

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044213.D
 Acq On : 15 Jun 2021 04:20
 Operator : SY/MD
 Sample : M2687-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

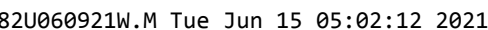
Quant Time: Jun 15 05:02:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

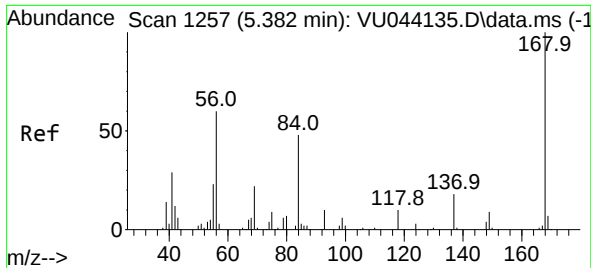
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.385	168	175918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	324446	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	309413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	147505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	132870	47.495	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.000%	
35) Dibromofluoromethane	5.301	113	104748	46.412	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.820%	
50) Toluene-d8	7.906	98	410698	47.383	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.760%	
62) 4-Bromofluorobenzene	10.639	95	145186	41.797	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	204	Below Cal	#	41
6) Chloroethane	1.919	64	57	Below Cal	#	42
13) Acrolein	2.504	56	125	Below Cal	#	35
16) Acetone	2.658	43	11641	5.969	ug/l	95
18) Methyl Acetate	2.964	43	1808	0.502	ug/l #	73
20) Methylene Chloride	3.057	84	15744	5.170	ug/l	97
25) 2-Butanone	4.732	43	2616	1.120	ug/l	91
29) Tetrahydrofuran	5.080	42	308	0.243	ug/l #	35
31) Cyclohexane	5.382	56	3936	0.997	ug/l #	1
36) 1,1-Dichloropropene	5.385	75	14716	4.077	ug/l #	49
37) Ethyl Acetate	4.732	43	2616	0.605	ug/l #	67
38) Carbon Tetrachloride	5.385	117	18281	5.610	ug/l #	17
43) Isopropyl Acetate	5.922	43	18333	2.989	ug/l	96
45) 1,2-Dichloropropane	7.047	63	1555	0.535	ug/l #	43
48) Methyl methacrylate	6.906	41	7030	2.356	ug/l #	11
49) 1,4-Dioxane	7.051	88	90	1.153	ug/l #	1
51) 4-Methyl-2-Pentanone	7.745	43	54782	12.342	ug/l #	44
54) cis-1,3-Dichloropropene	7.745	75	31375	7.212	ug/l #	63
57) 1,3-Dichloropropane	8.735	76	22160	4.690	ug/l #	42
59) 2-Hexanone	8.735	43	262926	74.222	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	73675	14.897	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	73675	54.002	ug/l #	13
95) Naphthalene	14.098	128	196	2.854	ug/l #	69

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

Quant Time: Jun 15 05:02:04 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

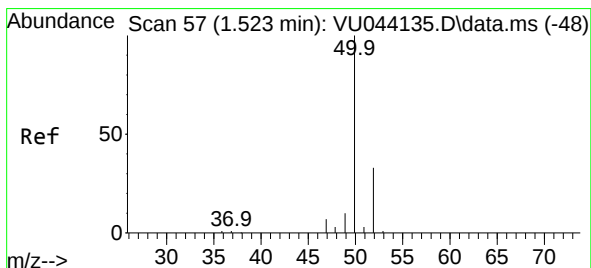
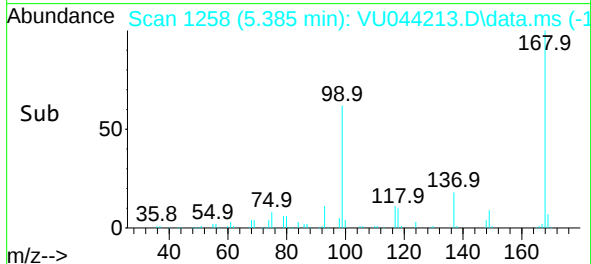
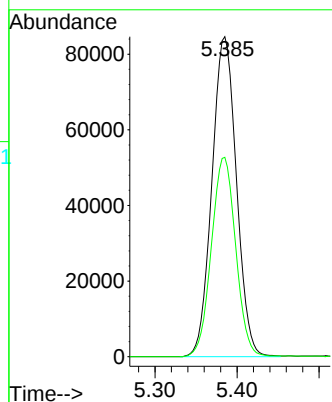
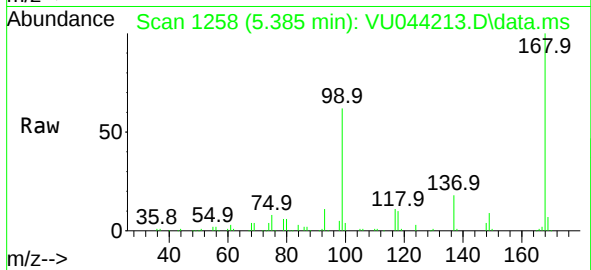




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

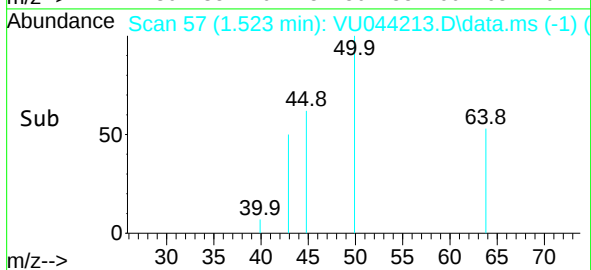
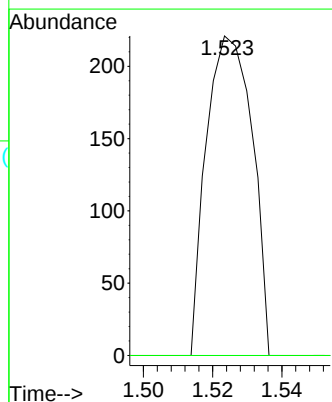
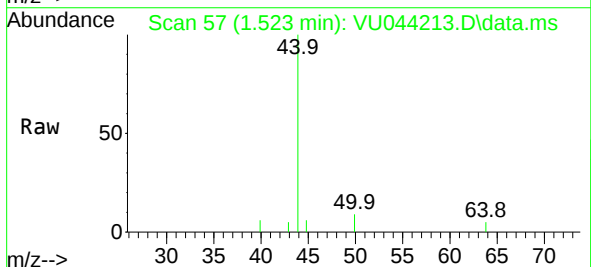
Instrument :
MSVOA_U
ClientSampled :

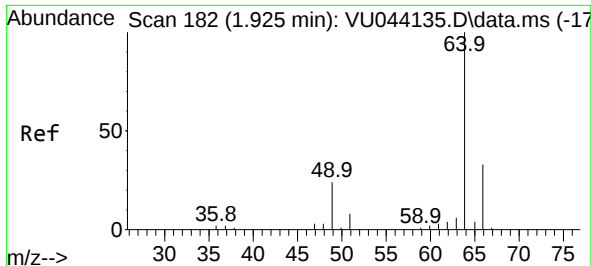
Tgt Ion:168 Resp: 175918
Ion Ratio Lower Upper
168 100
99 62.3 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Tgt Ion: 50 Resp: 204
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

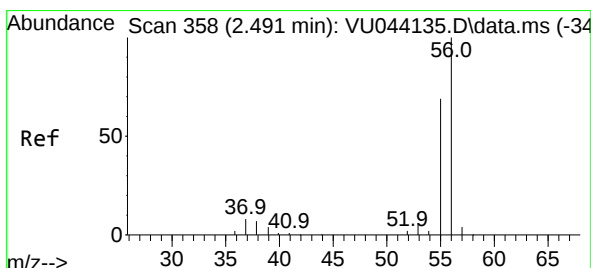
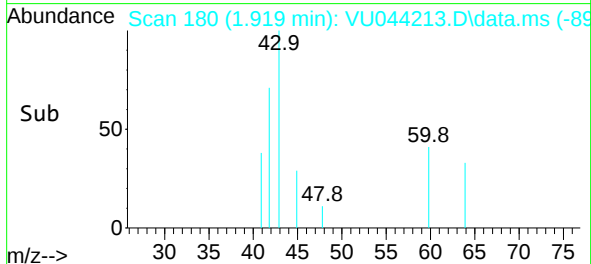
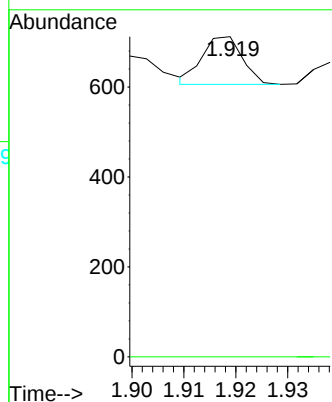
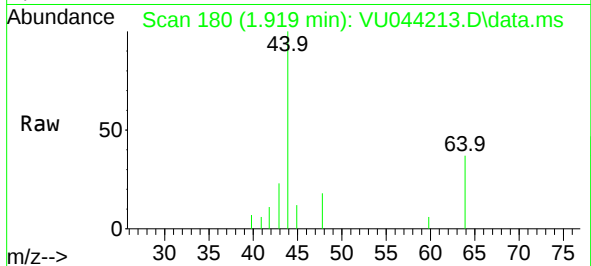




