

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044184.D
 Acq On : 14 Jun 2021 16:20
 Operator : SY/MD
 Sample : M2672-28
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 02:46:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

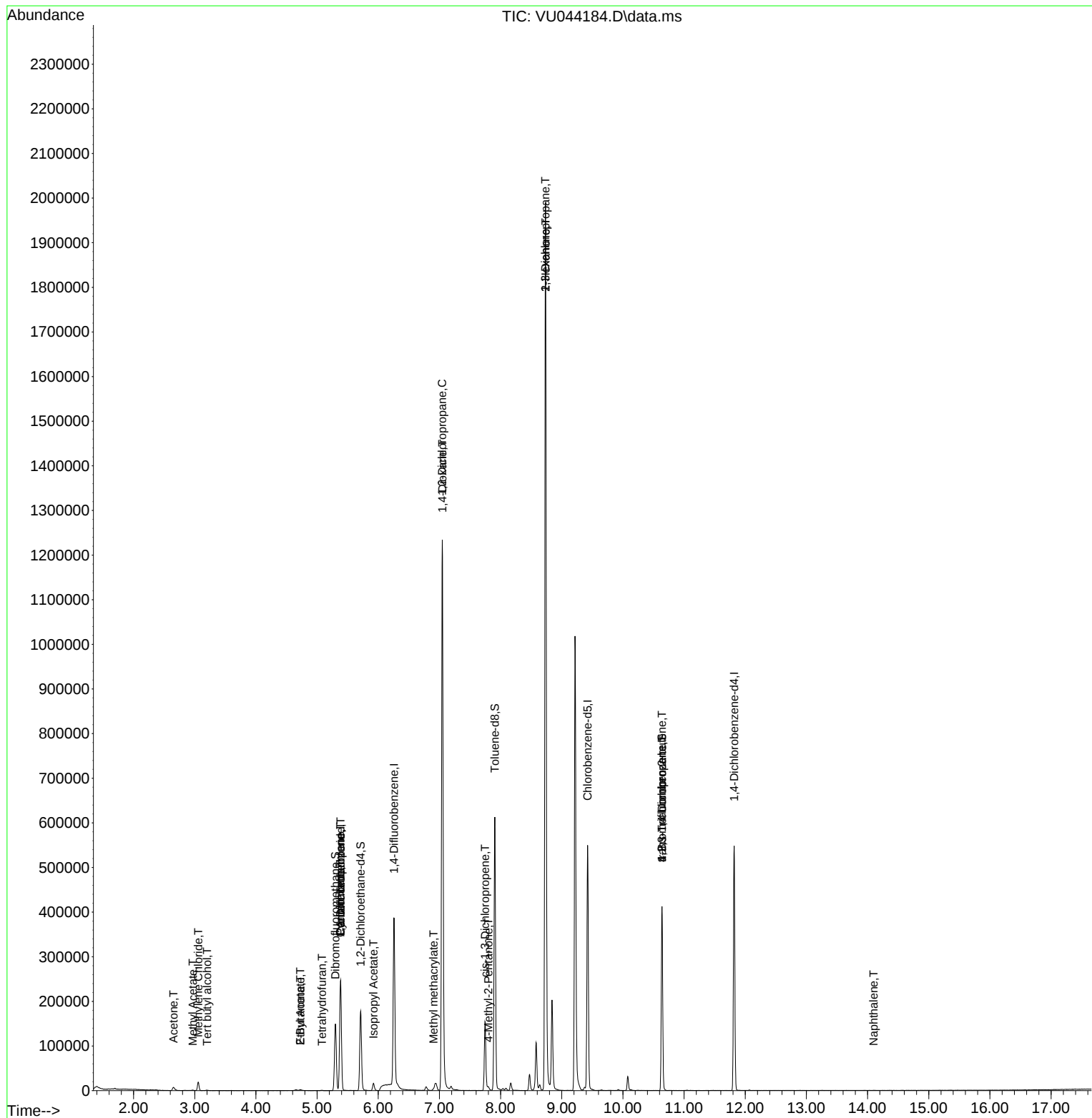
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	159707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	291936	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	294620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	135847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	133309	52.489	ug/l	0.00
Spiked Amount	50.000		Recovery	= 104.980%		
35) Dibromofluoromethane	5.301	113	98721	48.612	ug/l	0.00
Spiked Amount	50.000		Recovery	= 97.220%		
50) Toluene-d8	7.906	98	391342	50.177	ug/l	0.00
Spiked Amount	50.000		Recovery	= 100.360%		
62) 4-Bromofluorobenzene	10.639	95	139620	44.671	ug/l	0.00
Spiked Amount	50.000		Recovery	= 89.340%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	310	Below Cal	#	41
6) Chloroethane	1.925	64	92	Below Cal	#	42
11) Tert butyl alcohol	3.202	59	701	1.026	ug/l #	73
16) Acetone	2.652	43	12783	7.672	ug/l	95
18) Methyl Acetate	2.970	43	1639	0.502	ug/l #	75
20) Methylene Chloride	3.057	84	9111	2.850	ug/l	97
25) 2-Butanone	4.726	43	3922	1.850	ug/l	97
29) Tetrahydrofuran	5.083	42	652	0.566	ug/l #	35
31) Cyclohexane	5.382	56	3446	0.961	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	14814	4.561	ug/l #	50
37) Ethyl Acetate	4.726	43	3922	1.008	ug/l #	67
38) Carbon Tetrachloride	5.385	117	17443	5.949	ug/l #	18
43) Isopropyl Acetate	5.922	43	17517	3.174	ug/l	97
45) 1,2-Dichloropropane	7.047	63	1615	0.618	ug/l #	43
48) Methyl methacrylate	6.906	41	6293	2.343	ug/l #	11
49) 1,4-Dioxane	7.051	88	20	0.285	ug/l #	1
51) 4-Methyl-2-Pentanone	7.803	43	5476	1.371	ug/l	90
54) cis-1,3-Dichloropropene	7.745	75	30088	7.686	ug/l #	64
57) 1,3-Dichloropropane	8.732	76	21237	4.996	ug/l #	42
59) 2-Hexanone	8.735	43	271164	85.071	ug/l #	48
76) 1,2,3-Trichloropropane	10.639	75	71973	15.802	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	71973	57.282	ug/l #	13
95) Naphthalene	14.098	128	267	2.862	ug/l #	69

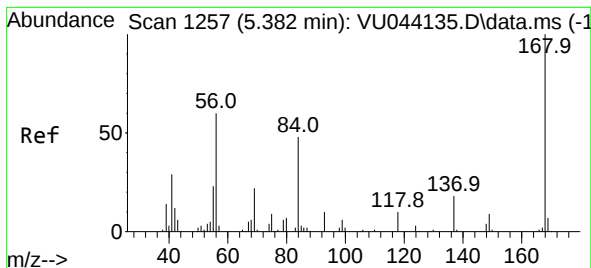
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 15 02:46:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU044184.D

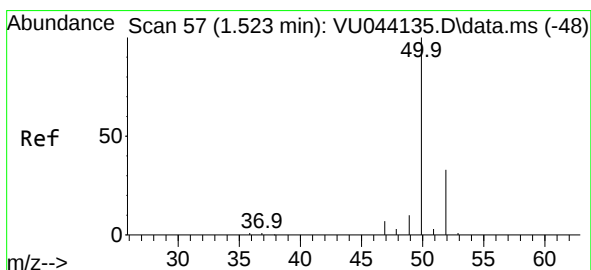
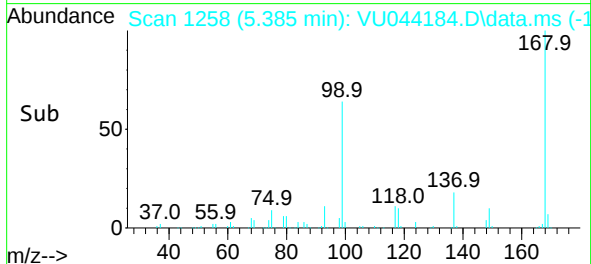
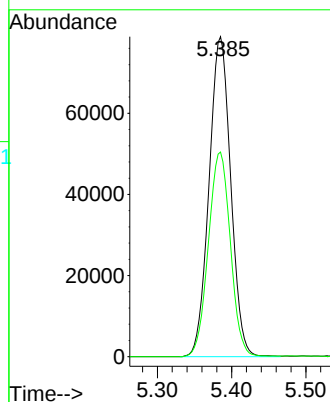
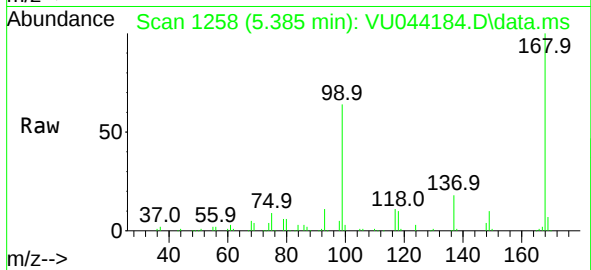
Acq: 14 Jun 2021 16:20

