

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022021\
 Data File : VU042376.D
 Acq On : 19 Feb 2021 20:54
 Operator : SY/MD
 Sample : PB134713TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB134713TB

Quant Time: Feb 20 00:31:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 19 02:55:52 2021
 Response via : Initial Calibration

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

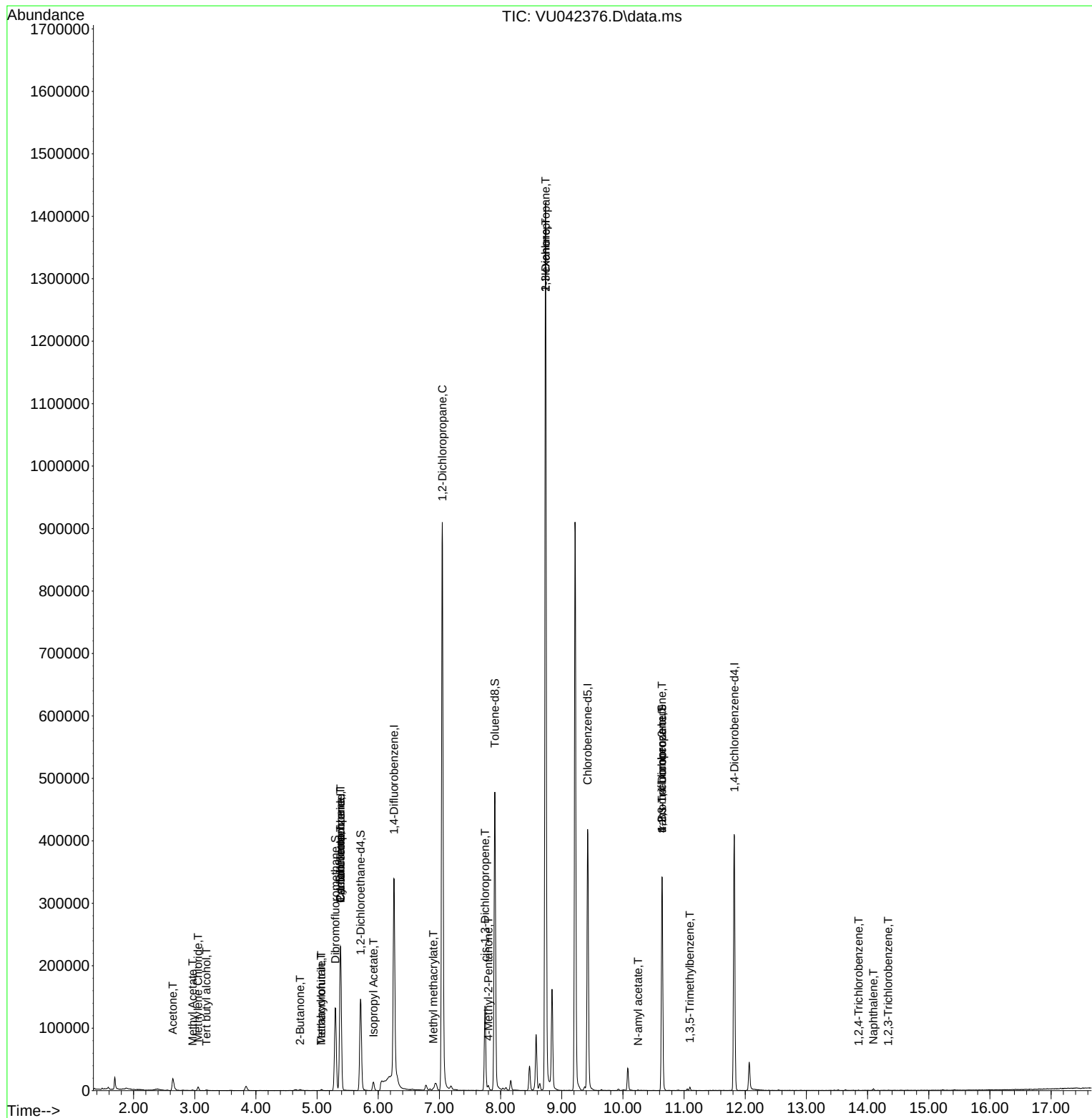
Internal Standards						
1) Pentafluorobenzene	5.385	168	160339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	236153	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	221603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	101636	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	116889	48.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.14%	
35) Dibromofluoromethane	5.298	113	81308	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
50) Toluene-d8	7.906	98	299074	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	10.639	95	104980	44.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.24%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.189	59	836	1.61	ug/l #	94
16) Acetone	2.642	43	28927	19.18	ug/l	100
18) Methyl Acetate	2.964	43	1550	0.57	ug/l #	83
20) Methylene Chloride	3.054	84	2369	1.36	ug/l	89
25) 2-Butanone	4.722	43	2429	1.21	ug/l #	70
29) Tetrahydrofuran	5.066	42	927	0.74	ug/l #	84
31) Cyclohexane	5.382	56	3796	1.19	ug/l #	17
36) 1,1-Dichloropropene	5.382	75	13121	5.62	ug/l #	51
38) Carbon Tetrachloride	5.385	117	15588	6.25	ug/l #	16
41) Methacrylonitrile	5.070	41	573	0.31	ug/l #	46
43) Isopropyl Acetate	5.922	43	15140	2.84	ug/l	98
45) 1,2-Dichloropropane	7.050	63	938	0.52	ug/l #	43
48) Methyl methacrylate	6.902	41	4887	1.85	ug/l #	17
51) 4-Methyl-2-Pentanone	7.799	43	5122	1.42	ug/l	96
54) cis-1,3-Dichloropropene	7.745	75	21378	7.35	ug/l #	62
57) 1,3-Dichloropropane	8.735	76	13073	4.45	ug/l #	43
59) 2-Hexanone	8.735	43	225100	78.03	ug/l #	54
74) N-amyl acetate	10.246	43	817	0.21	ug/l #	48
76) 1,2,3-Trichloropropane	10.639	75	59777	23.79	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.095	105	2782	0.48	ug/l	96
81) trans-1,4-Dichloro-2-b...	10.639	75	59777	64.67	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.854	180	271	1.80	ug/l #	72
95) Naphthalene	14.095	128	2384	2.55	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.336	180	276	1.80	ug/l #	44

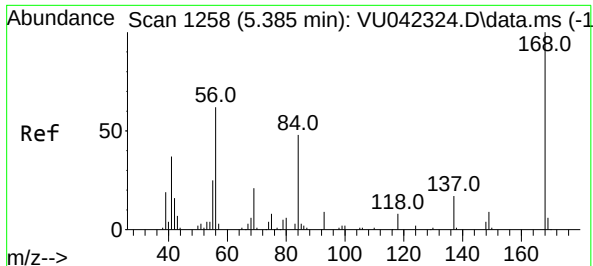
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022021\
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Instrument :
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Quant Time: Feb 20 00:31:49 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 19 02:55:52 2021
Response via : Initial Calibration

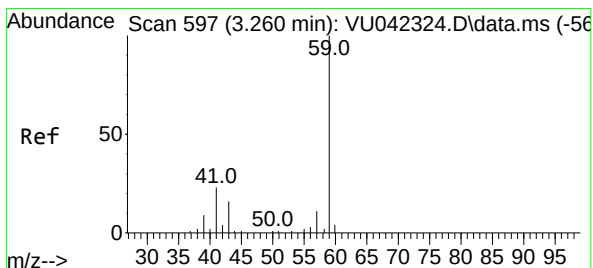
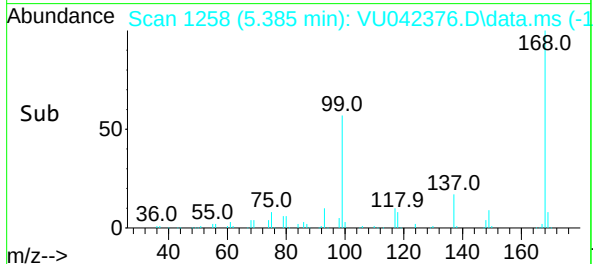
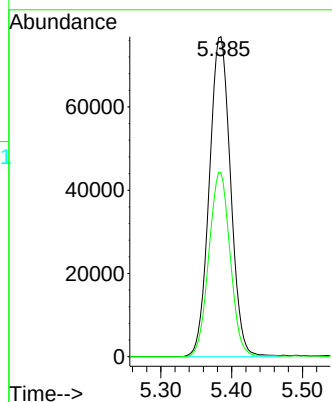
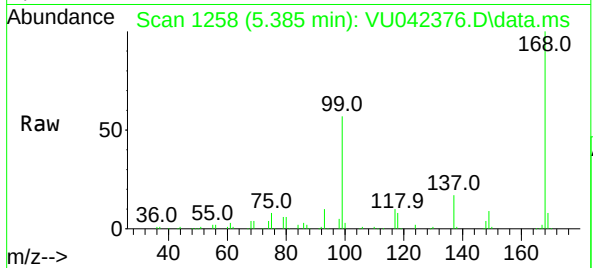




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

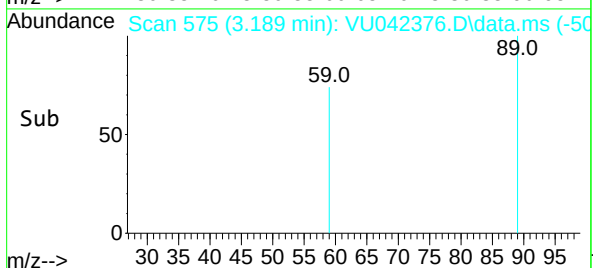
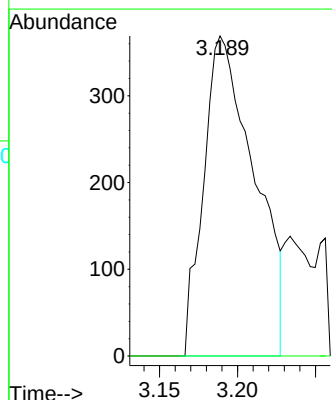
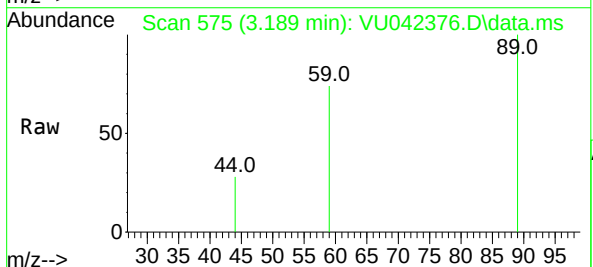
Instrument :
MSVOA_U
ClientSampled :
PB134713TB

