

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045379.D
 Acq On : 25 Oct 2021 13:04
 Operator : SY/MD
 Sample : PB140151TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:41:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

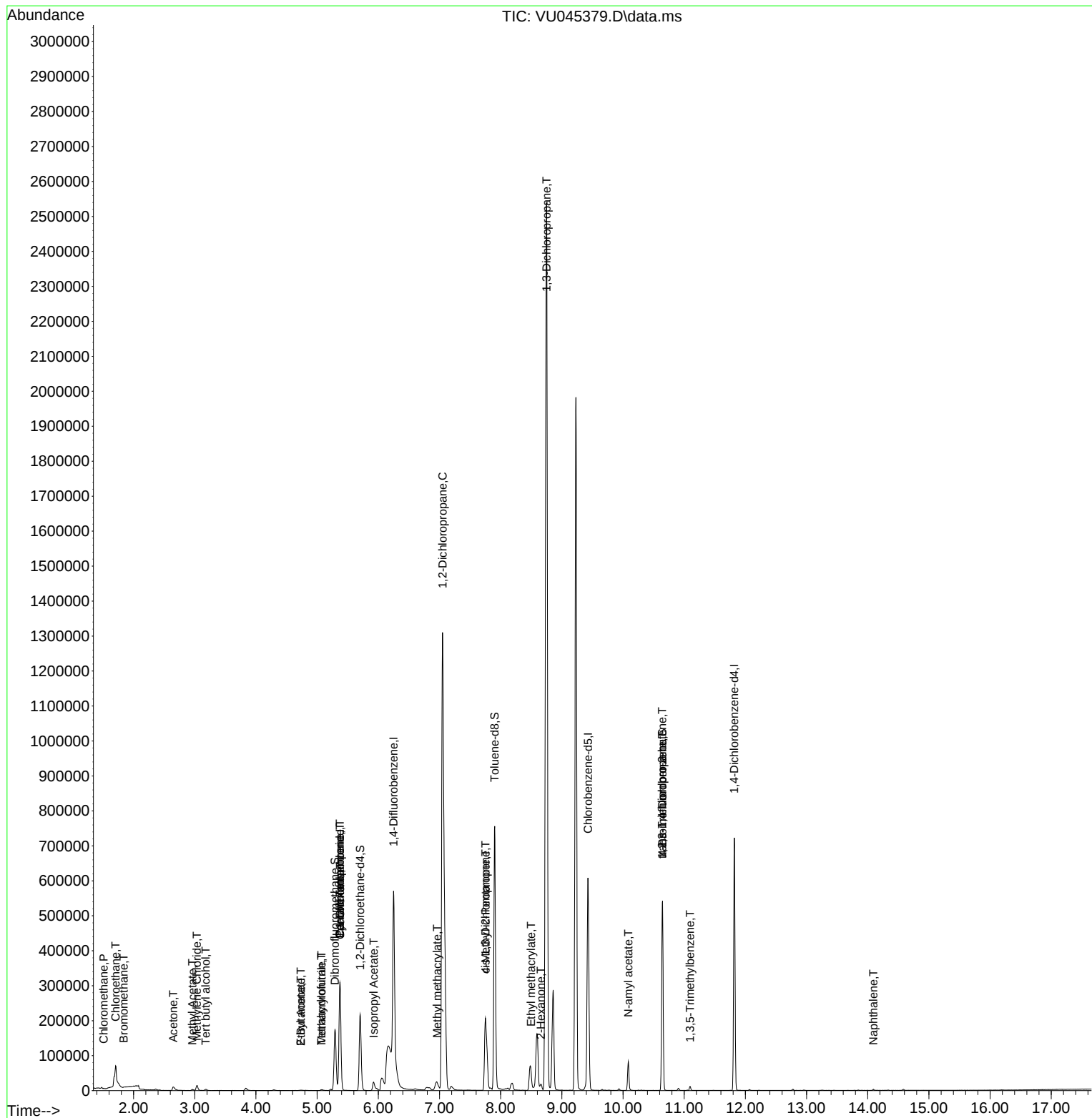
Internal Standards						
1) Pentafluorobenzene	5.372	168	220019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	422147	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	392643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	175682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	177647	48.504	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.000%		
35) Dibromofluoromethane	5.292	113	127575	47.906	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.820%		
50) Toluene-d8	7.903	98	527594	50.141	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.280%		
62) 4-Bromofluorobenzene	10.645	95	196463	45.225	ug/l	0.01
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.460%		
Target Compounds						Qvalue
3) Chloromethane	1.514	50	846	0.240	ug/l	97
5) Bromomethane	1.839	94	294	0.213	ug/l	94
6) Chloroethane	1.707	64	132752	49.040	ug/l #	51
11) Tert butyl alcohol	3.179	59	2416	2.298	ug/l #	72
16) Acetone	2.649	43	19331	8.892	ug/l	96
18) Methyl Acetate	2.961	43	5383	0.847	ug/l	91
20) Methylene Chloride	3.035	84	7985	2.439	ug/l	93
25) 2-Butanone	4.736	43	3414	1.105	ug/l	96
29) Tetrahydrofuran	5.070	42	2268	1.234	ug/l #	75
31) Cyclohexane	5.375	56	5539	0.996	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20475	4.638	ug/l #	49
37) Ethyl Acetate	4.736	43	3414	0.584	ug/l #	69
38) Carbon Tetrachloride	5.372	117	22776	5.962	ug/l #	16
41) Methacrylonitrile	5.073	41	1132	0.376	ug/l #	39
43) Isopropyl Acetate	5.925	43	36074	4.105	ug/l	99
45) 1,2-Dichloropropane	7.051	63	2149	0.616	ug/l #	45
48) Methyl methacrylate	6.961	41	10310	2.410	ug/l #	14
49) 1,4-Dioxane	7.044	88	191	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.752	43	127656	19.954	ug/l #	45
54) cis-1,3-Dichloropropene	7.752	75	61710	11.362	ug/l #	56
56) Ethyl methacrylate	8.498	69	206	1.851	ug/l #	1
57) 1,3-Dichloropropane	8.748	76	37255	6.088	ug/l #	43
59) 2-Hexanone	8.658	43	18258	3.505	ug/l #	23
74) N-amyl acetate	10.086	43	25848	3.924	ug/l #	50
76) 1,2,3-Trichloropropane	10.642	75	103320	20.163	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.095	105	6804	0.594	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.642	75	103320	55.955	ug/l #	9
95) Naphthalene	14.092	128	2879	0.222	ug/l #	90

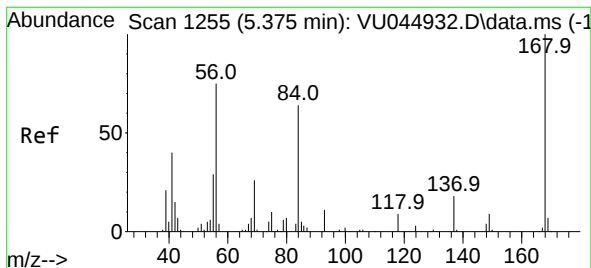
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.003 min

Lab File: VU045379.D

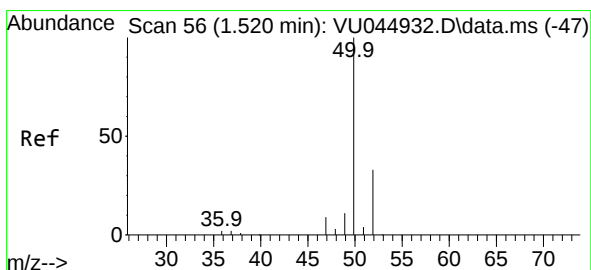
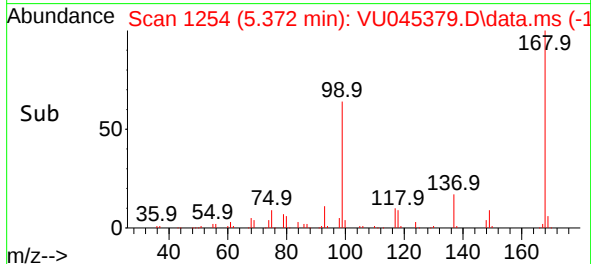
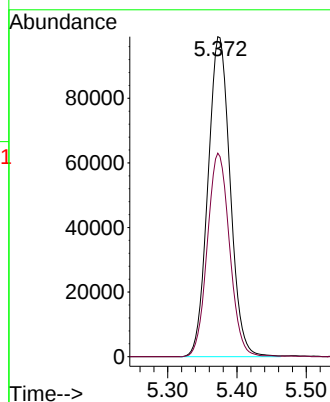
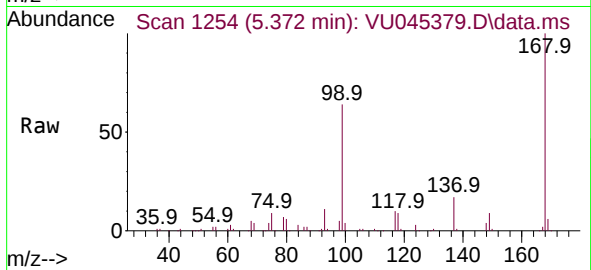
Acq: 25 Oct 2021 13:04

Tgt Ion:168 Resp: 220019

Ion Ratio Lower Upper

168 100

99 63.6 51.4 77.0



#3

Chloromethane

Concen: 0.240 ug/l

RT: 1.514 min Scan# 54

Delta R.T. -0.006 min

Lab File: VU045379.D

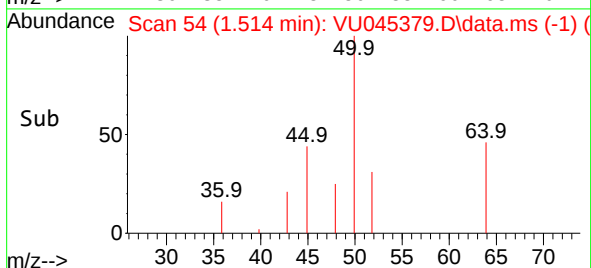
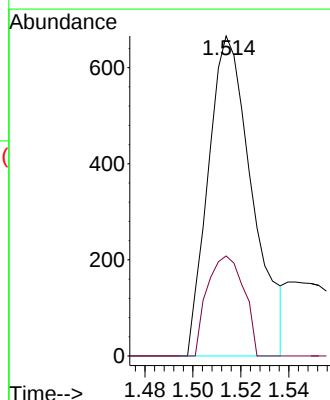
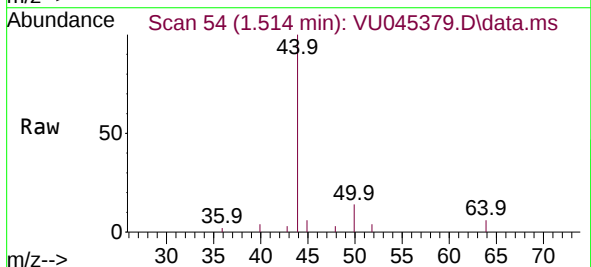
Acq: 25 Oct 2021 13:04

