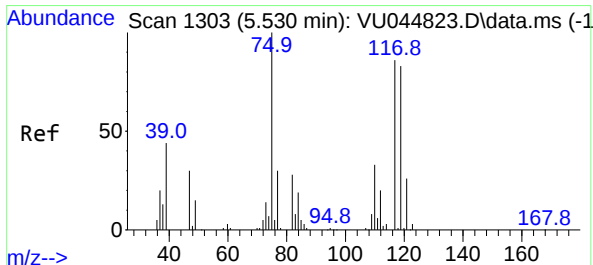
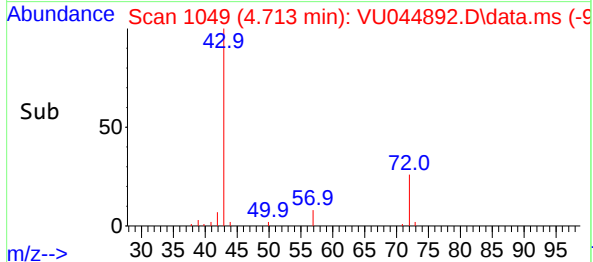
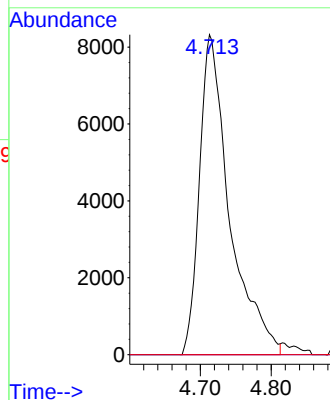
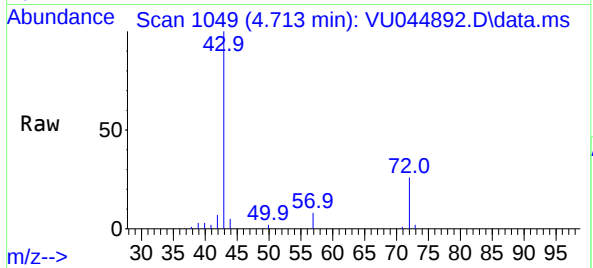




#37
Ethyl Acetate
Concen: 4.470 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.096 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

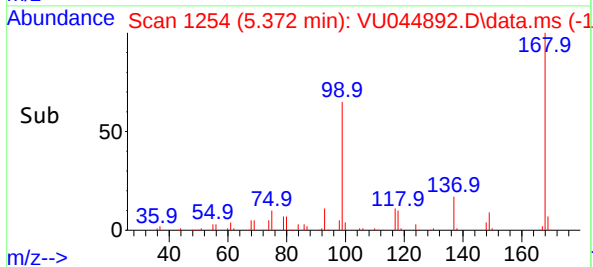
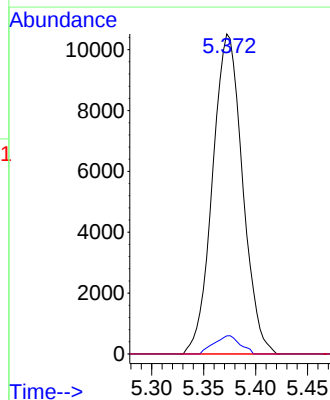
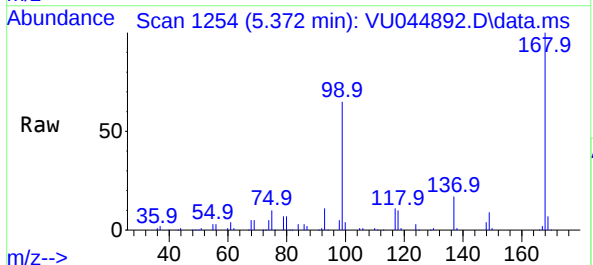
Instrument :
MSVOA_U
ClientSampled :
20882DL

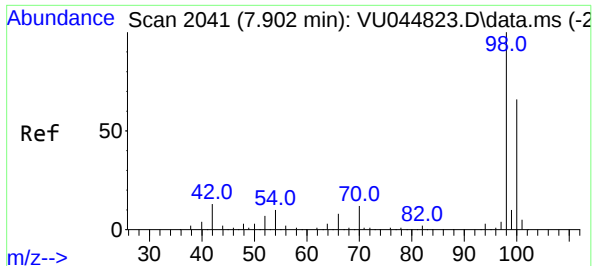
Tgt Ion:	43	Resp:	24607
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



#38
Carbon Tetrachloride
Concen: 6.300 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.157 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion:	117	Resp:	21132
Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.4	116.2#
121	0.0	24.5	36.7#