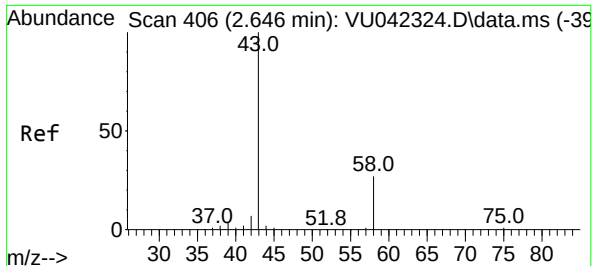
Tgt Ion:168 Resp: 160339
Ion Ratio Lower Upper
168 100
99 57.5 45.0 67.4



#11
Tert butyl alcohol
Concen: 1.61 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.071 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

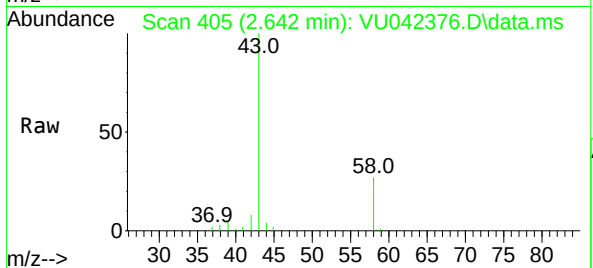
Tgt Ion: 59 Resp: 836
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



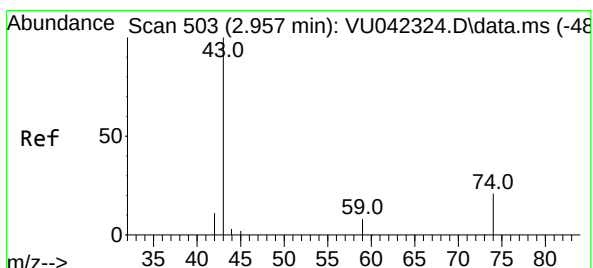
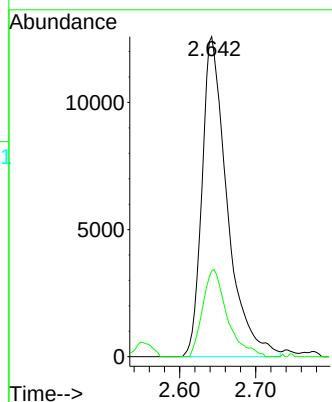
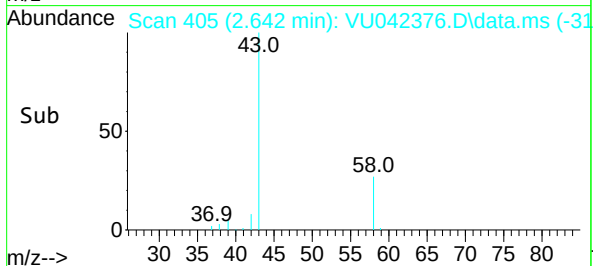


#16
Acetone
Concen: 19.18 ug/l
RT: 2.642 min Scan# 405
Delta R.T. -0.003 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

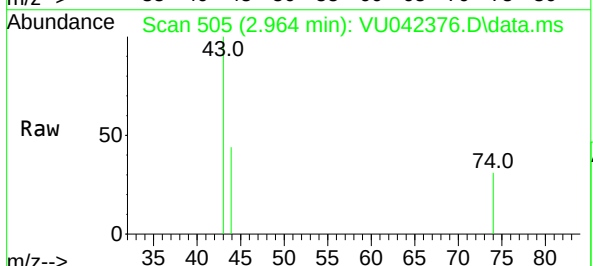
Instrument :
MSVOA_U
ClientSampleId :
PB134713TB



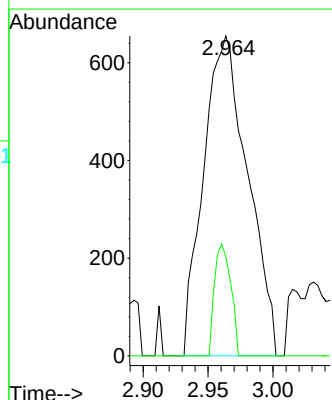
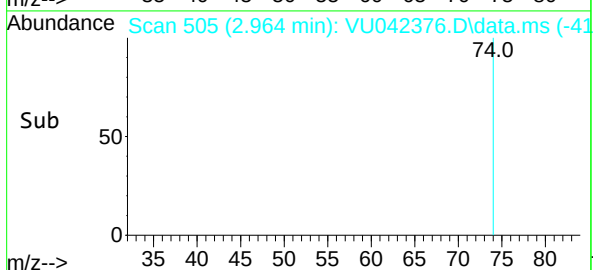
Tgt Ion: 43 Resp: 28927
Ion Ratio Lower Upper
43 100
58 26.8 21.5 32.3

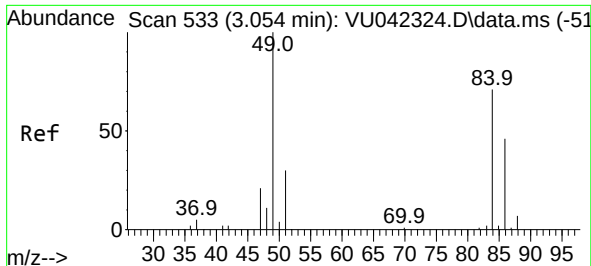


#18
Methyl Acetate
Concen: 0.57 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.006 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54



Tgt Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
74 12.8 16.6 25.0#





#20

Methylene Chloride

Concen: 1.36 ug/l

RT: 3.054 min Scan# 533

Delta R.T. -0.000 min

Lab File: VU042376.D

Acq: 19 Feb 2021 20:54

Instrument :
MSVOA_U
ClientSampled :
PB134713TB

Tgt Ion: 84 Resp: 2369

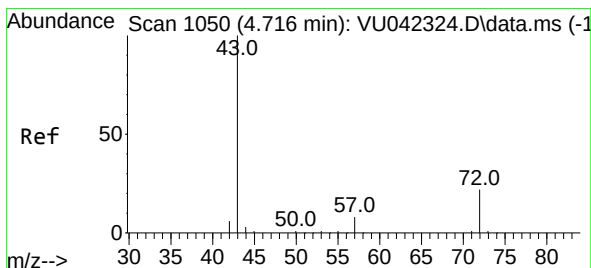
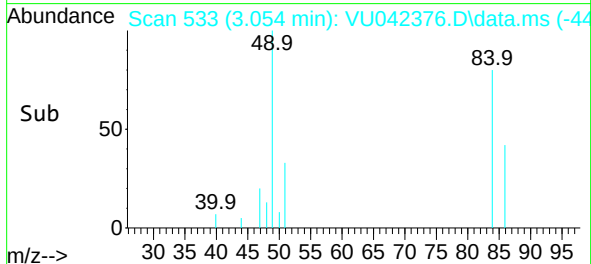
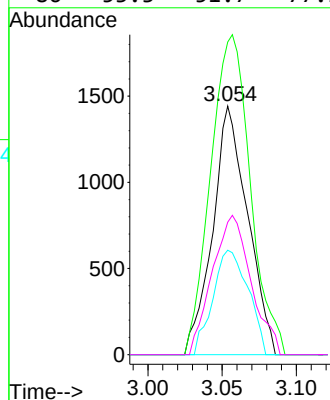
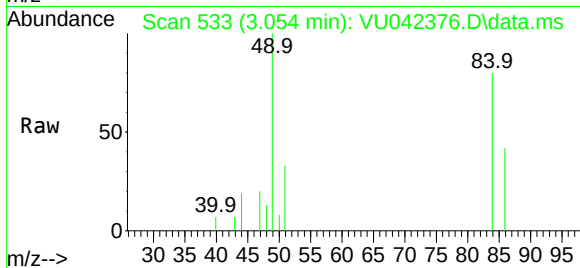
Ion Ratio Lower Upper

84 100

49 125.7 112.6 169.0

51 42.0 33.7 50.5

86 53.3 51.7 77.5



#25

2-Butanone

Concen: 1.21 ug/l

RT: 4.722 min Scan# 1052

Delta R.T. 0.006 min

Lab File: VU042376.D

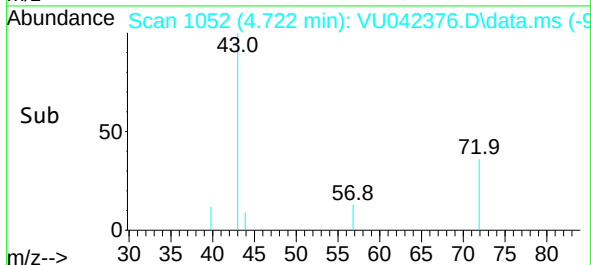
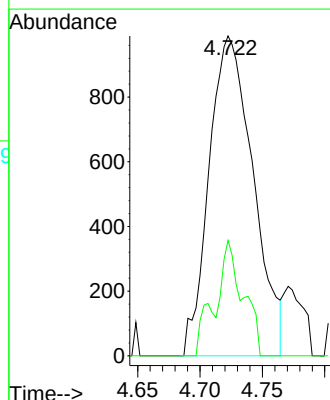
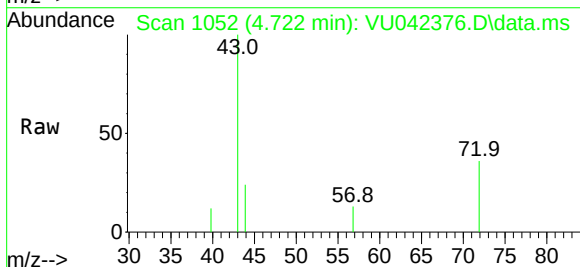
Acq: 19 Feb 2021 20:54