#6
Chloroethane
Concen: Below Cal
RT: 1.919 min Scan# 180
Delta R.T. -0.006 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

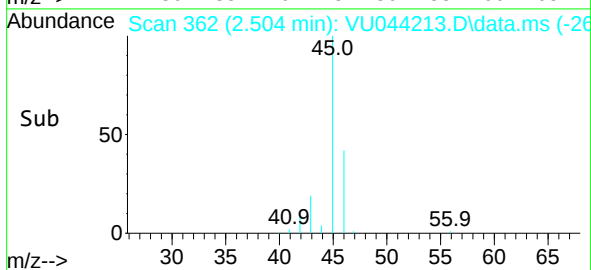
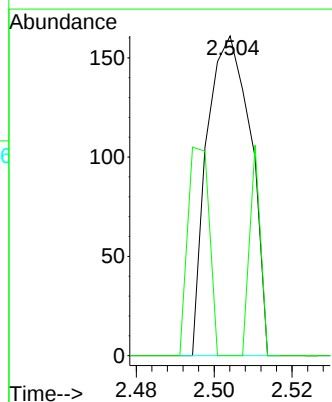
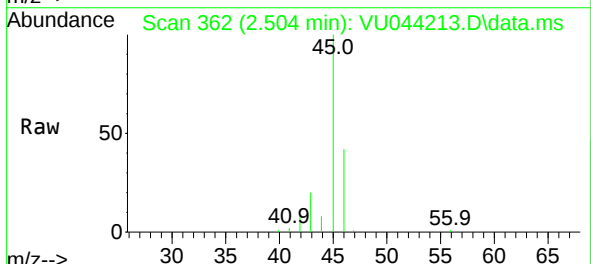
Instrument :
MSVOA_U
ClientSampleId :

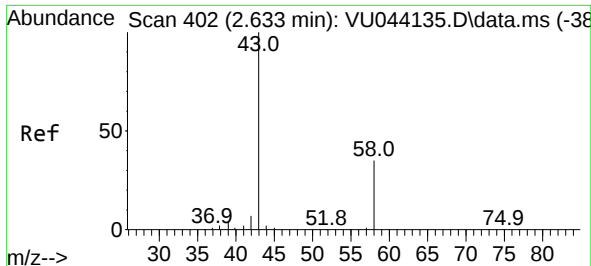
Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#13
Acrolein
Concen: Below Cal
RT: 2.504 min Scan# 362
Delta R.T. 0.013 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 16.0 55.1 82.7#

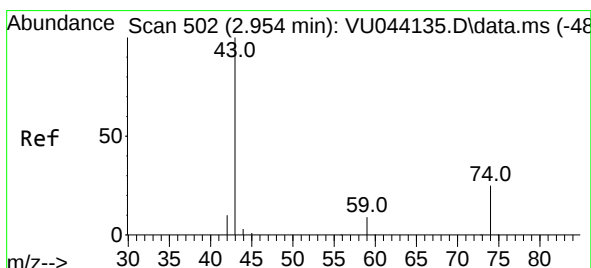
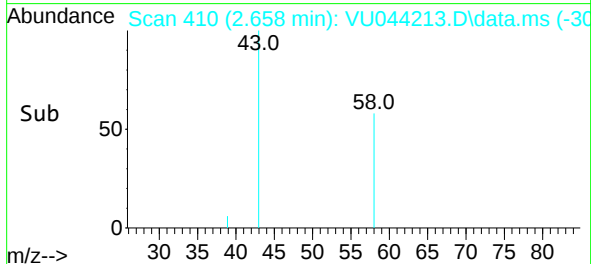
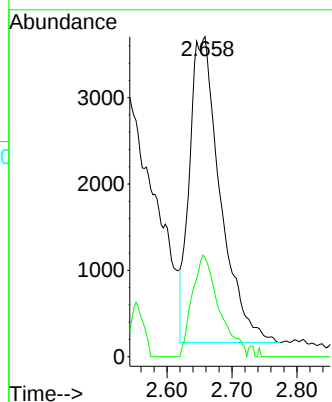
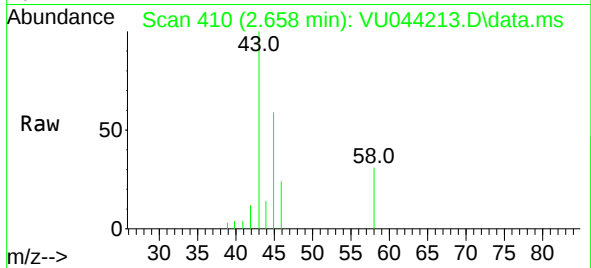




#16
Acetone
Concen: 5.969 ug/l
RT: 2.658 min Scan# 410
Delta R.T. 0.025 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

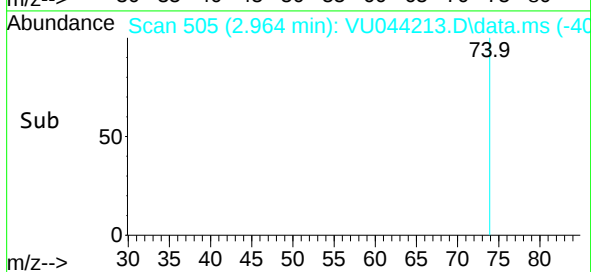
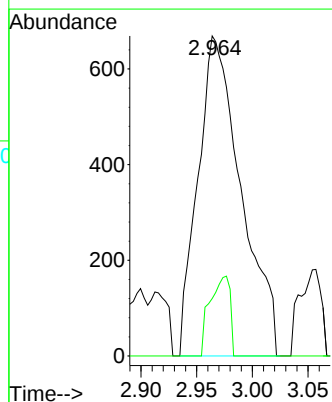
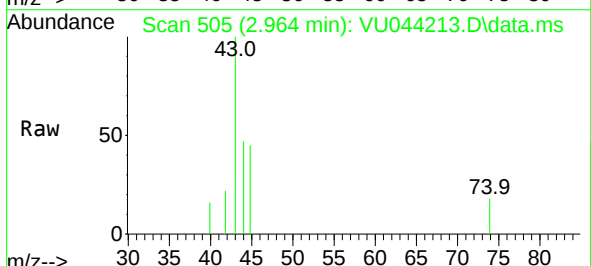
Instrument :
MSVOA_U
ClientSampled :

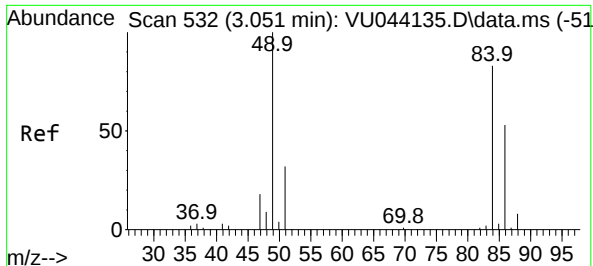
Tgt Ion: 43 Resp: 11641
Ion Ratio Lower Upper
43 100
58 32.4 28.0 42.0



#18
Methyl Acetate
Concen: 0.502 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
74 11.6 20.3 30.5#





#20

Methylene Chloride

Concen: 5.170 ug/l

RT: 3.057 min Scan# 534

Delta R.T. 0.006 min

Lab File: VU044213.D

Acq: 15 Jun 2021 04:20

Tgt Ion: 84 Resp: 15744

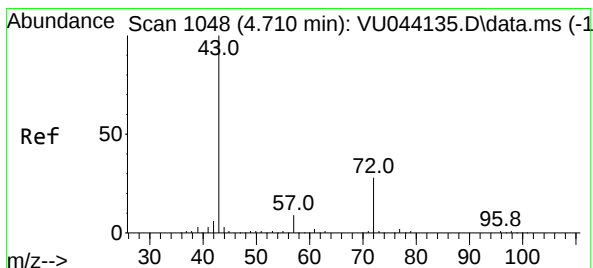
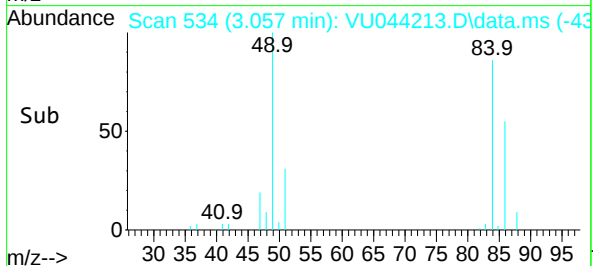
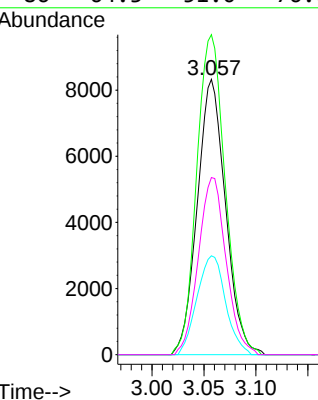
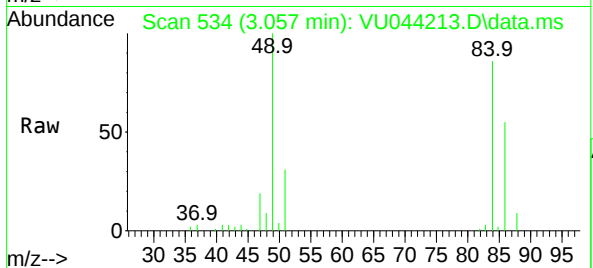
Ion Ratio Lower Upper

