

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044183.D
 Acq On : 14 Jun 2021 15:56
 Operator : SY/MD
 Sample : M2672-27
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 02:46:26 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)

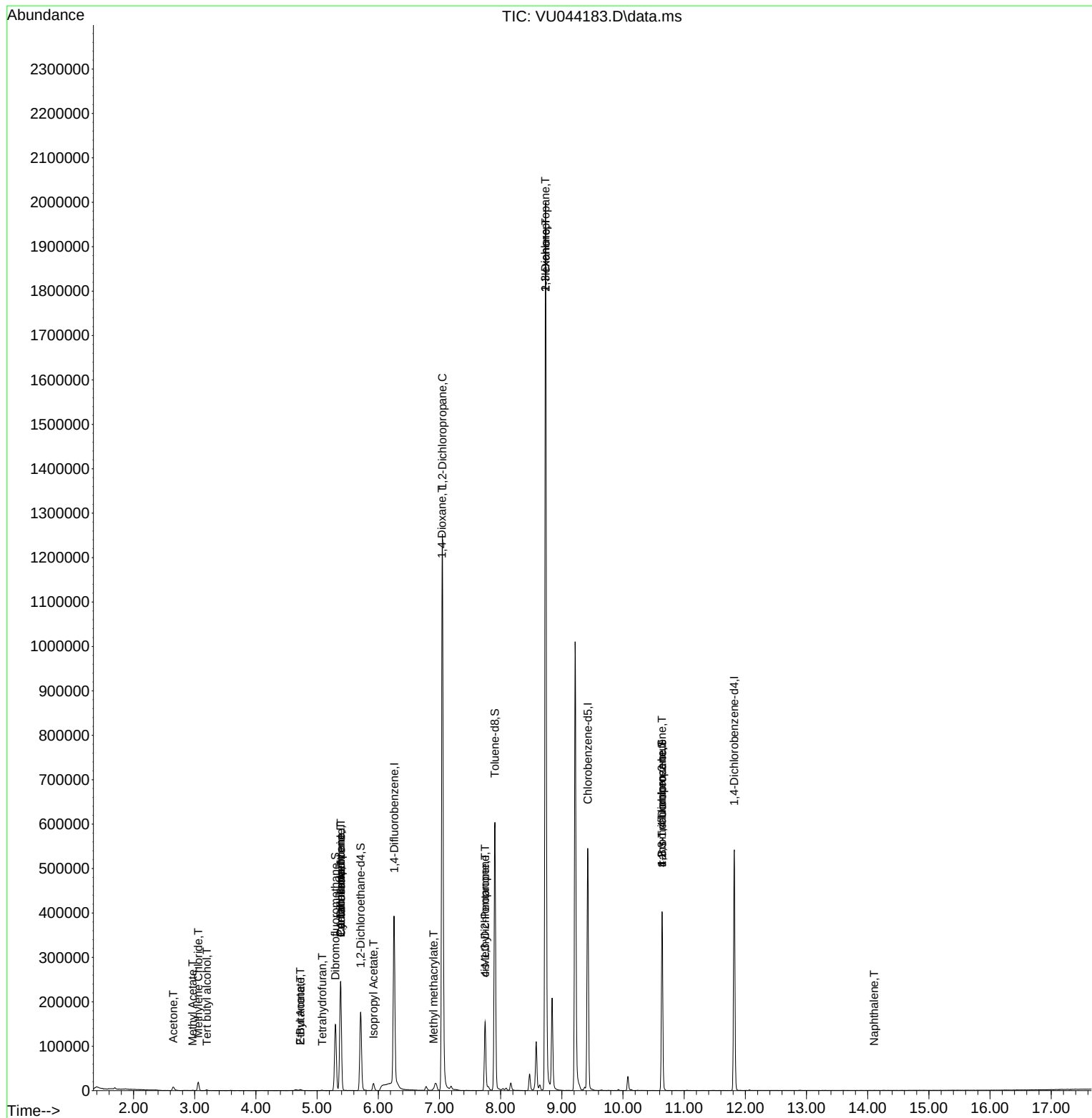
Internal Standards						
1) Pentafluorobenzene	5.385	168	158844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	293663	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	293515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	136417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	130776	51.771	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.540%	
35) Dibromofluoromethane	5.298	113	97309	47.635	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.280%	
50) Toluene-d8	7.906	98	386169	49.223	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.440%	
62) 4-Bromofluorobenzene	10.639	95	138399	44.020	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.524	50	326	Below Cal	#	41
6) Chloroethane	1.954	64	324	Below Cal	#	42
11) Tert butyl alcohol	3.199	59	1256	1.848	ug/l #	73
16) Acetone	2.649	43	13220	8.063	ug/l	94
18) Methyl Acetate	2.964	43	1146	0.353	ug/l #	79
20) Methylene Chloride	3.057	84	9435	3.018	ug/l	93
25) 2-Butanone	4.726	43	4126	1.957	ug/l	97
29) Tetrahydrofuran	5.083	42	605	0.528	ug/l #	62
31) Cyclohexane	5.385	56	3645	1.022	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	14780	4.524	ug/l #	50
37) Ethyl Acetate	4.726	43	4126	1.055	ug/l #	67
38) Carbon Tetrachloride	5.385	117	17129	5.807	ug/l #	17
43) Isopropyl Acetate	5.922	43	17955	3.235	ug/l	97
45) 1,2-Dichloropropane	7.048	63	1545	0.588	ug/l #	43
48) Methyl methacrylate	6.903	41	6534	2.419	ug/l #	11
49) 1,4-Dioxane	7.041	88	91	1.288	ug/l #	1
51) 4-Methyl-2-Pentanone	7.745	43	55436	13.798	ug/l #	44
54) cis-1,3-Dichloropropene	7.745	75	29292	7.439	ug/l #	66
57) 1,3-Dichloropropane	8.732	76	21101	4.934	ug/l #	42
59) 2-Hexanone	8.736	43	277237	86.465	ug/l #	48
76) 1,2,3-Trichloropropane	10.639	75	70467	15.407	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	70467	55.849	ug/l #	13
95) Naphthalene	14.105	128	387	2.874	ug/l #	69

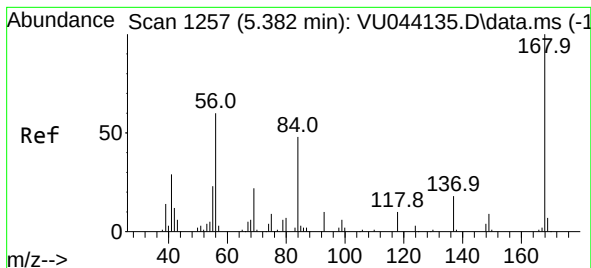
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU044183.D

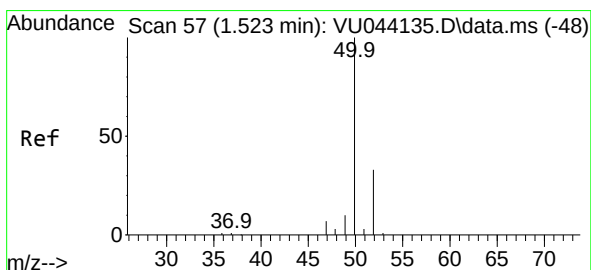
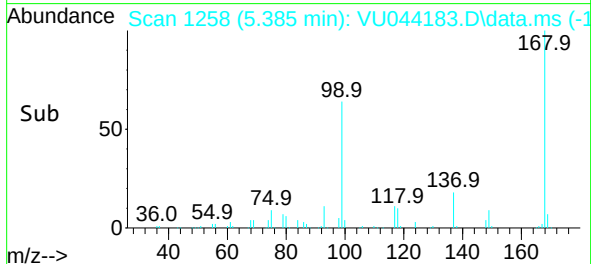
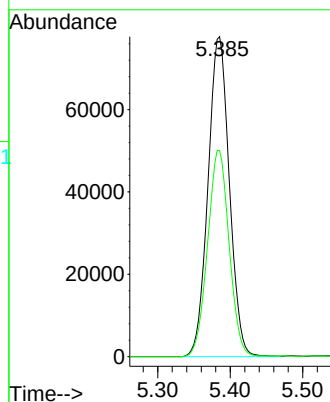
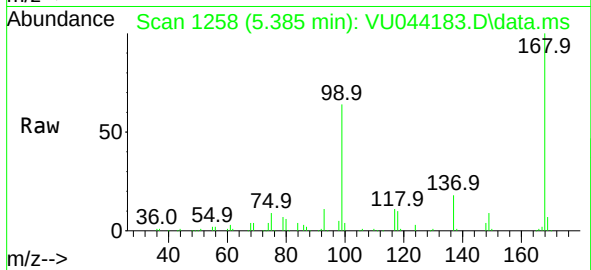
Acq: 14 Jun 2021 15:56