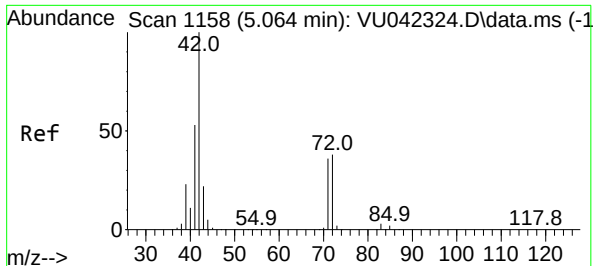
Tgt Ion: 43 Resp: 2429

Ion Ratio Lower Upper

43 100

72 36.1 17.4 26.0#





#29

Tetrahydrofuran

Concen: 0.74 ug/l

RT: 5.066 min Scan# 1159

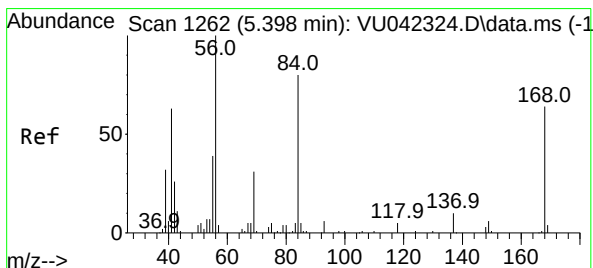
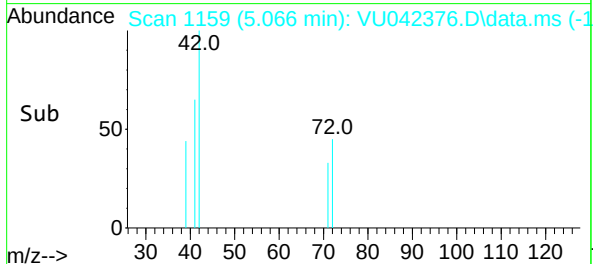
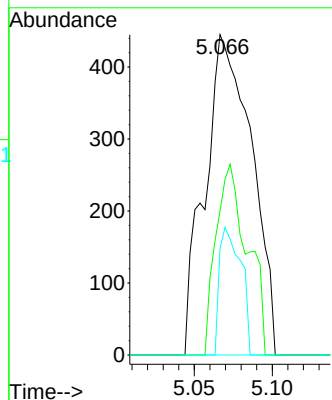
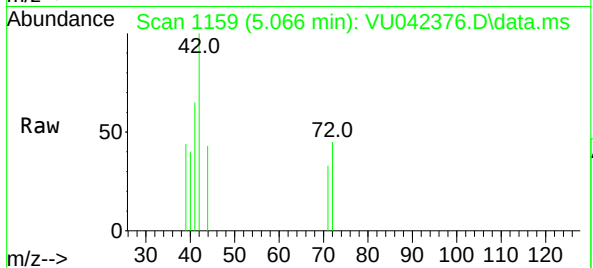
Delta R.T. 0.003 min

Lab File: VU042376.D

Acq: 19 Feb 2021 20:54

Instrument :
MSVOA_U
ClientSampled :
PB134713TB

Tgt Ion: 42	Resp: 927		
Ion Ratio	Lower	Upper	
42	100		
72	40.0	31.5	47.3
71	18.2	29.5	44.3#



#31

Cyclohexane

Concen: 1.19 ug/l

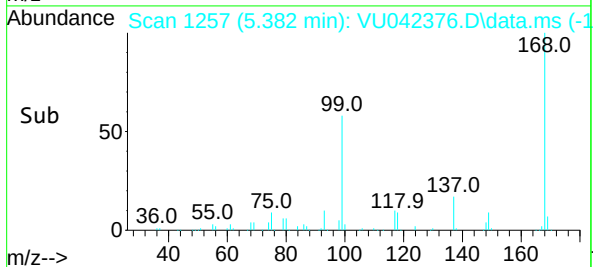
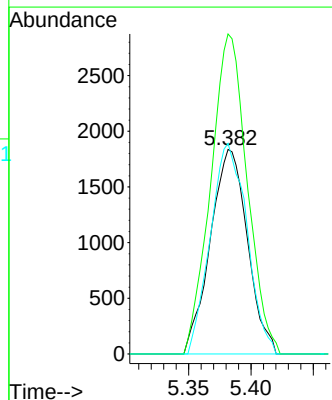
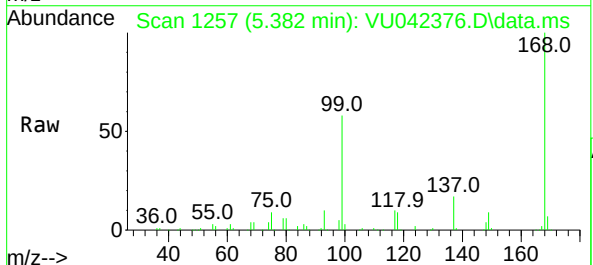
RT: 5.382 min Scan# 1257

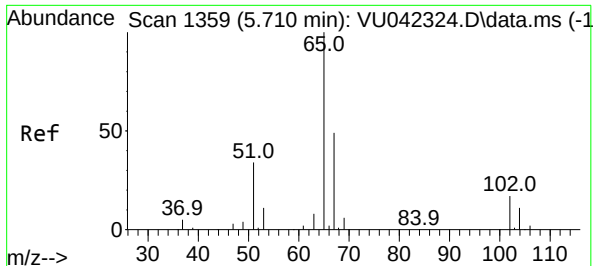
Delta R.T. -0.016 min

Lab File: VU042376.D

Acq: 19 Feb 2021 20:54

Tgt Ion: 56	Resp: 3796
Ion Ratio	Lower Upper
56 100	
69 156.5	24.9 37.3#
84 103.0	63.7 95.5#

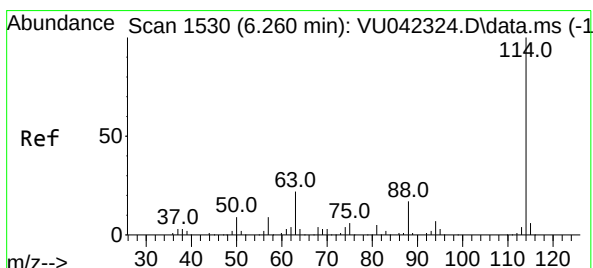
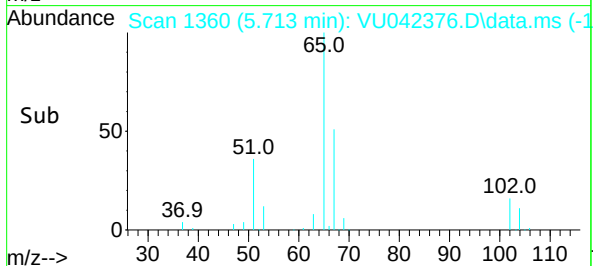
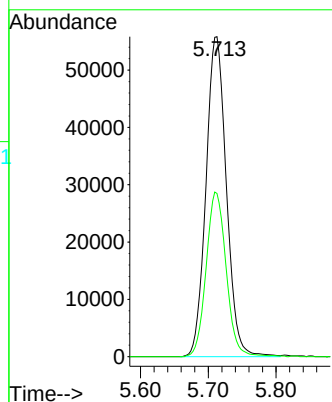
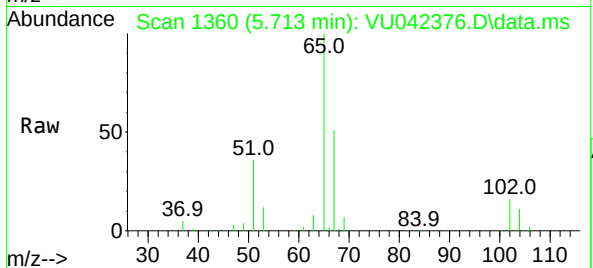




#33
1,2-Dichloroethane-d4
Concen: 48.07 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

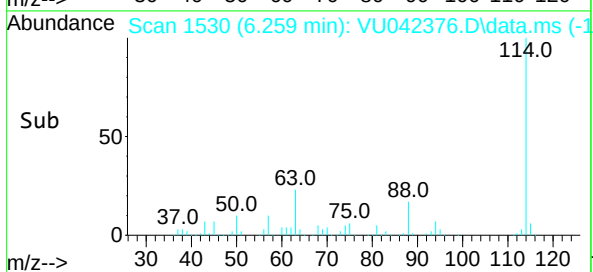
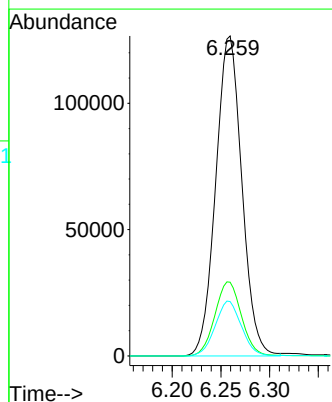
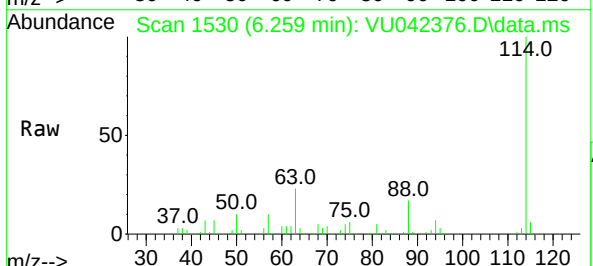
Instrument :
MSVOA_U
ClientSampleId :
PB134713TB