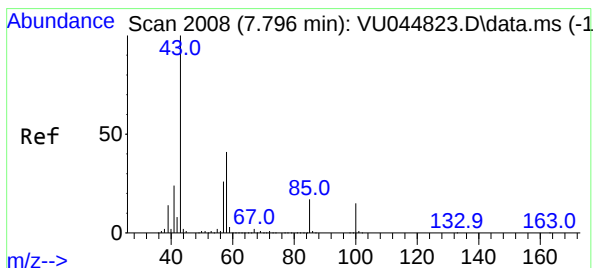
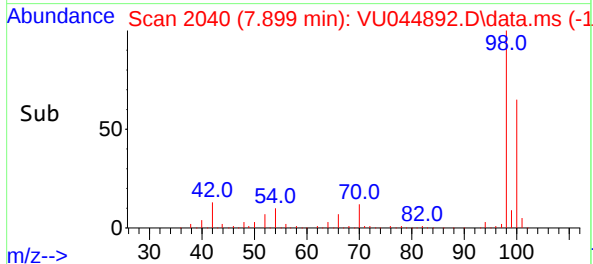
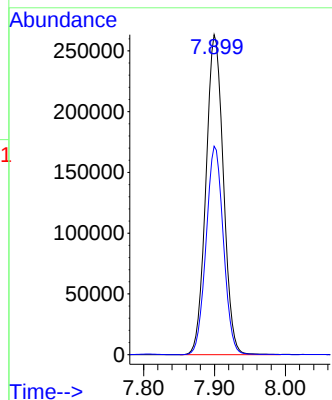
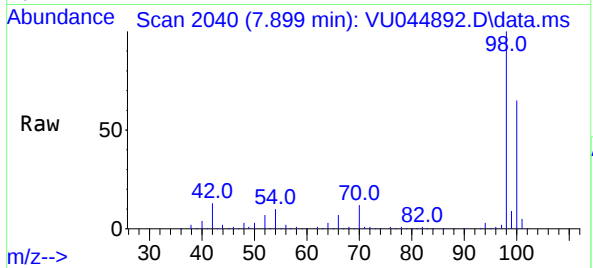




#50
Toluene-d8
Concen: 49.091 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

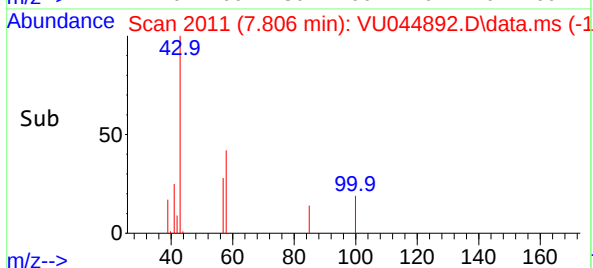
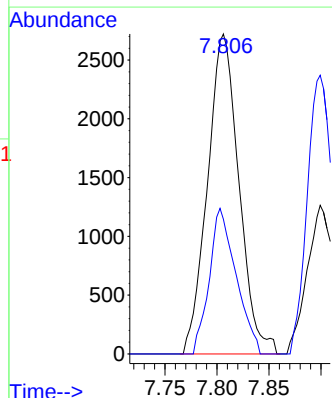
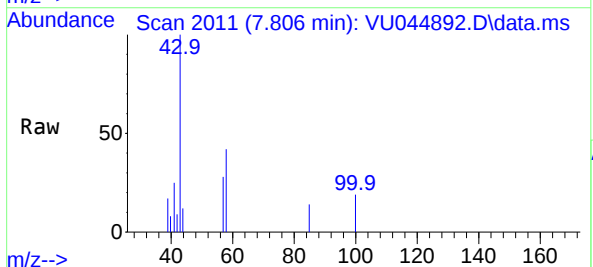
Instrument :
MSVOA_U
ClientSampleId :
20882DL

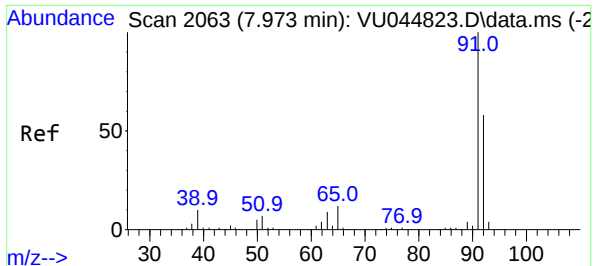
Tgt Ion: 98 Resp: 449755
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.044 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.010 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 43 Resp: 5729
Ion Ratio Lower Upper
43 100
58 38.6 32.4 48.6

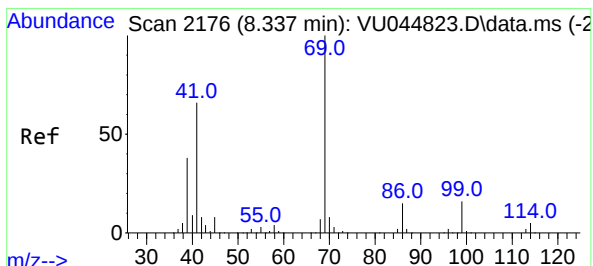
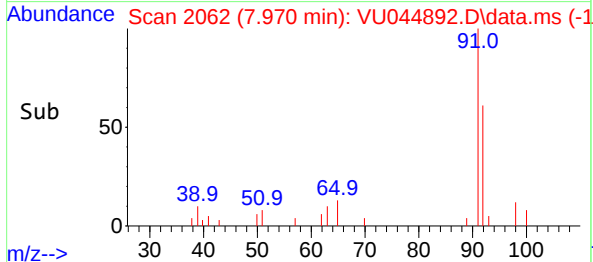
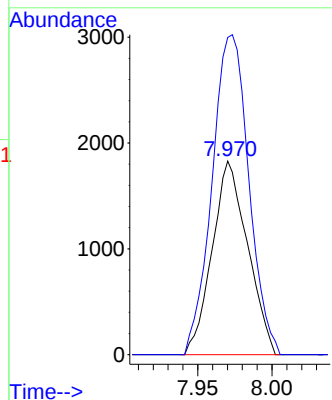
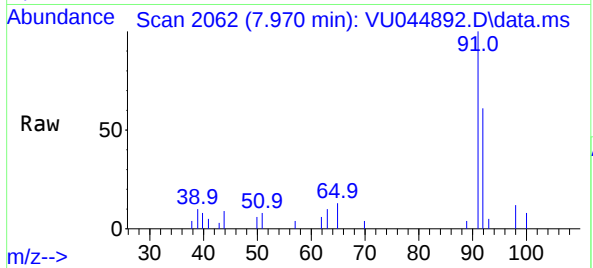