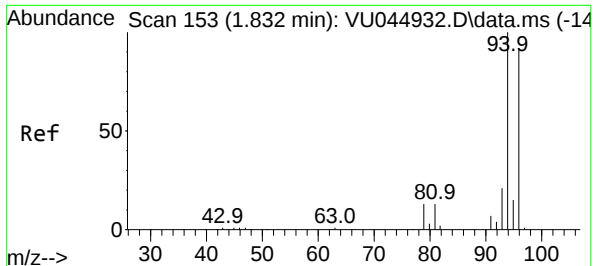
Tgt Ion: 50 Resp: 846

Ion Ratio Lower Upper

50 100

52 31.2 26.3 39.5

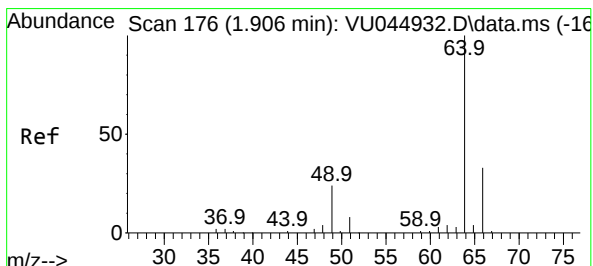
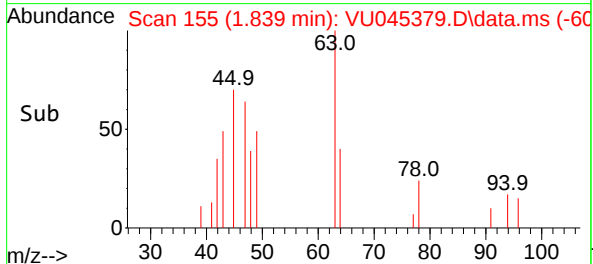
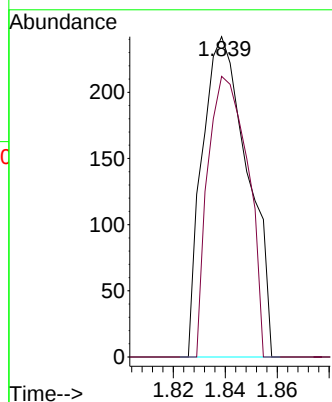
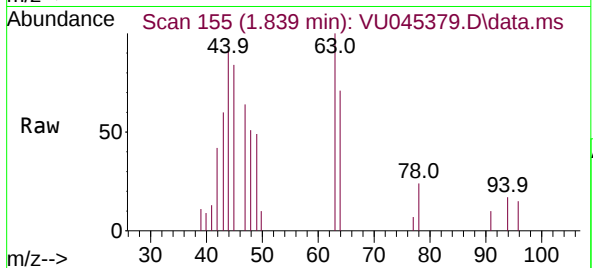




#5
Bromomethane
Concen: 0.213 ug/l
RT: 1.839 min Scan# 155
Delta R.T. 0.007 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

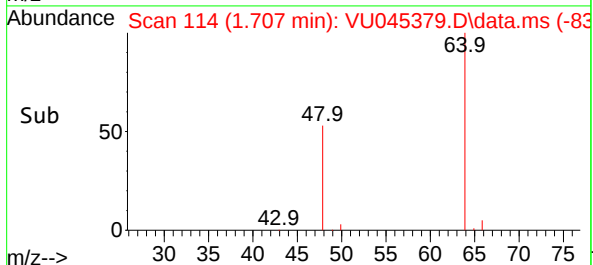
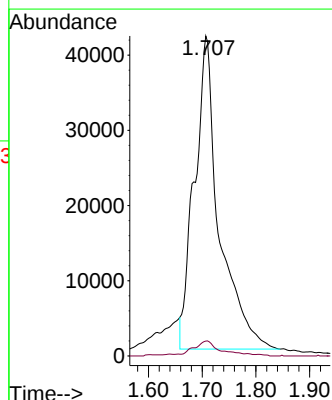
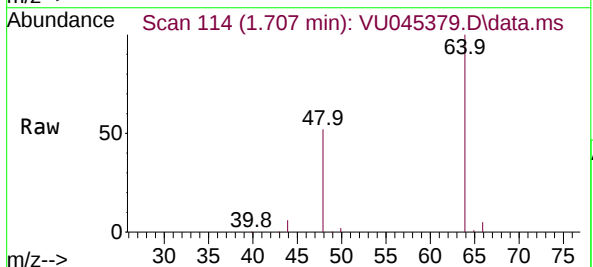
Instrument :
MSVOA_U
ClientSampleId :

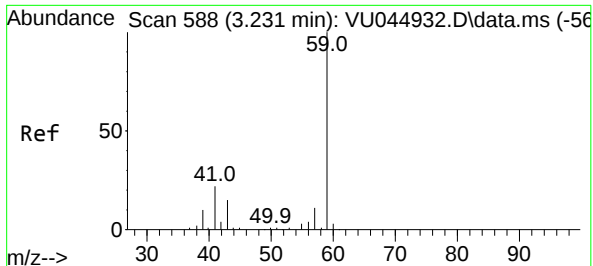
Tgt Ion: 94 Resp: 294
Ion Ratio Lower Upper
94 100
96 87.6 74.5 111.7



#6
Chloroethane
Concen: 49.040 ug/l
RT: 1.707 min Scan# 114
Delta R.T. -0.199 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion: 64 Resp: 132752
Ion Ratio Lower Upper
64 100
66 4.8 25.8 38.8#



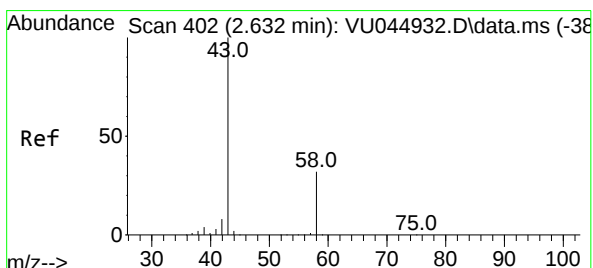
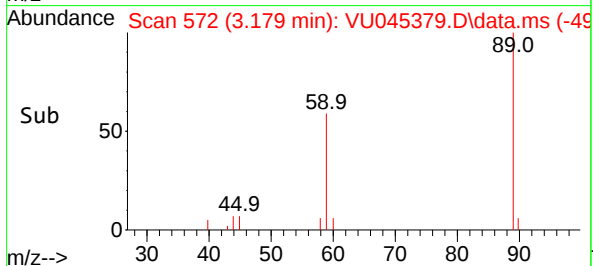
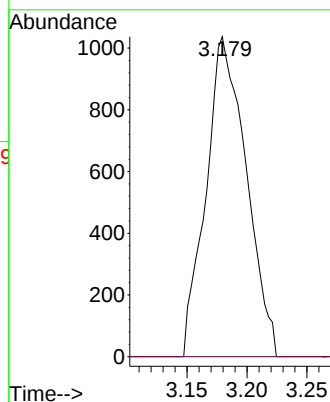
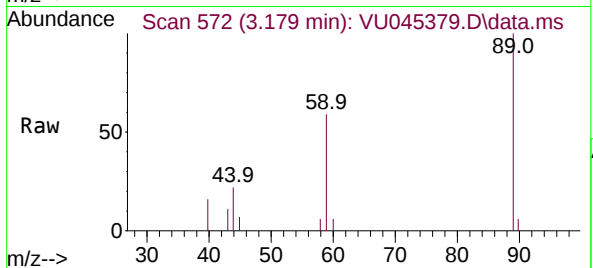


#11

Tert butyl alcohol
Concen: 2.298 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.052 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Instrument :
MSVOA_U
ClientSampleId :

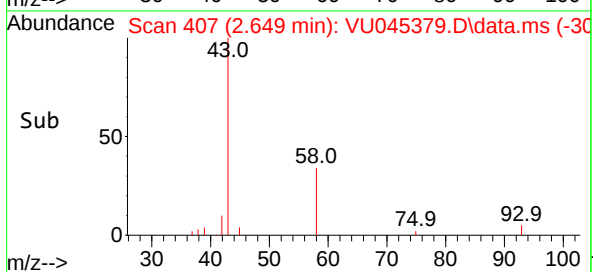
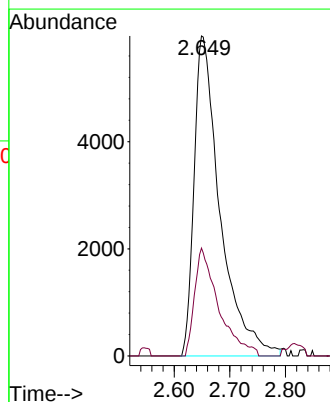
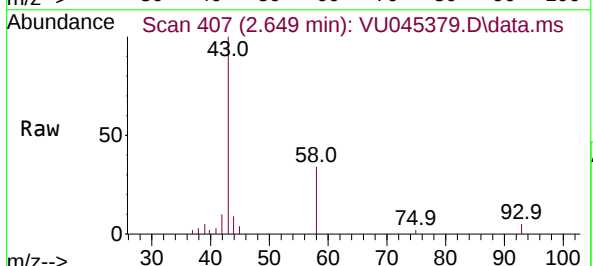
Tgt Ion: 59 Resp: 2416
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

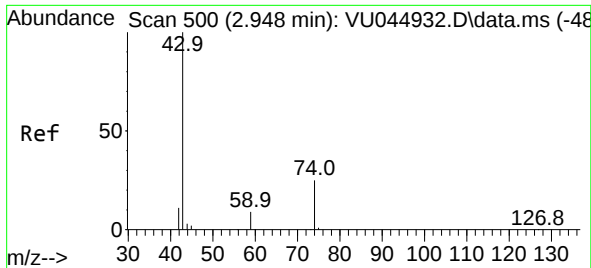


#16

Acetone
Concen: 8.892 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.017 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

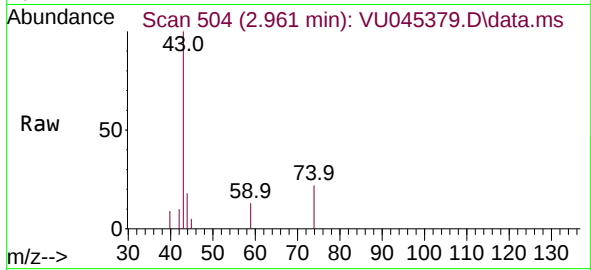
Tgt Ion: 43 Resp: 19331
Ion Ratio Lower Upper
43 100
58 33.7 25.2 37.8