84 100

49 116.2 96.9 145.3

51 35.9 31.0 46.6

86 64.3 51.0 76.6



#25

2-Butanone

Concen: 1.120 ug/l

RT: 4.732 min Scan# 1055

Delta R.T. 0.022 min

Lab File: VU044213.D

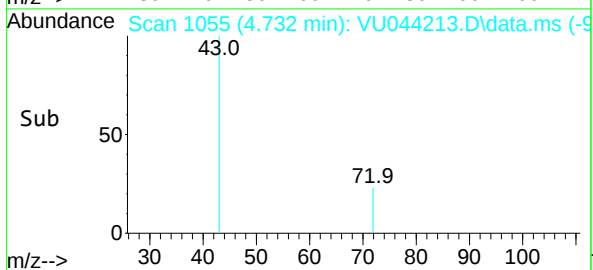
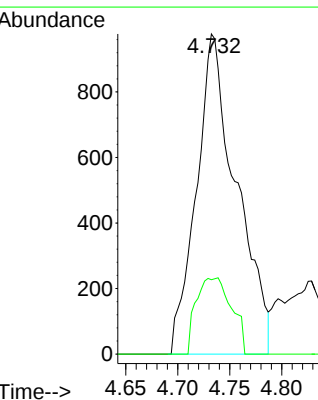
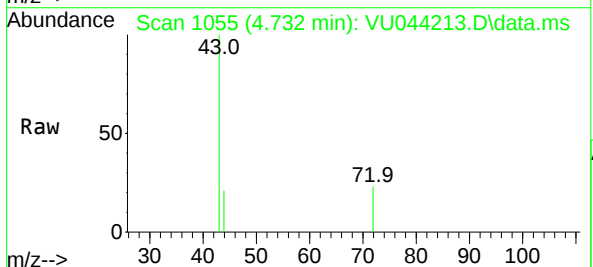
Acq: 15 Jun 2021 04:20

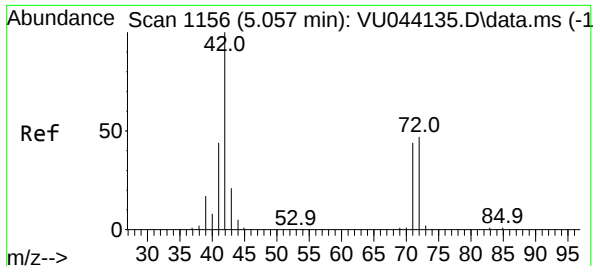
Tgt Ion: 43 Resp: 2616

Ion Ratio Lower Upper

43 100

72 23.2 22.6 33.8





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.080 min Scan# 1163

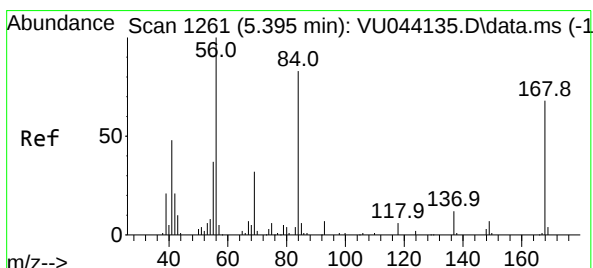
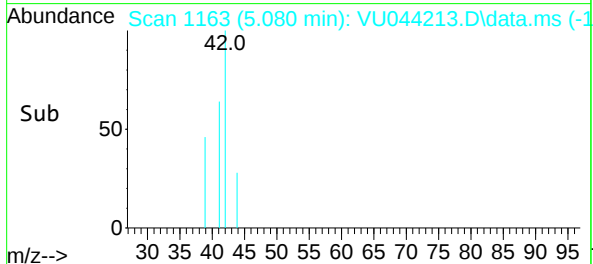
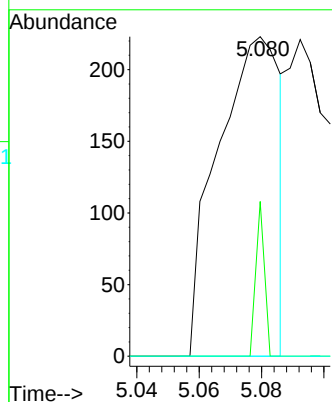
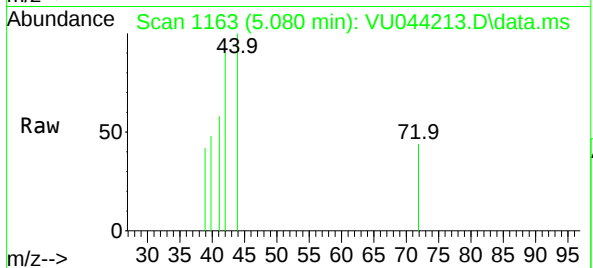
Delta R.T. 0.023 min

Lab File: VU044213.D

Acq: 15 Jun 2021 04:20

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 42	Resp: 308
Ion Ratio	Lower Upper
42	100
72	6.8 38.6 57.8#
71	0.0 35.5 53.3#



#31

Cyclohexane

Concen: 0.997 ug/l

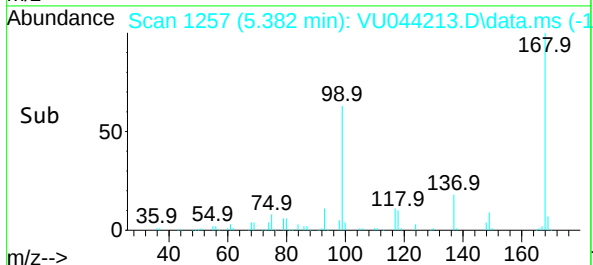
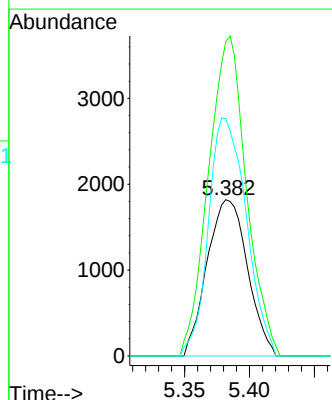
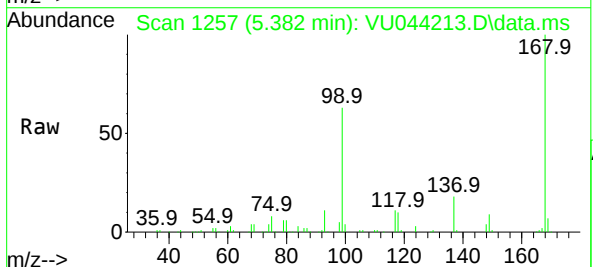
RT: 5.382 min Scan# 1257

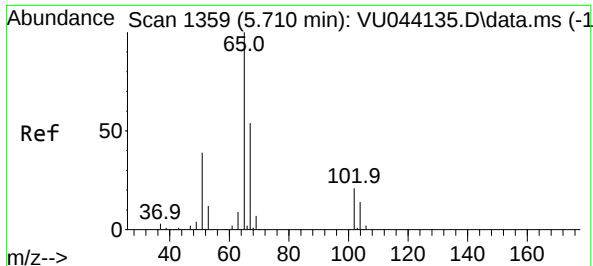
Delta R.T. -0.013 min

Lab File: VU044213.D

Acq: 15 Jun 2021 04:20

Tgt Ion: 56	Resp: 3936
Ion Ratio	Lower Upper
56	100
69	201.0 25.5 38.3#
84	151.9 66.3 99.5#



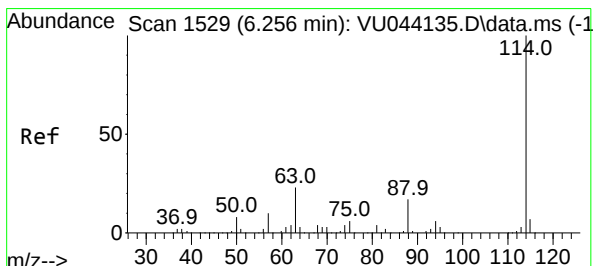
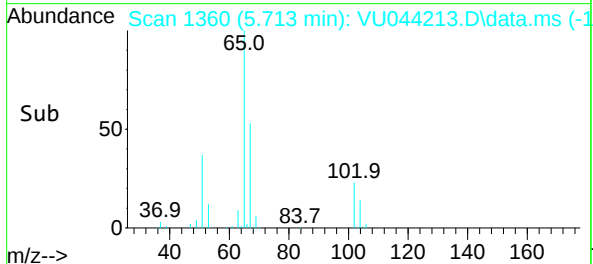
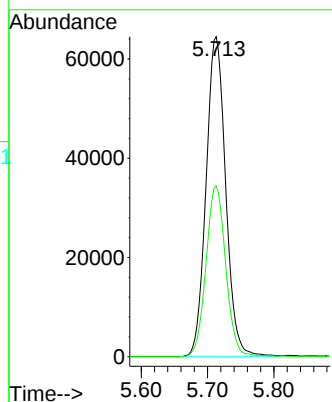
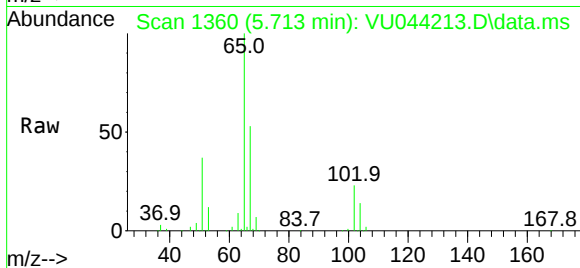