Tgt Ion:168 Resp: 159707

Ion Ratio Lower Upper

168 100

99 64.0 51.3 76.9



#3

Chloromethane

Concen: Below Cal

RT: 1.527 min Scan# 58

Delta R.T. 0.004 min

Lab File: VU044184.D

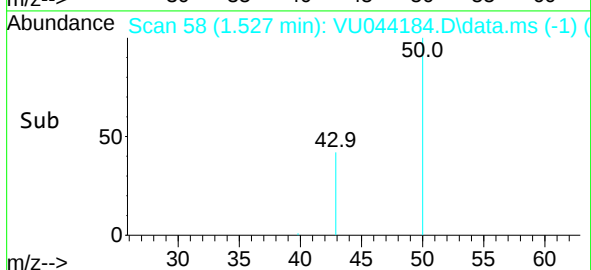
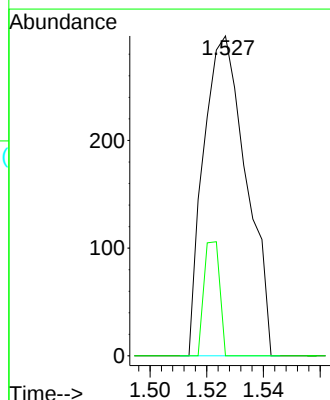
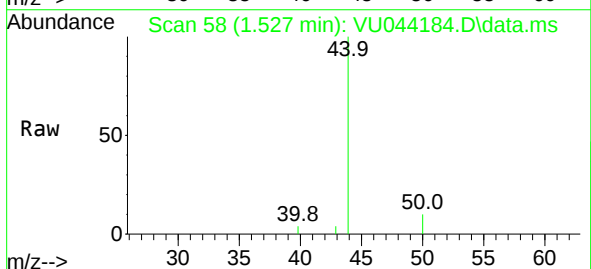
Acq: 14 Jun 2021 16:20

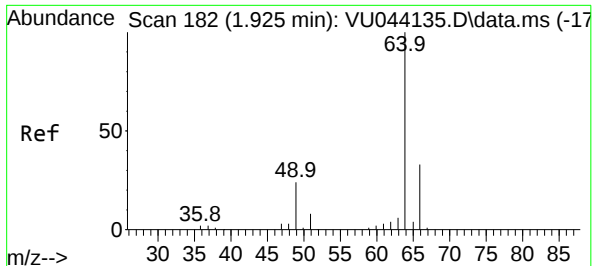
Tgt Ion: 50 Resp: 310

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#

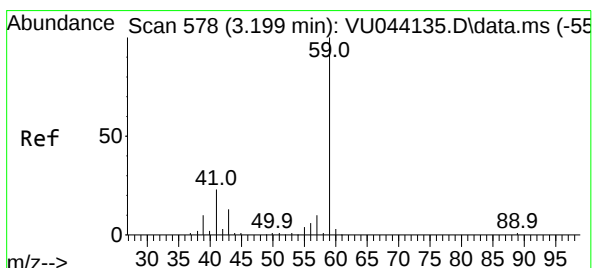
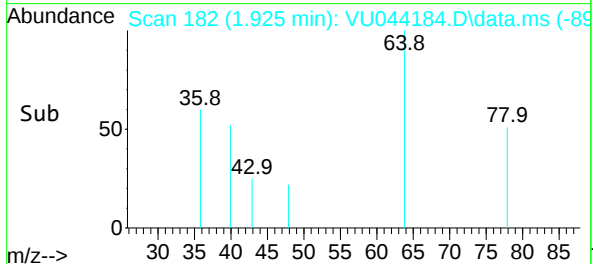
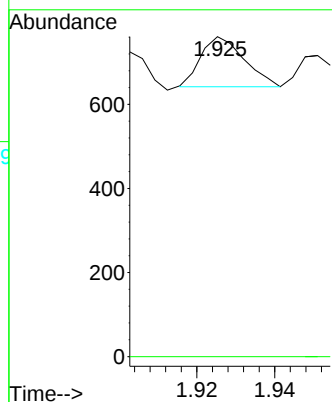
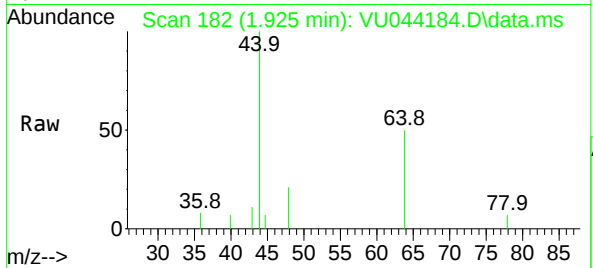




#6
Chloroethane
Concen: Below Cal
RT: 1.925 min Scan# 182
Delta R.T. 0.000 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

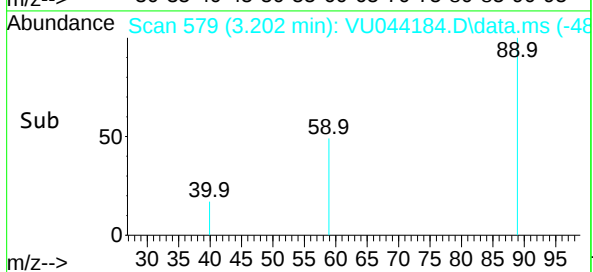
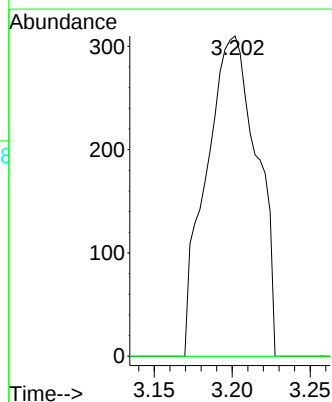
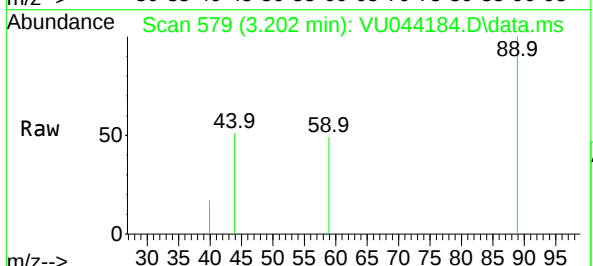
Instrument :
MSVOA_U
ClientSampled :

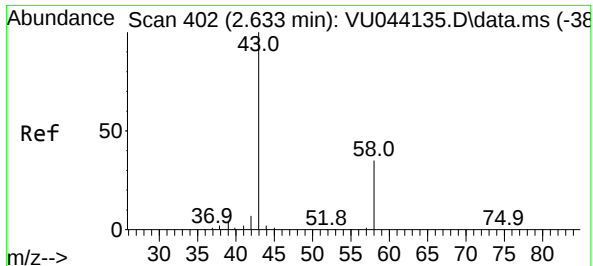
Tgt Ion: 64 Resp: 92
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 1.026 ug/l
RT: 3.202 min Scan# 579
Delta R.T. 0.003 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 59 Resp: 701
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

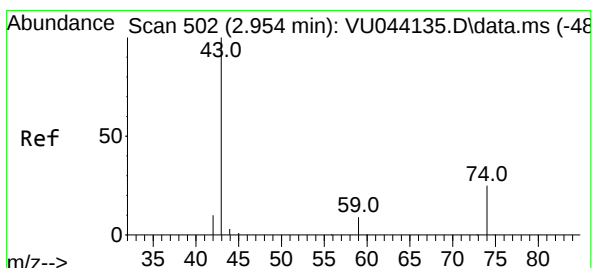
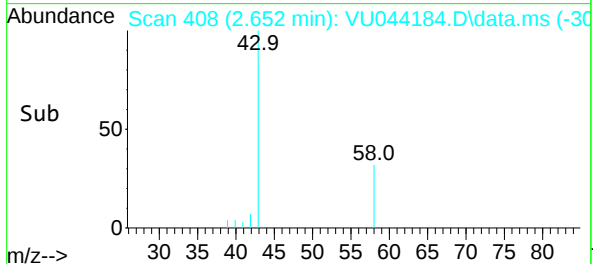
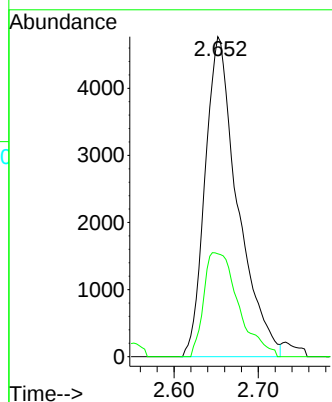
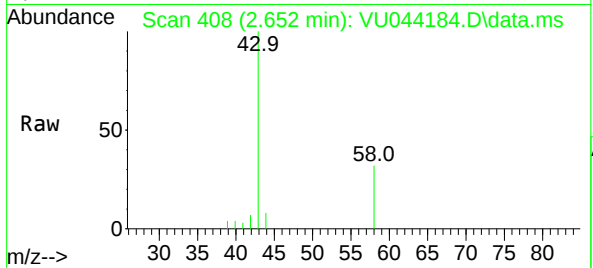




#16
Acetone
Concen: 7.672 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.019 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

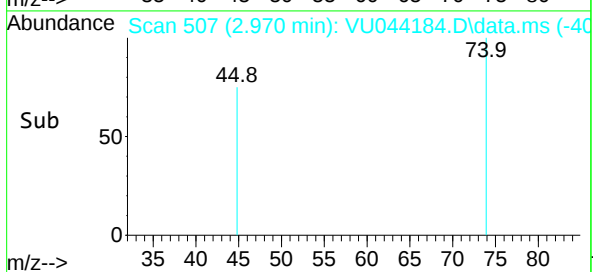
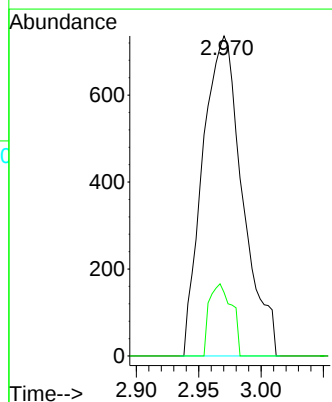
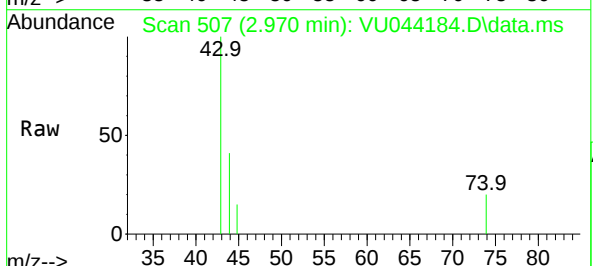
Instrument :
MSVOA_U
ClientSampled :