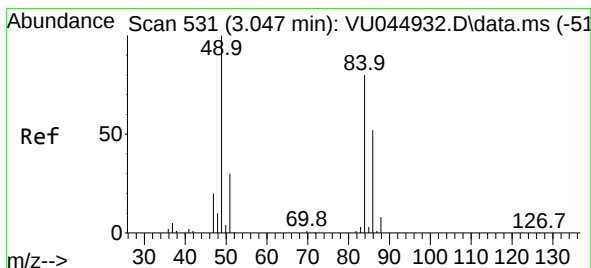
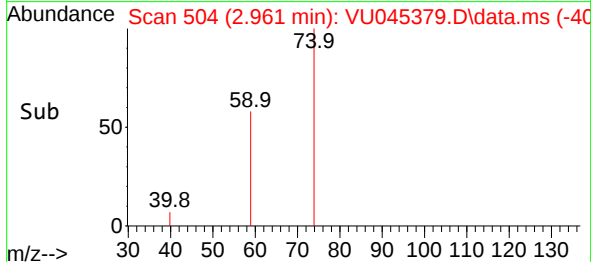
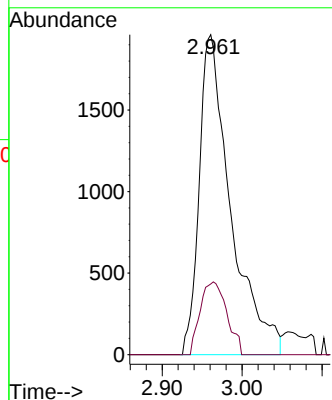


#18
Methyl Acetate
Concen: 0.847 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Instrument :
MSVOA_U
ClientSampled :

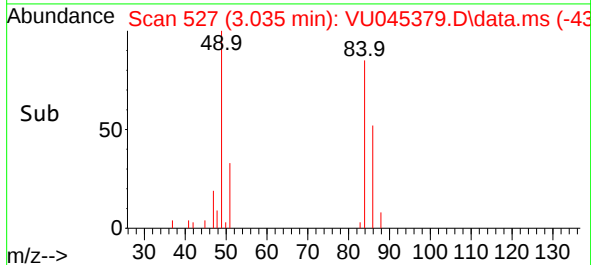
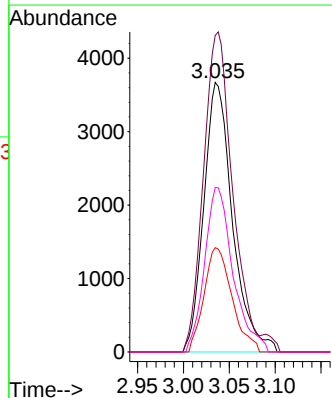
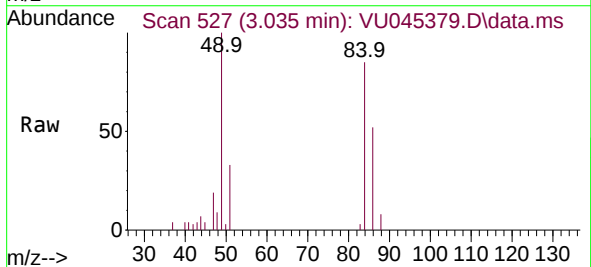


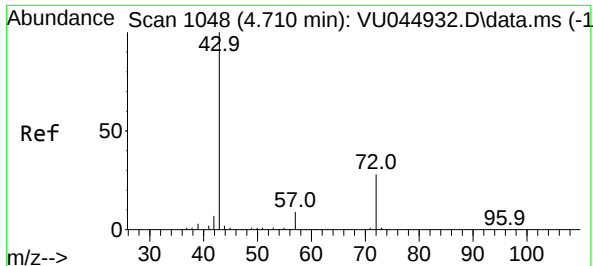
Tgt Ion: 43 Resp: 5383
Ion Ratio Lower Upper
43 100
74 19.2 19.0 28.6



#20
Methylene Chloride
Concen: 2.439 ug/l
RT: 3.035 min Scan# 527
Delta R.T. -0.012 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion: 84 Resp: 7985
Ion Ratio Lower Upper
84 100
49 117.5 104.9 157.3
51 38.7 31.8 47.8
86 61.0 49.8 74.6

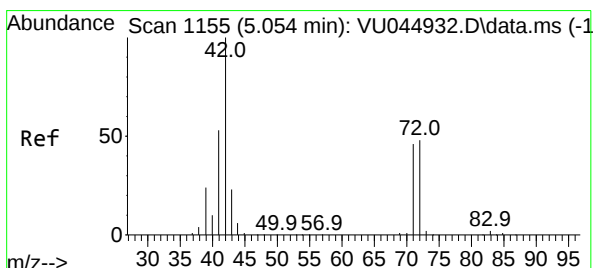
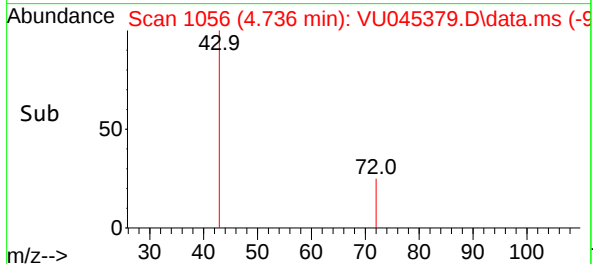
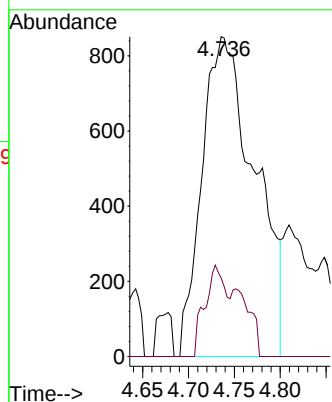
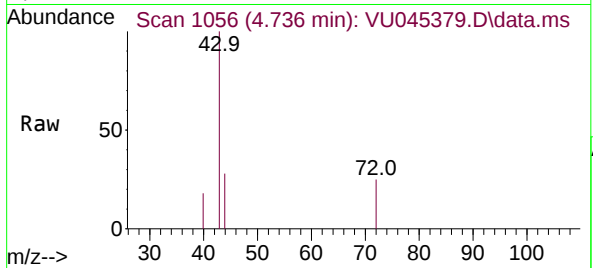




#25
2-Butanone
Concen: 1.105 ug/l
RT: 4.736 min Scan# 1056
Delta R.T. 0.026 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

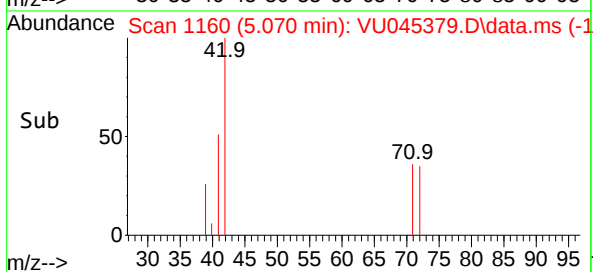
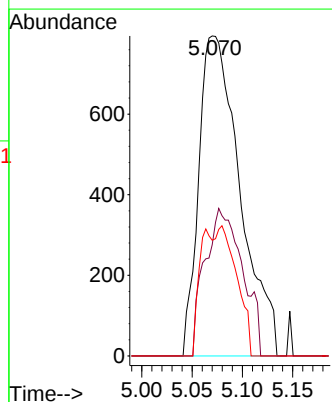
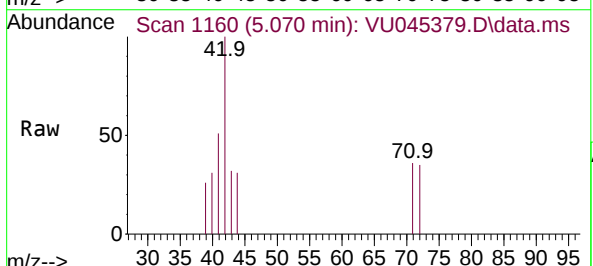
Instrument :
MSVOA_U
ClientSampled :

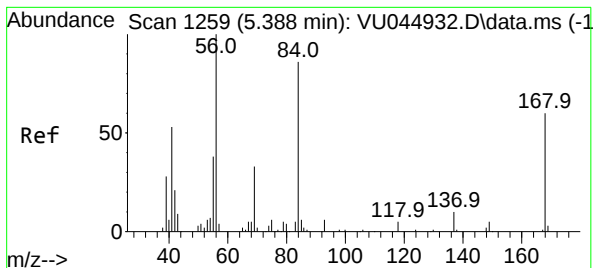
Tgt Ion: 43 Resp: 3414
Ion Ratio Lower Upper
43 100
72 24.6 21.3 31.9



#29
Tetrahydrofuran
Concen: 1.234 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.016 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion: 42 Resp: 2268
Ion Ratio Lower Upper
42 100
72 41.8 36.2 54.4
71 13.1 34.1 51.1#





#31

Cyclohexane

Concen: 0.996 ug/l

RT: 5.375 min Scan# 1255

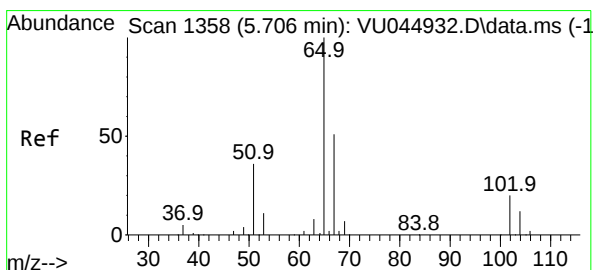
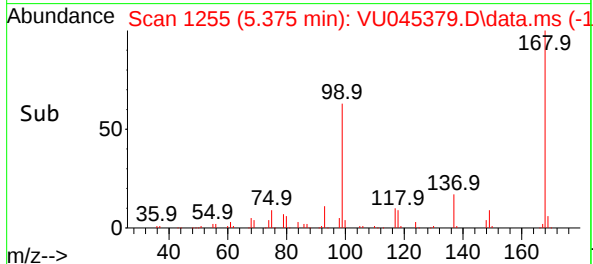
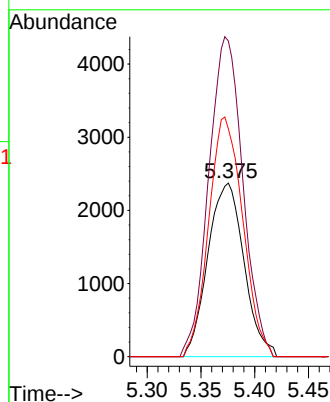
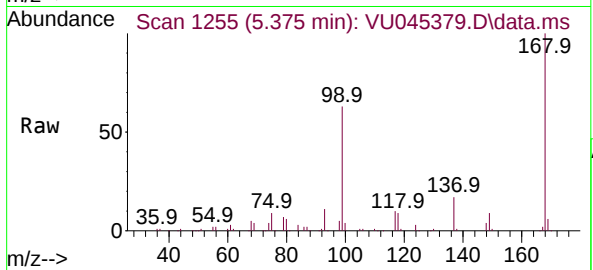
Delta R.T. -0.013 min

Lab File: VU045379.D

Acq: 25 Oct 2021 13:04

Tgt Ion:	56	Resp:	5539
Ion	Ratio	Lower	Upper
56	100		
69	181.8	25.2	37.8#
84	131.2	66.4	99.6#

Instrument :
MSVOA_U
ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 48.504 ug/l