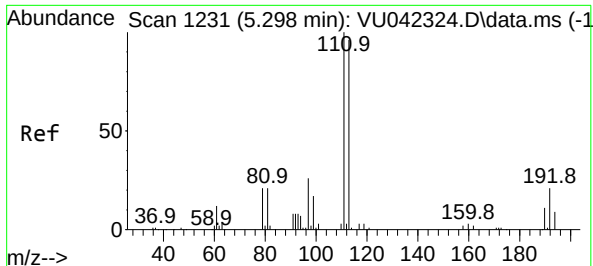
Tgt Ion: 65 Resp: 116889
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.259 min Scan# 1530
Delta R.T. -0.000 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

Tgt Ion: 114 Resp: 236153
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.2
88 17.0 0.0 33.4

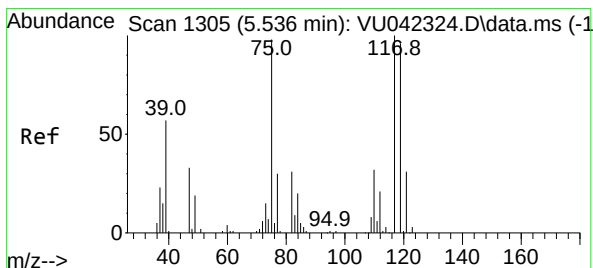
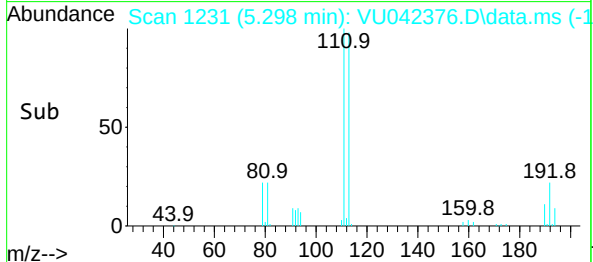
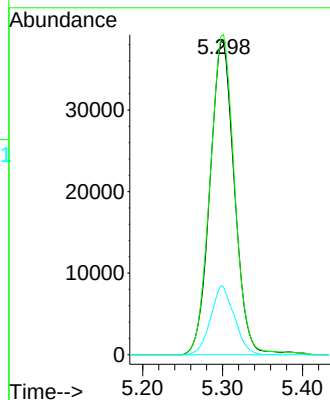
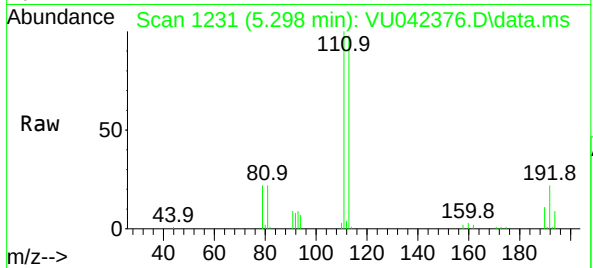




#35
Dibromofluoromethane
Concen: 48.78 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

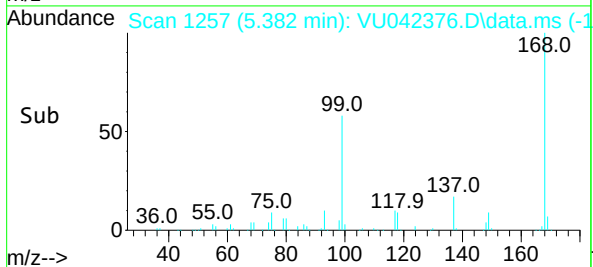
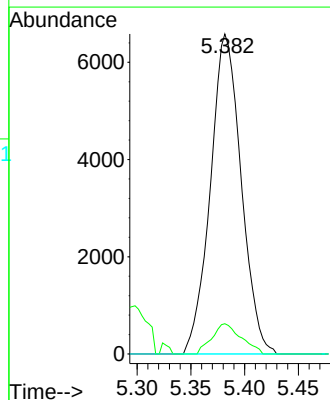
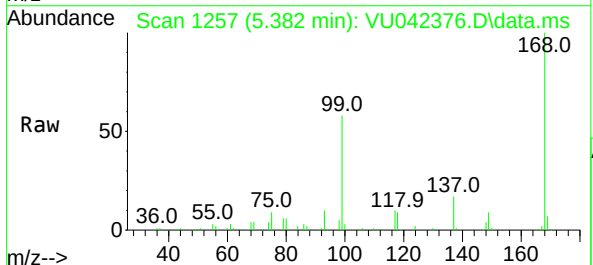
Instrument :
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ClientSampleId :
PB134713TB

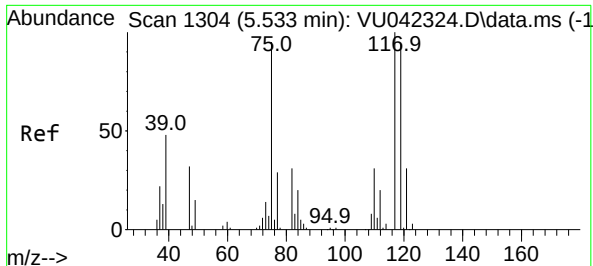
Tgt Ion:113 Resp: 81308
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 21.3 17.2 25.8



#36
1,1-Dichloropropene
Concen: 5.62 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.155 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

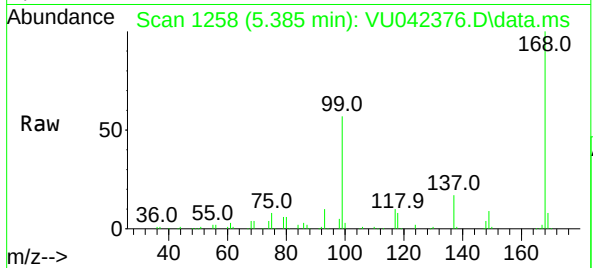
Tgt Ion: 75 Resp: 13121
Ion Ratio Lower Upper
75 100
110 9.0 16.8 50.3#
77 0.0 24.8 37.2#



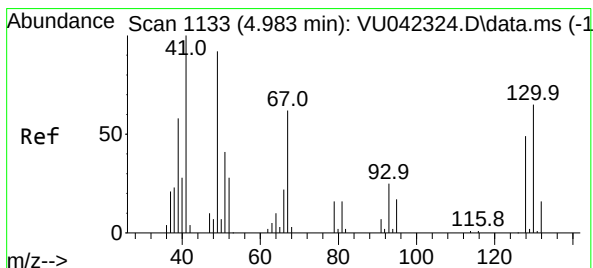
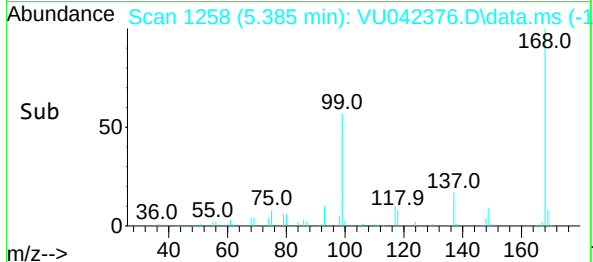
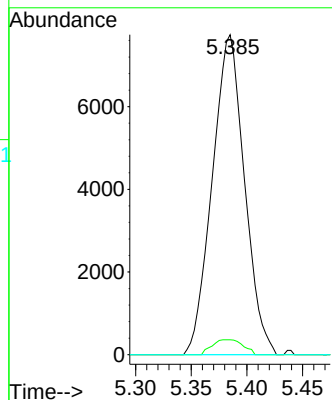


#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

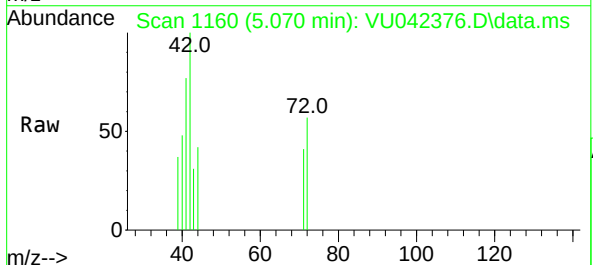
Instrument :
MSVOA_U
ClientSampleId :
PB134713TB



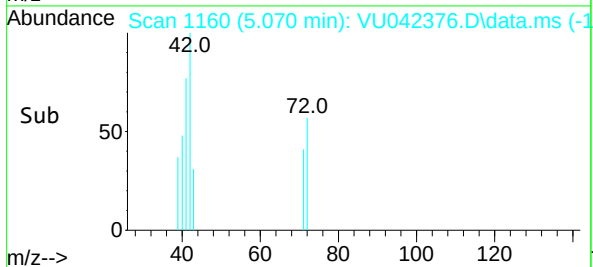
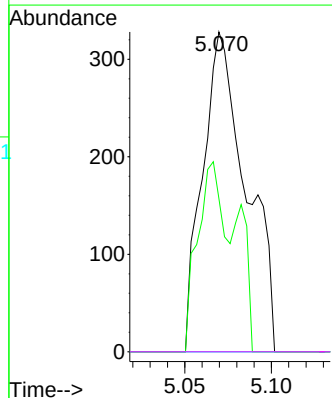
Tgt Ion:117 Resp: 15588
Ion Ratio Lower Upper
117 100
119 4.7 75.5 113.3#
121 0.0 24.7 37.1#

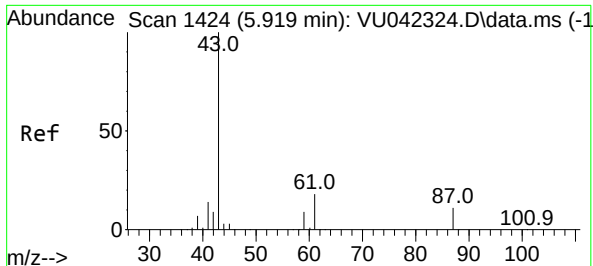


#41
Methacrylonitrile
Concen: 0.31 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.087 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54