#33

1,2-Dichloroethane-d4
Concen: 47.495 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Instrument :
MSVOA_U
ClientSampleId :

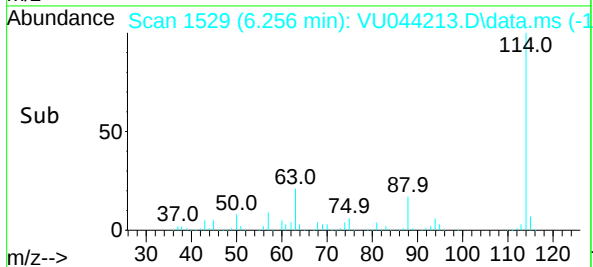
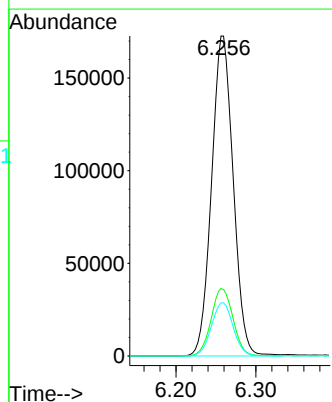
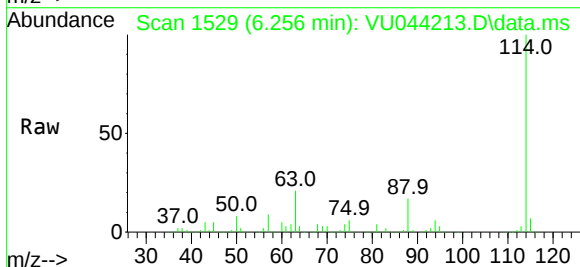
Tgt Ion: 65 Resp: 132870
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6

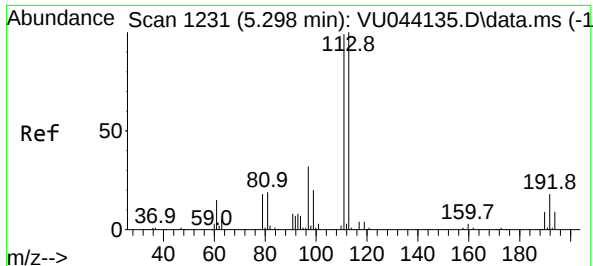


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Tgt Ion:114 Resp: 324446
Ion Ratio Lower Upper
114 100
63 21.1 0.0 45.8
88 16.5 0.0 34.0



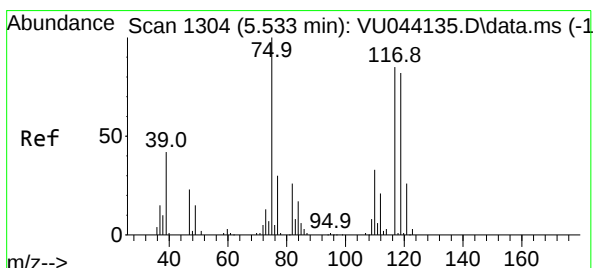
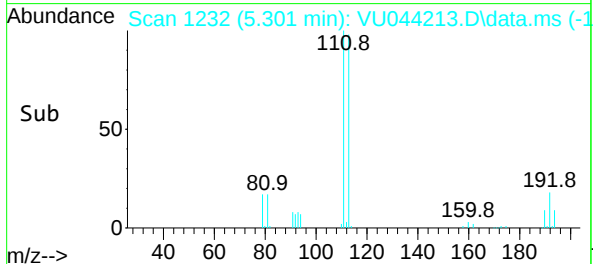
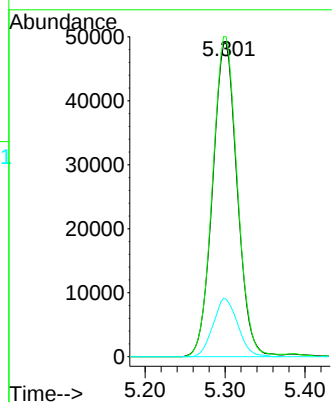
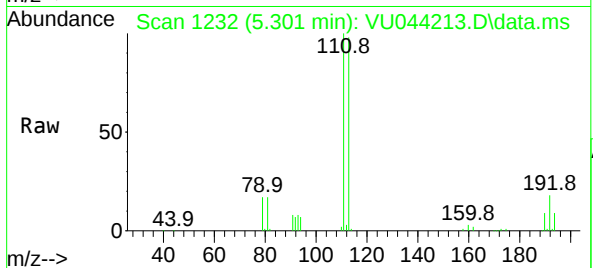


#35

Dibromofluoromethane
Concen: 46.412 ug/l
RT: 5.301 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Instrument :
MSVOA_U
ClientSampleId :

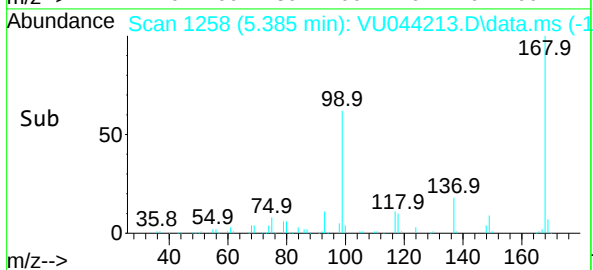
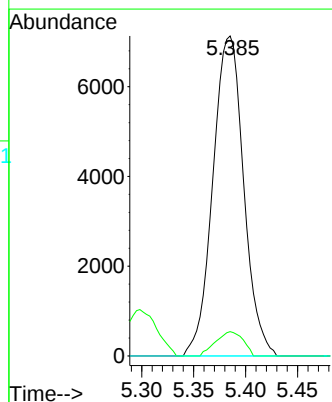
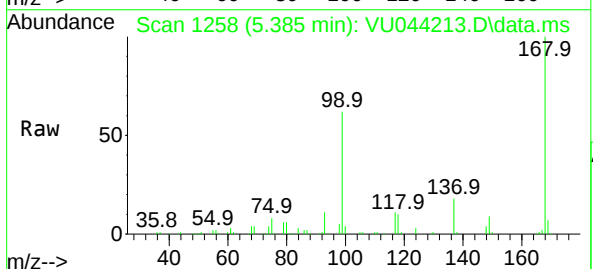
Tgt Ion:113 Resp: 104748
Ion Ratio Lower Upper
113 100
111 102.5 81.0 121.4
192 18.6 14.3 21.5

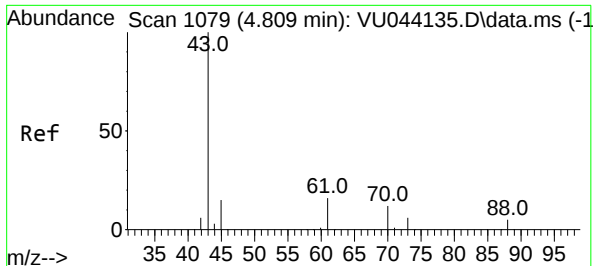


#36

1,1-Dichloropropene
Concen: 4.077 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Tgt Ion: 75 Resp: 14716
Ion Ratio Lower Upper
75 100
110 6.7 16.4 49.4#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.605 ug/l

RT: 4.732 min Scan# 1055

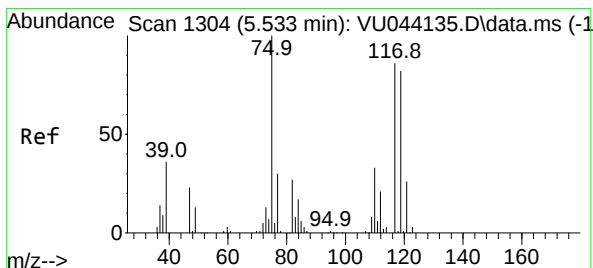
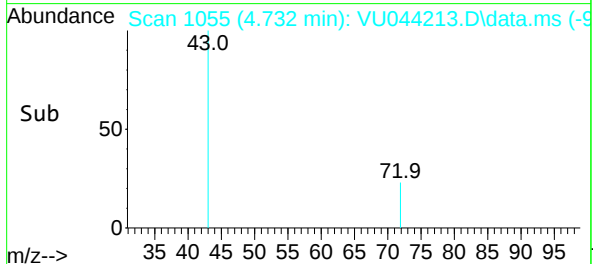
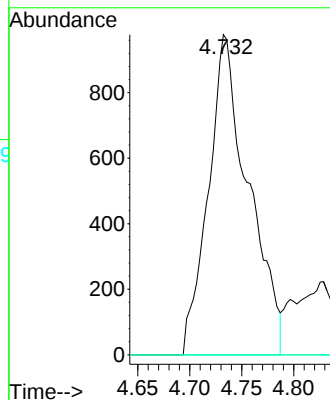
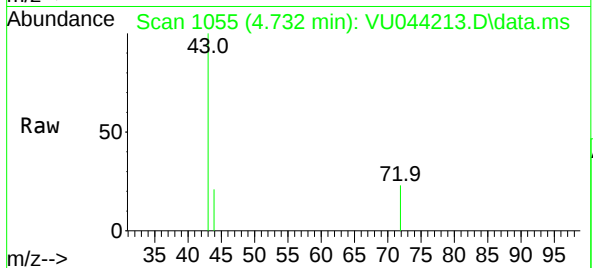
Delta R.T. -0.077 min