Tgt Ion:168 Resp: 158844

Ion Ratio Lower Upper

168 100

99 64.4 51.3 76.9



#3

Chloromethane

Concen: Below Cal

RT: 1.524 min Scan# 57

Delta R.T. 0.001 min

Lab File: VU044183.D

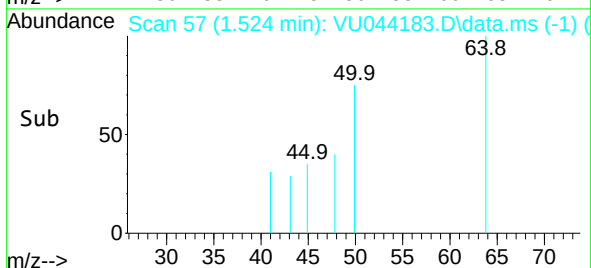
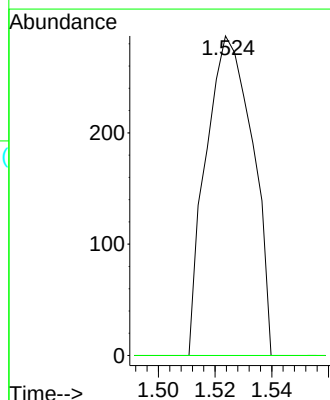
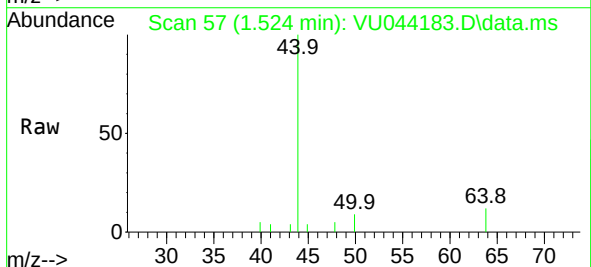
Acq: 14 Jun 2021 15:56

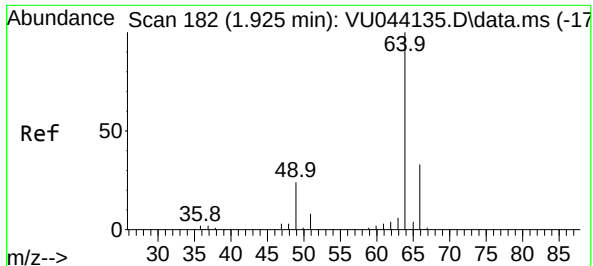
Tgt Ion: 50 Resp: 326

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#

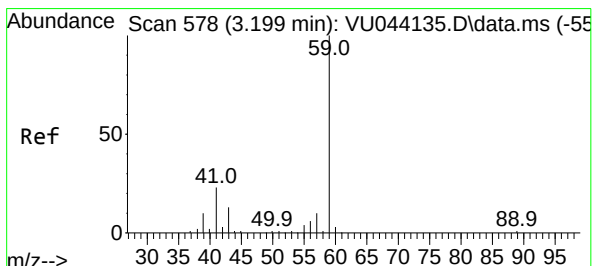
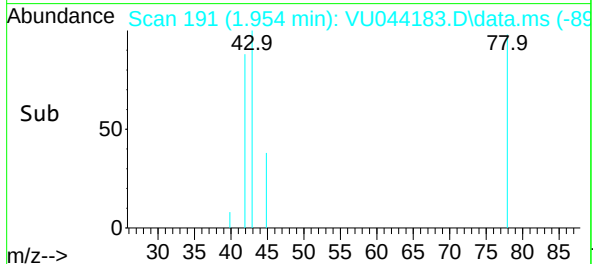
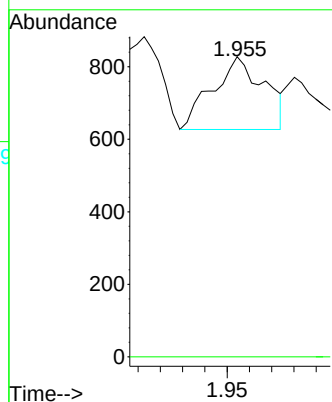
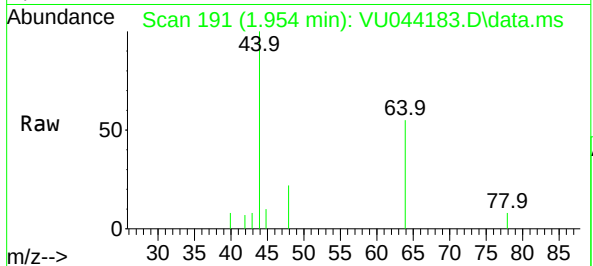




#6
Chloroethane
Concen: Below Cal
RT: 1.954 min Scan# 191
Delta R.T. 0.029 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

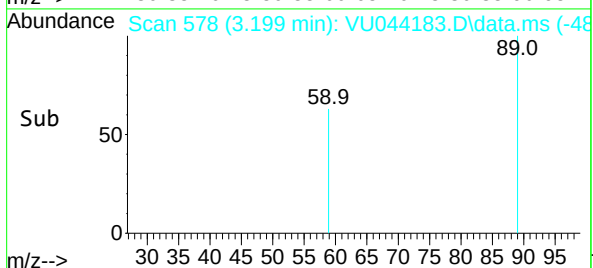
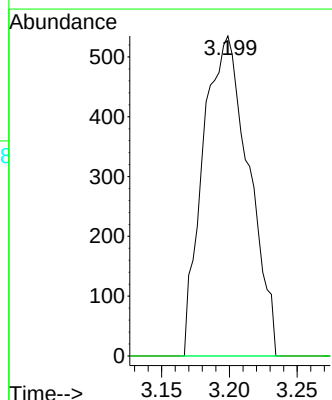
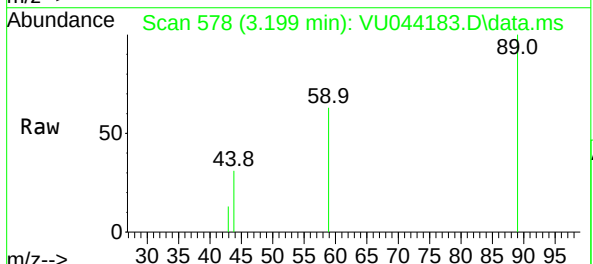
Instrument :
MSVOA_U
ClientSampled :

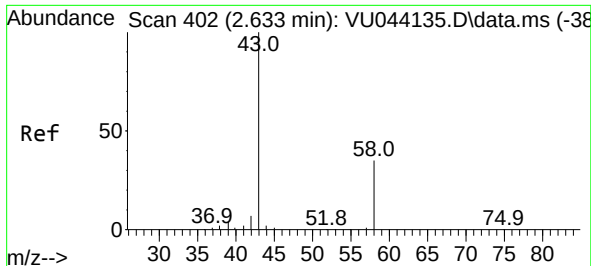
Tgt Ion: 64 Resp: 324
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 1.848 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.000 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Tgt Ion: 59 Resp: 1256
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

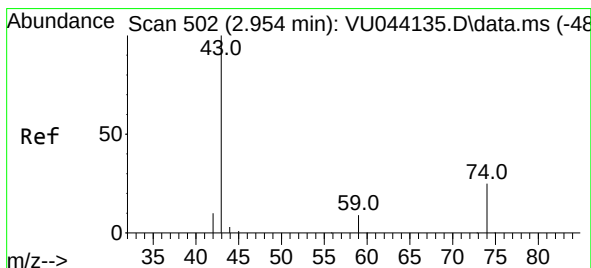
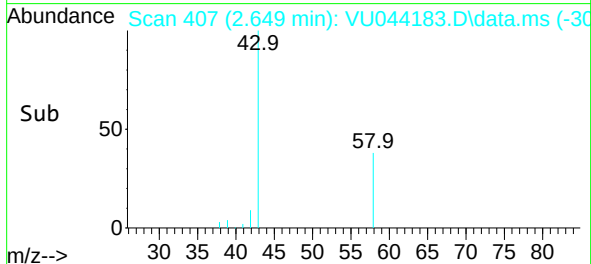
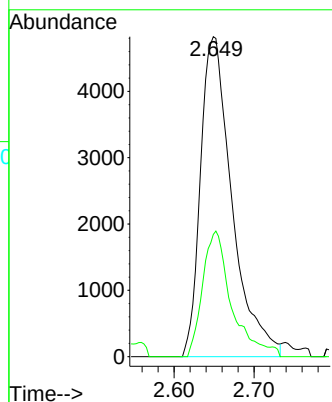
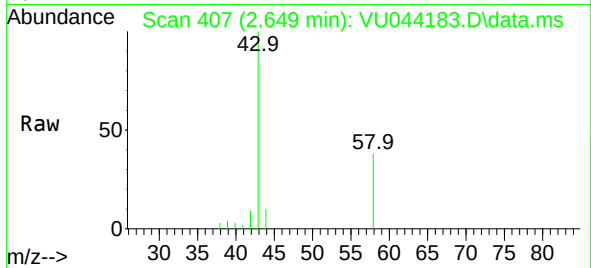




#16
Acetone
Concen: 8.063 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.016 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

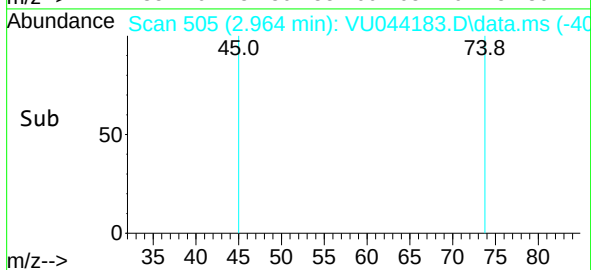
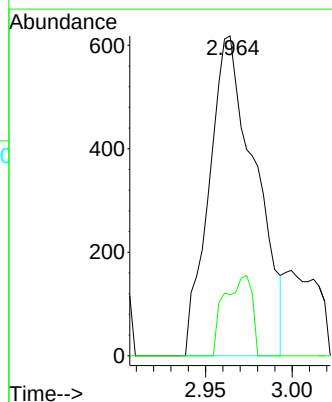
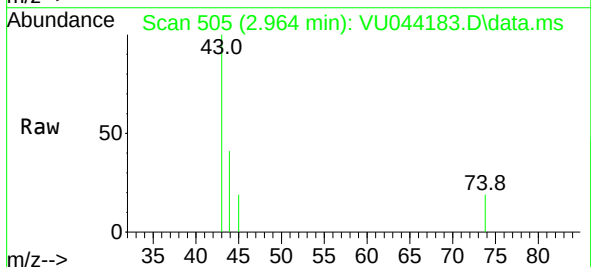
Instrument :
MSVOA_U
ClientSampled :