#52
Toluene
Concen: 0.444 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

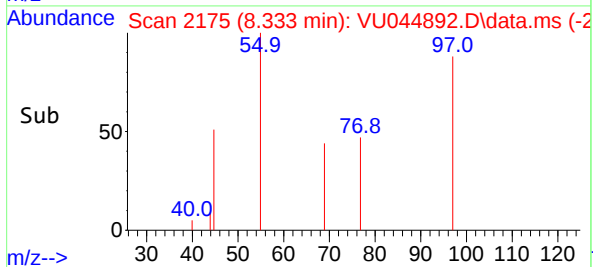
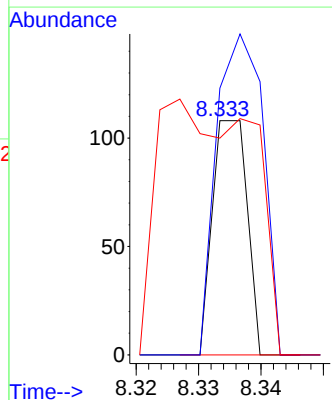
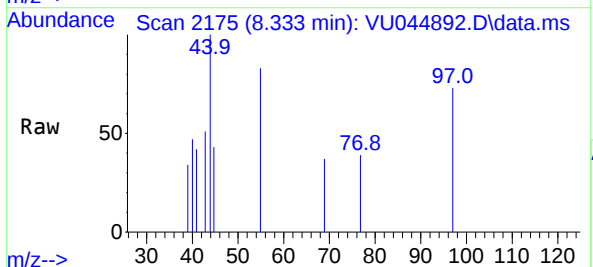
Instrument :
MSVOA_U
ClientSampled :
20882DL

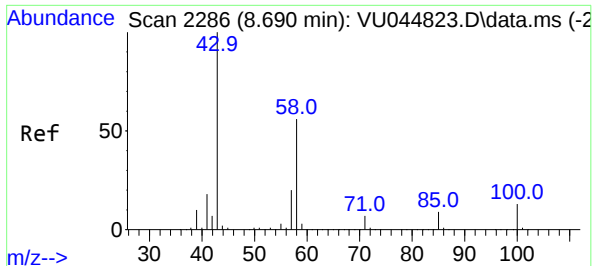
Tgt Ion: 92 Resp: 3036
Ion Ratio Lower Upper
92 100
91 171.5 136.9 205.3



#56
Ethyl methacrylate
Concen: 1.893 ug/l
RT: 8.333 min Scan# 2175
Delta R.T. -0.004 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 69 Resp: 42
Ion Ratio Lower Upper
69 100
41 183.3 53.5 80.3#
39 297.6 31.1 46.7#





#59

2-Hexanone

Concen: 0.994 ug/l

RT: 8.697 min Scan# 2288

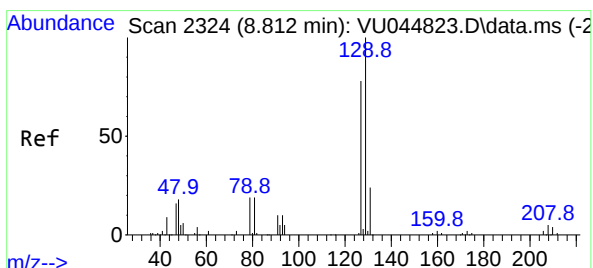
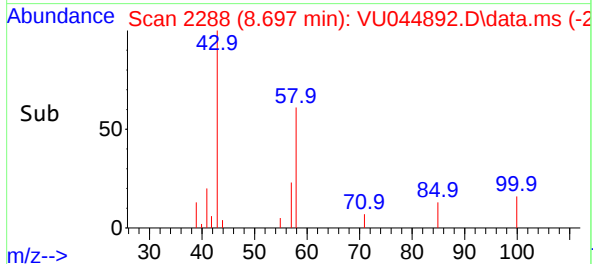
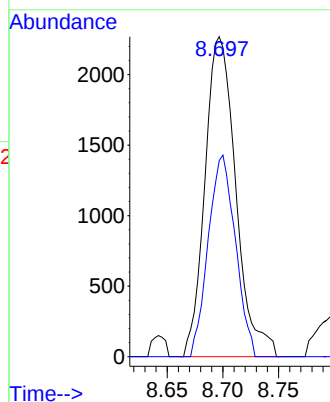
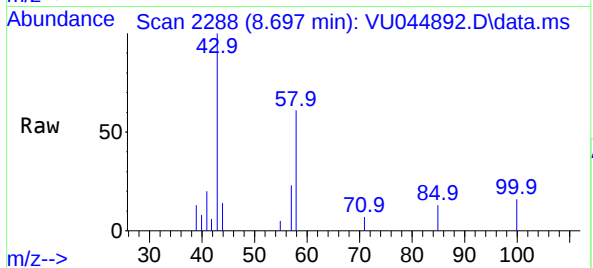
Delta R.T. 0.006 min