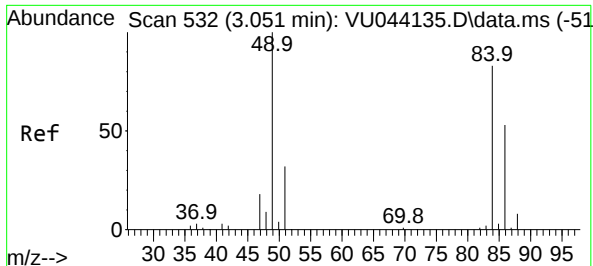
Tgt Ion: 43 Resp: 12783
Ion Ratio Lower Upper
43 100
58 32.1 28.0 42.0



#18
Methyl Acetate
Concen: 0.502 ug/l
RT: 2.970 min Scan# 507
Delta R.T. 0.016 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
74 12.8 20.3 30.5#





#20

Methylene Chloride

Concen: 2.850 ug/l

RT: 3.057 min Scan# 534

Delta R.T. 0.006 min

Lab File: VU044184.D

Acq: 14 Jun 2021 16:20

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 84 Resp: 9111

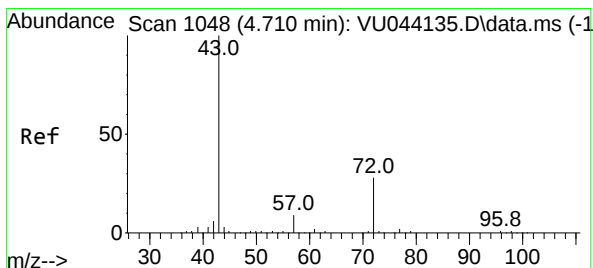
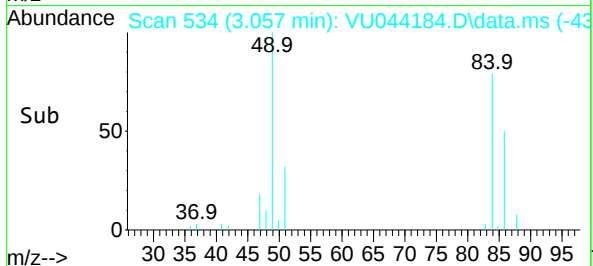
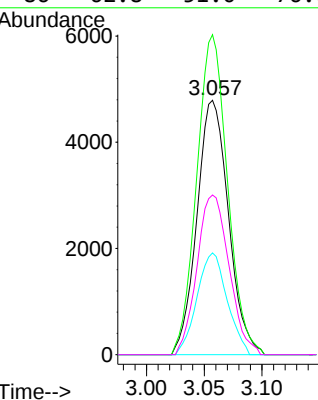
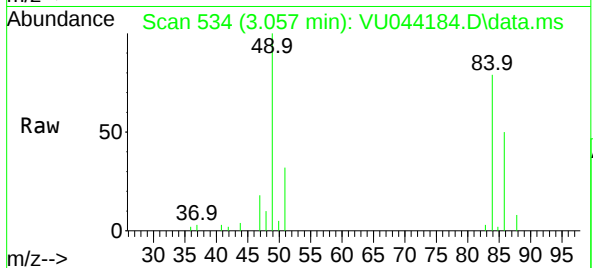
Ion Ratio Lower Upper

84 100

49 125.8 96.9 145.3

51 40.0 31.0 46.6

86 62.8 51.0 76.6



#25

2-Butanone

Concen: 1.850 ug/l

RT: 4.726 min Scan# 1053

Delta R.T. 0.016 min

Lab File: VU044184.D

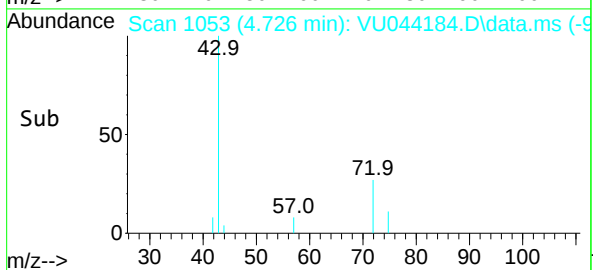
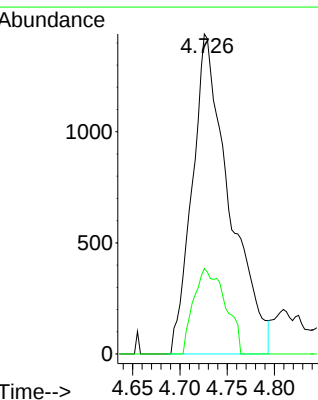
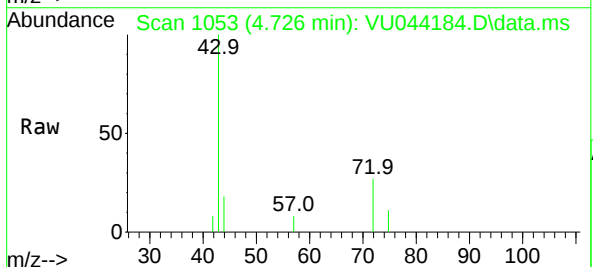
Acq: 14 Jun 2021 16:20

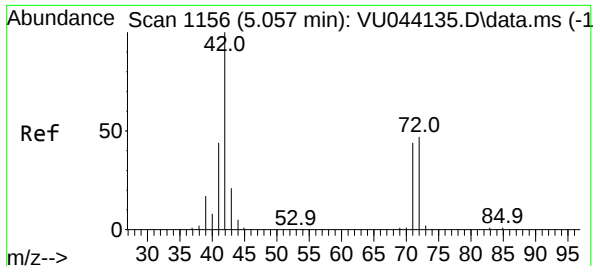
Tgt Ion: 43 Resp: 3922

Ion Ratio Lower Upper

43 100

72 26.7 22.6 33.8





#29

Tetrahydrofuran

Concen: 0.566 ug/l

RT: 5.083 min Scan# 1164

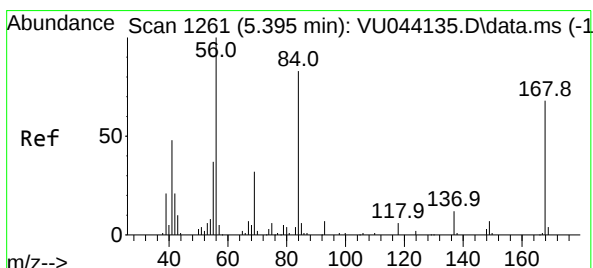
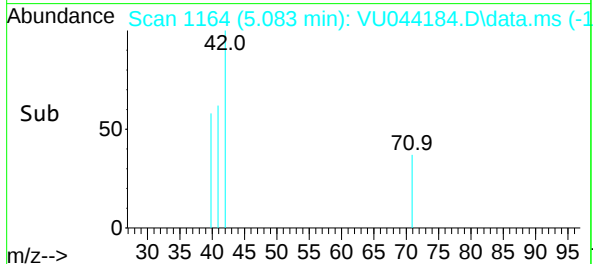
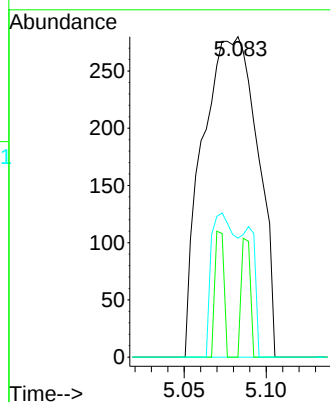
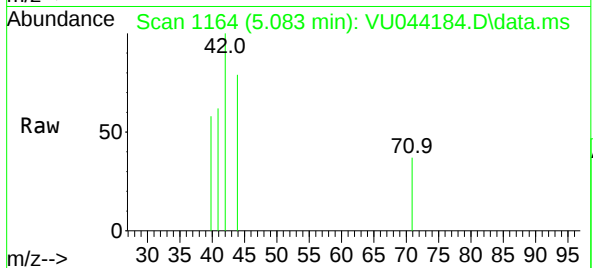
Delta R.T. 0.026 min

Lab File: VU044184.D

Acq: 14 Jun 2021 16:20

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 42	Resp: 652
Ion Ratio	Lower Upper
42	100
72	6.1 38.6 57.8#
71	0.0 35.5 53.3#