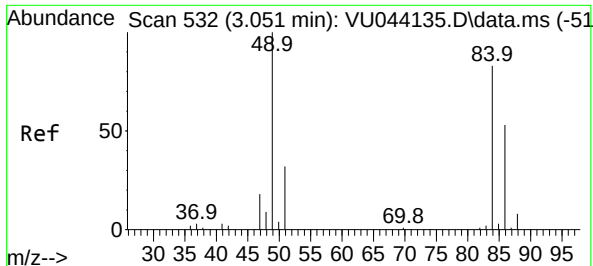
Tgt Ion: 43 Resp: 13220
Ion Ratio Lower Upper
43 100
58 38.2 28.0 42.0



#18
Methyl Acetate
Concen: 0.353 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
74 14.9 20.3 30.5#





#20

Methylene Chloride

Concen: 3.018 ug/l

RT: 3.057 min Scan# 534

Delta R.T. 0.006 min

Lab File: VU044183.D

Acq: 14 Jun 2021 15:56

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 84 Resp: 9435

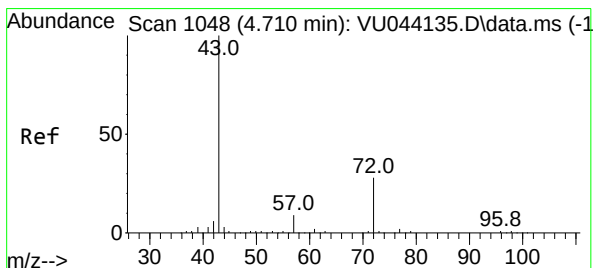
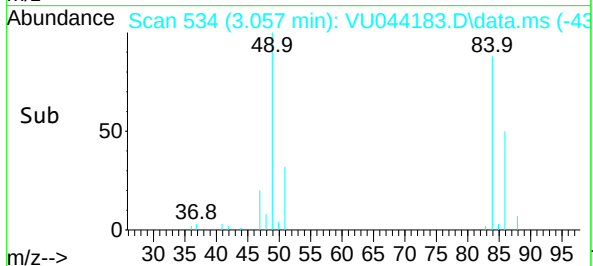
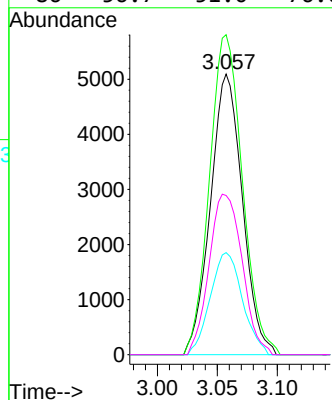
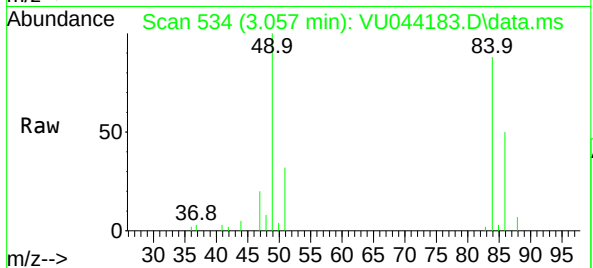
Ion Ratio Lower Upper

84 100

49 114.0 96.9 145.3

51 36.4 31.0 46.6

86 56.7 51.0 76.6



#25

2-Butanone

Concen: 1.957 ug/l

RT: 4.726 min Scan# 1053

Delta R.T. 0.016 min

Lab File: VU044183.D

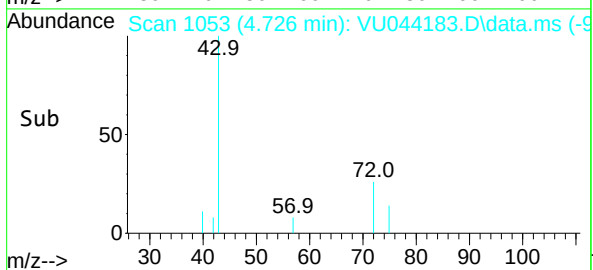
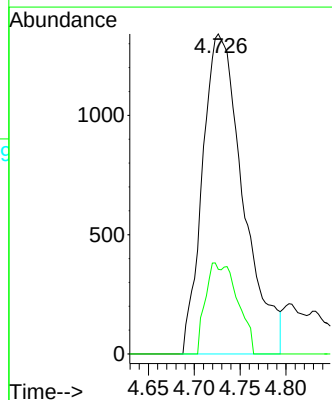
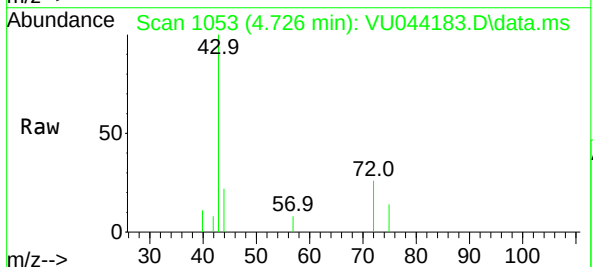
Acq: 14 Jun 2021 15:56

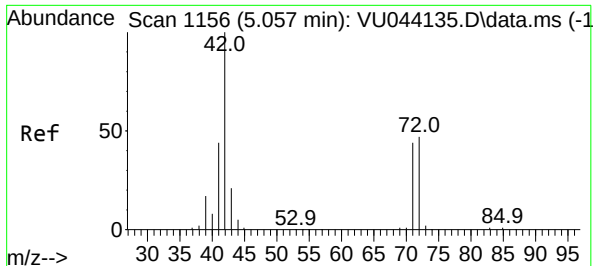
Tgt Ion: 43 Resp: 4126

Ion Ratio Lower Upper

43 100

72 26.5 22.6 33.8





#29

Tetrahydrofuran

Concen: 0.528 ug/l

RT: 5.083 min Scan# 1164

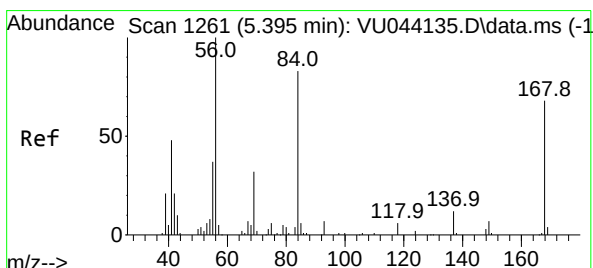
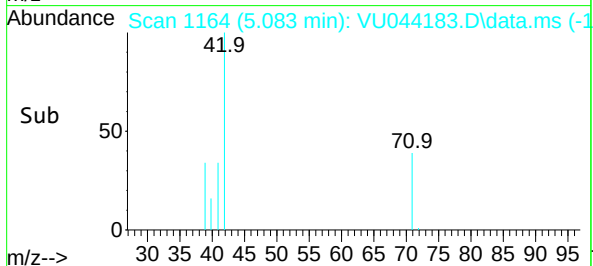
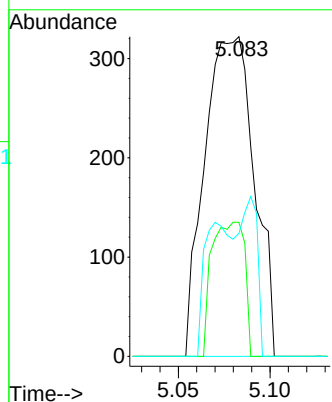
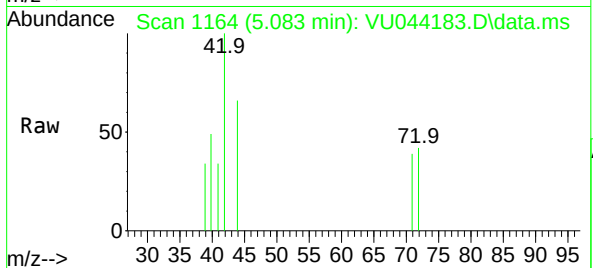
Delta R.T. 0.026 min

Lab File: VU044183.D

Acq: 14 Jun 2021 15:56

Tgt Ion:	42	Resp:	605
Ion	Ratio	Lower	Upper
42	100		
72	27.4	38.6	57.8#
71	14.4	35.5	53.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.022 ug/l

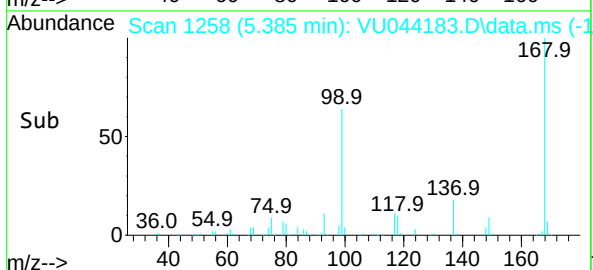
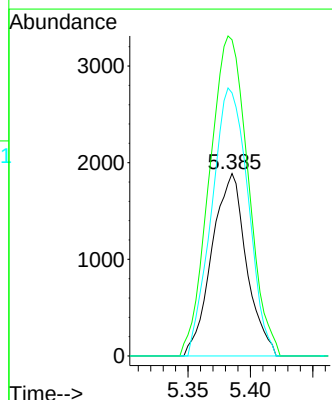
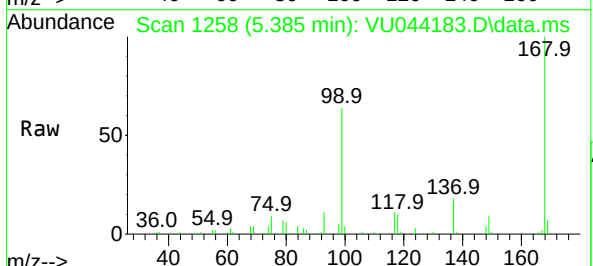
RT: 5.385 min Scan# 1258