Lab File: VU044892.D

Acq: 27 Sep 2021 16:32

Instrument :
MSVOA_U
ClientSampled :
20882DL

Tgt Ion: 43 Resp: 4381
Ion Ratio Lower Upper
43 100
58 55.2 28.0 84.0



#60

Dibromochloromethane

Concen: 4.916 ug/l

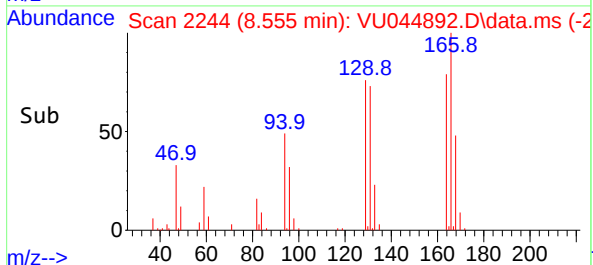
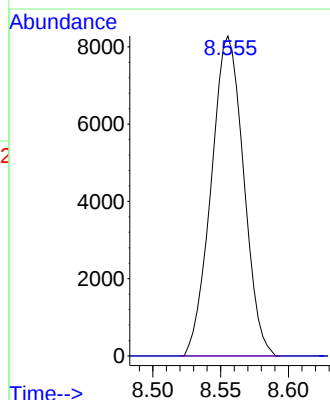
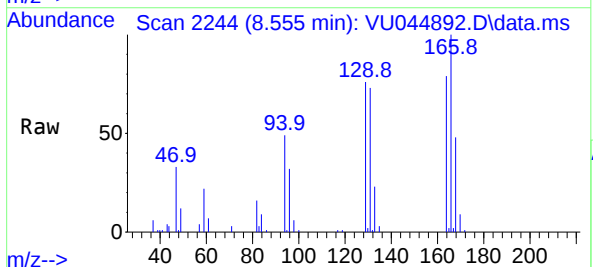
RT: 8.555 min Scan# 2244

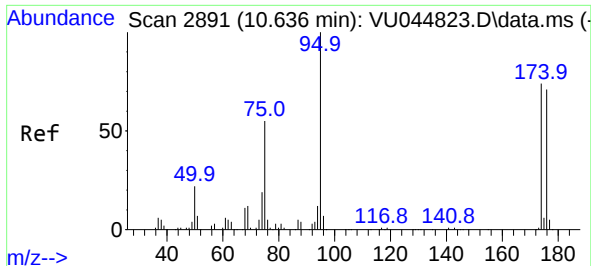
Delta R.T. -0.257 min

Lab File: VU044892.D

Acq: 27 Sep 2021 16:32

Tgt Ion: 129 Resp: 13765
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

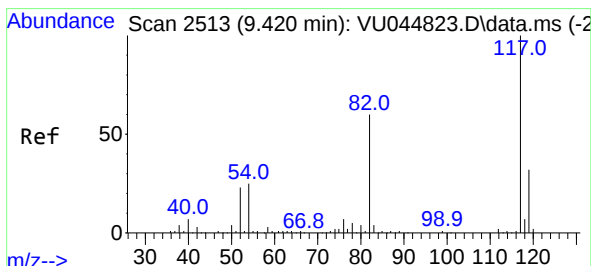
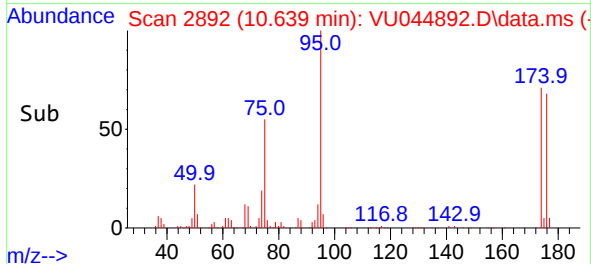
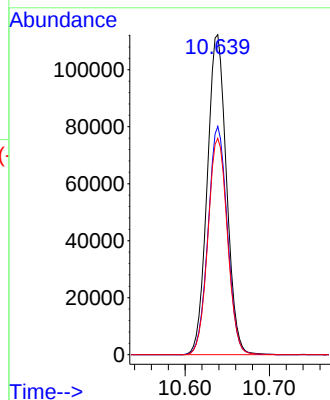
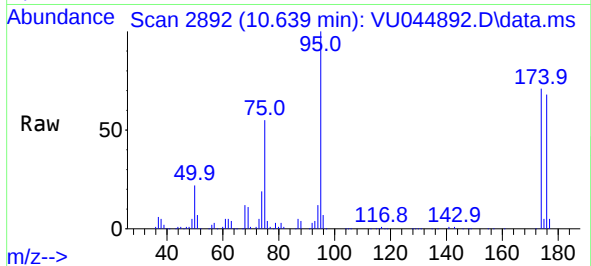




#62
4-Bromofluorobenzene
Concen: 52.498 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

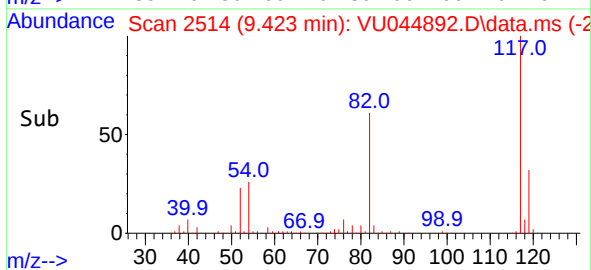
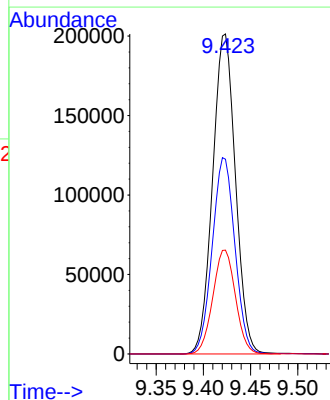
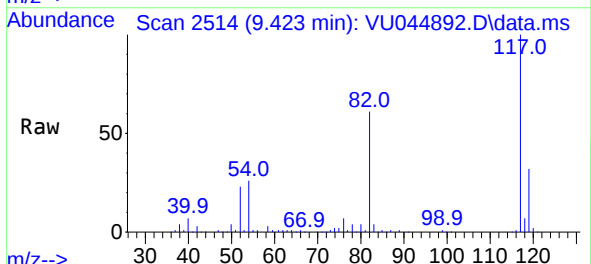
Instrument :
MSVOA_U
ClientSampleId :
20882DL