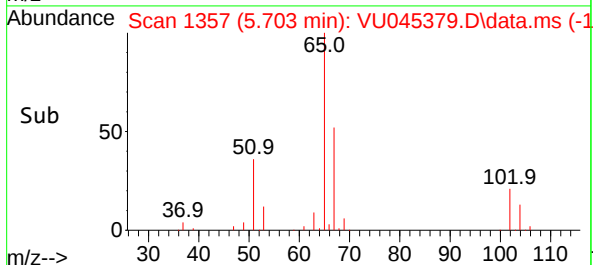
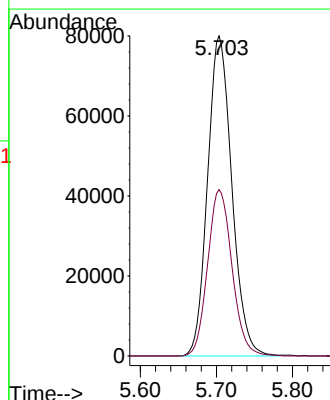
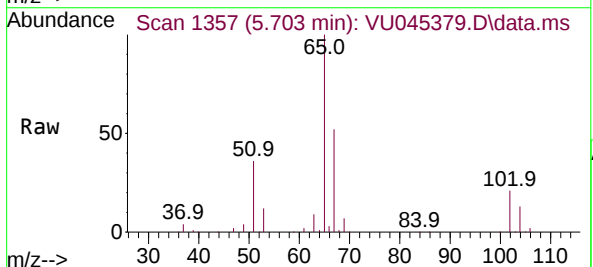
RT: 5.703 min Scan# 1357

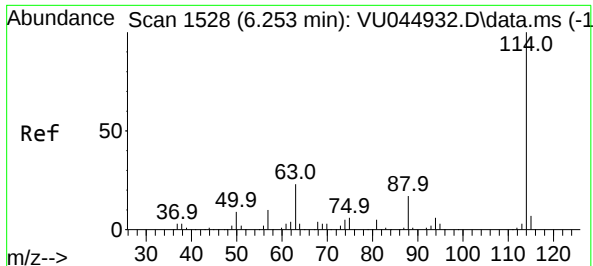
Delta R.T. -0.003 min

Lab File: VU045379.D

Acq: 25 Oct 2021 13:04

Tgt Ion:	65	Resp:	177647
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.8



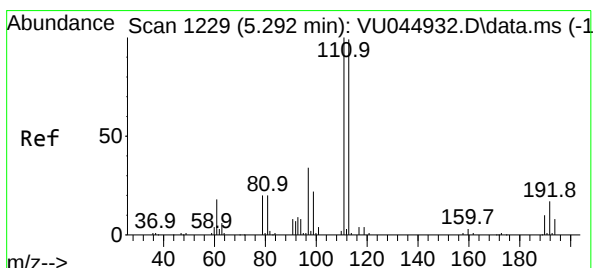
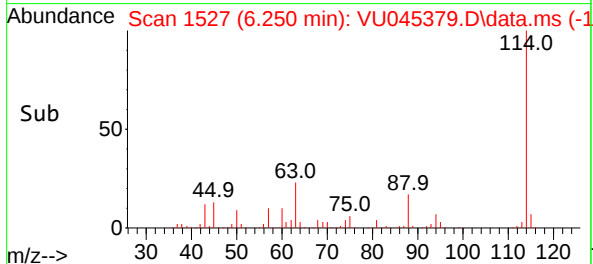
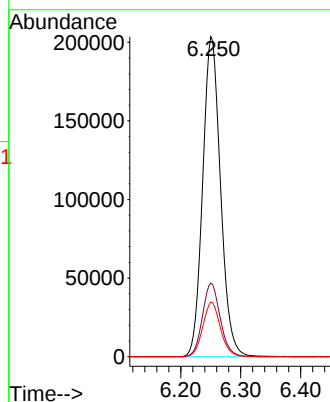
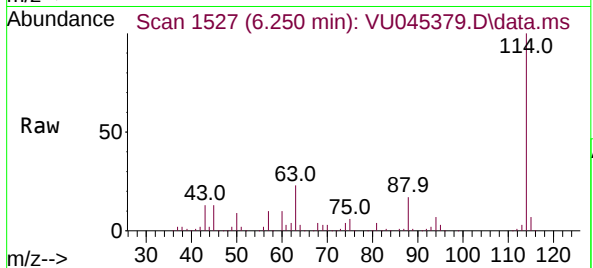


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Instrument :
MSVOA_U
ClientSampleId :

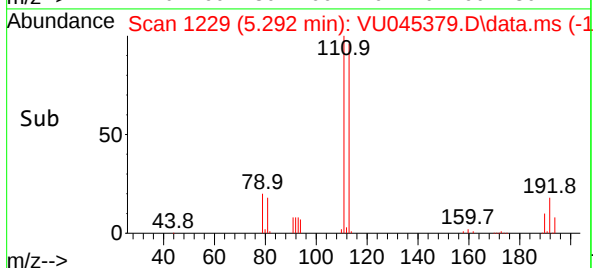
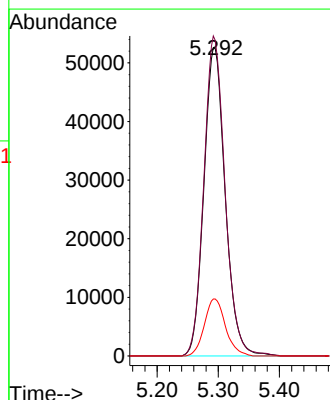
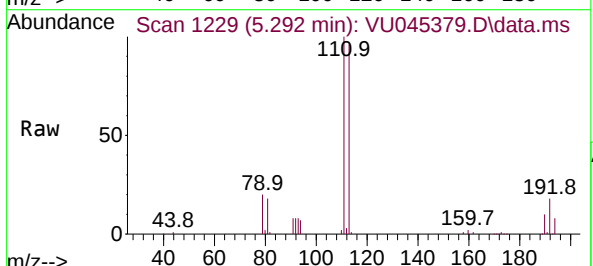
Tgt Ion:114 Resp: 422147
Ion Ratio Lower Upper
114 100
63 23.0 0.0 47.8
88 17.0 0.0 32.8

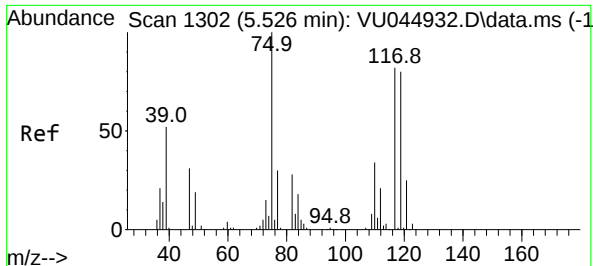


#35

Dibromofluoromethane
Concen: 47.906 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion:113 Resp: 127575
Ion Ratio Lower Upper
113 100
111 103.1 84.1 126.1
192 18.3 14.8 22.2

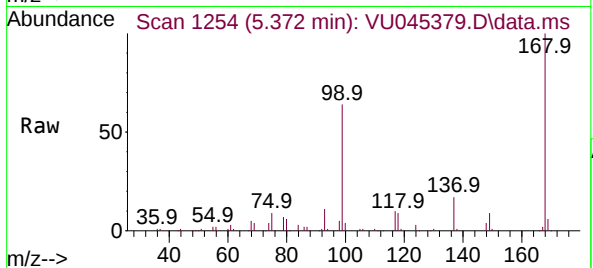




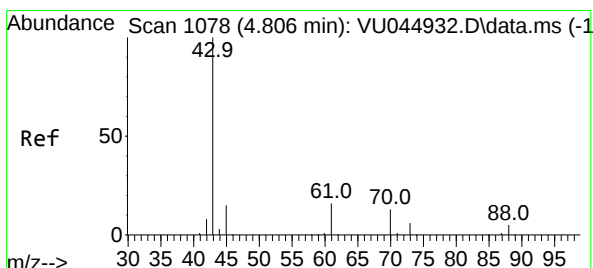
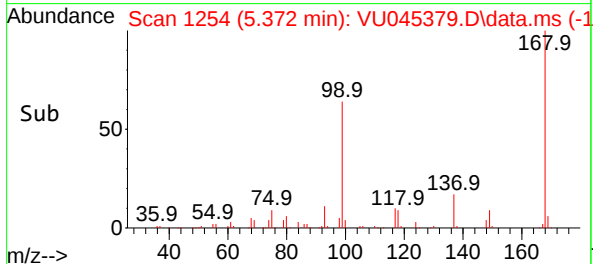
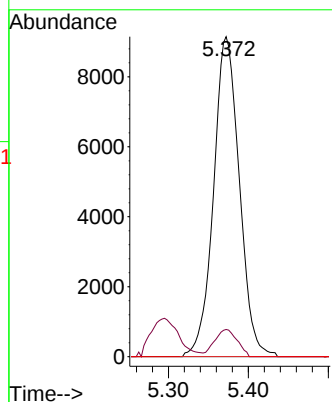
#36

1,1-Dichloropropene
Concen: 4.638 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Instrument :
MSVOA_U
ClientSampleId :



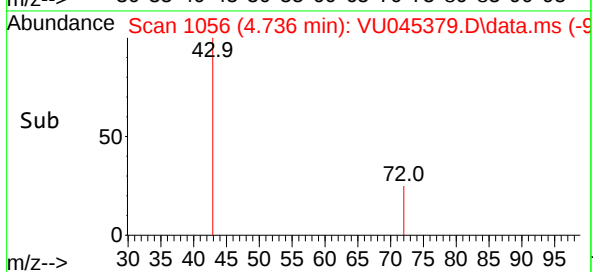
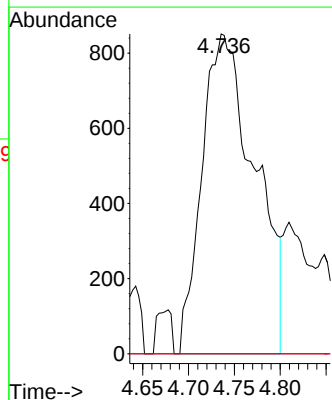
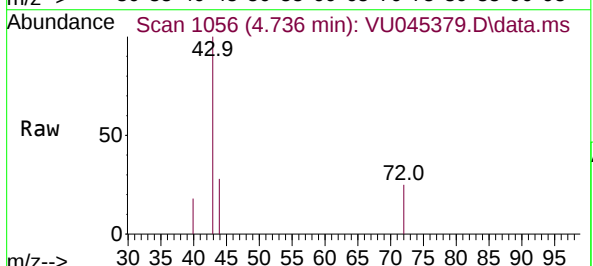
Tgt Ion:	75	Resp:	20475
Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.3	48.9#
77	0.0	25.0	37.4#

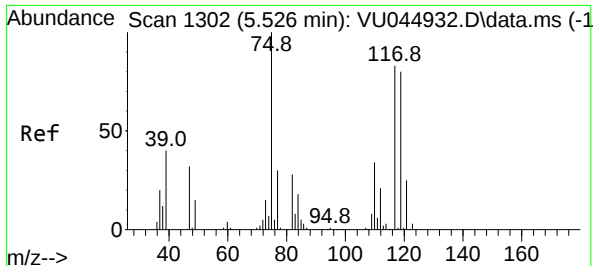


#37

Ethyl Acetate
Concen: 0.584 ug/l
RT: 4.736 min Scan# 1056
Delta R.T. -0.070 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