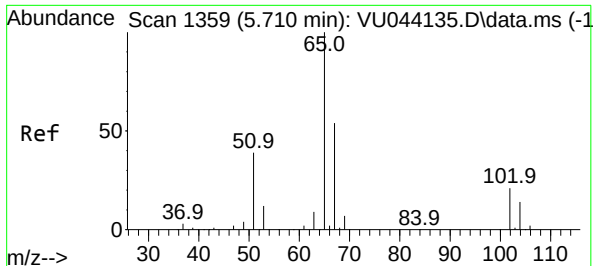
Delta R.T. -0.010 min

Lab File: VU044183.D

Acq: 14 Jun 2021 15:56

Tgt Ion:	56	Resp:	3645
Ion	Ratio	Lower	Upper
56	100		
69	173.3	25.5	38.3#
84	144.2	66.3	99.5#



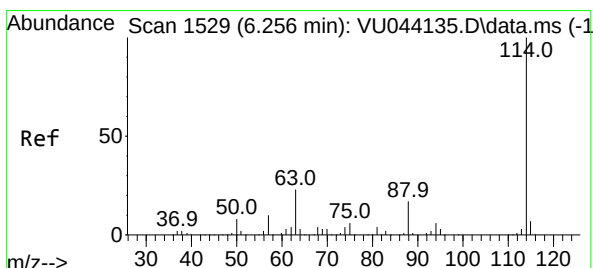
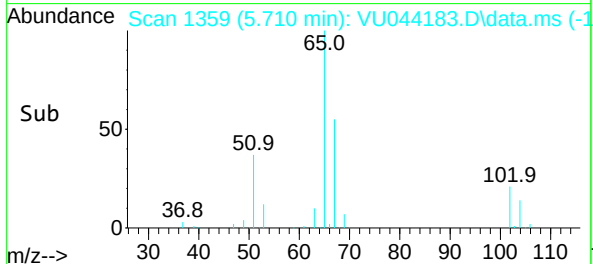
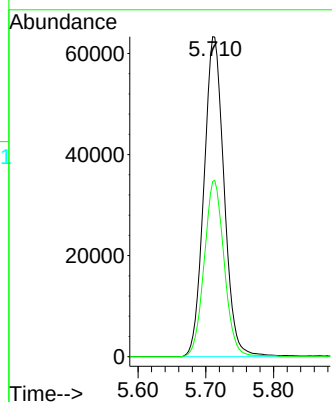
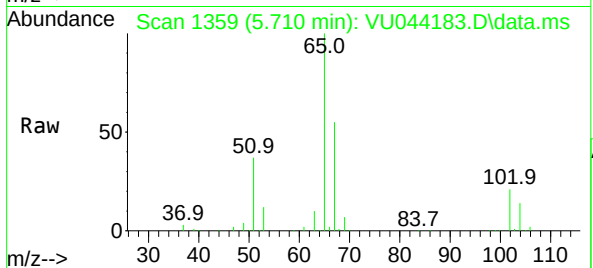


#33

1,2-Dichloroethane-d4
Concen: 51.771 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Instrument :
MSVOA_U
ClientSampled :

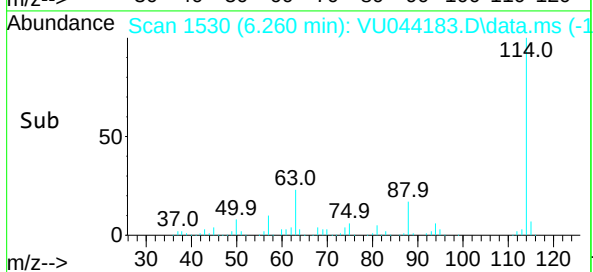
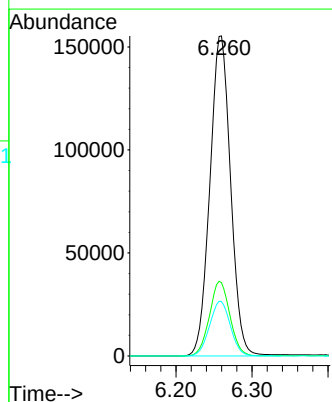
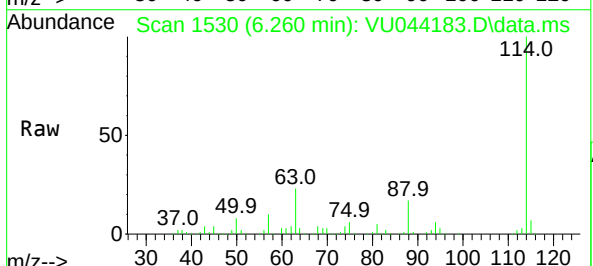
Tgt Ion: 65 Resp: 130776
Ion Ratio Lower Upper
65 100
67 54.7 0.0 106.6

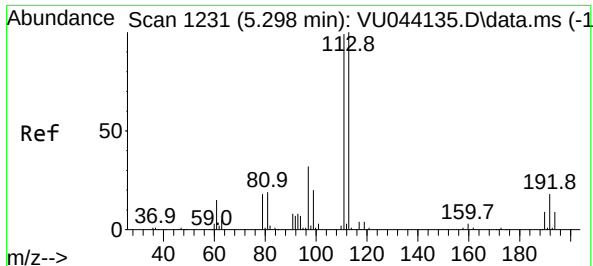


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.260 min Scan# 1530
Delta R.T. 0.004 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Tgt Ion: 114 Resp: 293663
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.8
88 17.0 0.0 34.0

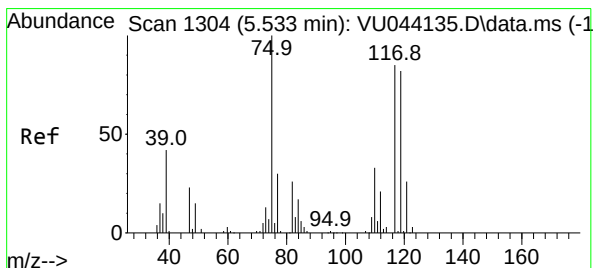
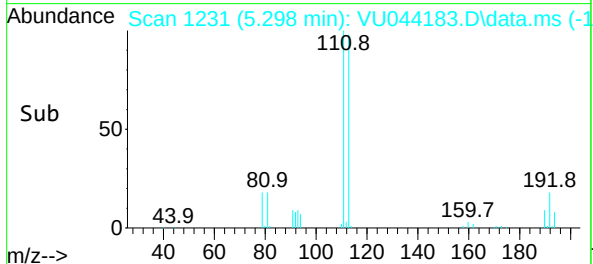
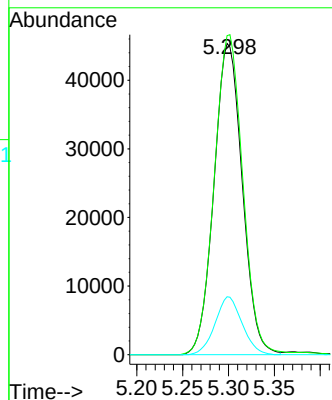
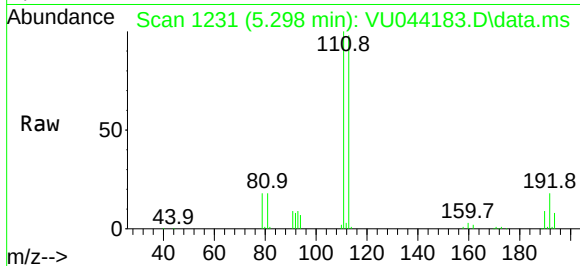




#35
Dibromofluoromethane
Concen: 47.635 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

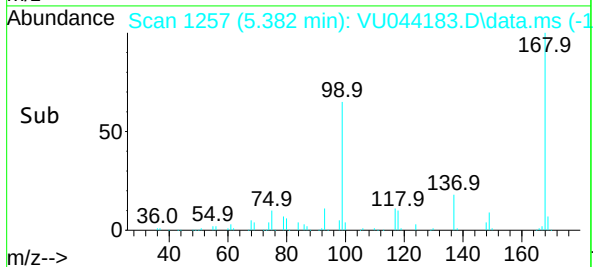
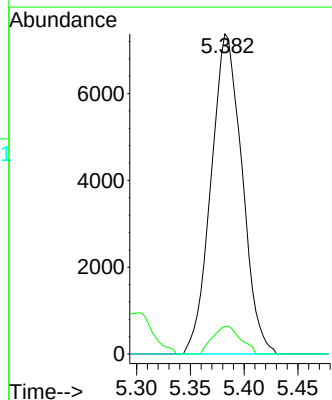
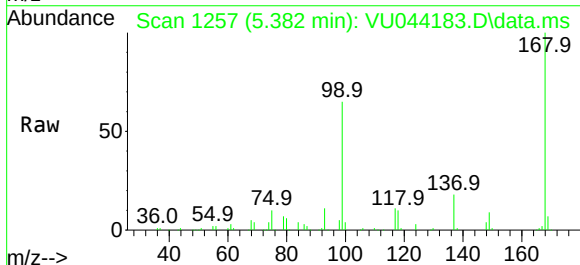
Instrument :
MSVOA_U
ClientSampleId :