Tgt Ion: 41 Resp: 573
Ion Ratio Lower Upper
41 100
39 37.5 45.1 67.7#
67 0.0 50.2 75.2#
52 0.0 22.1 33.1#



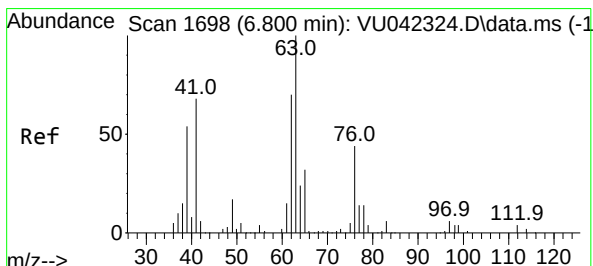
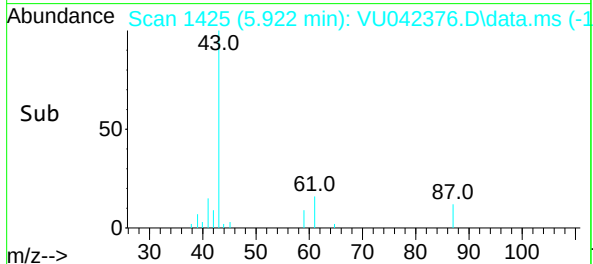
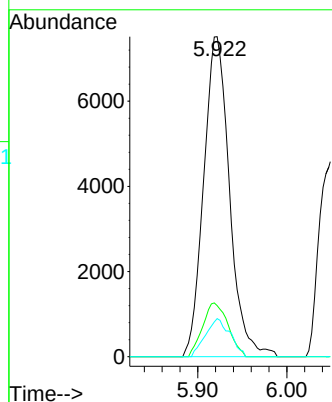
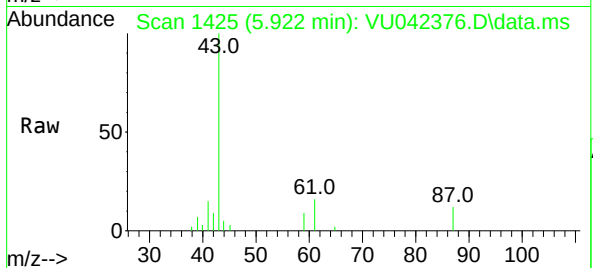


#43

Isopropyl Acetate
 Concen: 2.84 ug/l
 RT: 5.922 min Scan# 1425
 Delta R.T. 0.003 min
 Lab File: VU042376.D
 Acq: 19 Feb 2021 20:54

Instrument :
 MSVOA_U
 ClientSampleId :
 PB134713TB

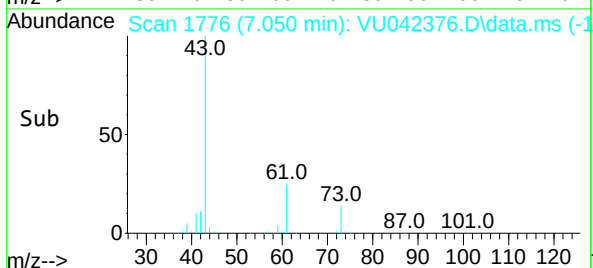
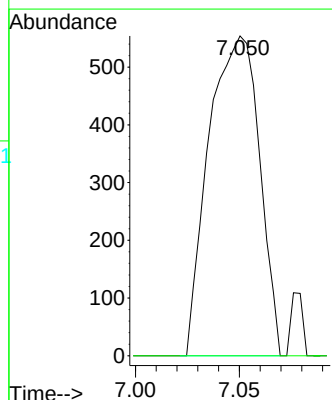
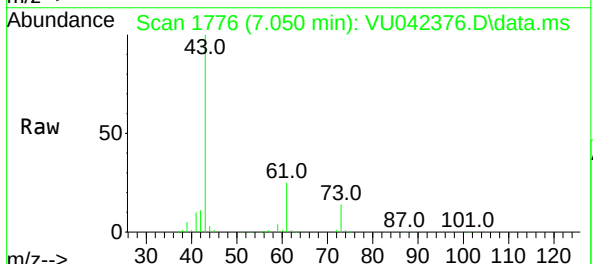
Tgt Ion: 43 Resp: 15140
 Ion Ratio Lower Upper
 43 100
 61 16.5 14.4 21.6
 87 11.3 8.8 13.2

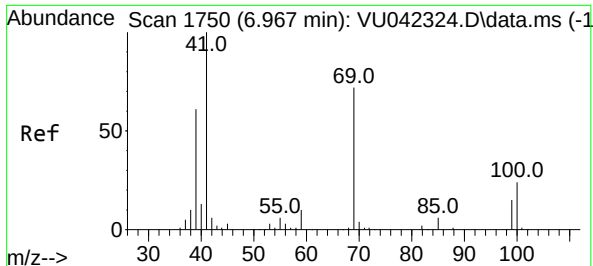


#45

1,2-Dichloropropane
 Concen: 0.52 ug/l
 RT: 7.050 min Scan# 1776
 Delta R.T. 0.251 min
 Lab File: VU042376.D
 Acq: 19 Feb 2021 20:54

Tgt Ion: 63 Resp: 938
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.2#





#48

Methyl methacrylate

Concen: 1.85 ug/l

RT: 6.902 min Scan# 1730

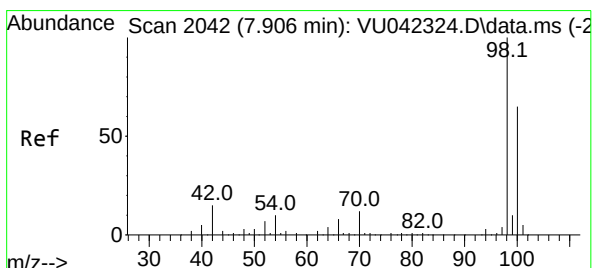
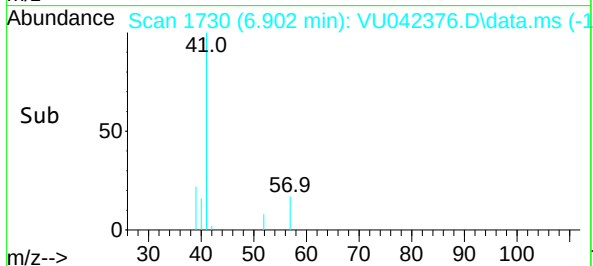
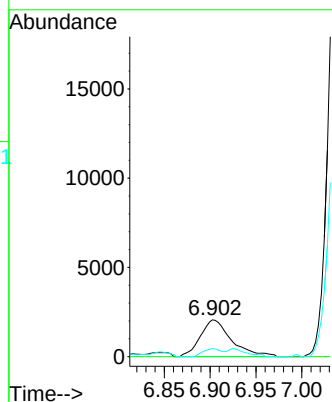
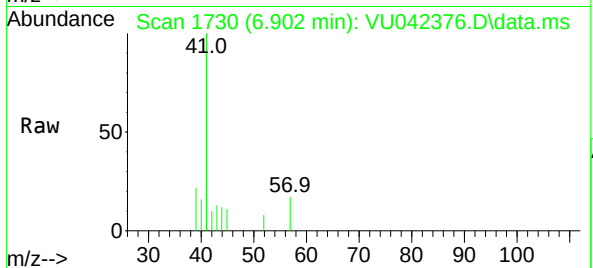
Delta R.T. -0.065 min

Lab File: VU042376.D

Acq: 19 Feb 2021 20:54

Tgt Ion:	41	Resp:	4887
Ion Ratio	Lower	Upper	
41	100		
69	0.0	57.0	85.6#
39	0.0	48.4	72.6#

Instrument :
MSVOA_U
ClientSampleId :
PB134713TB



#50

Toluene-d8

Concen: 50.10 ug/l

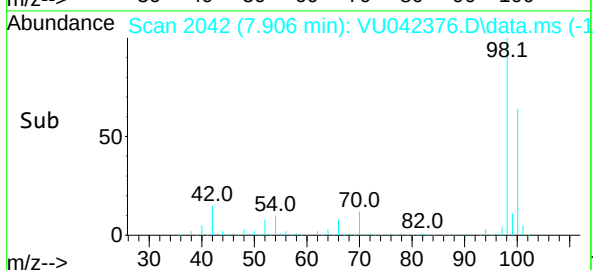
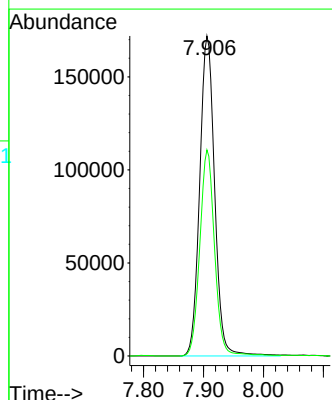
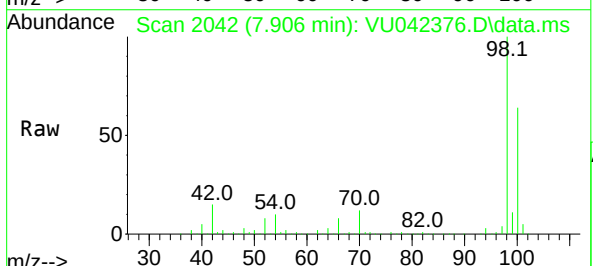
RT: 7.906 min Scan# 2042