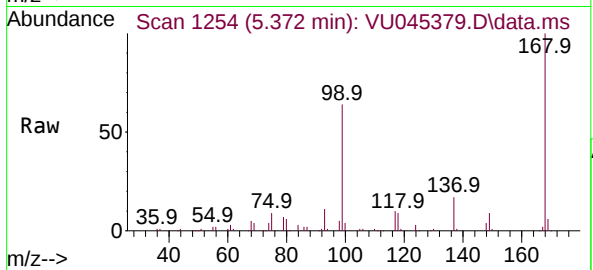
Tgt Ion:	43	Resp:	3414
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



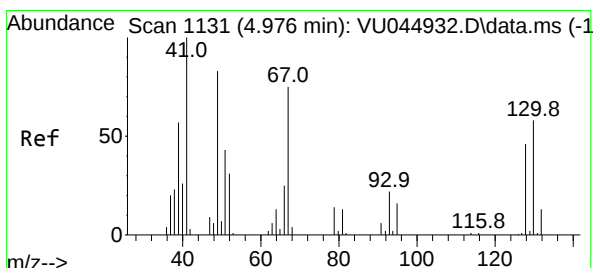
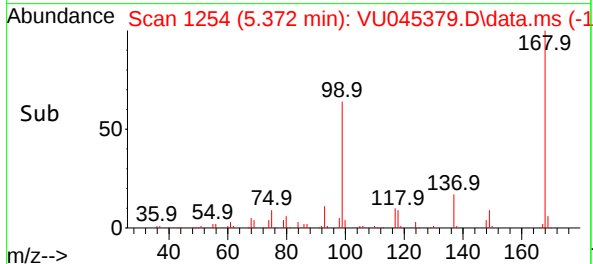
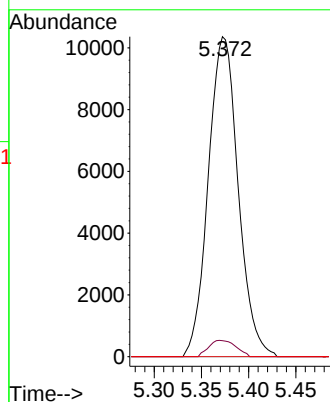


#38
Carbon Tetrachloride
Concen: 5.962 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Instrument :
MSVOA_U
ClientSampled :

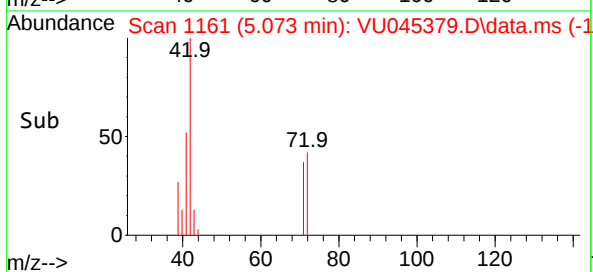
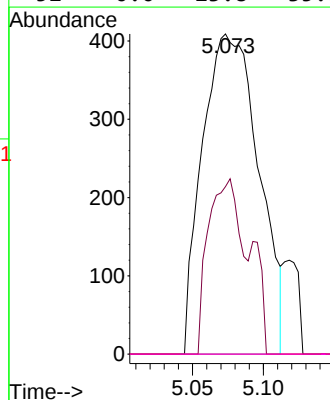
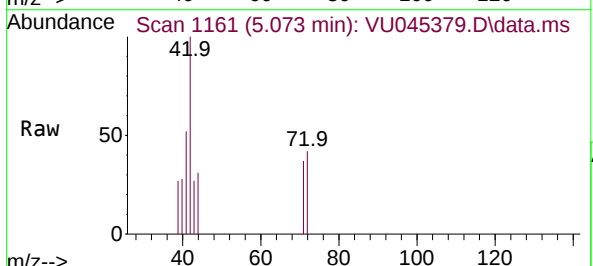


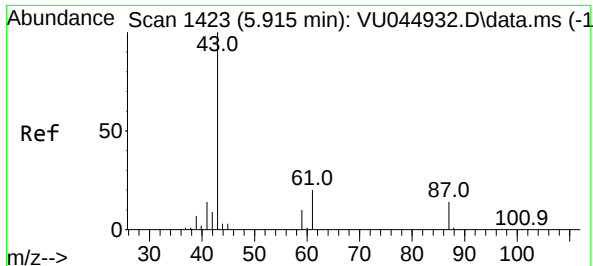
Tgt Ion:117 Resp: 22776
Ion Ratio Lower Upper
117 100
119 5.0 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.376 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.097 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion: 41 Resp: 1132
Ion Ratio Lower Upper
41 100
39 32.4 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#



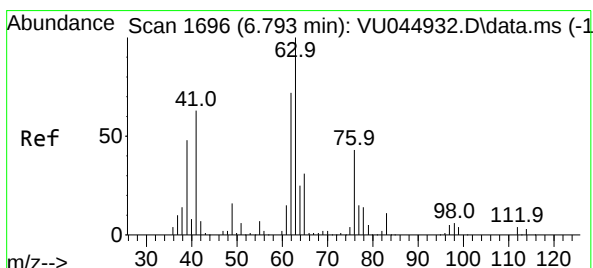
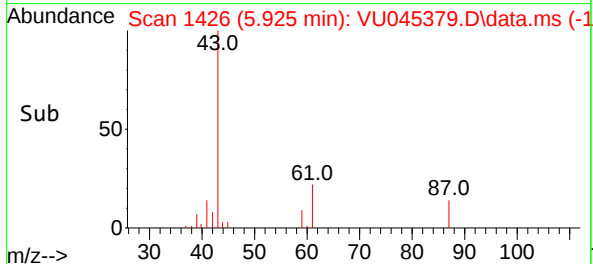
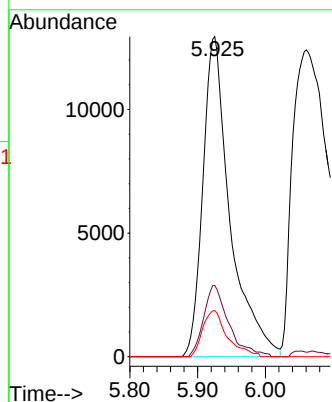
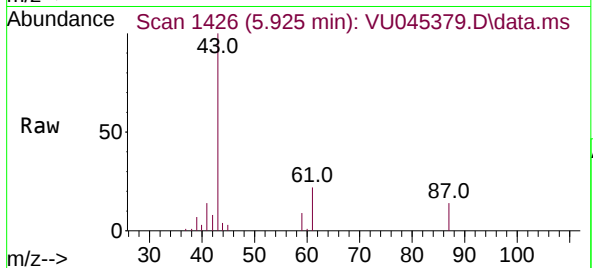


#43

Isopropyl Acetate
Concen: 4.105 ug/l
RT: 5.925 min Scan# 1426
Delta R.T. 0.010 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Instrument :
MSVOA_U
ClientSampled :

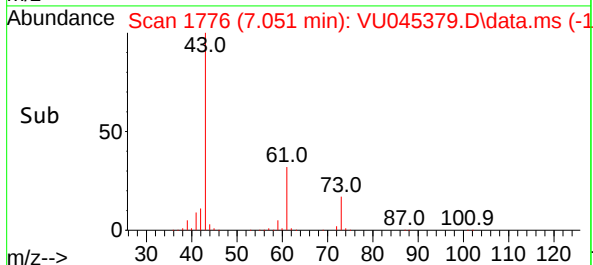
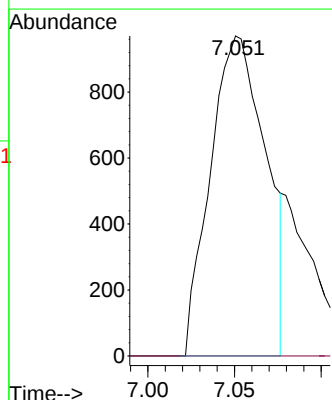
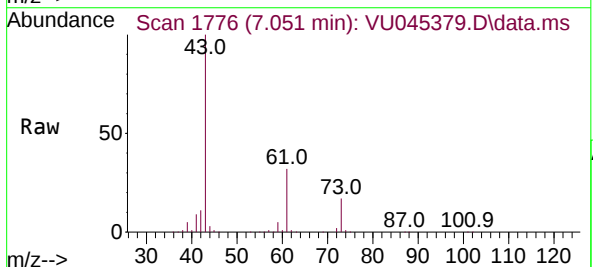
Tgt Ion: 43	Resp: 36074
Ion Ratio	Lower Upper
43	100
61	20.5 16.1 24.1
87	13.0 10.3 15.5

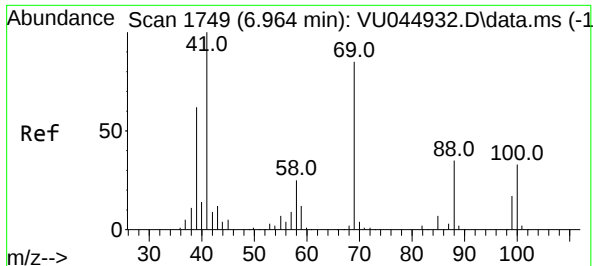


#45

1,2-Dichloropropane
Concen: 0.616 ug/l
RT: 7.051 min Scan# 1776
Delta R.T. 0.258 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion: 63	Resp: 2149
Ion Ratio	Lower Upper
63	100
65	0.0 23.9 35.9#

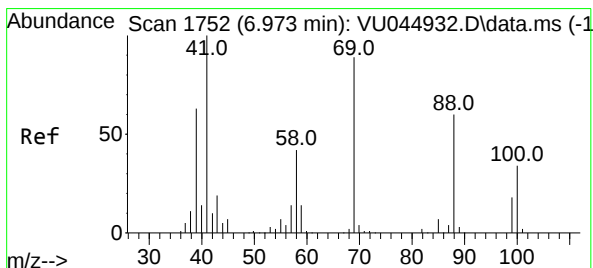
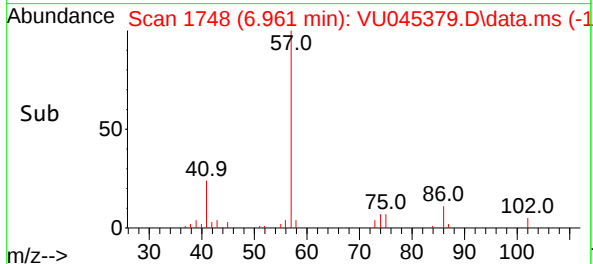
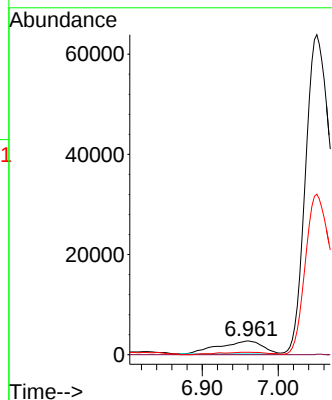
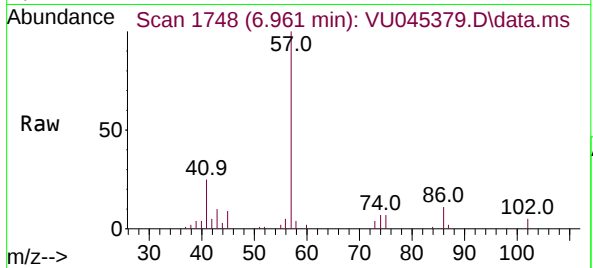