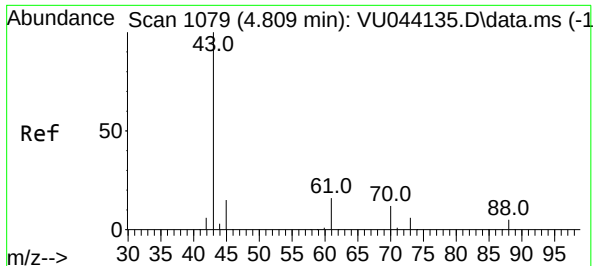
Tgt Ion:113 Resp: 97309
Ion Ratio Lower Upper
113 100
111 103.6 81.0 121.4
192 17.8 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.524 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Tgt Ion: 75 Resp: 14780
Ion Ratio Lower Upper
75 100
110 7.8 16.4 49.4#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.055 ug/l

RT: 4.726 min Scan# 1053

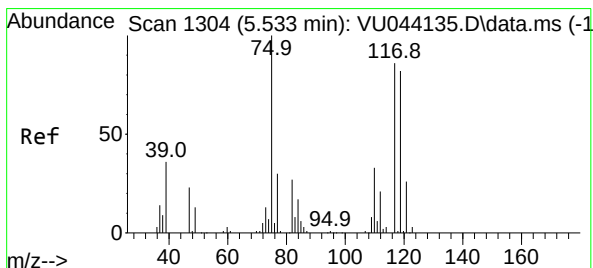
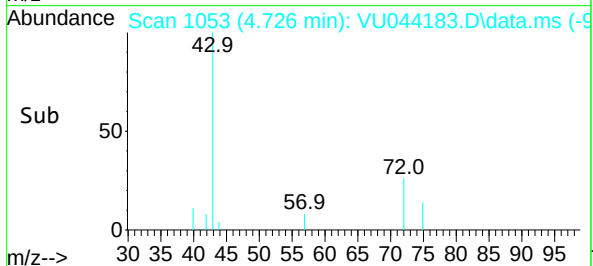
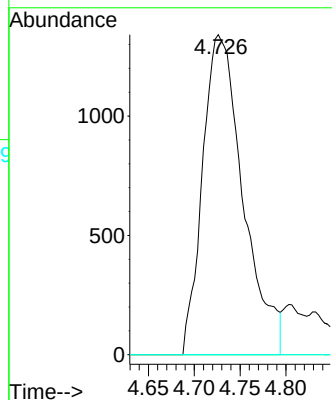
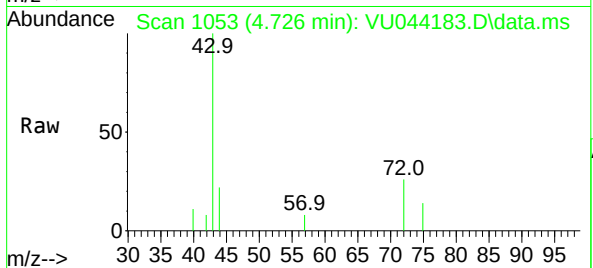
Delta R.T. -0.083 min

Lab File: VU044183.D

Acq: 14 Jun 2021 15:56

Tgt Ion: 43	Resp: 4126
Ion Ratio	Lower Upper
43 100	
61 0.0	11.9 17.9#
70 0.0	9.4 14.0#

Instrument :
MSVOA_U
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.807 ug/l

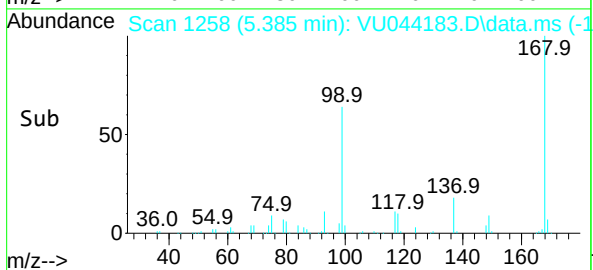
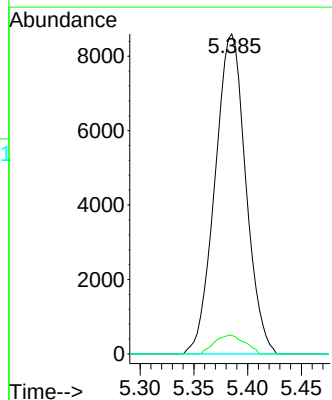
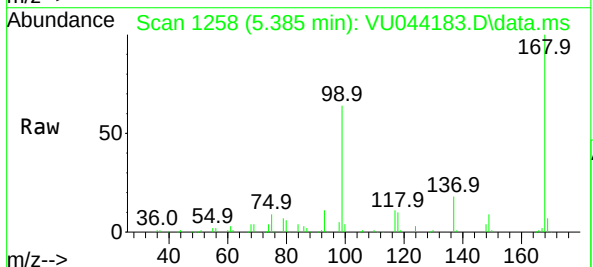
RT: 5.385 min Scan# 1258

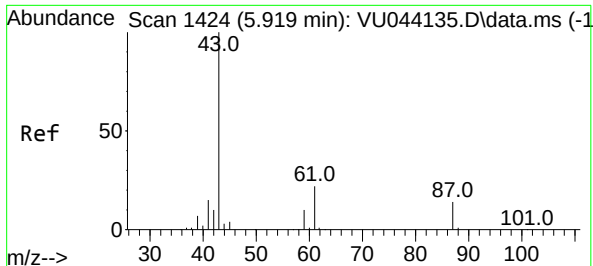
Delta R.T. -0.148 min

Lab File: VU044183.D

Acq: 14 Jun 2021 15:56

Tgt Ion: 117	Resp: 17129
Ion Ratio	Lower Upper
117 100	
119 5.9	76.6 114.8#
121 0.0	24.6 36.8#



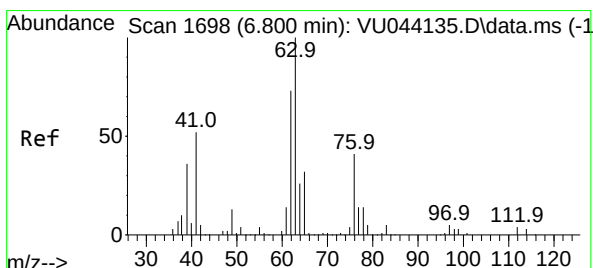
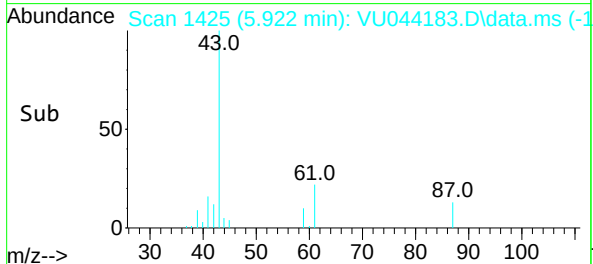
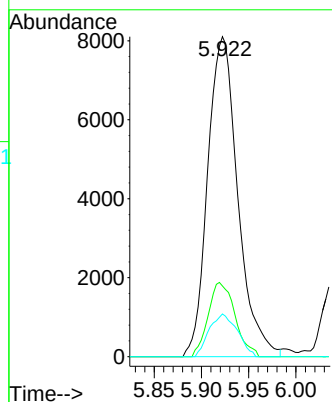
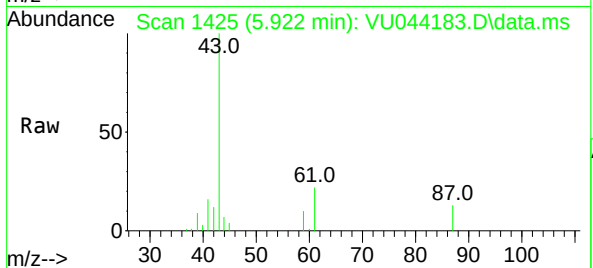


#43

Isopropyl Acetate
Concen: 3.235 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Instrument :
MSVOA_U
ClientSampled :

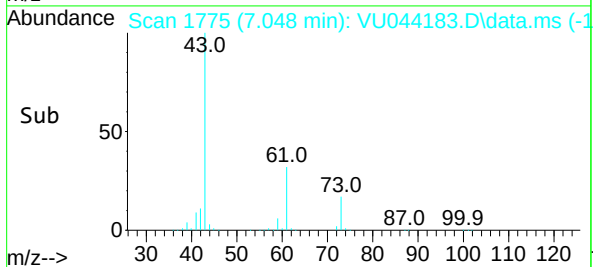
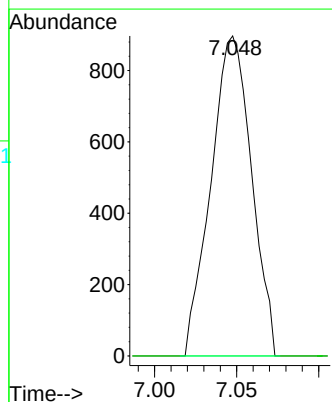
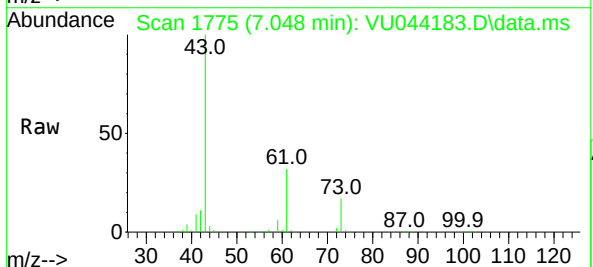
Tgt Ion: 43	Resp: 17955
Ion Ratio	Lower Upper
43 100	
61 20.7	17.8 26.8
87 12.4	11.1 16.7