Lab File: VU044213.D

Acq: 15 Jun 2021 04:20

Tgt Ion: 43	Resp: 2616
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: 5.610 ug/l

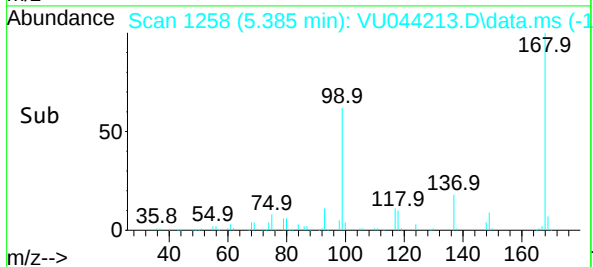
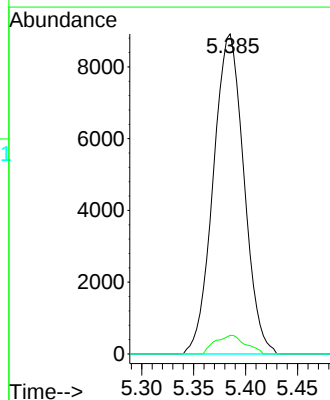
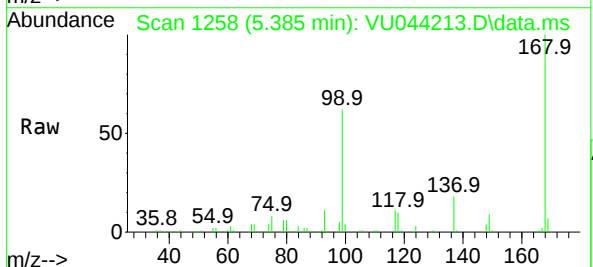
RT: 5.385 min Scan# 1258

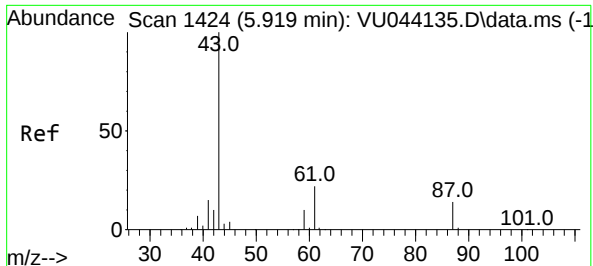
Delta R.T. -0.148 min

Lab File: VU044213.D

Acq: 15 Jun 2021 04:20

Tgt Ion: 117	Resp: 18281
Ion Ratio	Lower Upper
117 100	
119 5.8	76.6 114.8#
121 0.0	24.6 36.8#

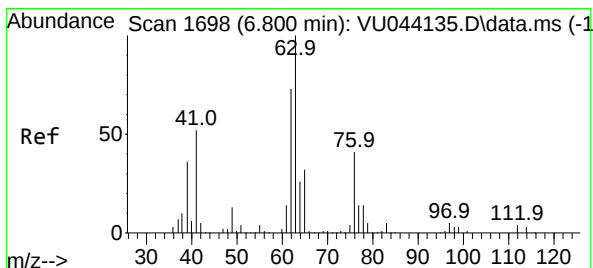
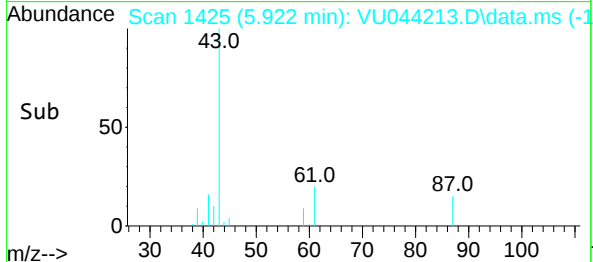
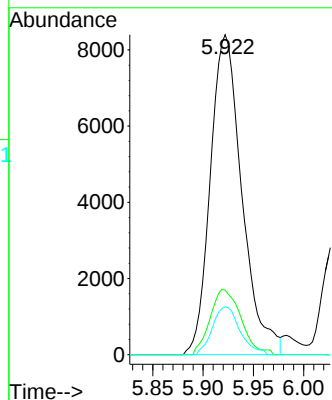
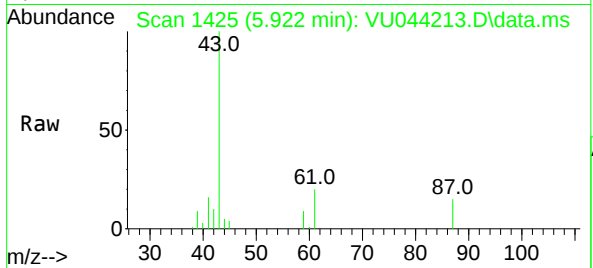




#43
Isopropyl Acetate
Concen: 2.989 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

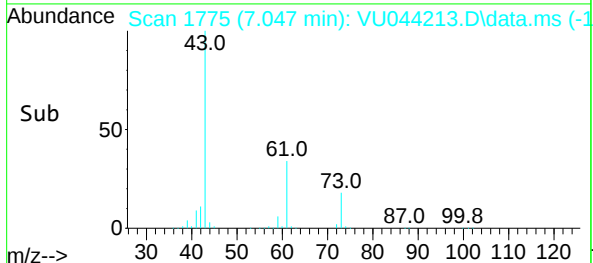
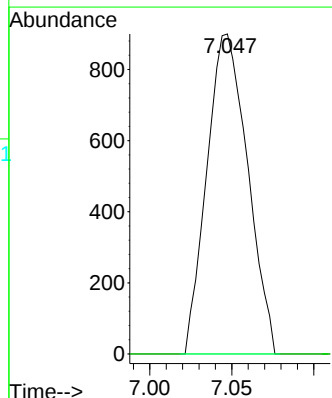
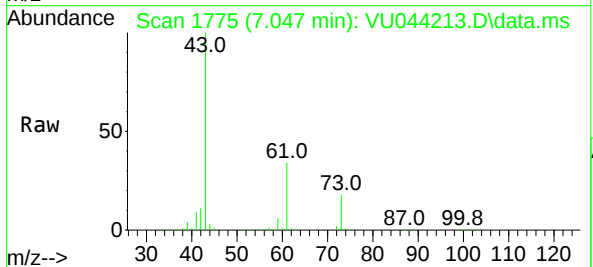
Instrument :
MSVOA_U
ClientSampleId :

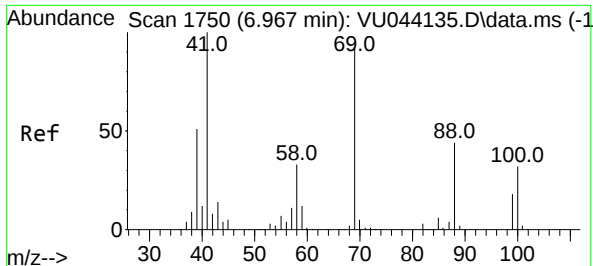
Tgt Ion: 43 Resp: 18333
Ion Ratio Lower Upper
43 100
61 20.0 17.8 26.8
87 13.1 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.535 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Tgt Ion: 63 Resp: 1555
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 2.356 ug/l

RT: 6.906 min Scan# 1731

Delta R.T. -0.061 min

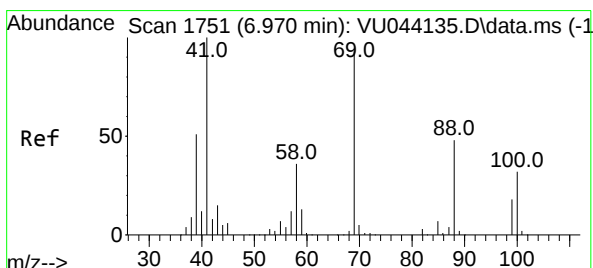
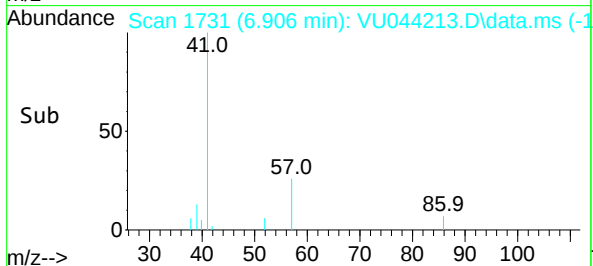
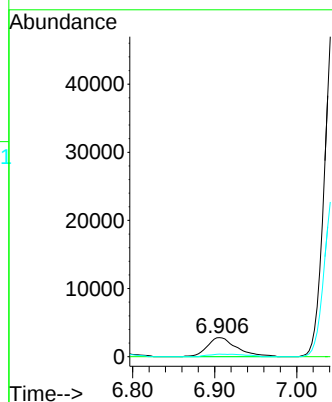
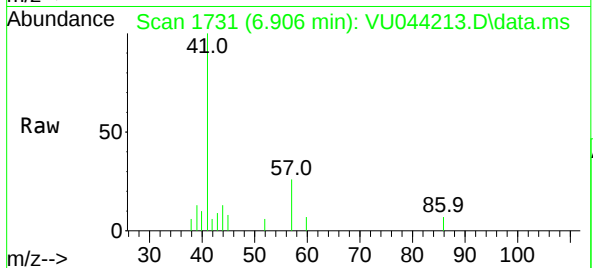
Lab File: VU044213.D