#31

Cyclohexane

Concen: 0.961 ug/l

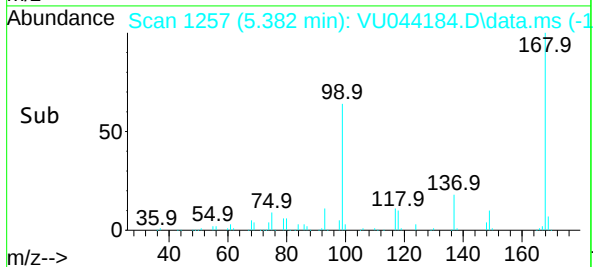
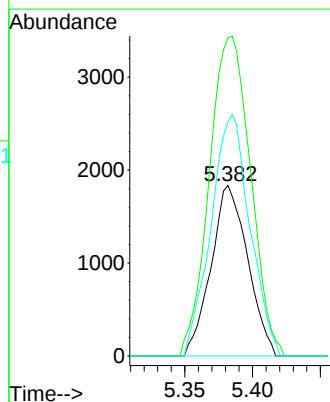
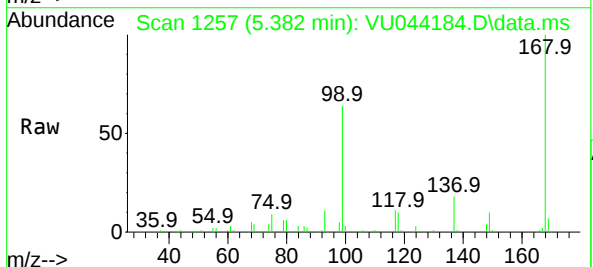
RT: 5.382 min Scan# 1257

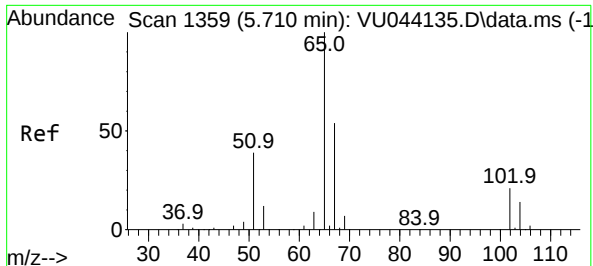
Delta R.T. -0.013 min

Lab File: VU044184.D

Acq: 14 Jun 2021 16:20

Tgt Ion: 56	Resp: 3446
Ion Ratio	Lower Upper
56	100
69	186.4 25.5 38.3#
84	137.1 66.3 99.5#



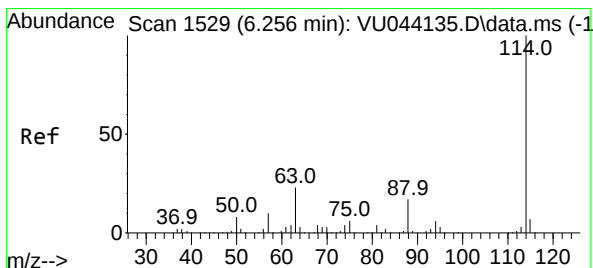
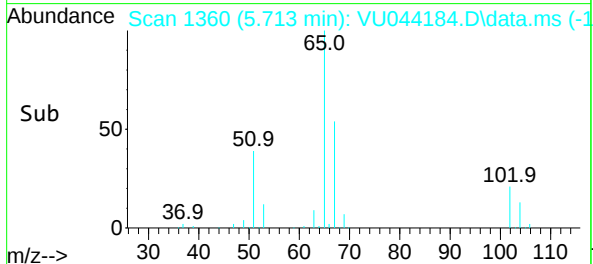
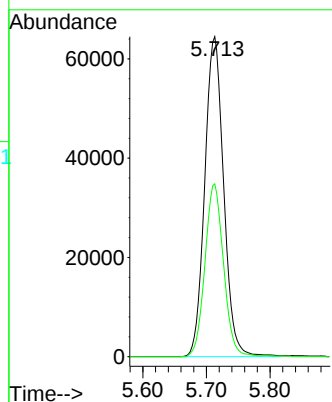
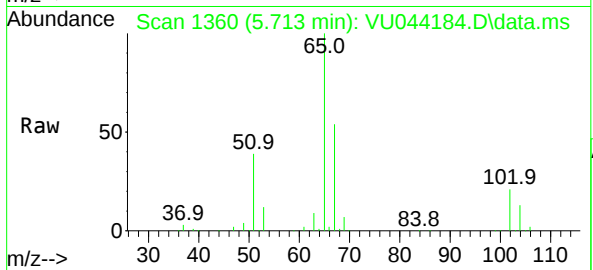


#33

1,2-Dichloroethane-d4
Concen: 52.489 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Instrument :
MSVOA_U
ClientSampled :

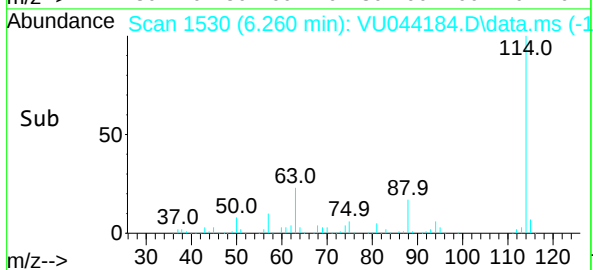
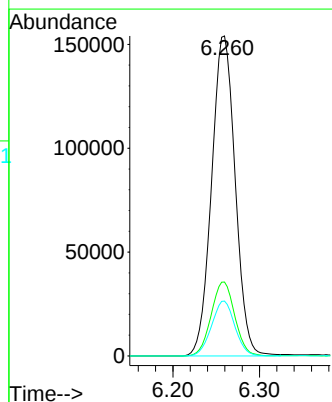
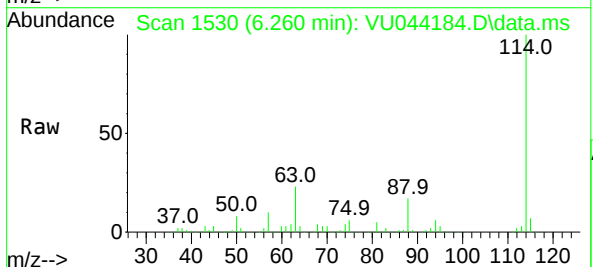
Tgt Ion: 65 Resp: 133309
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6

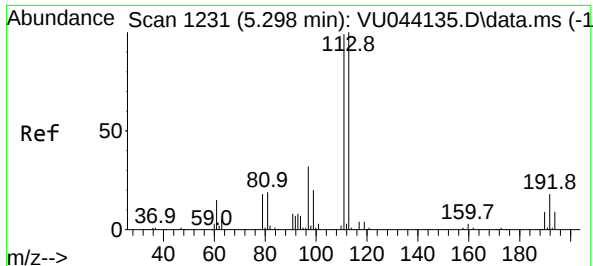


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.260 min Scan# 1530
Delta R.T. 0.004 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 114 Resp: 291936
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.8
88 17.1 0.0 34.0



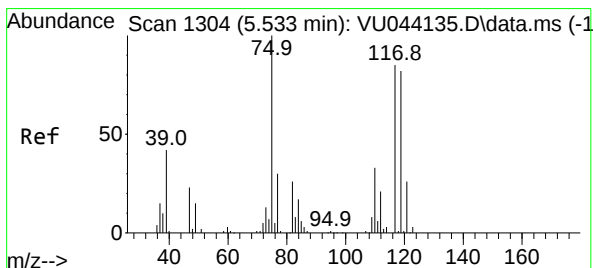
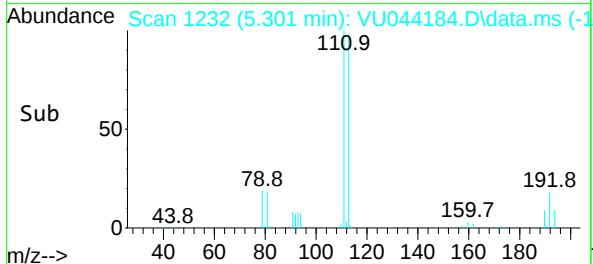
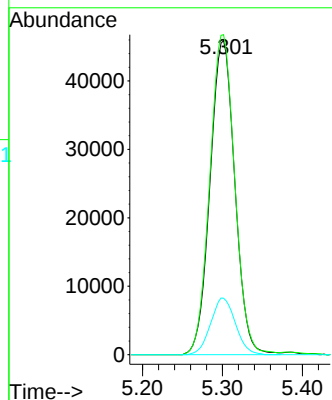
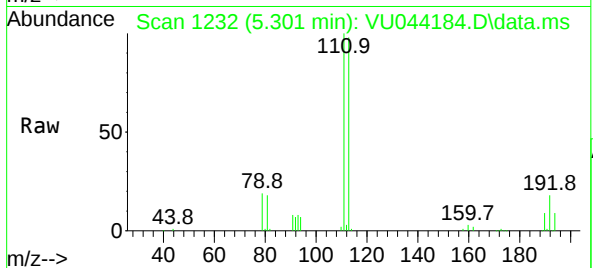


#35

Dibromofluoromethane
Concen: 48.612 ug/l
RT: 5.301 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Instrument :
MSVOA_U
ClientSampled :

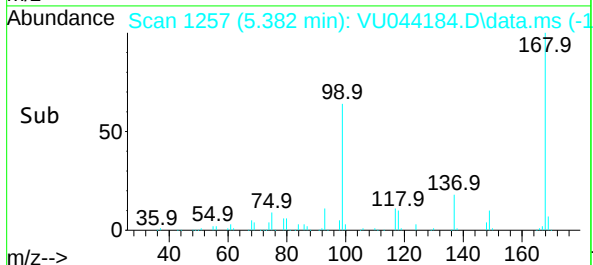
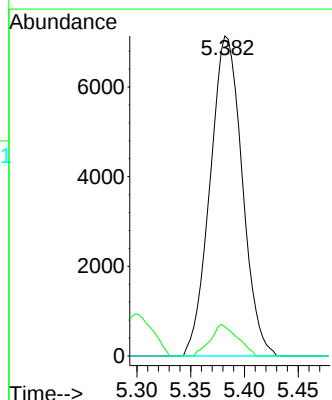
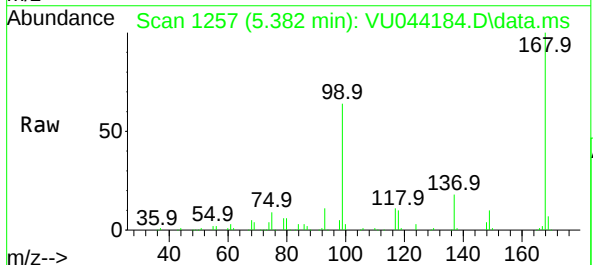
Tgt Ion:113 Resp: 98721
Ion Ratio Lower Upper
113 100
111 102.7 81.0 121.4
192 18.0 14.3 21.5