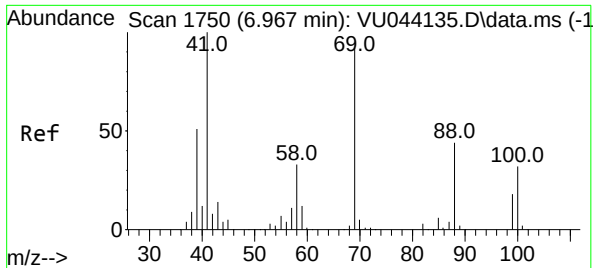


#45

1,2-Dichloropropane
Concen: 0.588 ug/l
RT: 7.048 min Scan# 1775
Delta R.T. 0.248 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Tgt Ion: 63	Resp: 1545
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#

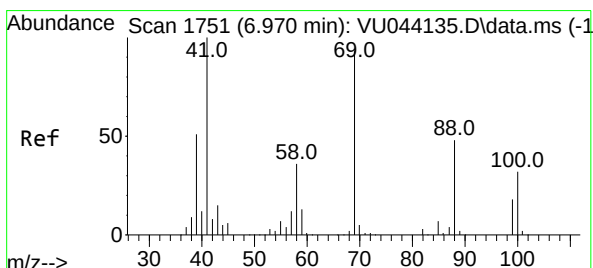
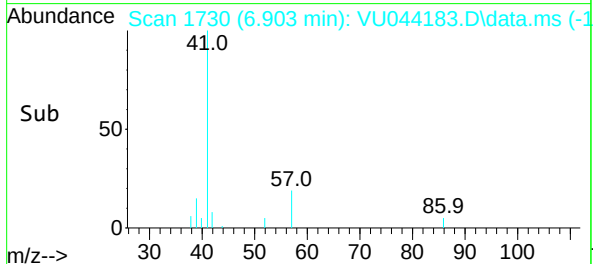
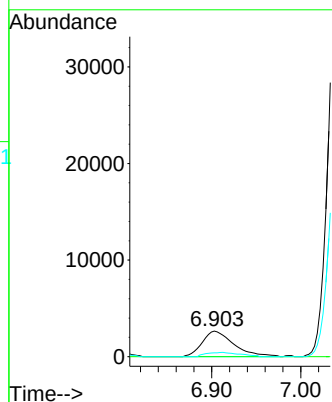
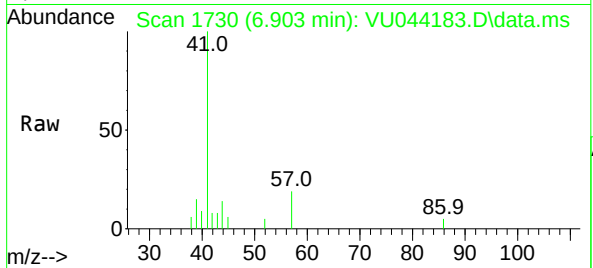




#48
Methyl methacrylate
Concen: 2.419 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

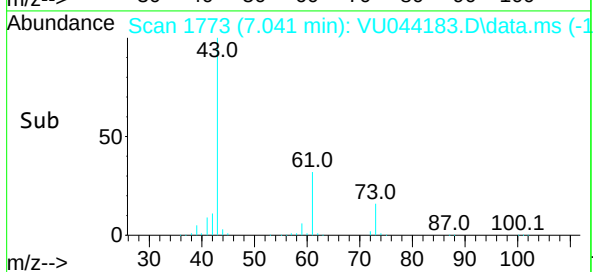
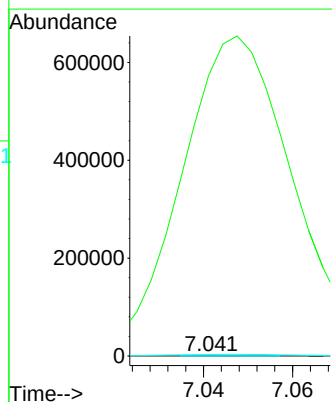
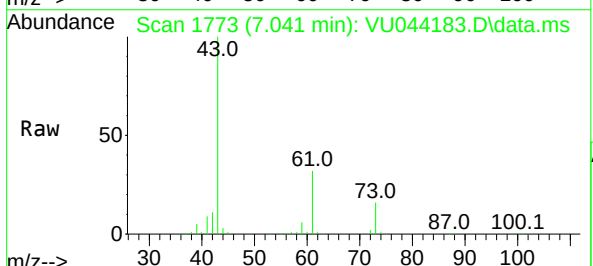
Instrument :
MSVOA_U
ClientSampled :

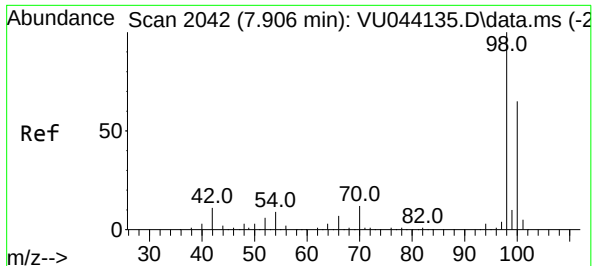
Tgt Ion: 41 Resp: 6534
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 0.0 41.5 62.3#



#49
1,4-Dioxane
Concen: 1.288 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.071 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 1308985.7 23.4 35.0#
58 7276.9 58.1 87.1#

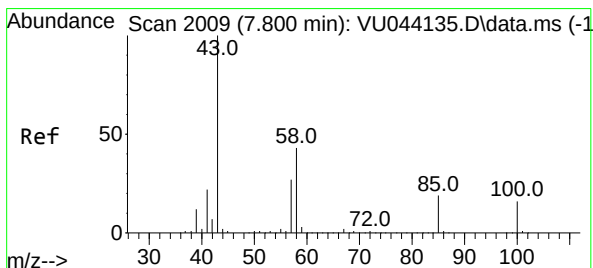
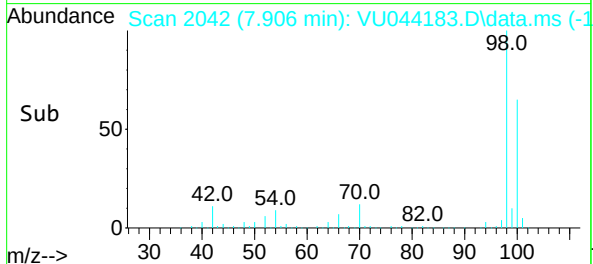
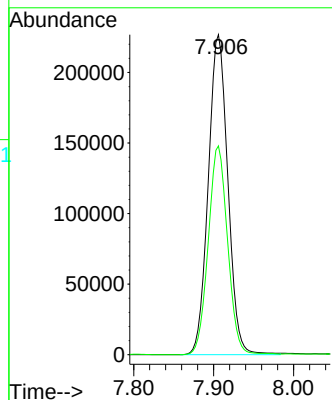
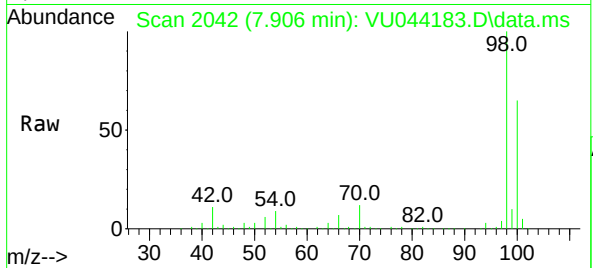




#50
Toluene-d8
Concen: 49.223 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

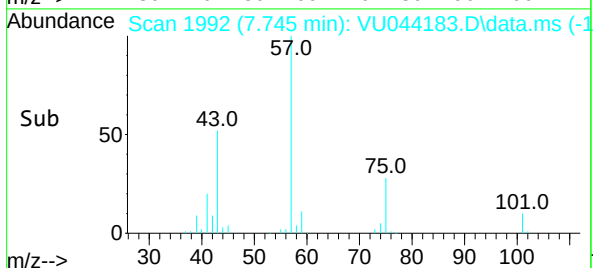
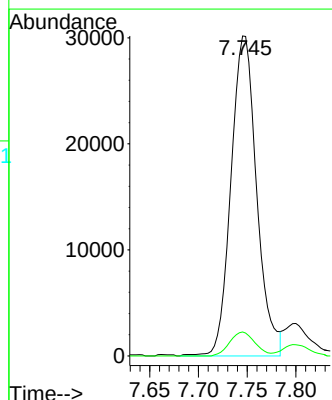
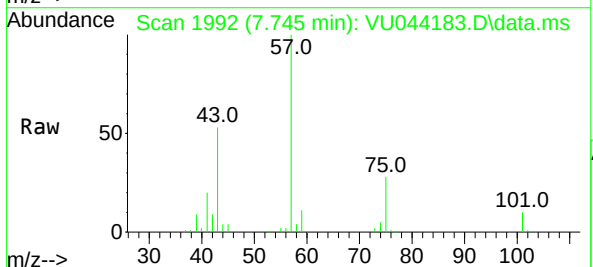
Instrument :
MSVOA_U
ClientSampled :