Acq: 15 Jun 2021 04:20

Tgt Ion: 41 Resp: 7030

Ion	Ratio	Lower	Upper
41	100		
69	0.0	74.0	111.0#
39	0.0	41.5	62.3#

Instrument :
MSVOA_U
ClientSampleId :



#49

1,4-Dioxane

Concen: 1.153 ug/l

RT: 7.051 min Scan# 1776

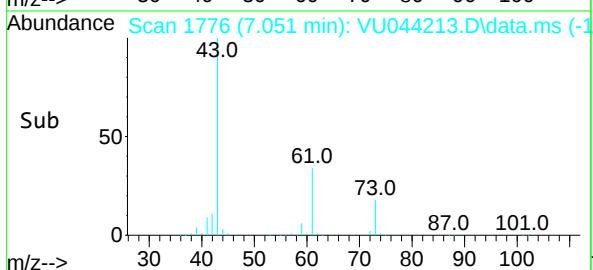
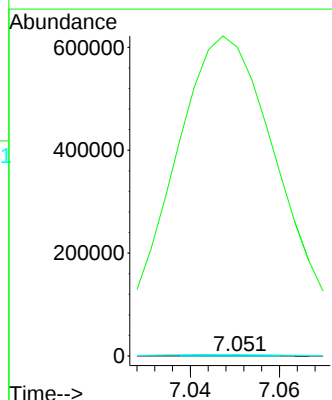
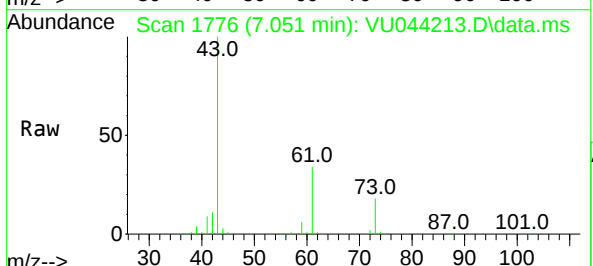
Delta R.T. 0.081 min

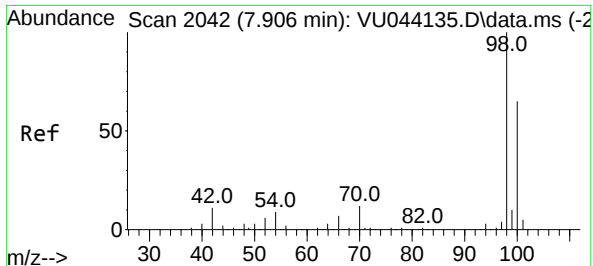
Lab File: VU044213.D

Acq: 15 Jun 2021 04:20

Tgt Ion: 88 Resp: 90

Ion	Ratio	Lower	Upper
88	100		
43	1248821.1	23.4	35.0#
58	6738.9	58.1	87.1#





#50

Toluene-d8

Concen: 47.383 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044213.D

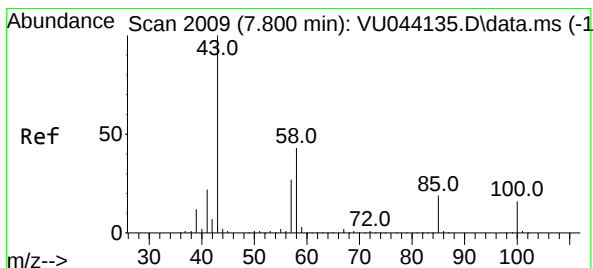
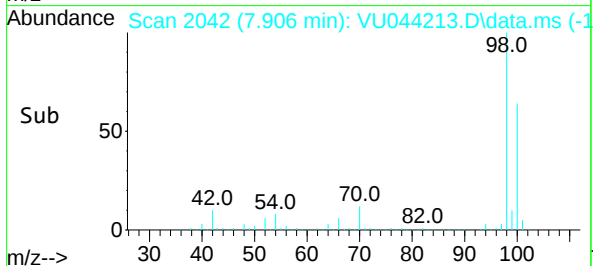
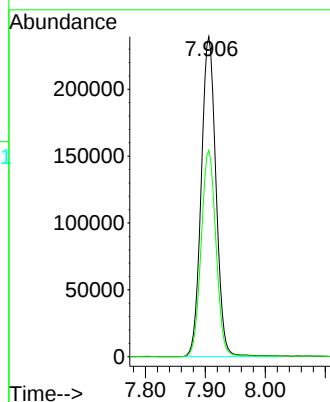
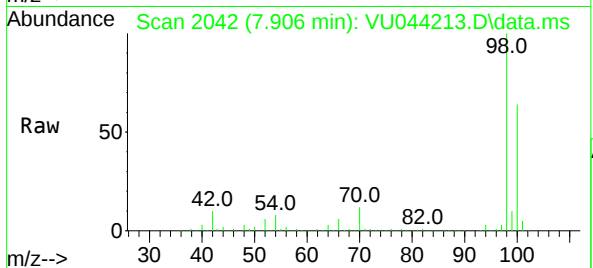
Acq: 15 Jun 2021 04:20

Tgt Ion: 98 Resp: 410698

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 12.342 ug/l

RT: 7.745 min Scan# 1992

Delta R.T. -0.055 min

Lab File: VU044213.D

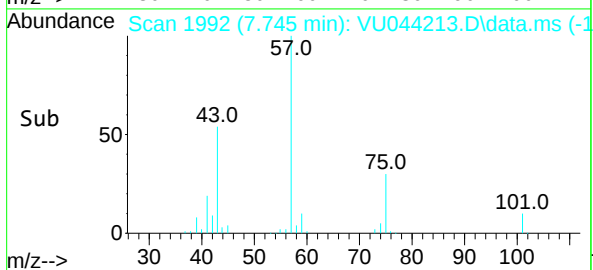
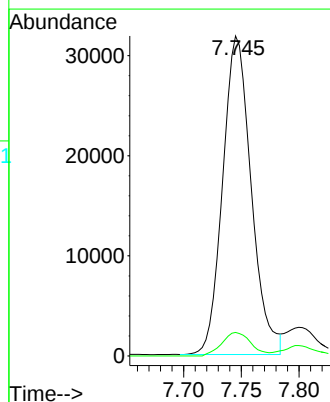
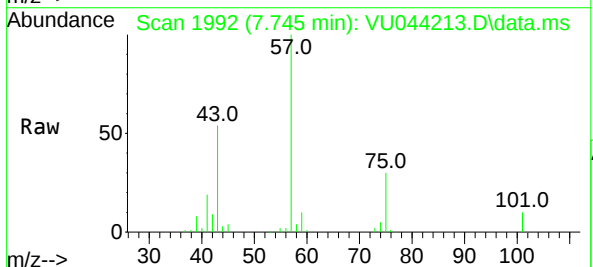
Acq: 15 Jun 2021 04:20