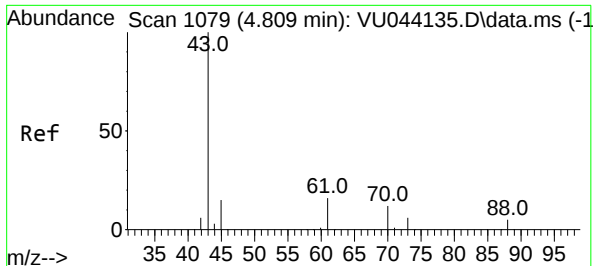


#36

1,1-Dichloropropene
Concen: 4.561 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 75 Resp: 14814
Ion Ratio Lower Upper
75 100
110 8.3 16.4 49.4#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.008 ug/l

RT: 4.726 min Scan# 1053

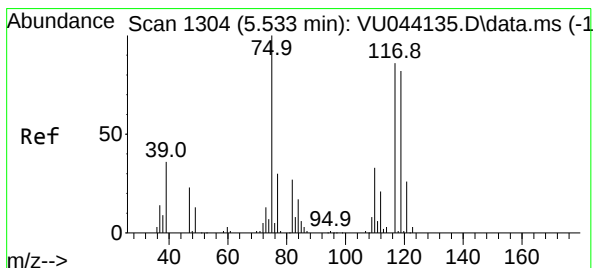
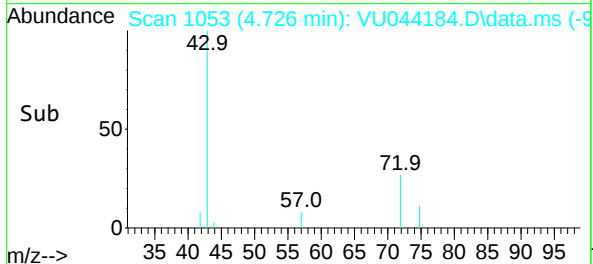
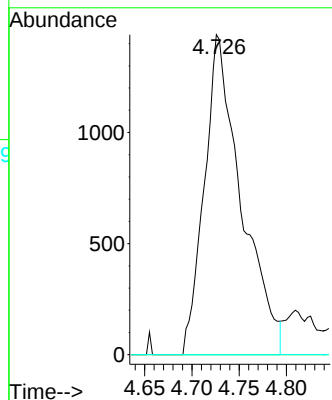
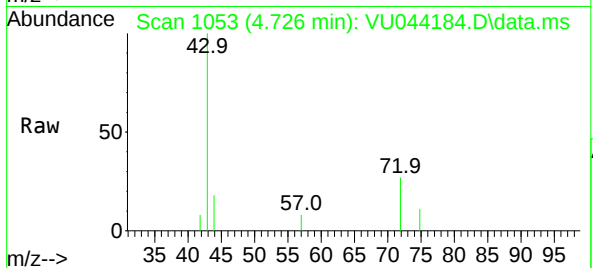
Delta R.T. -0.083 min

Lab File: VU044184.D

Acq: 14 Jun 2021 16:20

Tgt Ion: 43	Resp: 3922
Ion Ratio	Lower Upper
43 100	
61 0.0	11.9 17.9#
70 0.0	9.4 14.0#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.949 ug/l

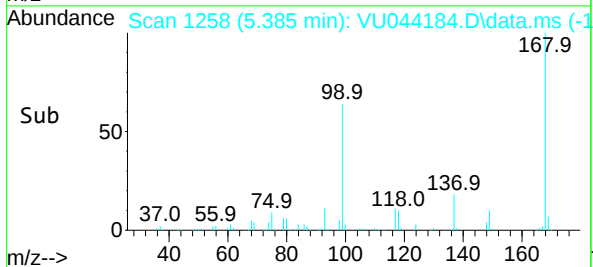
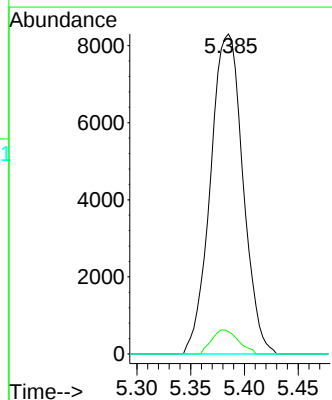
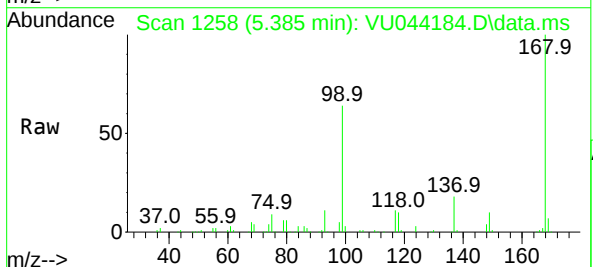
RT: 5.385 min Scan# 1258

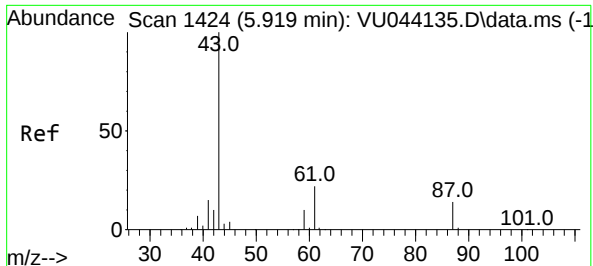
Delta R.T. -0.148 min

Lab File: VU044184.D

Acq: 14 Jun 2021 16:20

Tgt Ion: 117	Resp: 17443
Ion Ratio	Lower Upper
117 100	
119 7.0	76.6 114.8#
121 0.0	24.6 36.8#

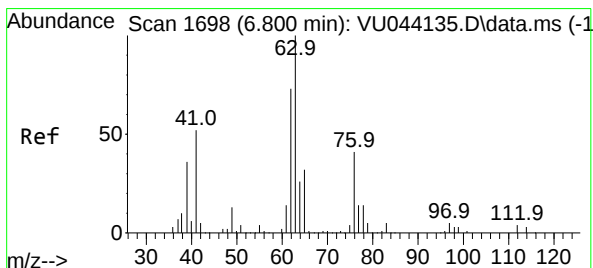
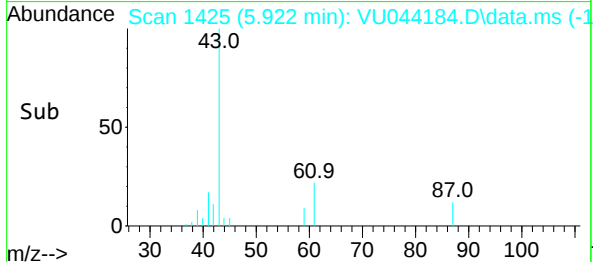
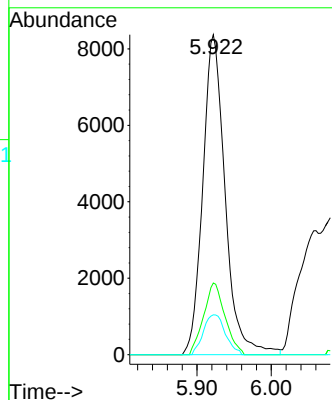
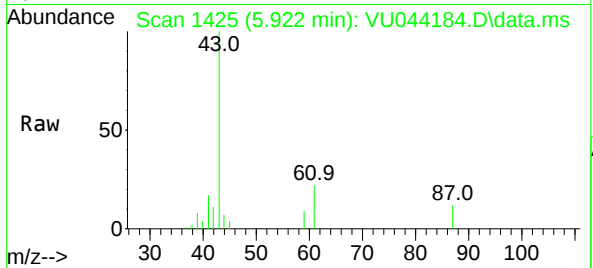




#43
Isopropyl Acetate
Concen: 3.174 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

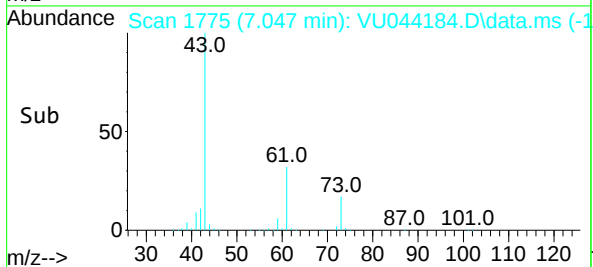
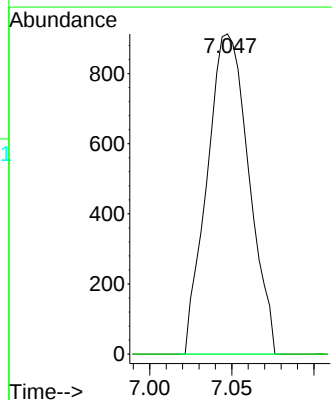
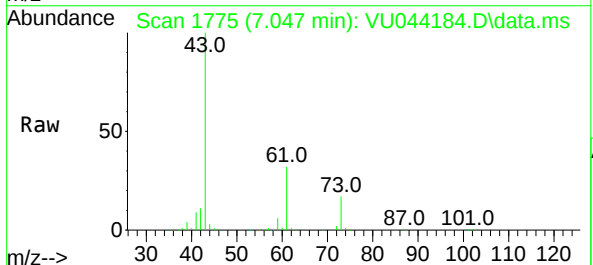
Instrument :
MSVOA_U
ClientSampled :