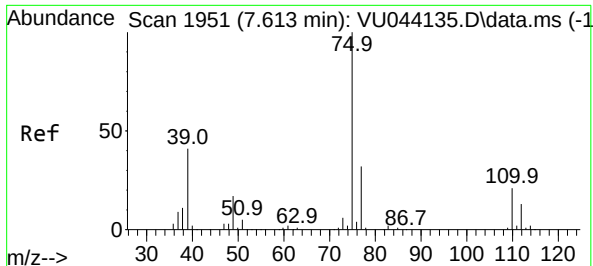
Tgt Ion: 98 Resp: 386169
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 13.798 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. -0.055 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Tgt Ion: 43 Resp: 55436
Ion Ratio Lower Upper
43 100
58 7.4 34.5 51.7#

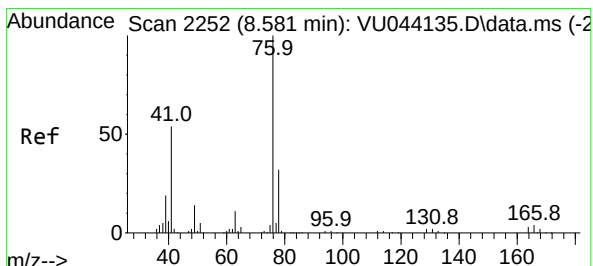
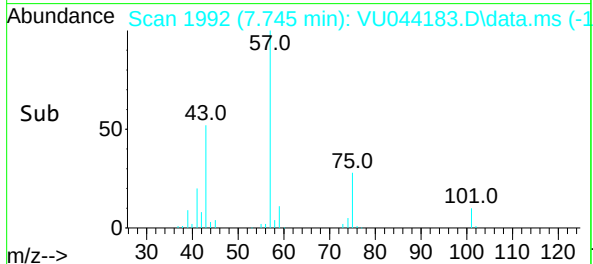
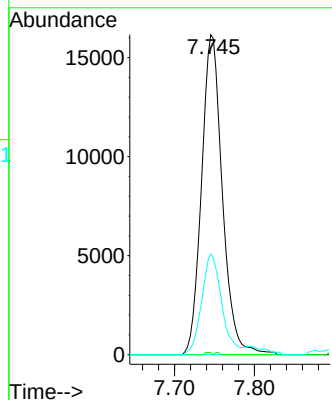
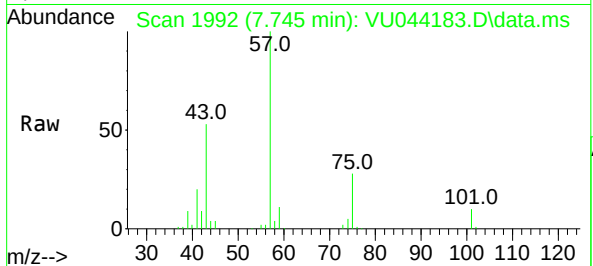




#54
 cis-1,3-Dichloropropene
 Concen: 7.439 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044183.D
 Acq: 14 Jun 2021 15:56

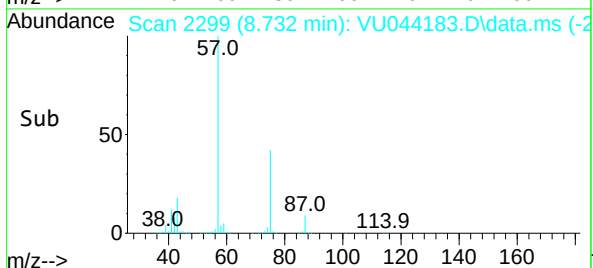
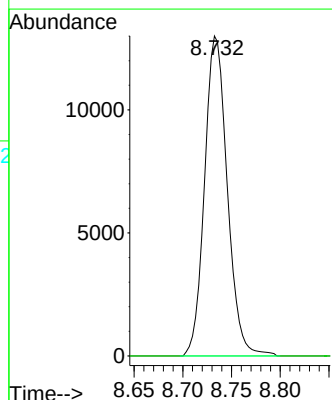
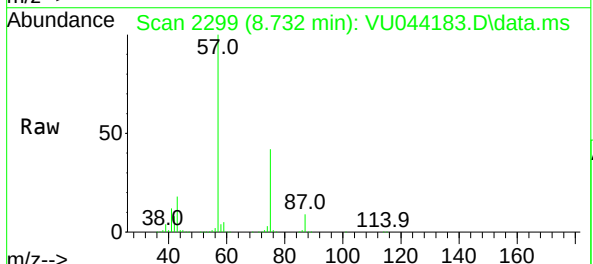
Instrument :
 MSVOA_U
 ClientSampleId :

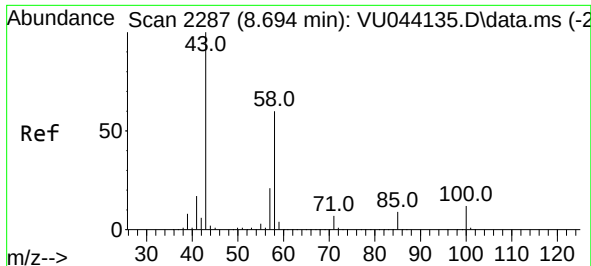
Tgt Ion: 75 Resp: 29292
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.9 38.9#
 39 31.5 33.2 49.8#



#57
 1,3-Dichloropropane
 Concen: 4.934 ug/l
 RT: 8.732 min Scan# 2299
 Delta R.T. 0.151 min
 Lab File: VU044183.D
 Acq: 14 Jun 2021 15:56

Tgt Ion: 76 Resp: 21101
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

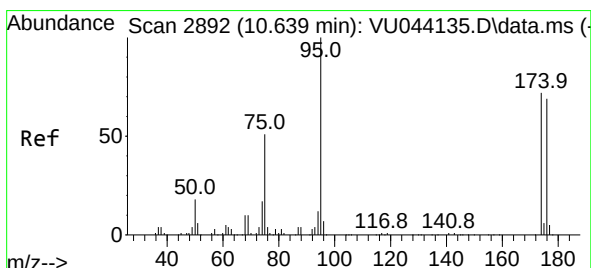
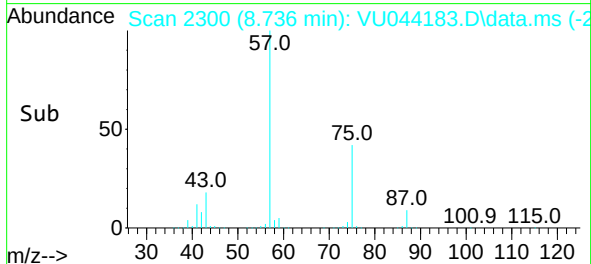
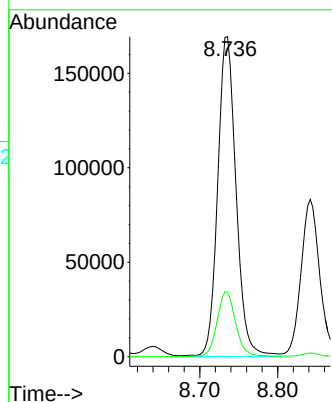
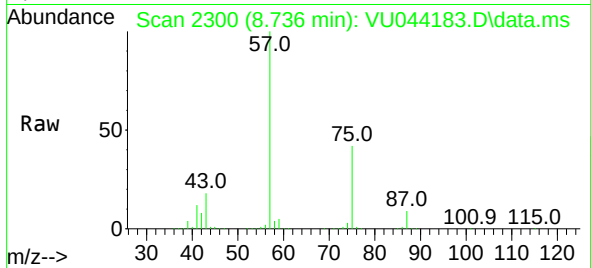




#59
2-Hexanone
Concen: 86.465 ug/l
RT: 8.736 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

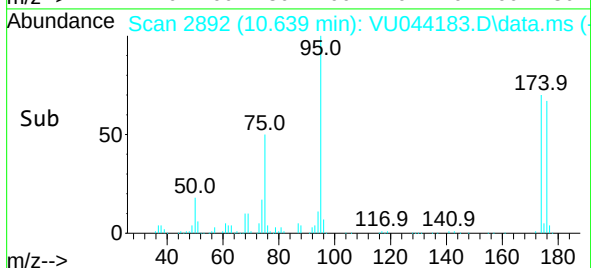
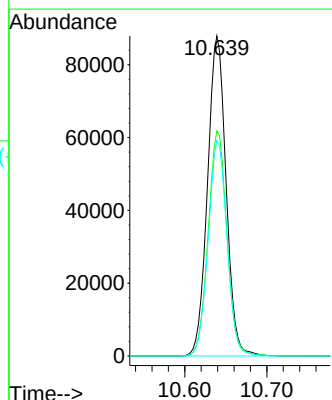
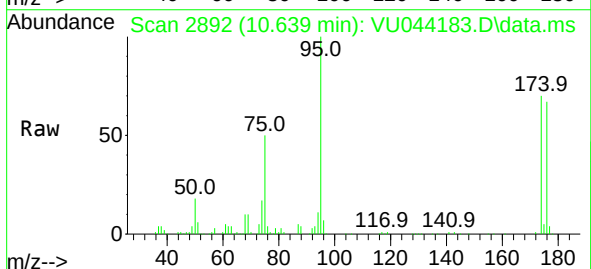
Instrument :
MSVOA_U
ClientSampled :