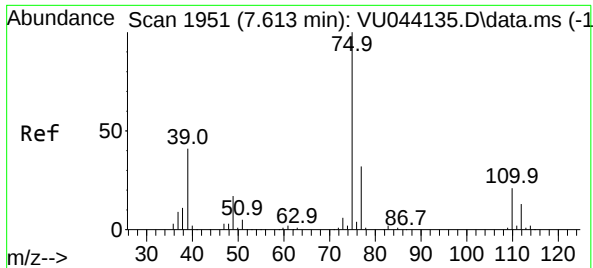
Tgt Ion: 43 Resp: 54782

Ion Ratio Lower Upper

43 100

58 7.5 34.5 51.7#

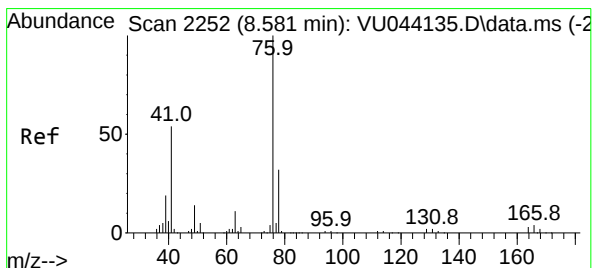
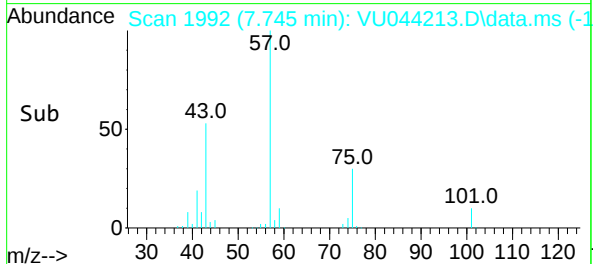
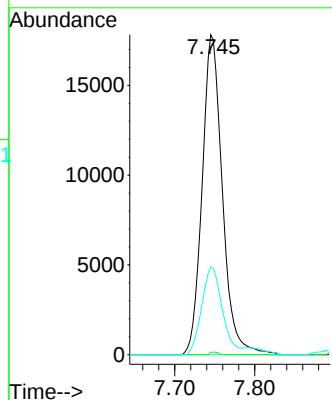
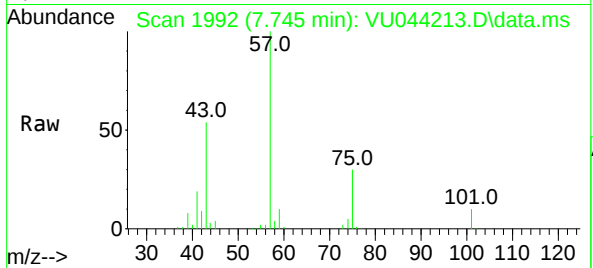




#54
 cis-1,3-Dichloropropene
 Concen: 7.212 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044213.D
 Acq: 15 Jun 2021 04:20

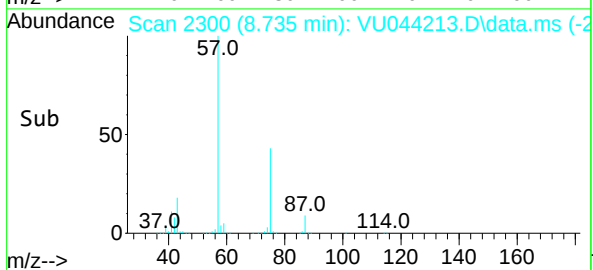
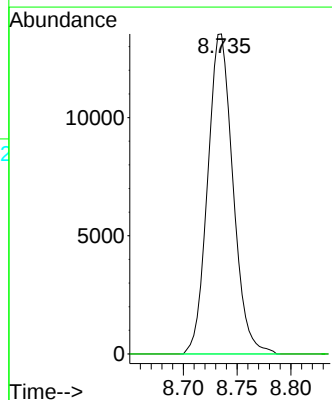
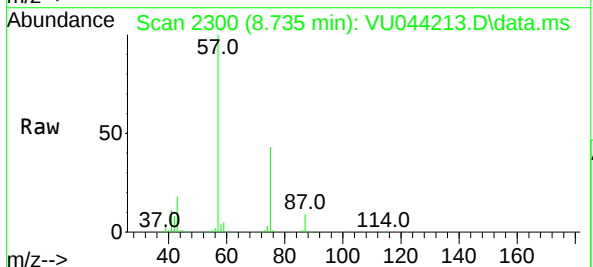
Instrument :
 MSVOA_U
 ClientSampleId :

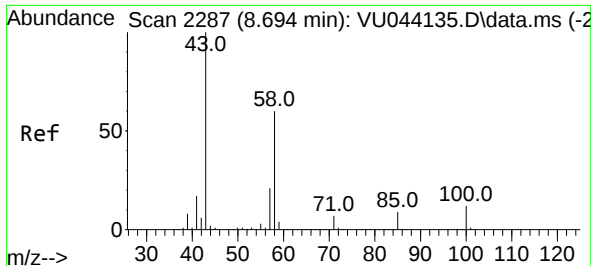
Tgt Ion: 75 Resp: 31375
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.9 38.9#
 39 27.3 33.2 49.8#



#57
 1,3-Dichloropropane
 Concen: 4.690 ug/l
 RT: 8.735 min Scan# 2300
 Delta R.T. 0.154 min
 Lab File: VU044213.D
 Acq: 15 Jun 2021 04:20

Tgt Ion: 76 Resp: 22160
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

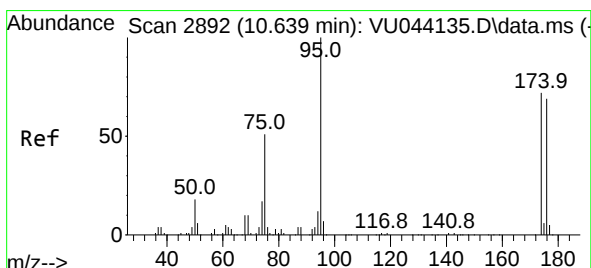
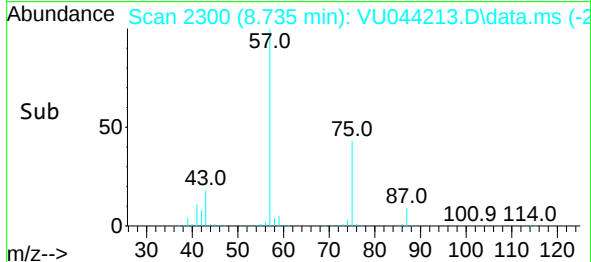
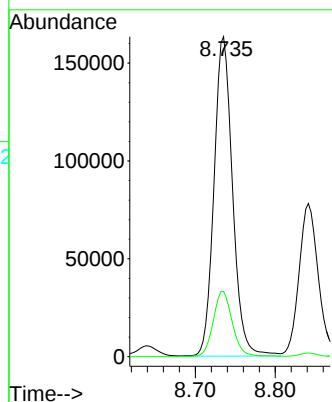
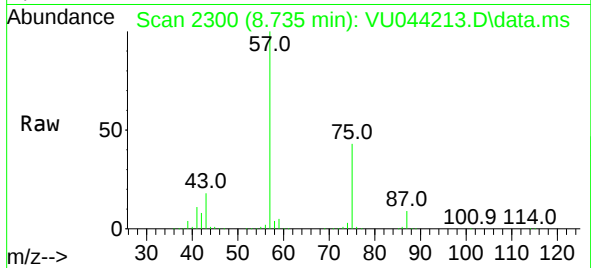




#59
2-Hexanone
Concen: 74.222 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

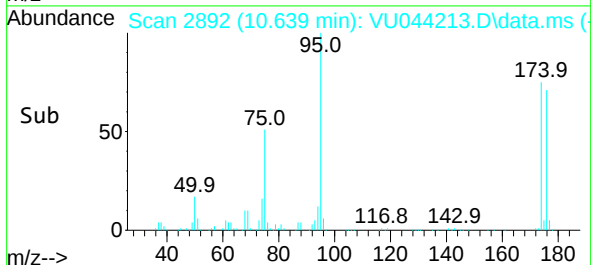
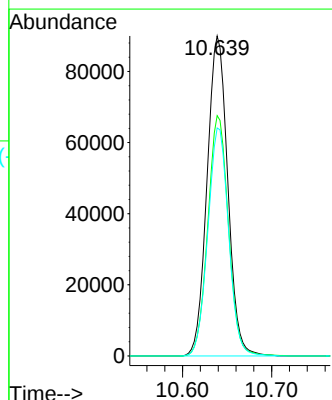
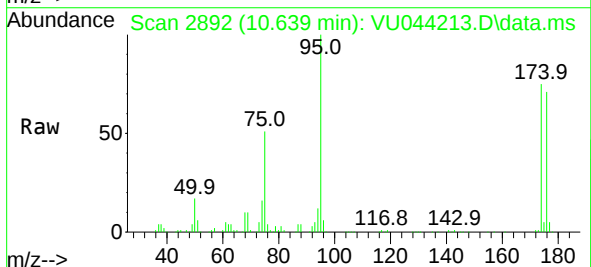
Instrument :
MSVOA_U
ClientSampleId :

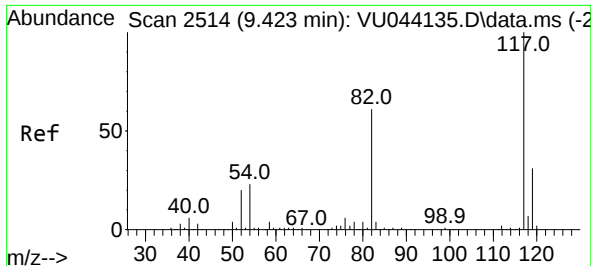
Tgt Ion: 43 Resp: 262926
Ion Ratio Lower Upper
43 100
58 21.4 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 41.797 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Tgt Ion: 95 Resp: 145186
Ion Ratio Lower Upper
95 100
174 75.0 0.0 144.4
176 71.4 0.0 138.0