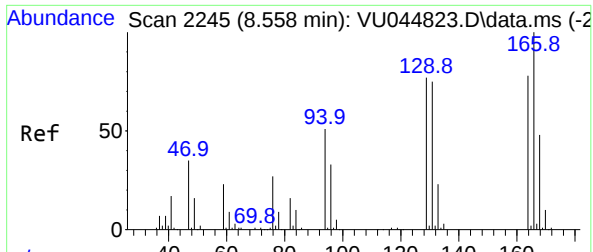
Tgt Ion: 95 Resp: 178641
Ion Ratio Lower Upper
95 100
174 71.3 0.0 146.6
176 68.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 117 Resp: 338475
Ion Ratio Lower Upper
117 100
82 60.9 47.8 71.8
119 32.4 25.8 38.6





#64

Tetrachloroethene

Concen: 6.264 ug/l

RT: 8.555 min Scan# 2244

Delta R.T. -0.003 min

Lab File: VU044892.D

Acq: 27 Sep 2021 16:32

Instrument :
MSVOA_U
ClientSampled :
20882DL

Tgt Ion:164 Resp: 14372

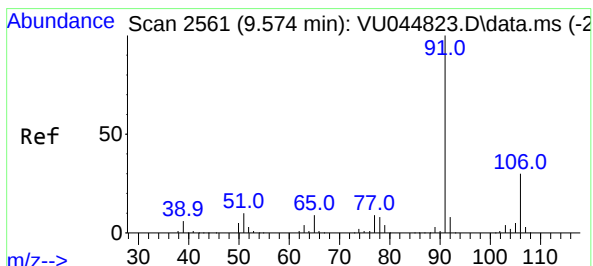
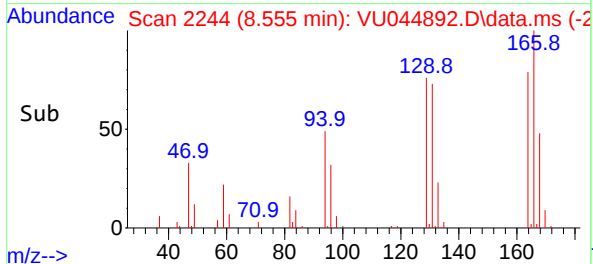
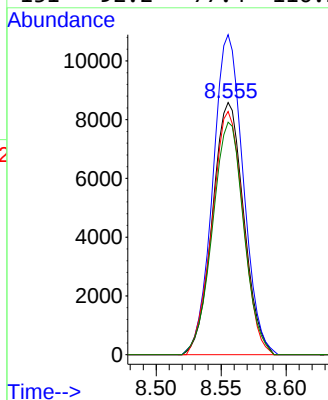
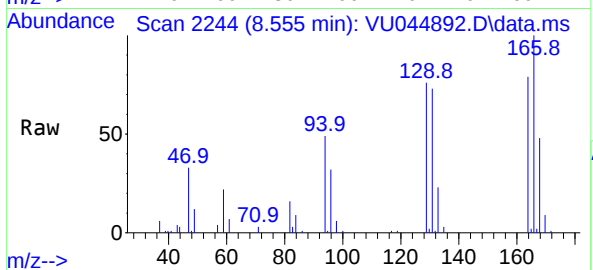
Ion Ratio Lower Upper

164 100

166 126.9 102.8 154.2

129 96.5 79.4 119.2

131 92.2 77.4 116.2



#67

Ethyl Benzene

Concen: 0.741 ug/l

RT: 9.575 min Scan# 2561

Delta R.T. 0.000 min

Lab File: VU044892.D

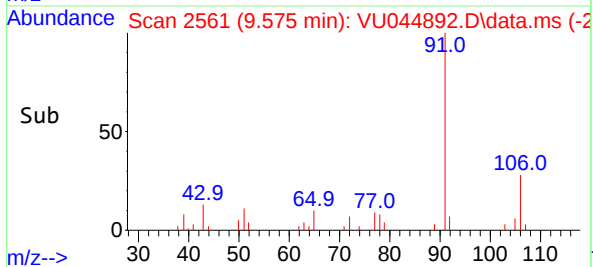
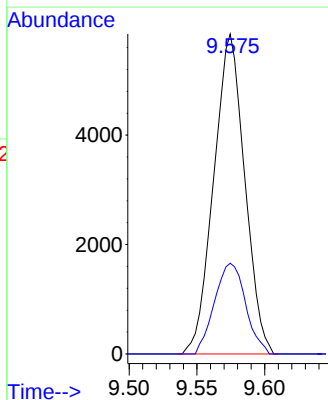
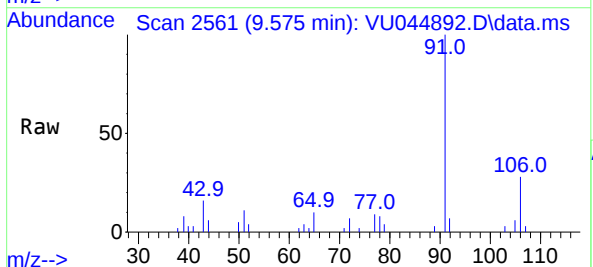
Acq: 27 Sep 2021 16:32