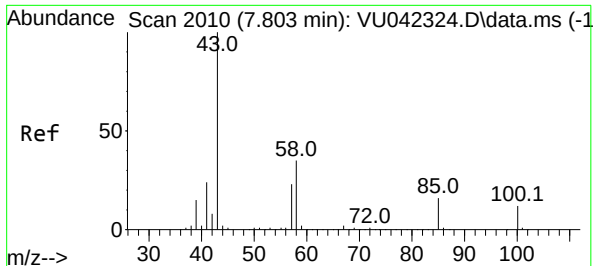
Delta R.T. -0.000 min

Lab File: VU042376.D

Acq: 19 Feb 2021 20:54

Tgt Ion:	98	Resp:	299074
Ion Ratio	Lower	Upper	
98	100		
100	63.8	50.2	75.2

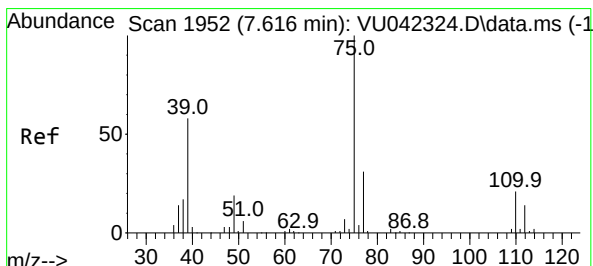
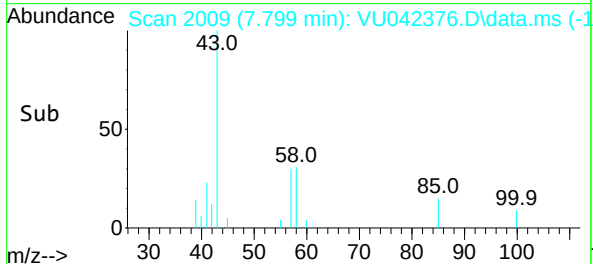
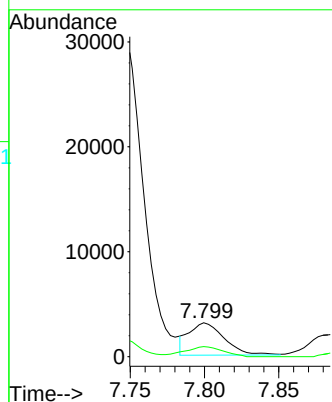
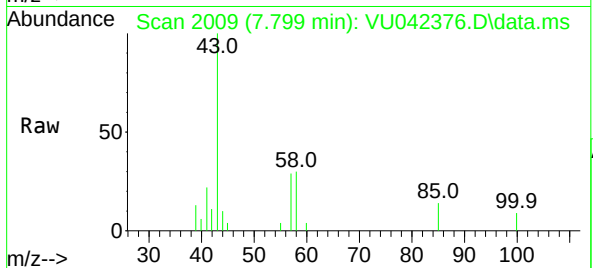




#51
4-Methyl-2-Pentanone
Concen: 1.42 ug/l
RT: 7.799 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

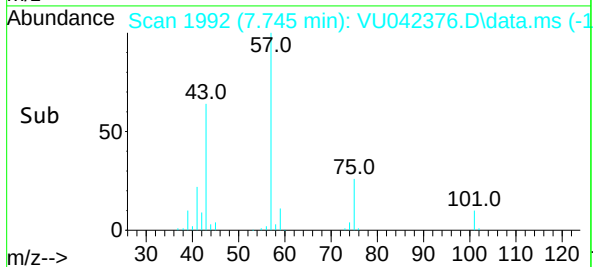
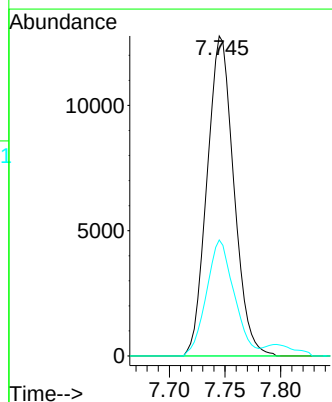
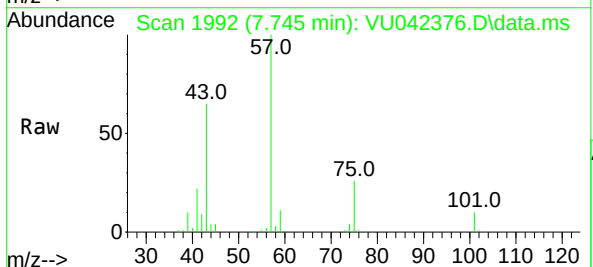
Instrument :
MSVOA_U
ClientSampleId :
PB134713TB

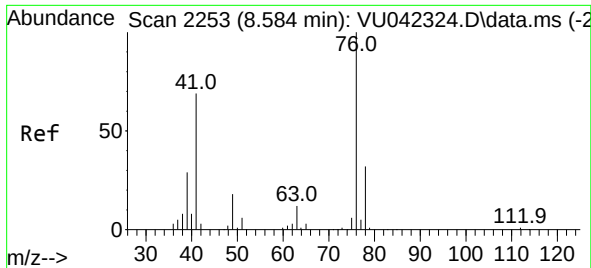
Tgt Ion: 43 Resp: 5122
Ion Ratio Lower Upper
43 100
58 33.0 28.1 42.1



#54
cis-1,3-Dichloropropene
Concen: 7.35 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.128 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

Tgt Ion: 75 Resp: 21378
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 36.2 46.1 69.1#

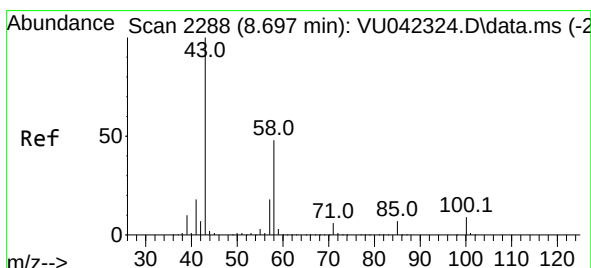
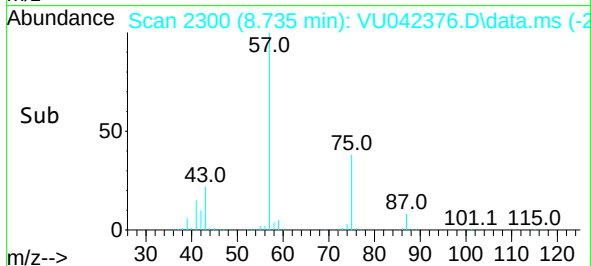
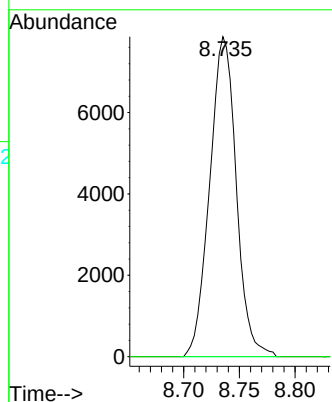
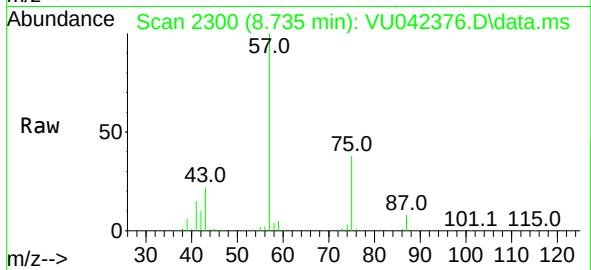




#57
1,3-Dichloropropane
Concen: 4.45 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.151 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

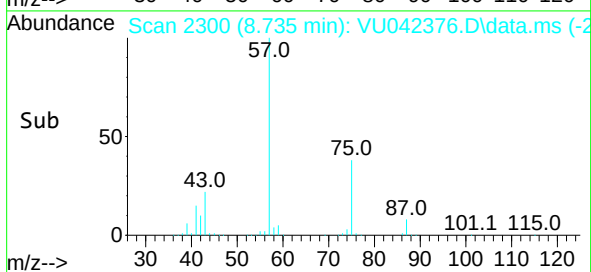
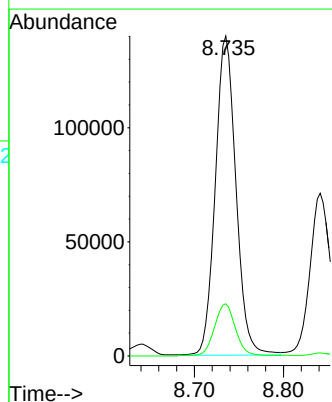
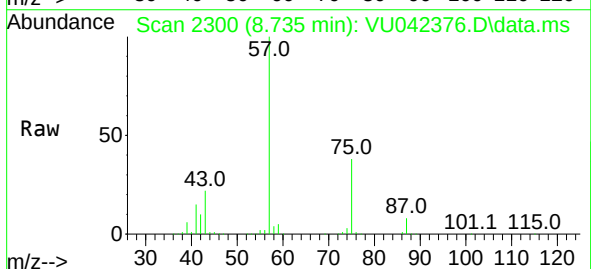
Instrument :
MSVOA_U
ClientSampleId :
PB134713TB

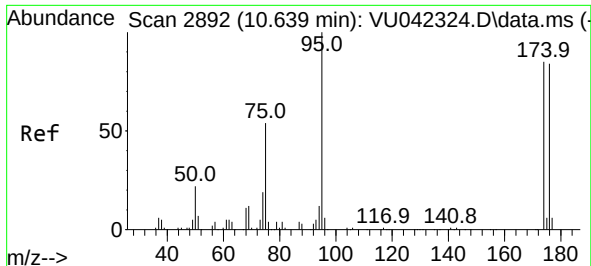
Tgt Ion: 76 Resp: 13073
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 78.03 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.038 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