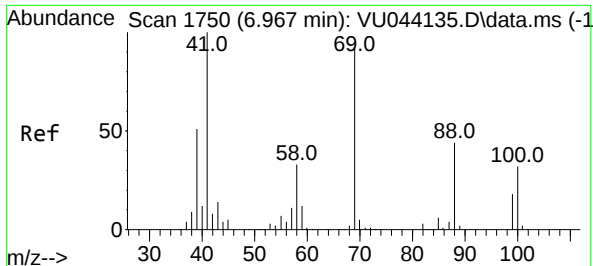
Tgt Ion: 43	Resp: 17517
Ion Ratio	Lower Upper
43 100	
61 21.4	17.8 26.8
87 12.3	11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.618 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 63	Resp: 1615
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#





#48

Methyl methacrylate

Concen: 2.343 ug/l

RT: 6.906 min Scan# 1731

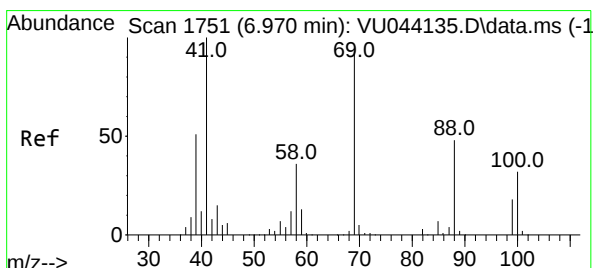
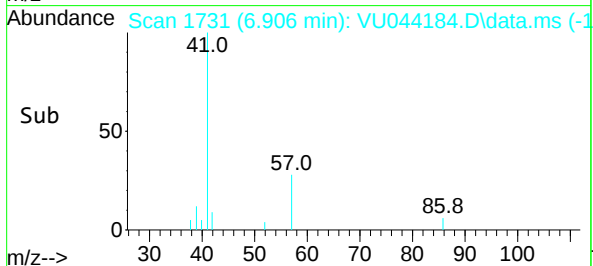
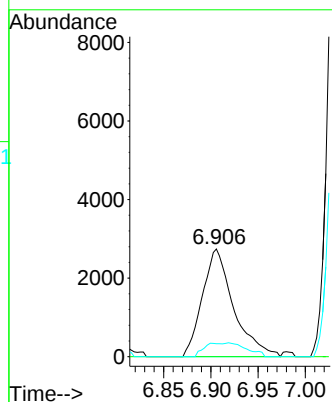
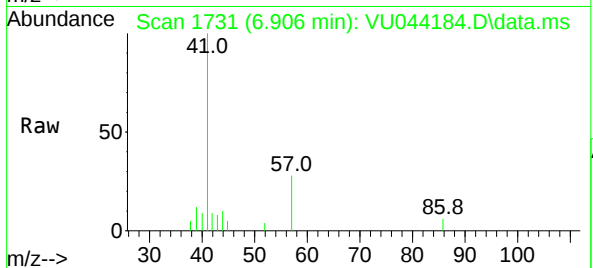
Delta R.T. -0.061 min

Lab File: VU044184.D

Acq: 14 Jun 2021 16:20

Tgt Ion:	41	Resp:	6293
Ion	Ratio	Lower	Upper
41	100		
69	0.0	74.0	111.0#
39	0.0	41.5	62.3#

Instrument :
MSVOA_U
ClientSampled :



#49

1,4-Dioxane

Concen: 0.285 ug/l

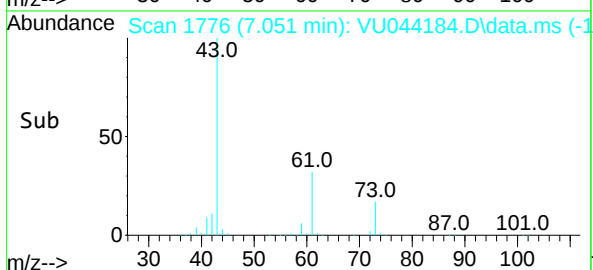
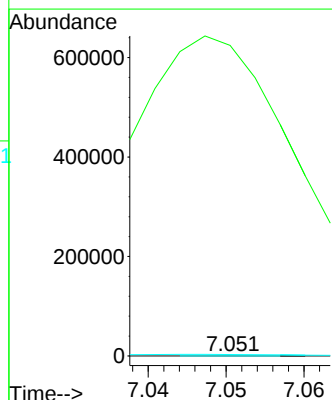
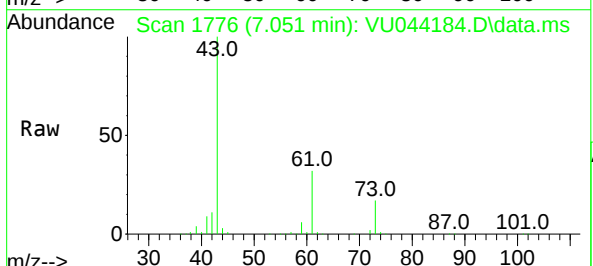
RT: 7.051 min Scan# 1776

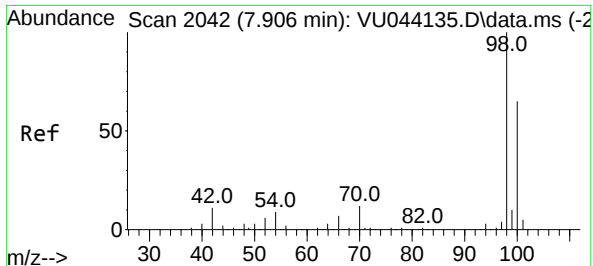
Delta R.T. 0.081 min

Lab File: VU044184.D

Acq: 14 Jun 2021 16:20

Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	5824535.0	23.4	35.0#
58	30065.0	58.1	87.1#

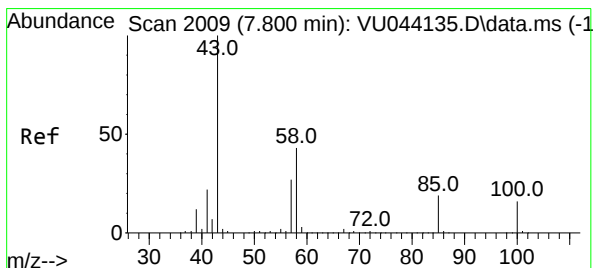
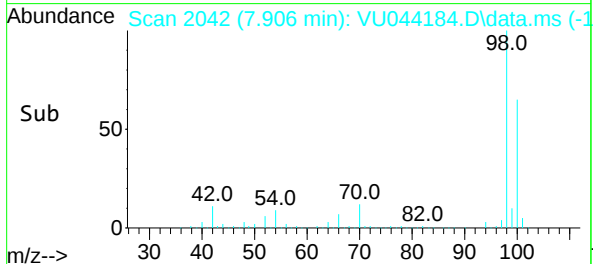
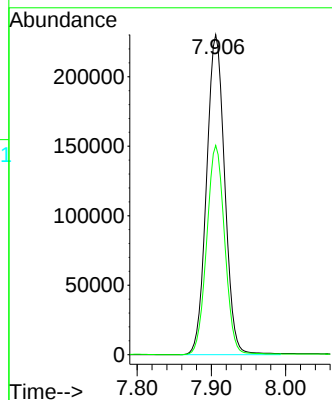
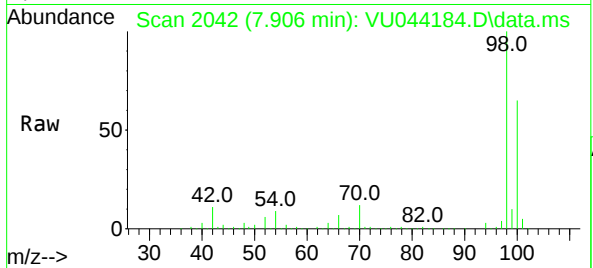




#50
Toluene-d8
Concen: 50.177 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

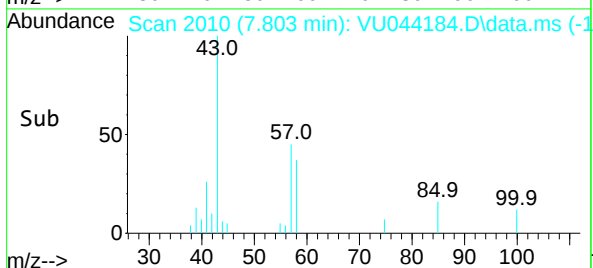
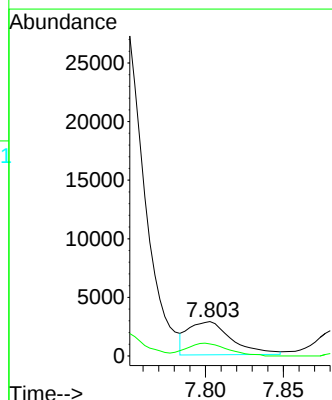
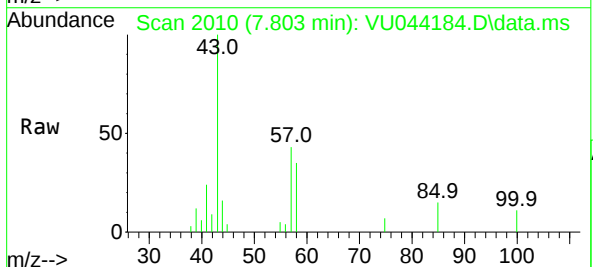
Instrument :
MSVOA_U
ClientSampled :