#48
Methyl methacrylate
Concen: 2.410 ug/l
RT: 6.961 min Scan# 1748
Delta R.T. -0.003 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

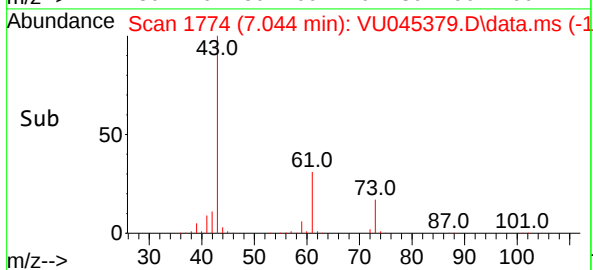
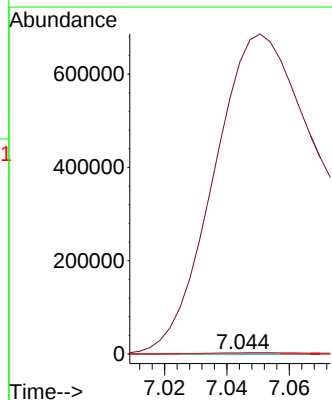
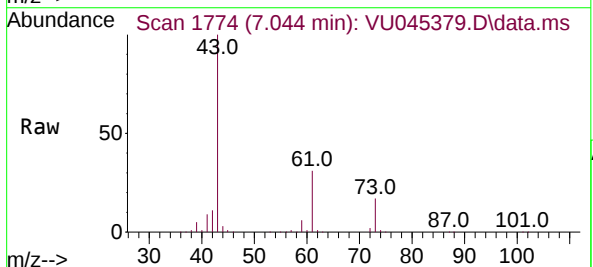
Instrument :
MSVOA_U
ClientSampleId :

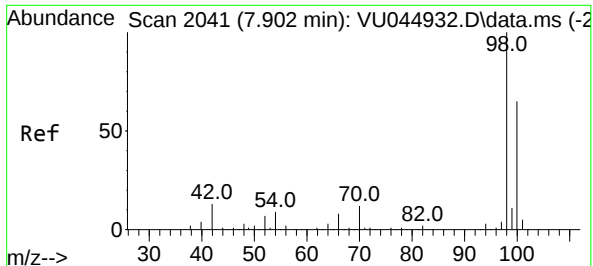
Tgt Ion: 41 Resp: 10310
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.044 min Scan# 1774
Delta R.T. 0.071 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 1018713.6 25.8 38.6#
58 4297.4 61.3 91.9#

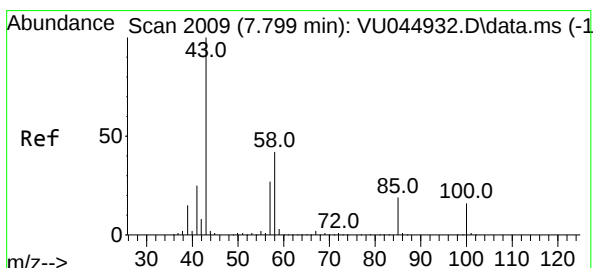
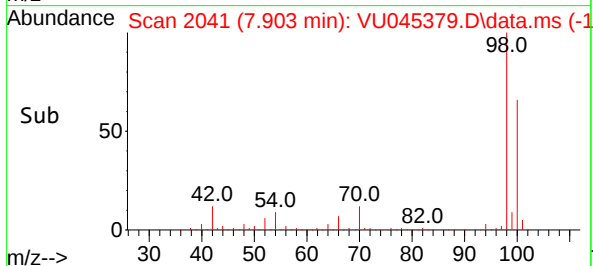
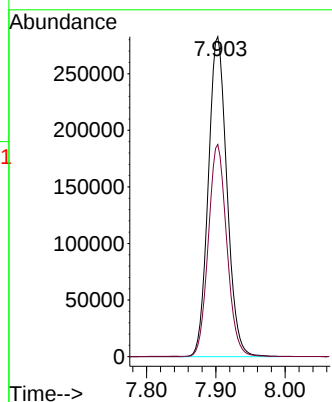
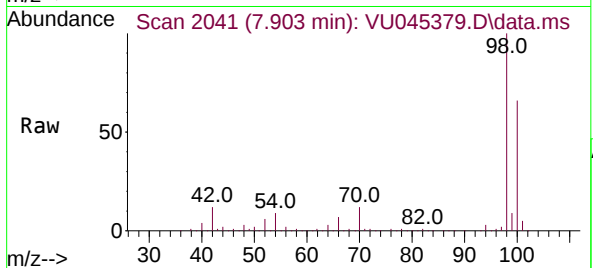




#50
Toluene-d8
Concen: 50.141 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

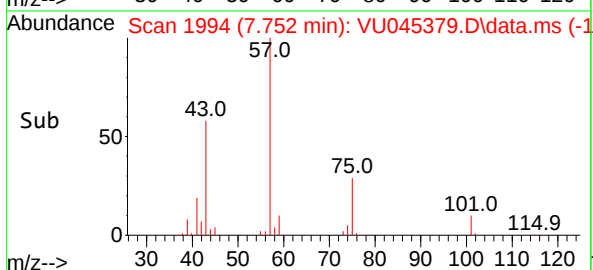
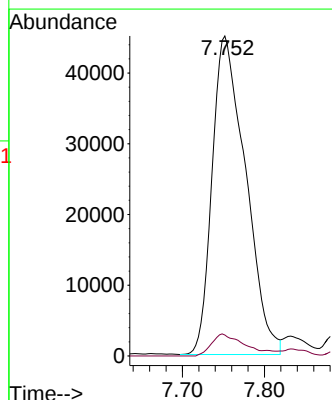
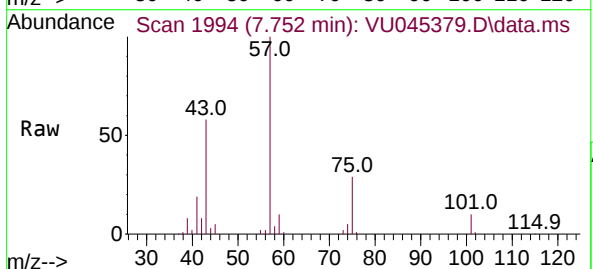
Instrument :
MSVOA_U
ClientSampleId :

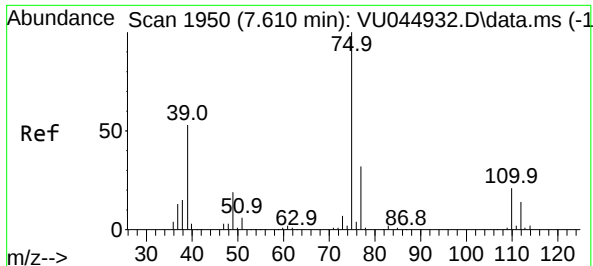
Tgt Ion: 98 Resp: 527594
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 19.954 ug/l
RT: 7.752 min Scan# 1994
Delta R.T. -0.047 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion: 43 Resp: 127656
Ion Ratio Lower Upper
43 100
58 6.4 32.4 48.6#

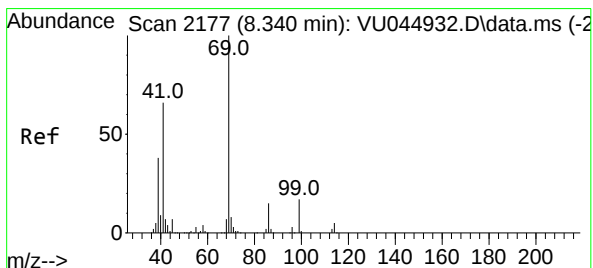
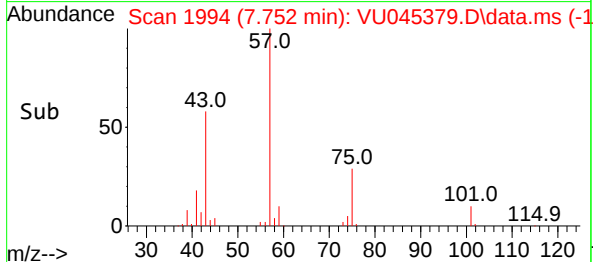
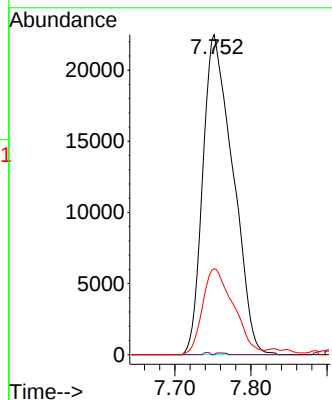
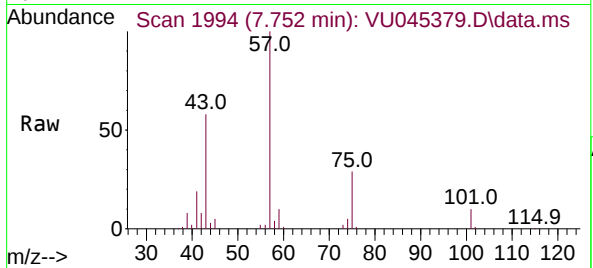




#54
 cis-1,3-Dichloropropene
 Concen: 11.362 ug/l
 RT: 7.752 min Scan# 1994
 Delta R.T. 0.142 min
 Lab File: VU045379.D
 Acq: 25 Oct 2021 13:04

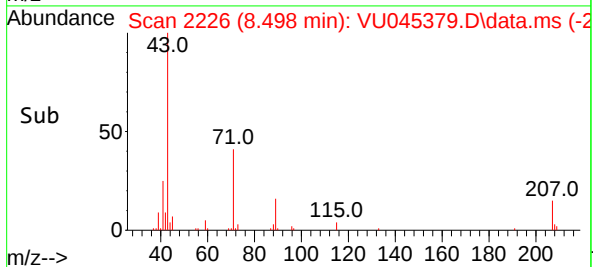
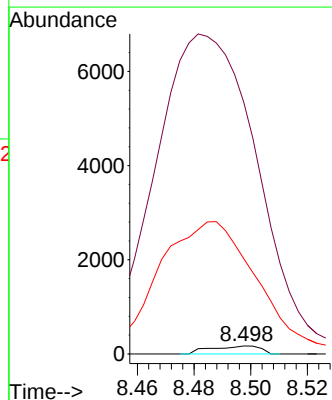
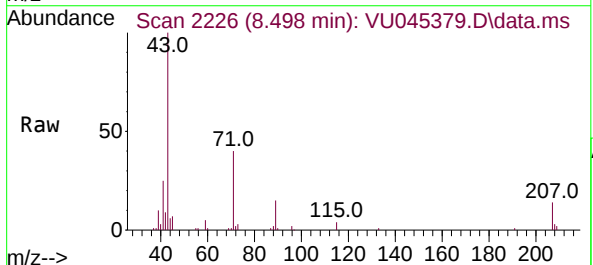
Instrument :
 MSVOA_U
 ClientSampled :