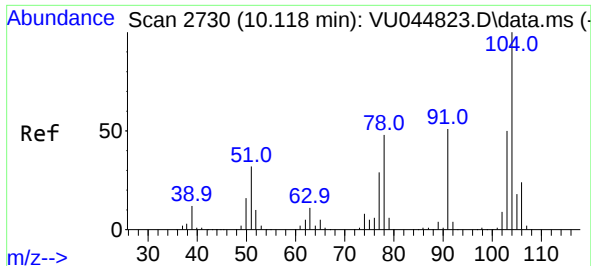
Tgt Ion: 91 Resp: 9292

Ion Ratio Lower Upper

91 100

106 28.3 24.3 36.5

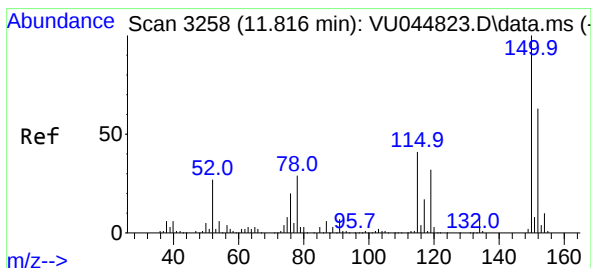
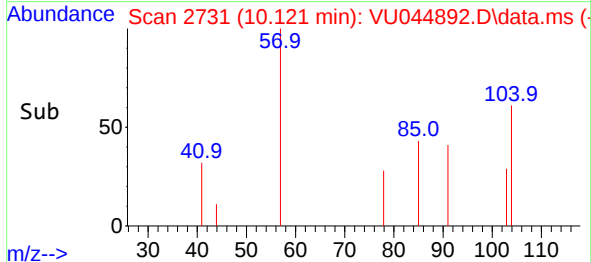
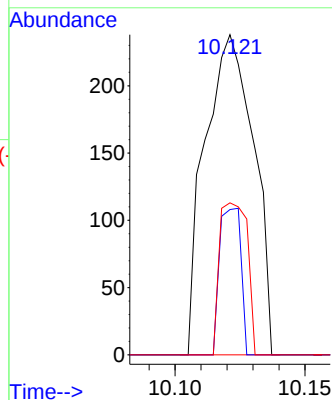
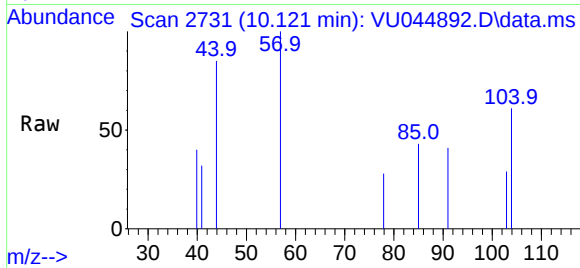




#70
Styrene
Concen: 1.046 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

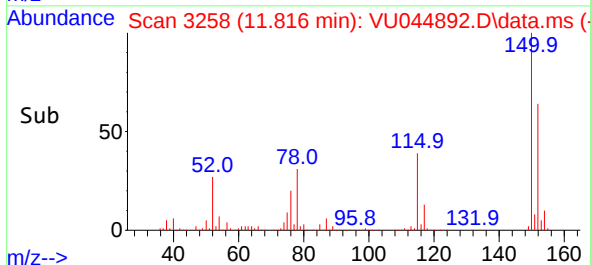
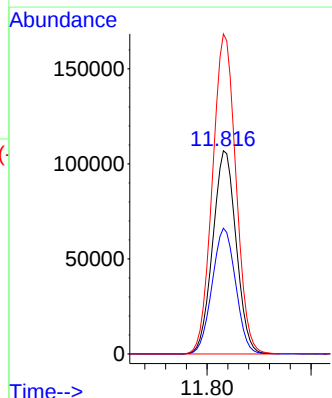
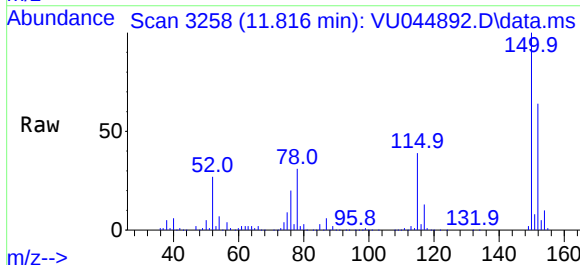
Instrument :
MSVOA_U
ClientSampled :
20882DL

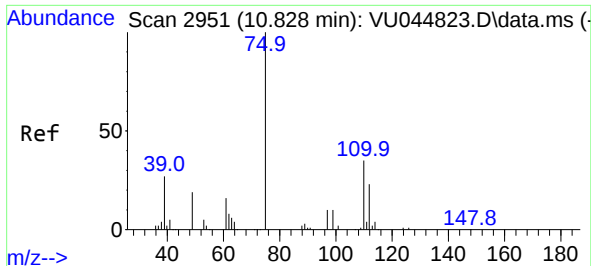
Tgt Ion:104 Resp: 310
Ion Ratio Lower Upper
104 100
78 20.0 41.4 62.0#
103 27.1 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion:152 Resp: 167345
Ion Ratio Lower Upper
152 100
115 62.2 43.5 130.7
150 157.8 0.0 350.0