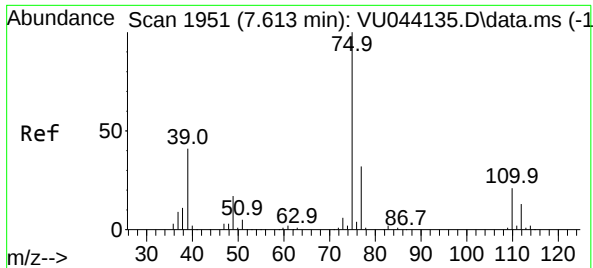
Tgt Ion: 98 Resp: 391342
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.371 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 43 Resp: 5476
Ion Ratio Lower Upper
43 100
58 36.7 34.5 51.7

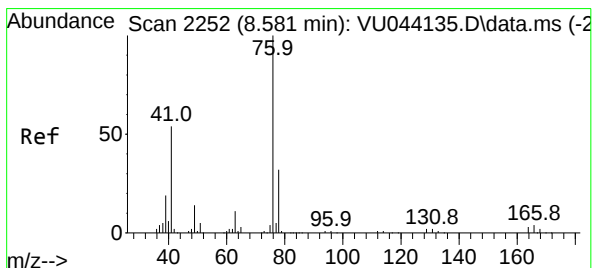
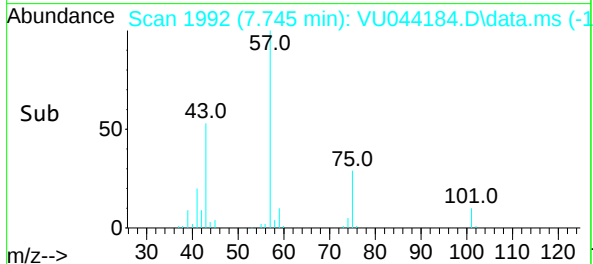
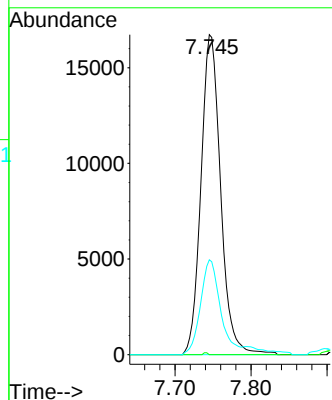
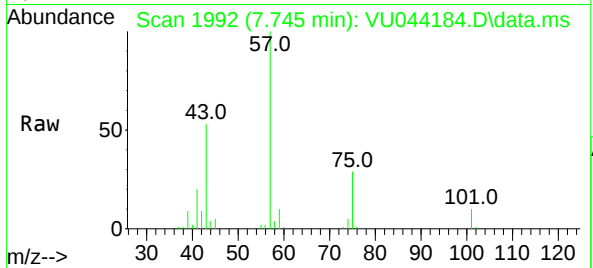




#54
cis-1,3-Dichloropropene
Concen: 7.686 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

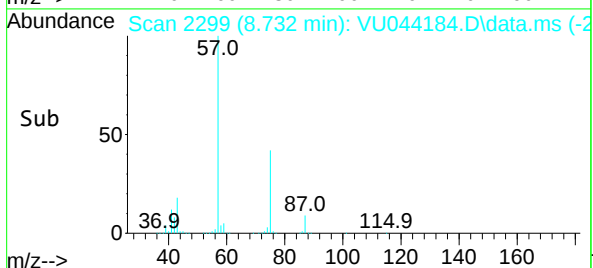
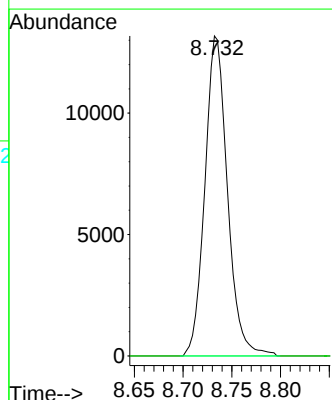
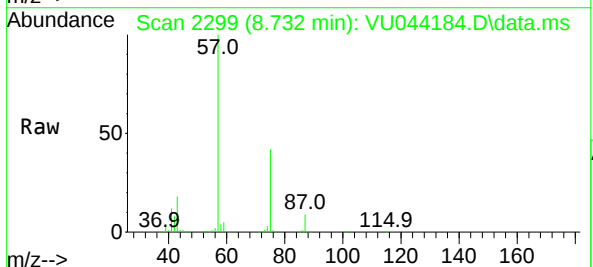
Instrument :
MSVOA_U
ClientSampled :

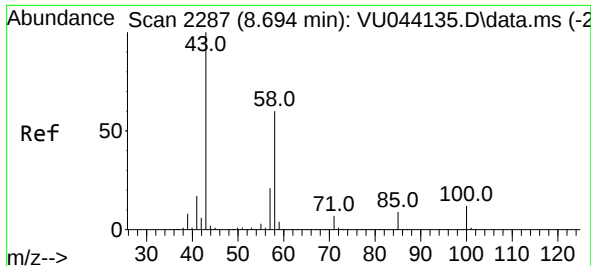
Tgt Ion: 75 Resp: 30088
Ion Ratio Lower Upper
75 100
77 0.0 25.9 38.9#
39 29.7 33.2 49.8#



#57
1,3-Dichloropropane
Concen: 4.996 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 76 Resp: 21237
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

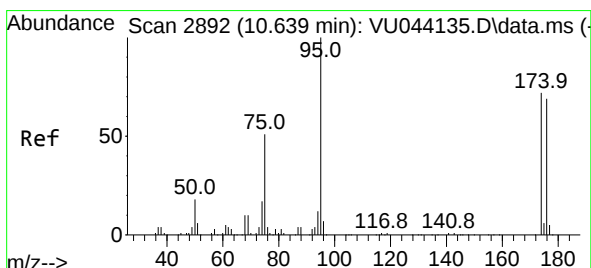
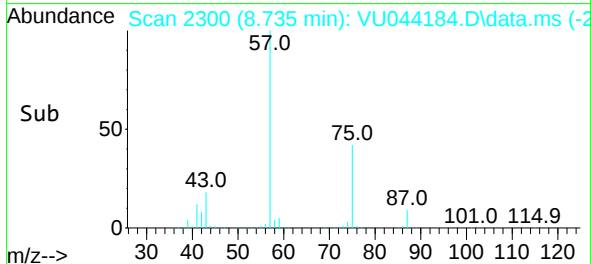
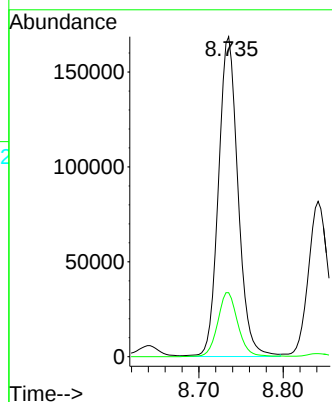
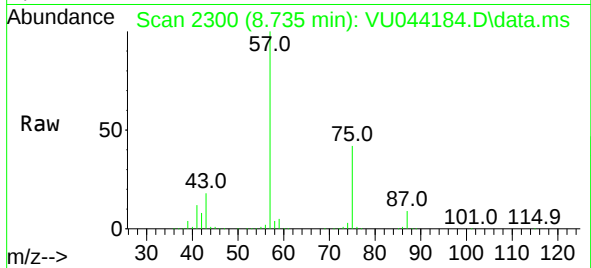




#59
2-Hexanone
Concen: 85.071 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

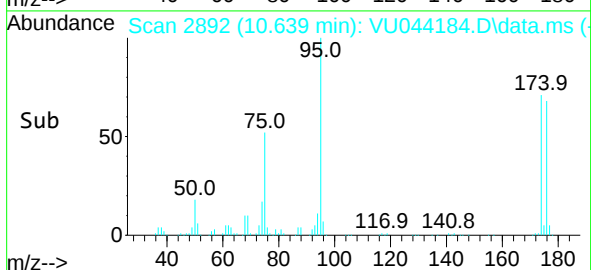
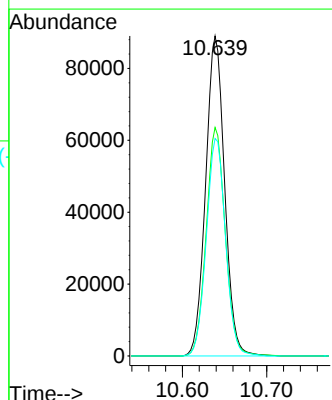
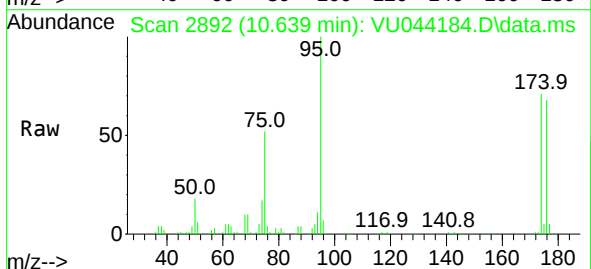
Instrument :
MSVOA_U
ClientSampleId :