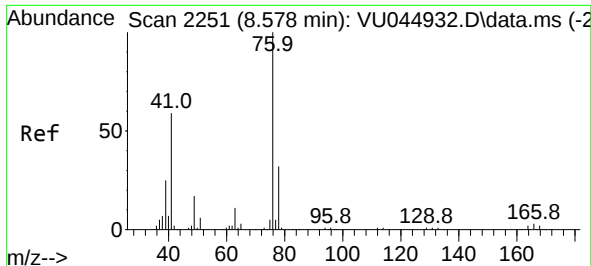
Tgt Ion: 75 Resp: 61710
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 26.9 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.851 ug/l
 RT: 8.498 min Scan# 2226
 Delta R.T. 0.158 min
 Lab File: VU045379.D
 Acq: 25 Oct 2021 13:04

Tgt Ion: 69 Resp: 206
 Ion Ratio Lower Upper
 69 100
 41 8415.5 53.5 80.3#
 39 3364.1 31.1 46.7#



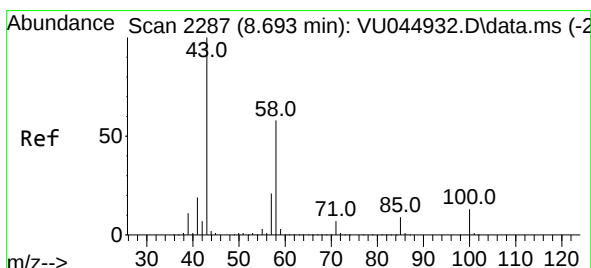
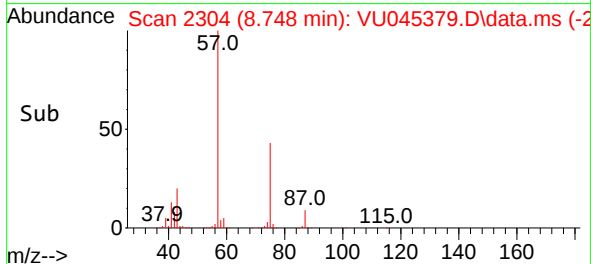
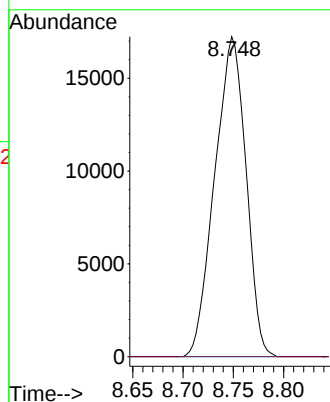
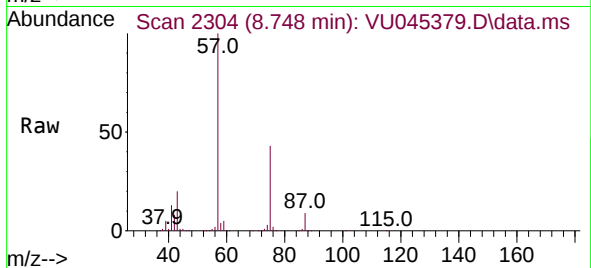


#57

1,3-Dichloropropane
Concen: 6.088 ug/l
RT: 8.748 min Scan# 2304
Delta R.T. 0.170 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Instrument :
MSVOA_U
ClientSampleId :

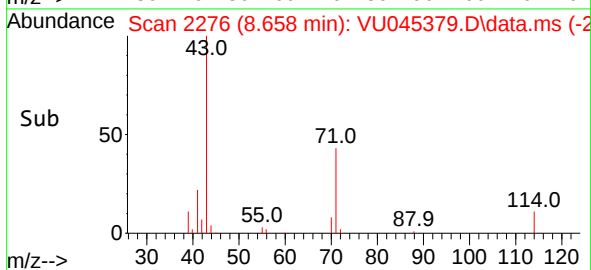
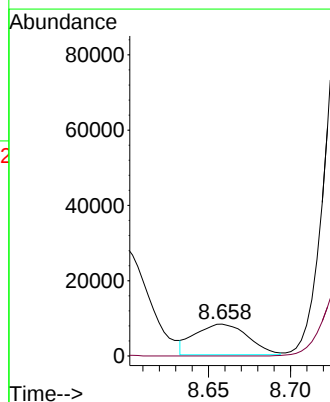
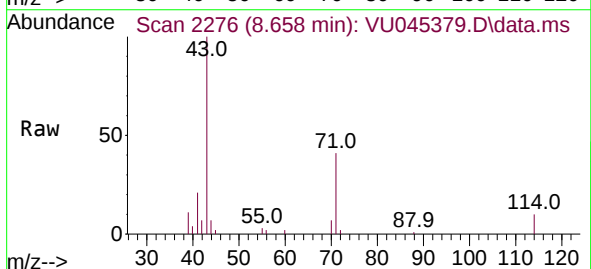
Tgt Ion: 76 Resp: 37255
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

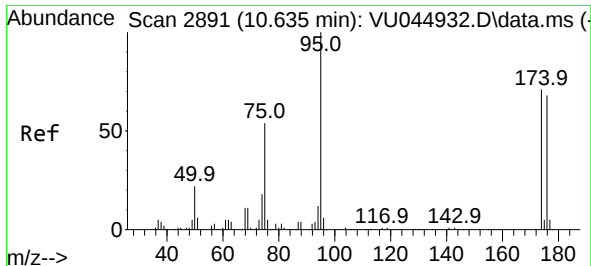


#59

2-Hexanone
Concen: 3.505 ug/l
RT: 8.658 min Scan# 2276
Delta R.T. -0.035 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion: 43 Resp: 18258
Ion Ratio Lower Upper
43 100
58 0.0 28.0 84.0#

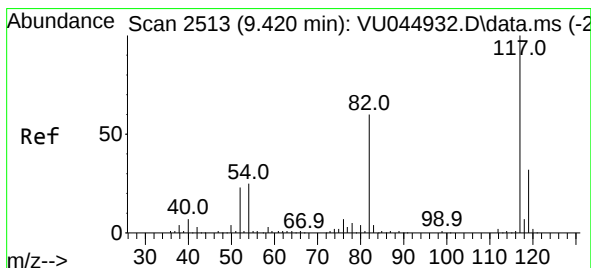
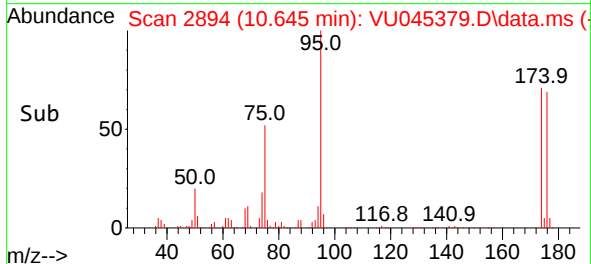
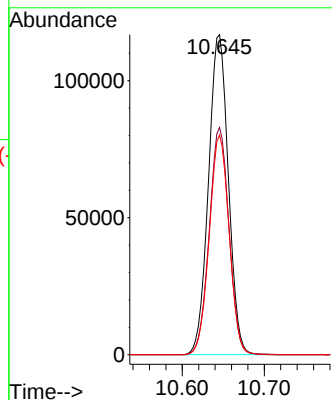
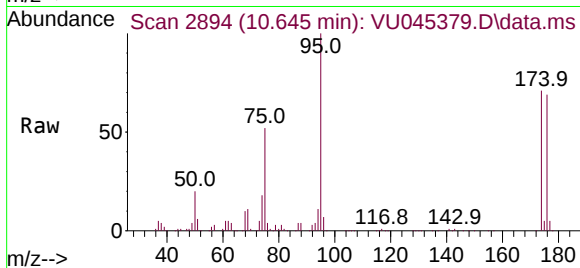




#62
4-Bromofluorobenzene
Concen: 45.225 ug/l
RT: 10.645 min Scan# 2894
Delta R.T. 0.010 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

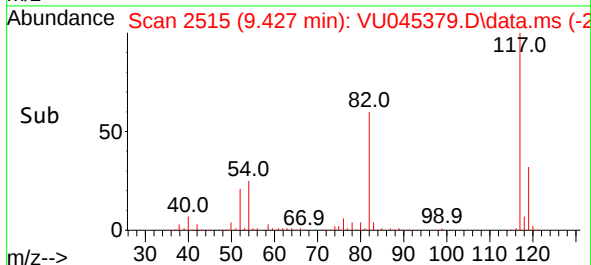
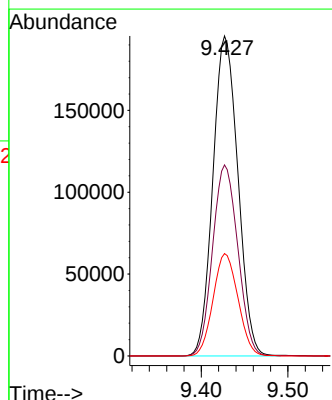
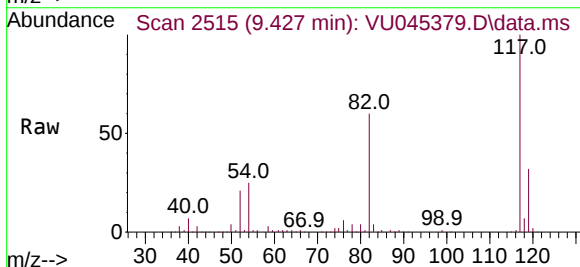
Instrument :
MSVOA_U
ClientSampleId :

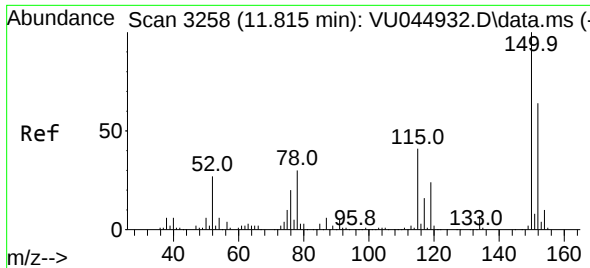
Tgt Ion: 95 Resp: 196463
Ion Ratio Lower Upper
95 100
174 70.6 0.0 146.6
176 68.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.007 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion: 117 Resp: 392643
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.8
119 32.0 25.8 38.6