Tgt Ion: 43 Resp: 225100
Ion Ratio Lower Upper
43 100
58 16.8 24.0 72.0#

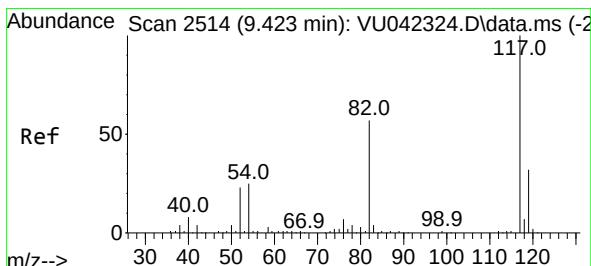
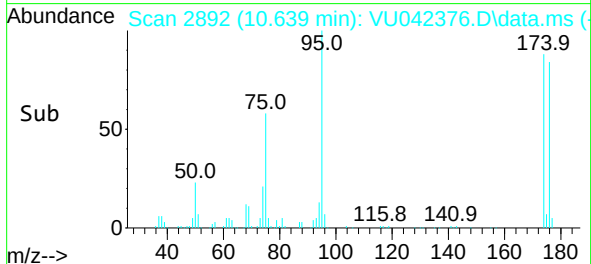
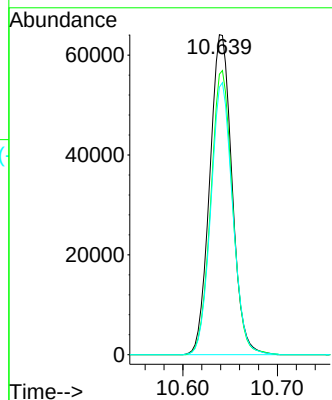
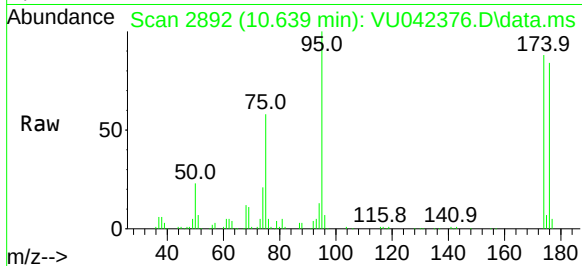




#62
4-Bromofluorobenzene
Concen: 44.62 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

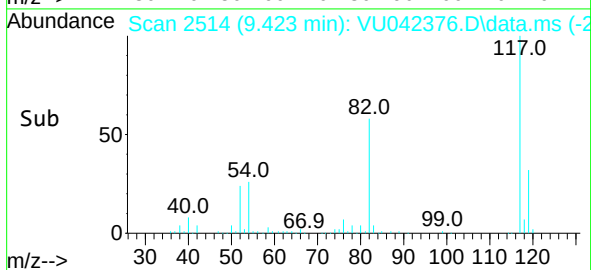
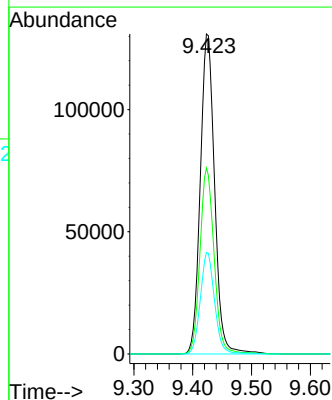
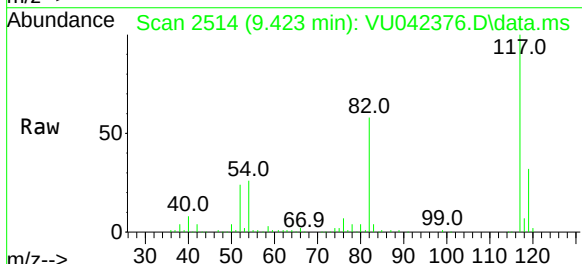
Instrument :
MSVOA_U
ClientSampleId :
PB134713TB

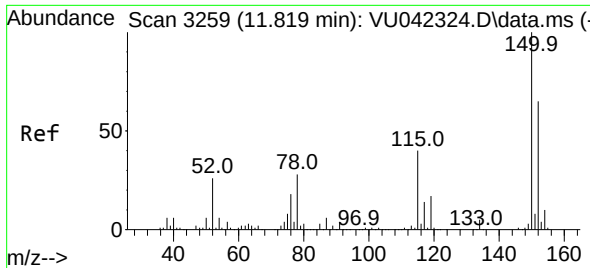
Tgt Ion: 95 Resp: 104980
Ion Ratio Lower Upper
95 100
174 86.7 0.0 172.2
176 83.4 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

Tgt Ion: 117 Resp: 221603
Ion Ratio Lower Upper
117 100
82 58.2 45.8 68.6
119 31.7 25.8 38.8

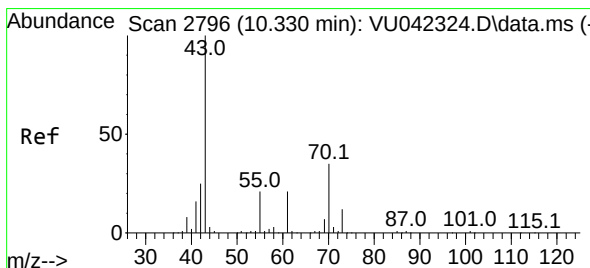
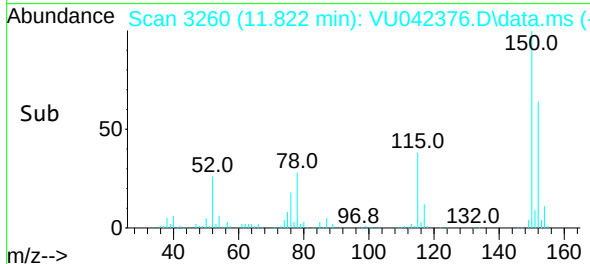
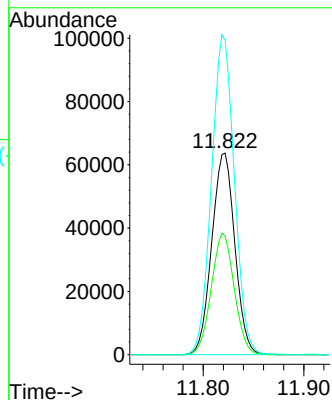
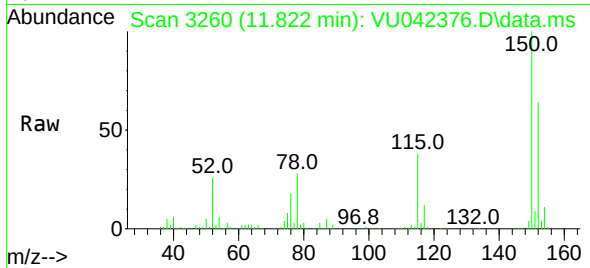




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.822 min Scan# 3260
 Delta R.T. 0.003 min
 Lab File: VU042376.D
 Acq: 19 Feb 2021 20:54

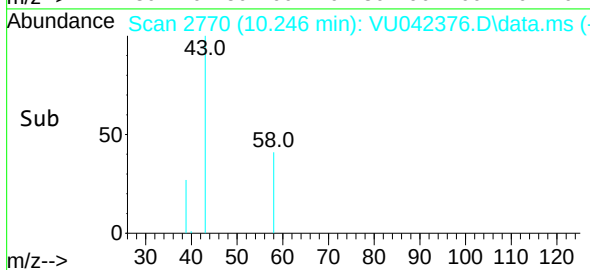
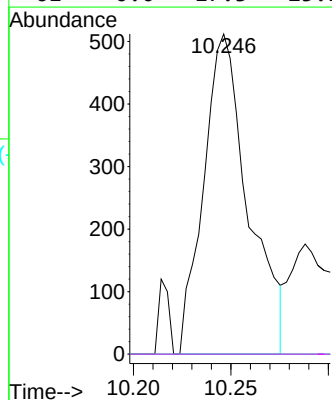
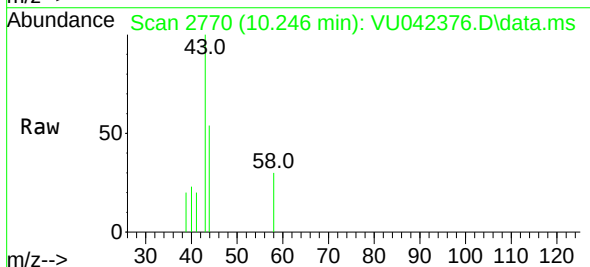
Instrument :
 MSVOA_U
 ClientSampleId :
 PB134713TB

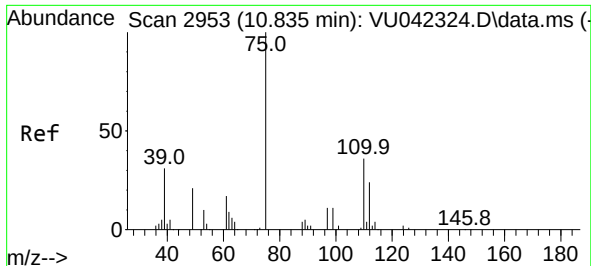
Tgt Ion:152 Resp: 101636
 Ion Ratio Lower Upper
 152 100
 115 59.9 41.5 124.6
 150 157.0 0.0 342.4



#74
 N-ethyl acetate
 Concen: 0.21 ug/l
 RT: 10.246 min Scan# 2770
 Delta R.T. -0.084 min
 Lab File: VU042376.D
 Acq: 19 Feb 2021 20:54

Tgt Ion: 43 Resp: 817
 Ion Ratio Lower Upper
 43 100
 70 0.0 28.3 42.5#
 55 0.0 17.2 25.8#
 61 0.0 17.3 25.9#