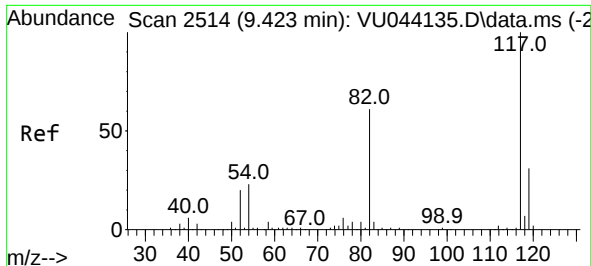
Tgt Ion: 43 Resp: 271164
Ion Ratio Lower Upper
43 100
58 20.9 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 44.671 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 95 Resp: 139620
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.4
176 68.8 0.0 138.0

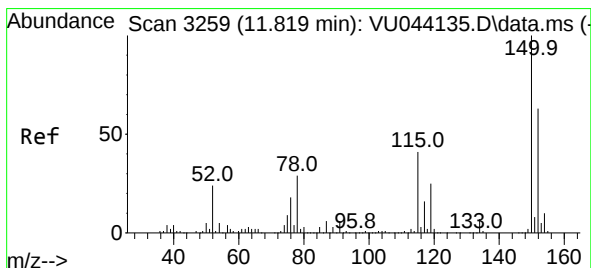
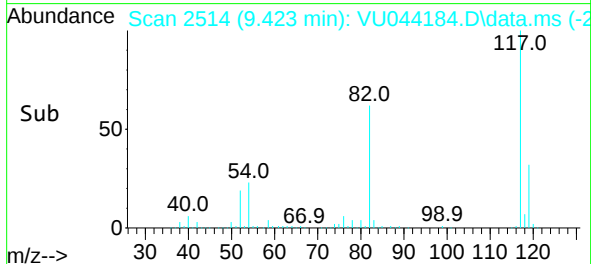
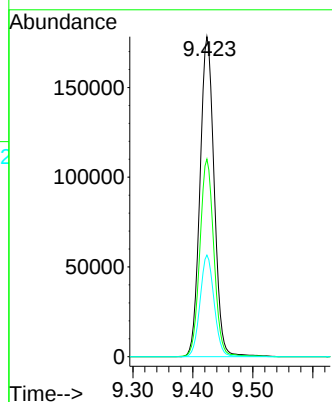
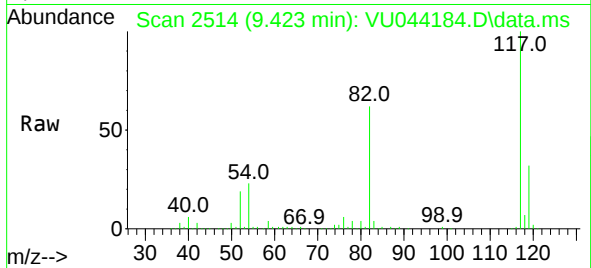




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

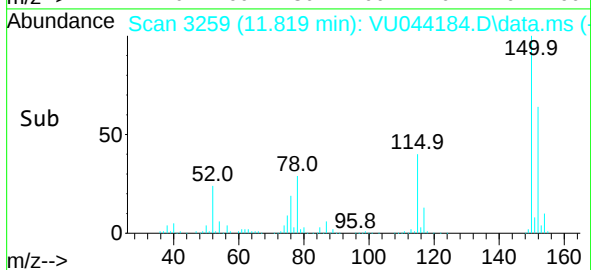
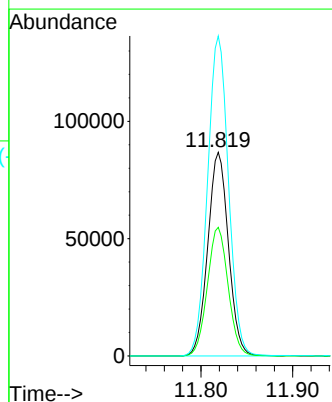
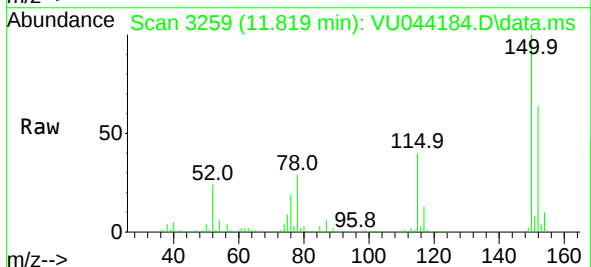
Instrument :
MSVOA_U
ClientSampleId :

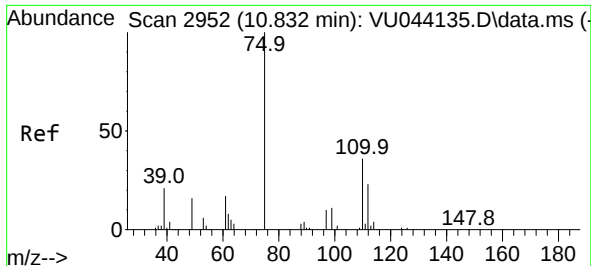
Tgt Ion:117 Resp: 294620
Ion Ratio Lower Upper
117 100
82 61.8 48.8 73.2
119 31.8 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Tgt Ion:152 Resp: 135847
Ion Ratio Lower Upper
152 100
115 63.6 43.8 131.3
150 159.1 0.0 350.6

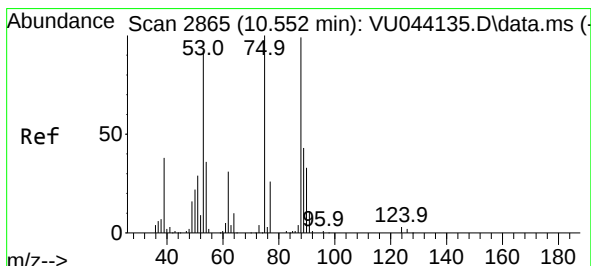
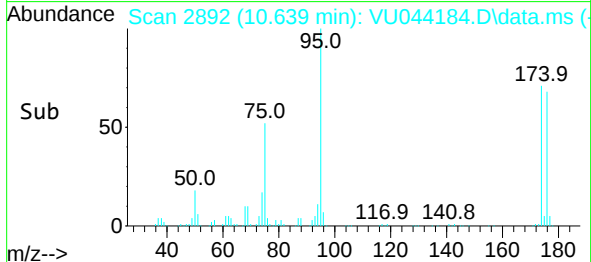
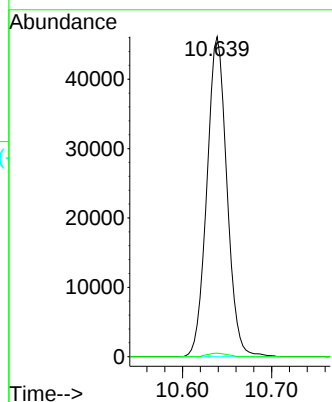
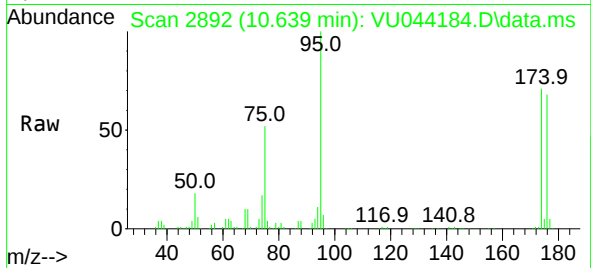




#76
1,2,3-Trichloropropane
Concen: 15.802 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

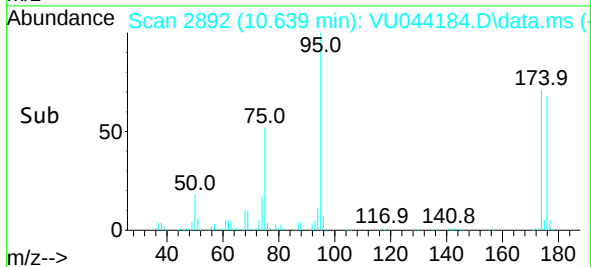
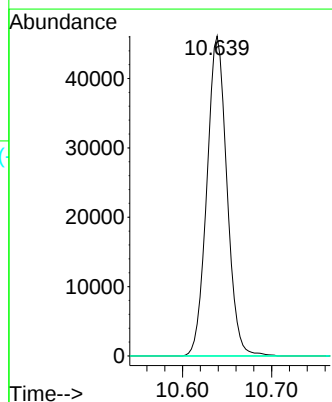
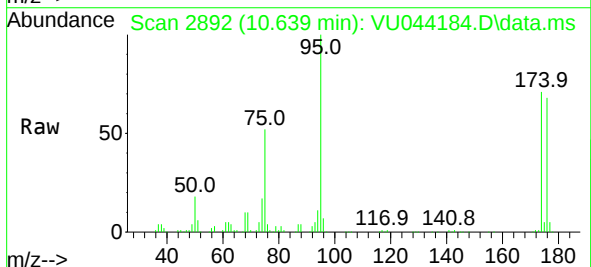
Instrument :
MSVOA_U
ClientSampled :

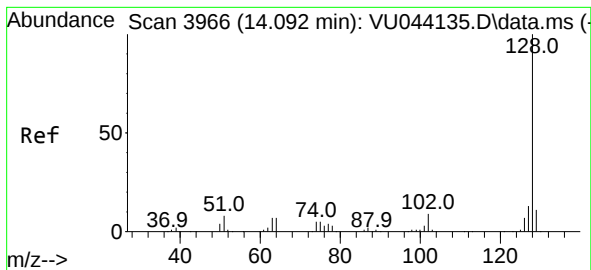
Tgt Ion: 75 Resp: 71973
Ion Ratio Lower Upper
75 100
77 1.1 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.282 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Tgt Ion: 75 Resp: 71973
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.862 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU044184.D
Acq: 14 Jun 2021 16:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 267
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