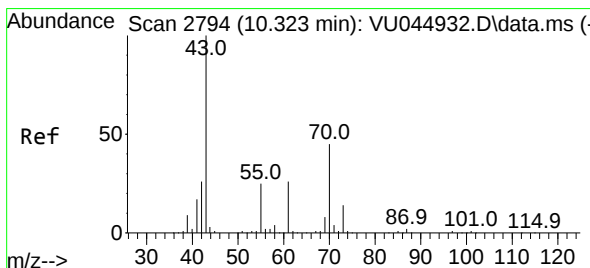
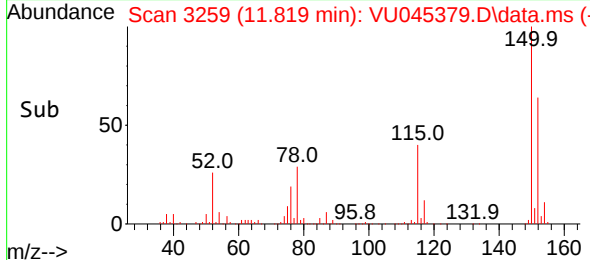
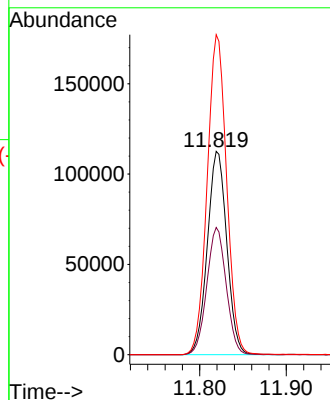
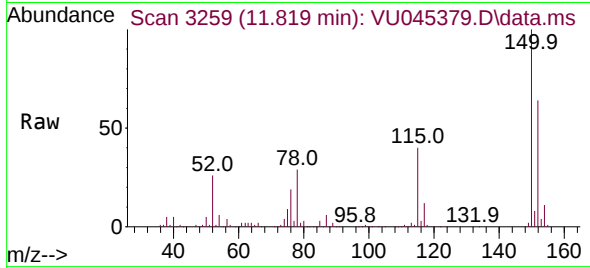




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.004 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

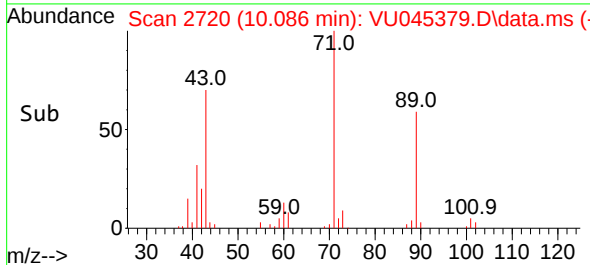
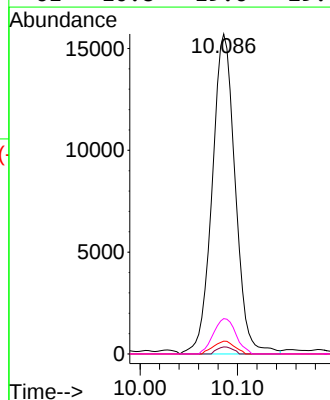
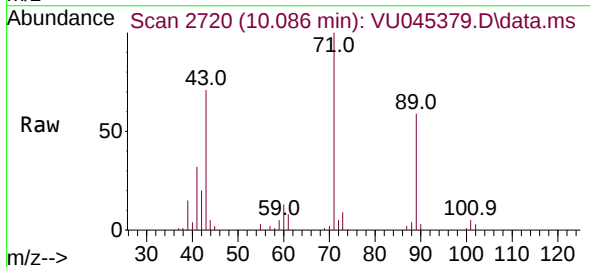
Instrument :
MSVOA_U
ClientSampled :

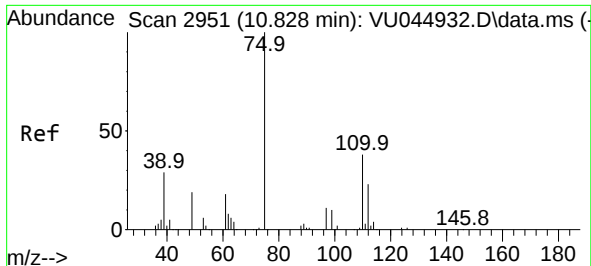
Tgt Ion:152 Resp: 175682
Ion Ratio Lower Upper
152 100
115 62.3 43.5 130.7
150 157.1 0.0 350.0



#74
N-ethyl acetate
Concen: 3.924 ug/l
RT: 10.086 min Scan# 2720
Delta R.T. -0.237 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion: 43 Resp: 25848
Ion Ratio Lower Upper
43 100
70 1.5 35.1 52.7#
55 3.7 20.5 30.7#
61 10.8 19.6 29.4#

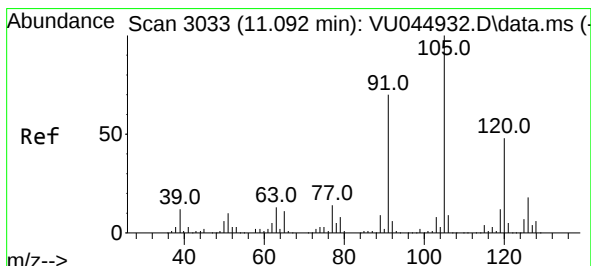
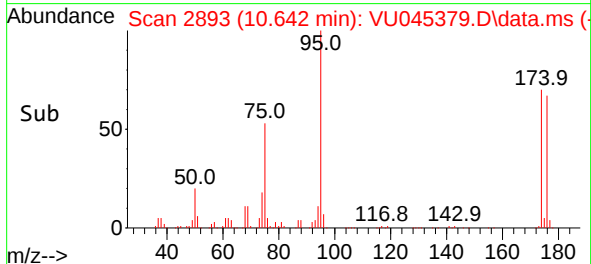
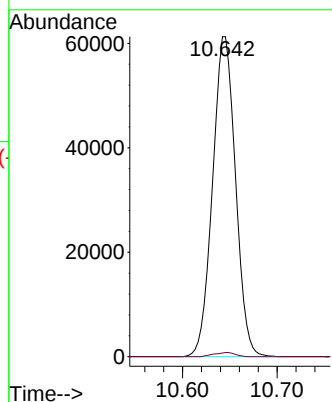
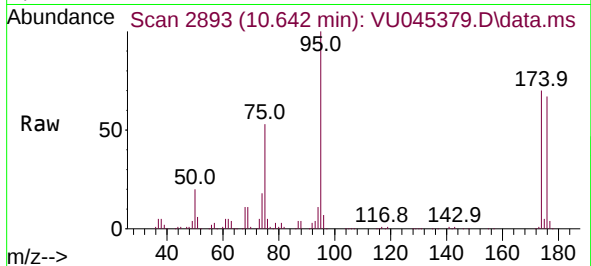




#76
1,2,3-Trichloropropane
Concen: 20.163 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.186 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

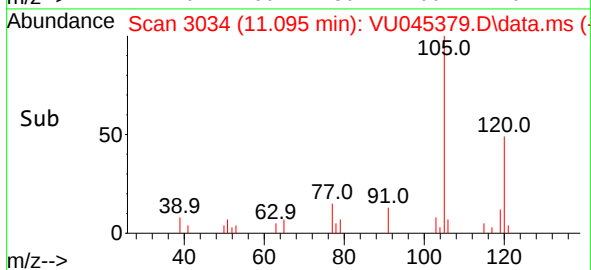
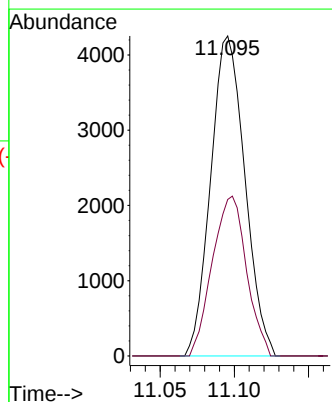
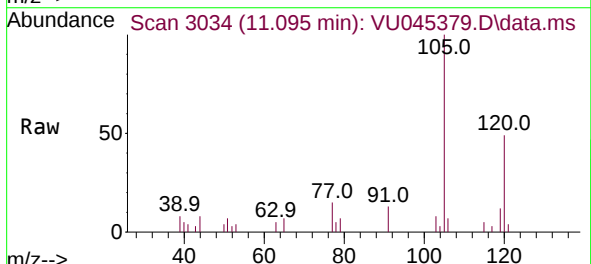
Instrument :
MSVOA_U
ClientSampled :

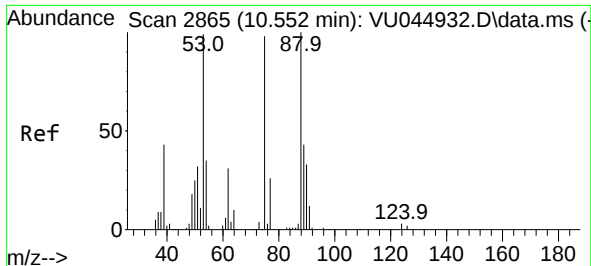
Tgt Ion: 75 Resp: 103320
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#



#80
1,3,5-Trimethylbenzene
Concen: 0.594 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.003 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion:105 Resp: 6804
Ion Ratio Lower Upper
105 100
120 49.9 24.1 72.2

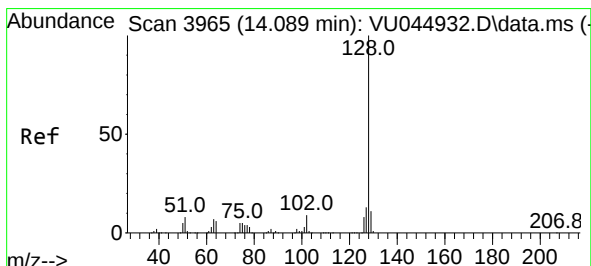
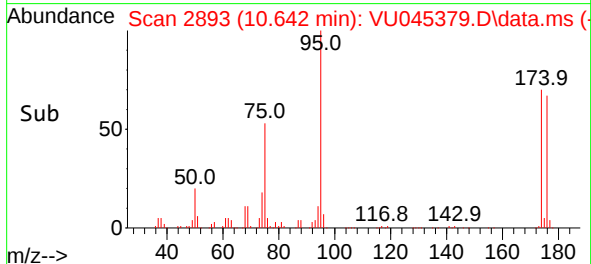
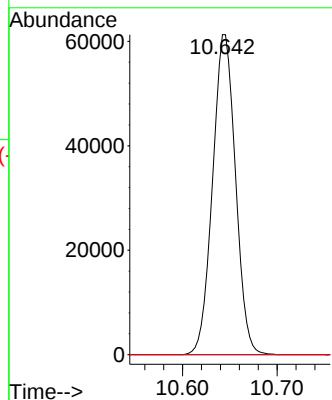
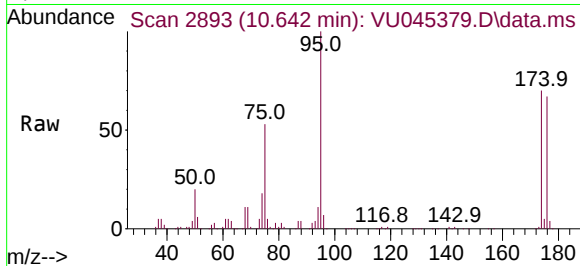




#81
trans-1,4-Dichloro-2-butene
Concen: 55.955 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.090 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 103320
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 0.222 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045379.D
Acq: 25 Oct 2021 13:04

Tgt Ion:128 Resp: 2879
Ion Ratio Lower Upper
128 100
127 8.5 10.4 15.6#
129 7.8 8.6 13.0#