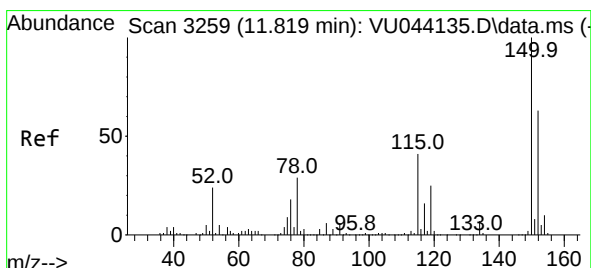
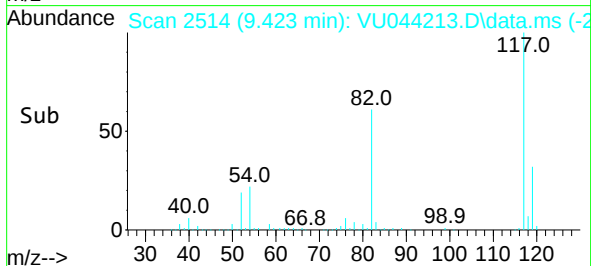
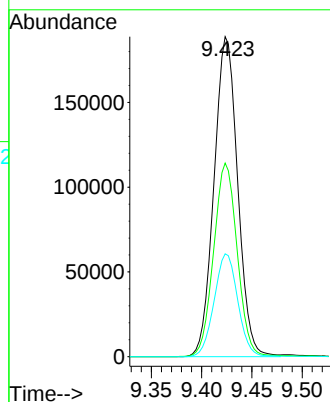
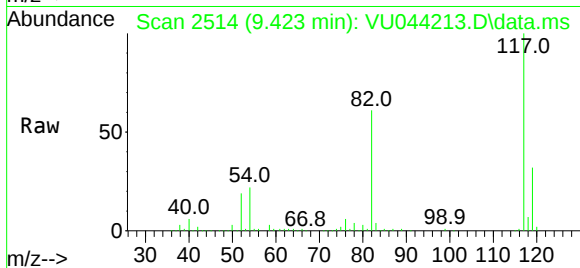




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

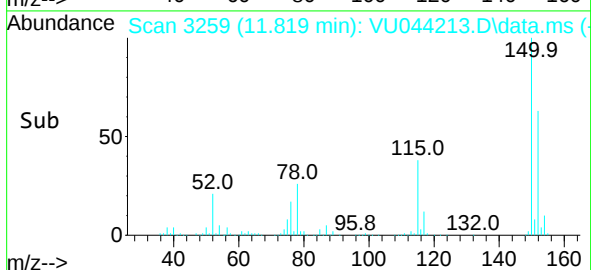
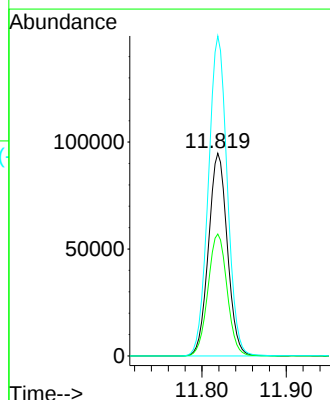
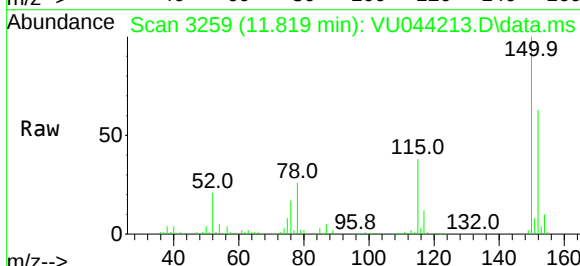
Instrument :
MSVOA_U
ClientSampleId :

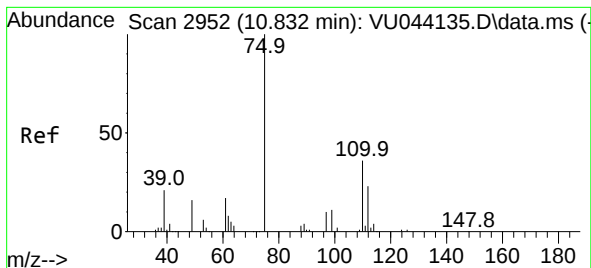
Tgt Ion:117 Resp: 309413
Ion Ratio Lower Upper
117 100
82 60.4 48.8 73.2
119 32.2 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Tgt Ion:152 Resp: 147505
Ion Ratio Lower Upper
152 100
115 61.1 43.8 131.3
150 158.1 0.0 350.6

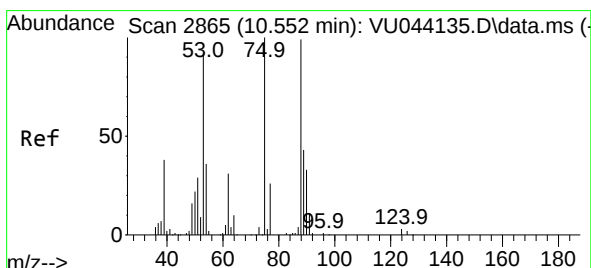
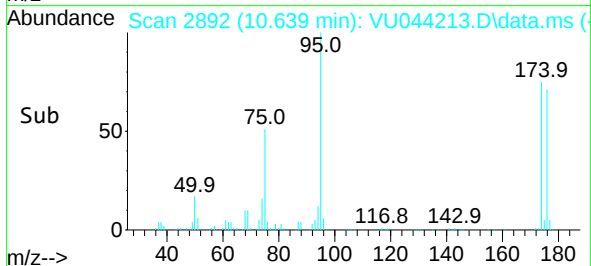
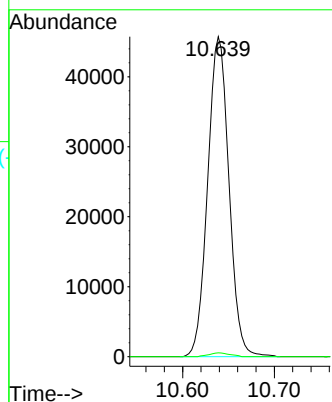
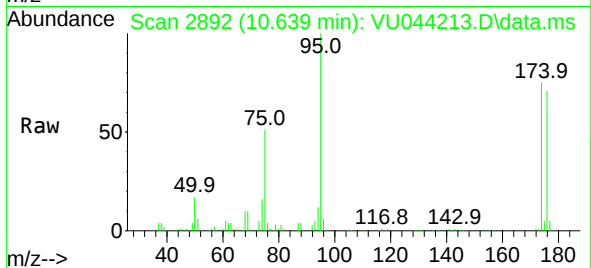




#76
1,2,3-Trichloropropane
Concen: 14.897 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

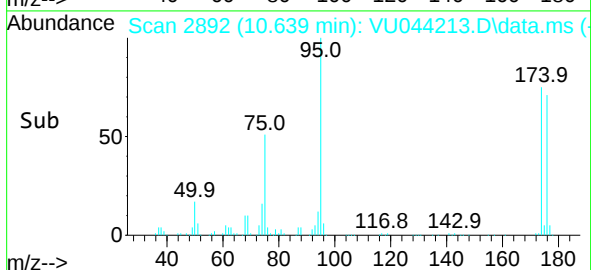
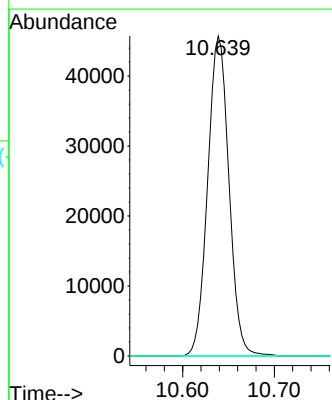
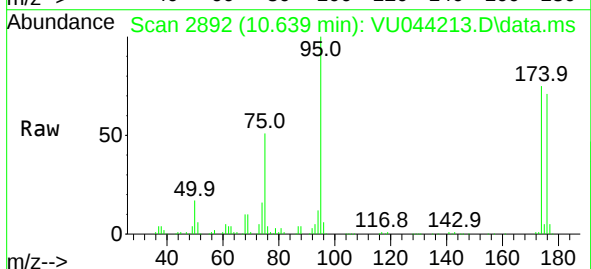
Instrument :
MSVOA_U
ClientSampled :

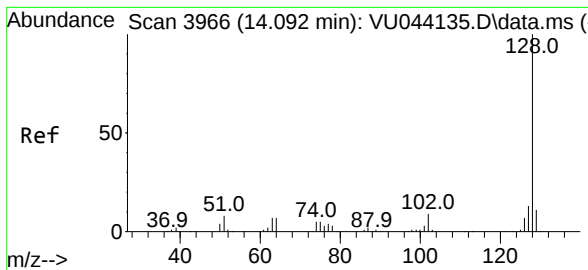
Tgt Ion: 75 Resp: 73675
Ion Ratio Lower Upper
75 100
77 1.2 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.002 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

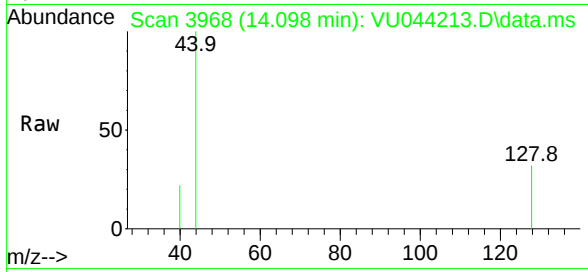
Tgt Ion: 75 Resp: 73675
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.854 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU044213.D
Acq: 15 Jun 2021 04:20

Instrument :
MSVOA_U
ClientSampleId :



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