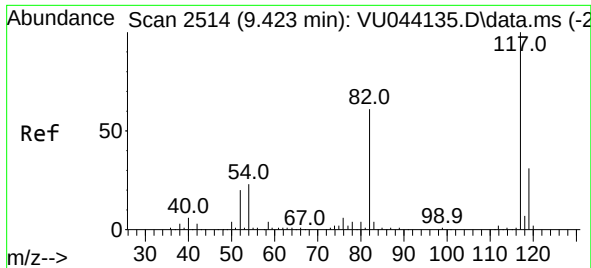
Tgt Ion: 43 Resp: 277237
Ion Ratio Lower Upper
43 100
58 20.8 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 44.020 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Tgt Ion: 95 Resp: 138399
Ion Ratio Lower Upper
95 100
174 71.3 0.0 144.4
176 68.2 0.0 138.0

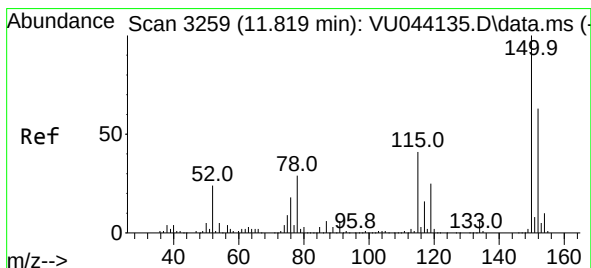
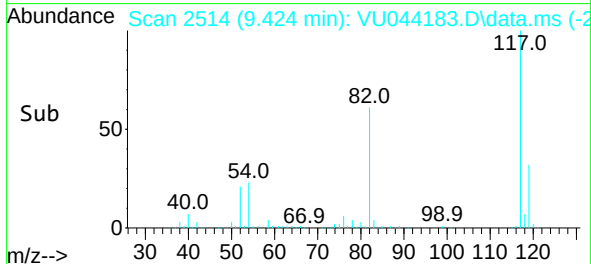
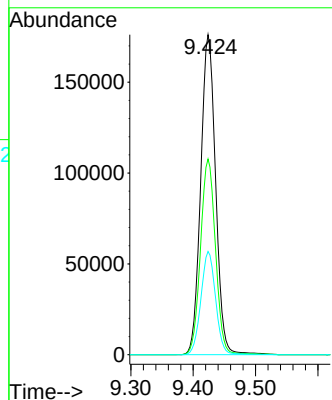
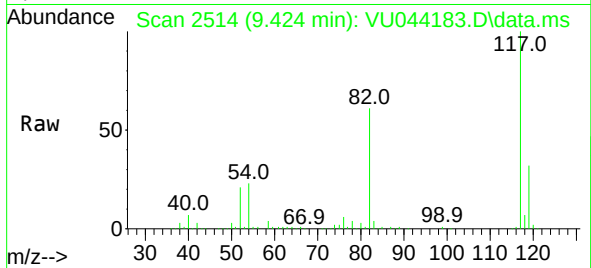




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

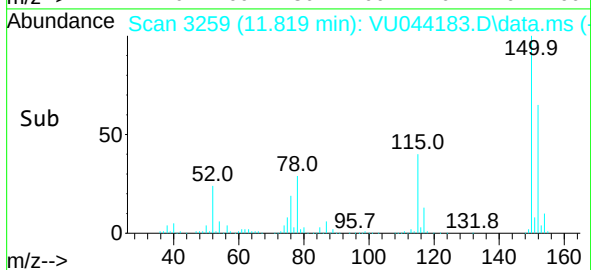
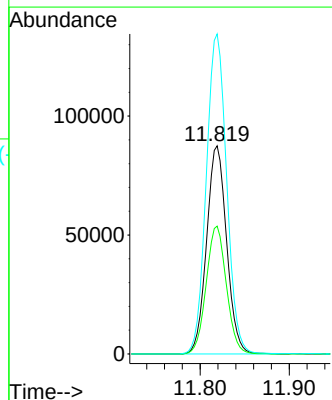
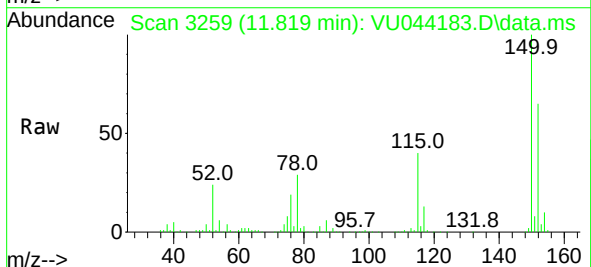
Instrument :
MSVOA_U
ClientSampleId :

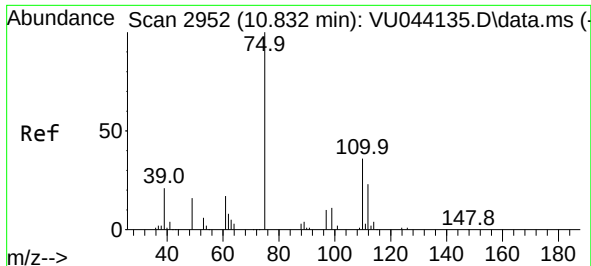
Tgt Ion:117 Resp: 293515
Ion Ratio Lower Upper
117 100
82 61.2 48.8 73.2
119 32.3 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Tgt Ion:152 Resp: 136417
Ion Ratio Lower Upper
152 100
115 61.8 43.8 131.3
150 156.4 0.0 350.6

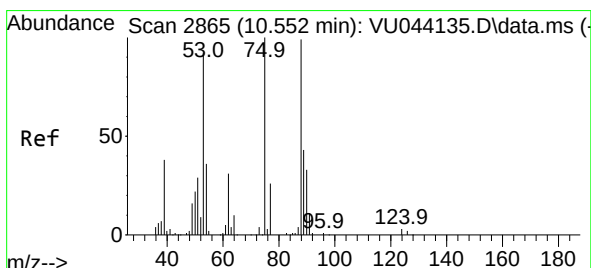
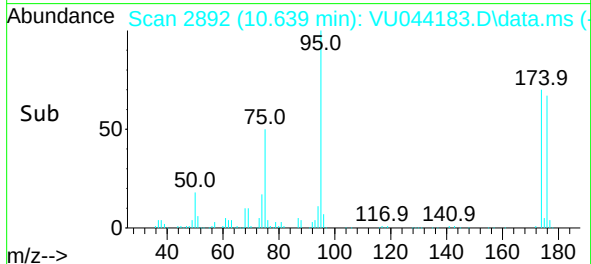
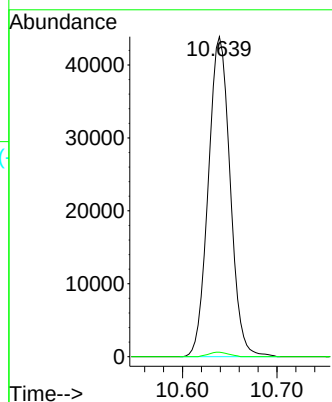
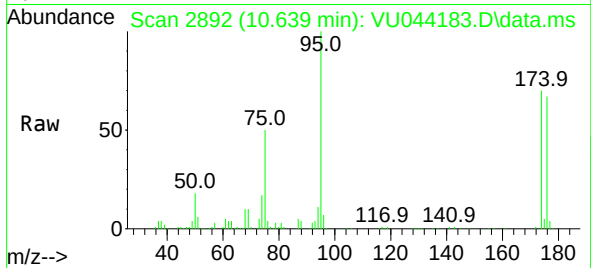




#76
1,2,3-Trichloropropane
Concen: 15.407 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

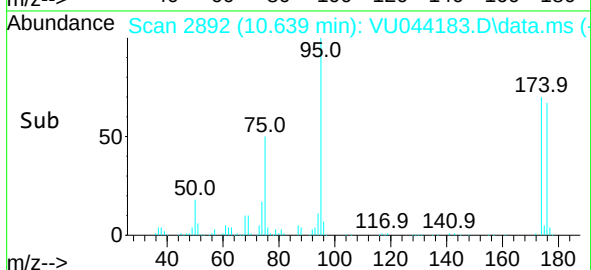
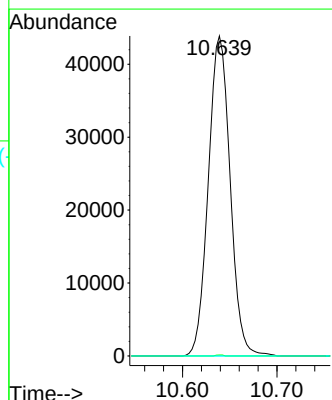
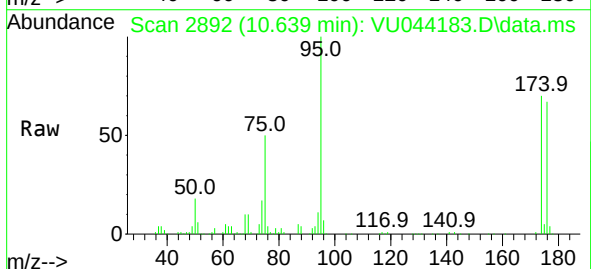
Instrument :
MSVOA_U
ClientSampled :

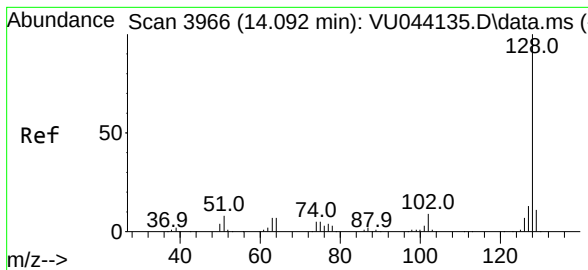
Tgt Ion: 75 Resp: 70467
Ion Ratio Lower Upper
75 100
77 1.3 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.849 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Tgt Ion: 75 Resp: 70467
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.874 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.013 min
Lab File: VU044183.D
Acq: 14 Jun 2021 15:56

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 387
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