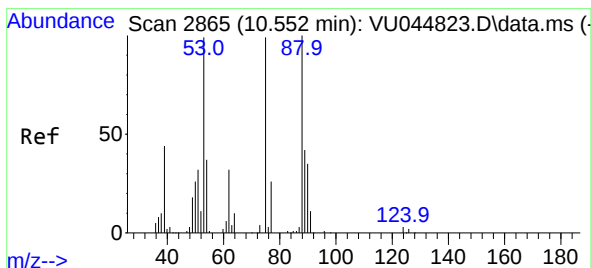
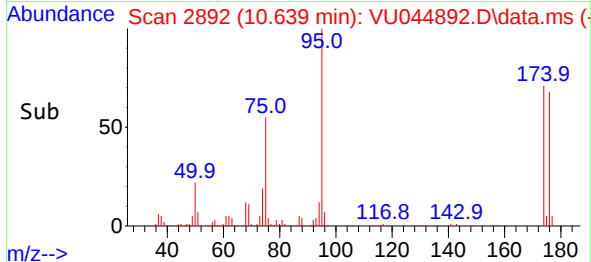
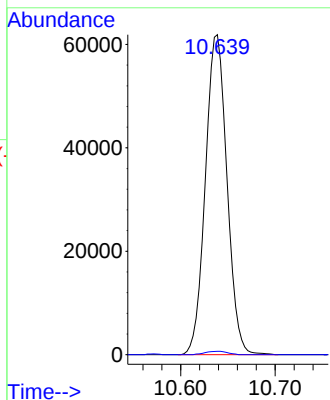
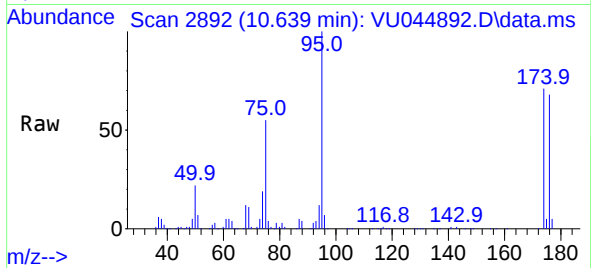




#76
1,2,3-Trichloropropane
Concen: 19.384 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.190 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

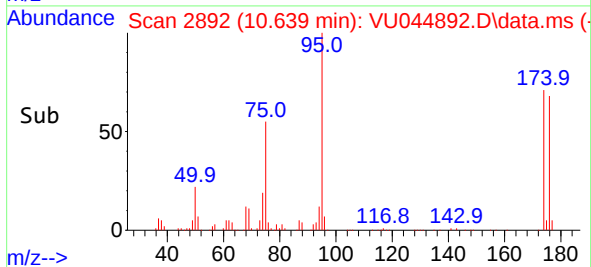
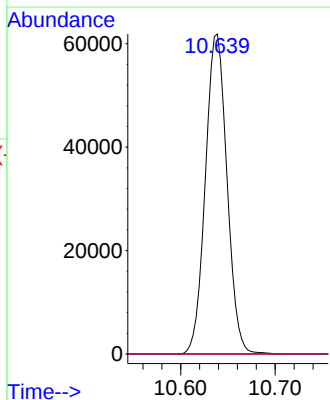
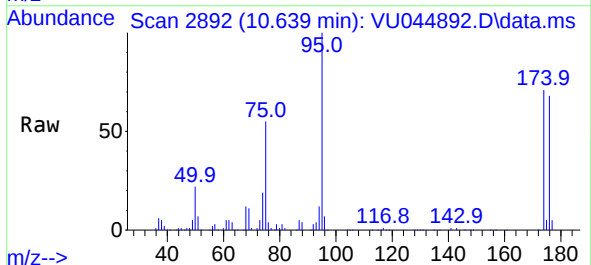
Instrument :
MSVOA_U
ClientSampled :
20882DL

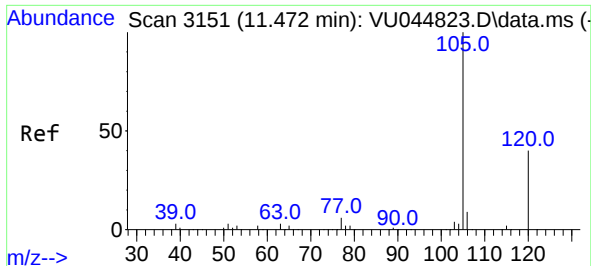
Tgt Ion: 75 Resp: 98230
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.795 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 75 Resp: 98230
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

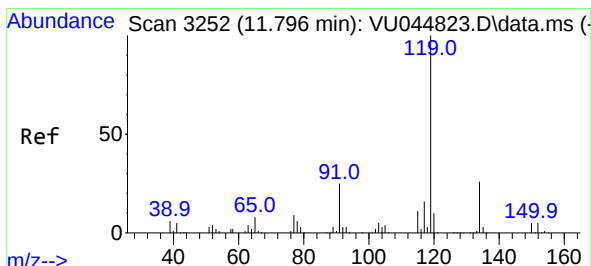
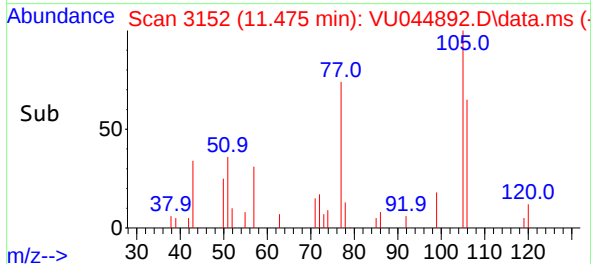
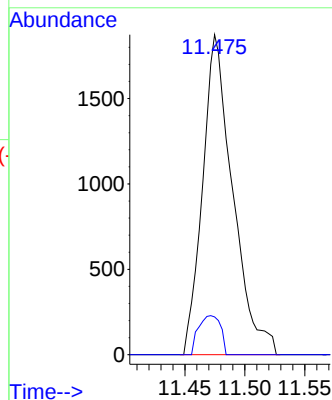
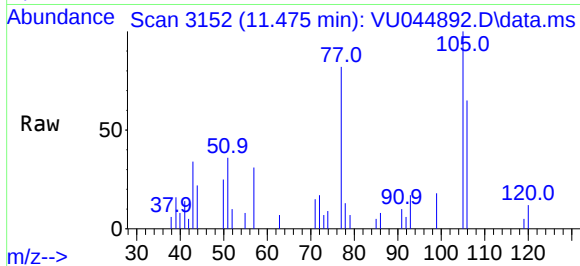




#84
1,2,4-Trimethylbenzene
Concen: 0.330 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

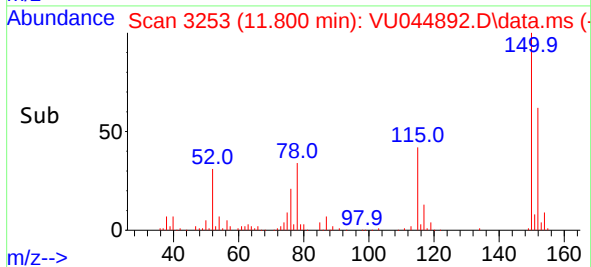
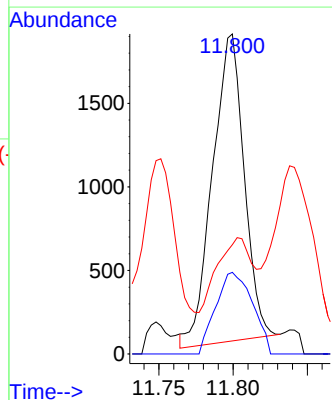
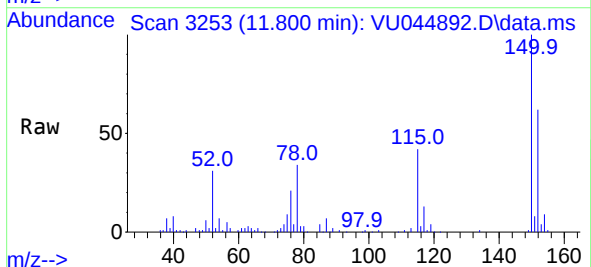
Instrument :
MSVOA_U
ClientSampled :
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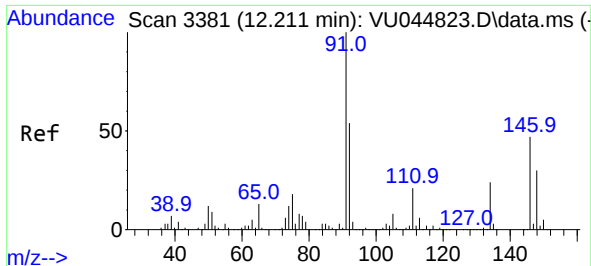
Tgt Ion:105 Resp: 3275
Ion Ratio Lower Upper
105 100
120 8.9 22.4 67.3#



#86
p-Isopropyltoluene
Concen: 0.267 ug/l
RT: 11.800 min Scan# 3253
Delta R.T. 0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion:119 Resp: 2726
Ion Ratio Lower Upper
119 100
134 30.9 12.8 38.3
91 46.9 12.2 36.6#

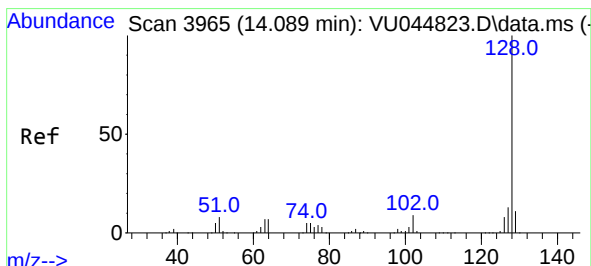
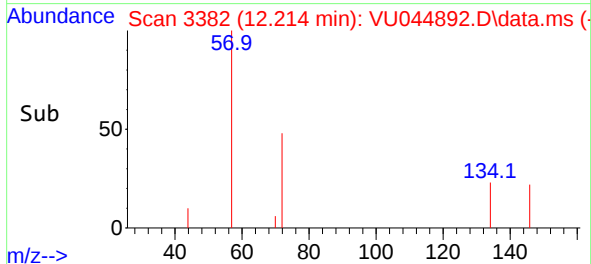
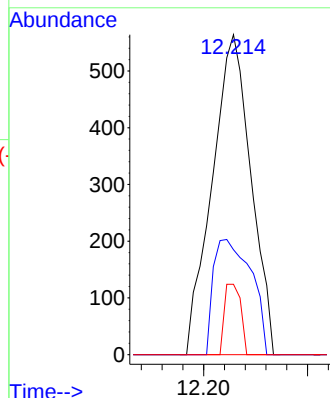
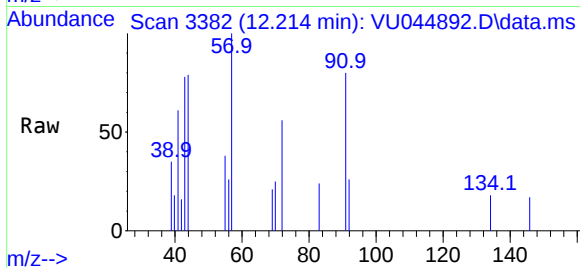




#89
n-Butylbenzene
Concen: 1.343 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Instrument :
MSVOA_U
ClientSampled :
20882DL

Tgt Ion: 91	Resp:	730
Ion Ratio	Lower	Upper
91	100	
92	34.9	26.8 80.4
134	9.2	11.8 35.4#



#95
Naphthalene
Concen: 1.571 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044892.D
Acq: 27 Sep 2021 16:32

Tgt Ion: 128	Resp:	8212
Ion Ratio	Lower	Upper
128	100	
127	12.3	10.4 15.6
129	10.8	8.6 13.0