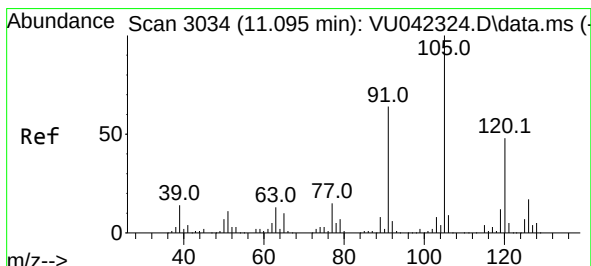
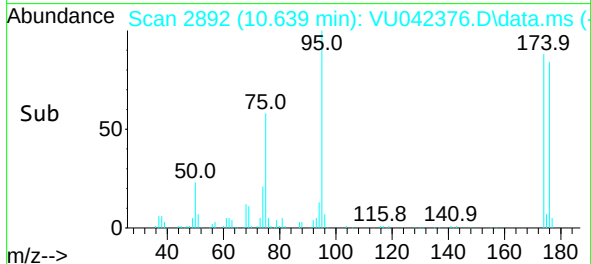
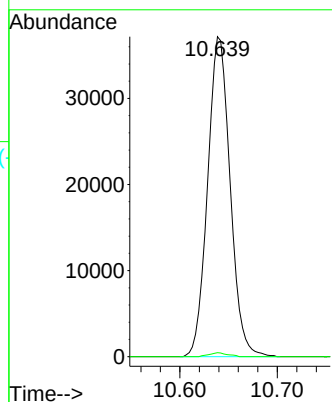
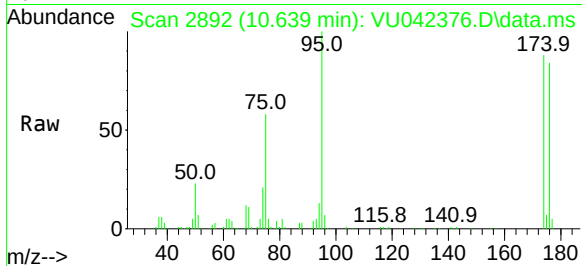




#76
1,2,3-Trichloropropane
Concen: 23.79 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

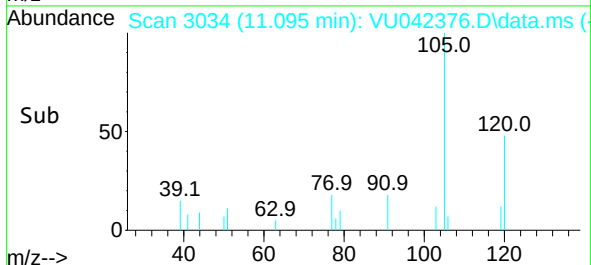
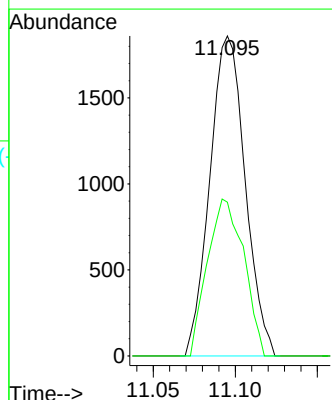
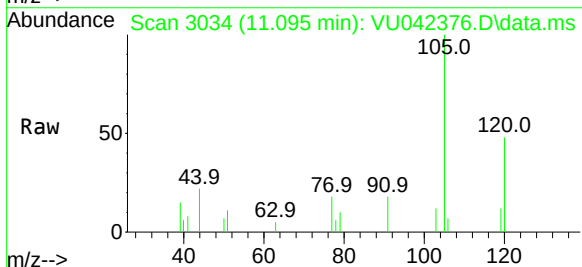
Instrument :
MSVOA_U
ClientSampled :
PB134713TB

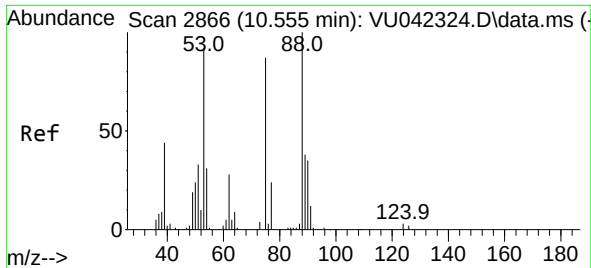
Tgt Ion: 75 Resp: 59777
Ion Ratio Lower Upper
75 100
77 1.0 20.2 60.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.48 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. -0.000 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

Tgt Ion: 105 Resp: 2782
Ion Ratio Lower Upper
105 100
120 50.4 23.8 71.4

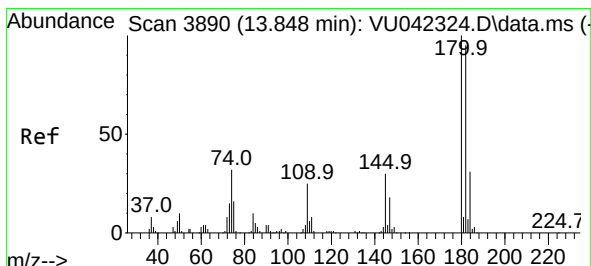
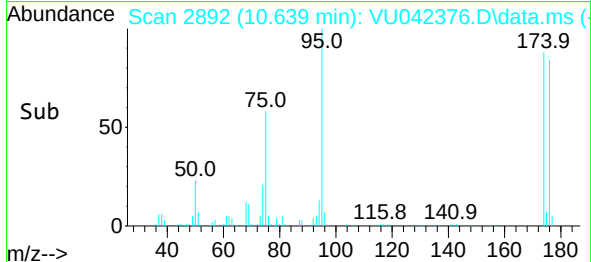
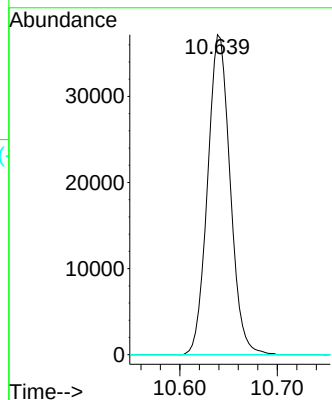
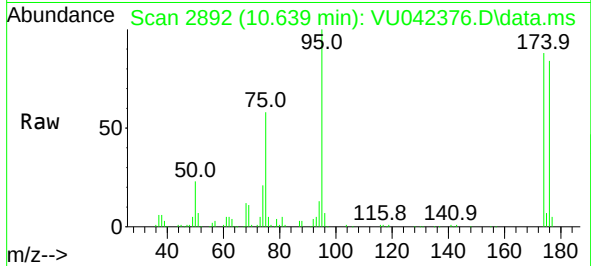




#81
trans-1,4-Dichloro-2-butene
Concen: 64.67 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.083 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

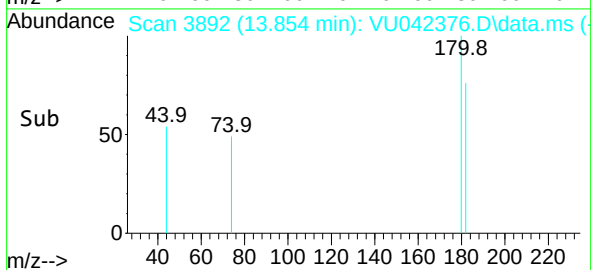
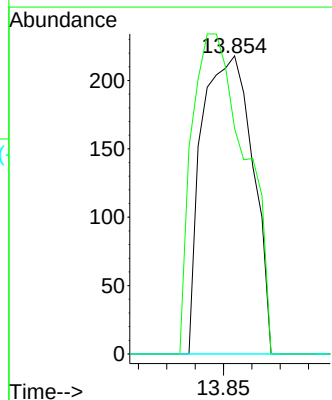
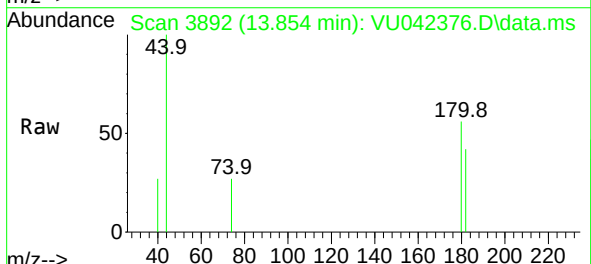
Instrument :
MSVOA_U
ClientSampleId :
PB134713TB

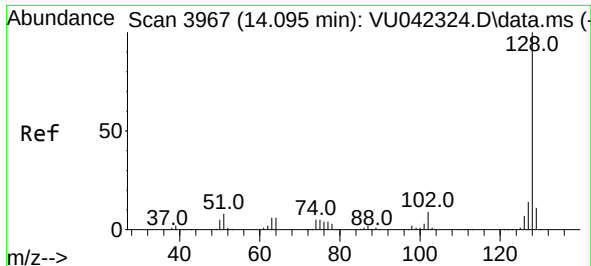
Tgt Ion: 75 Resp: 59777
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 1.80 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.006 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

Tgt Ion:180 Resp: 271
Ion Ratio Lower Upper
180 100
182 113.7 46.9 140.8
145 0.0 14.4 43.4#

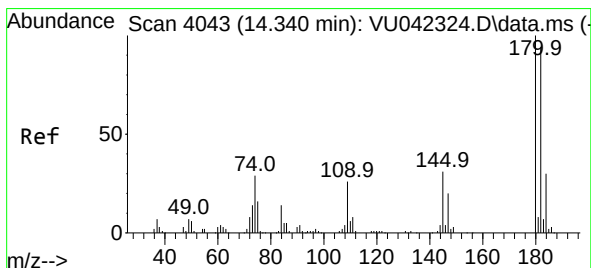
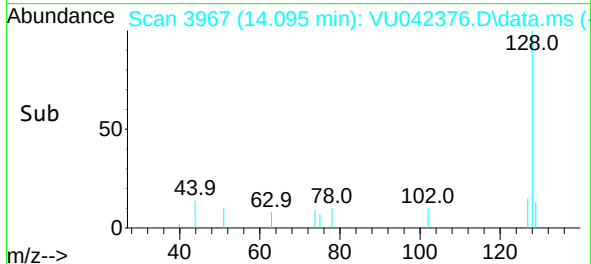
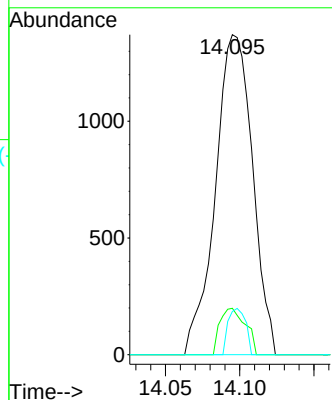
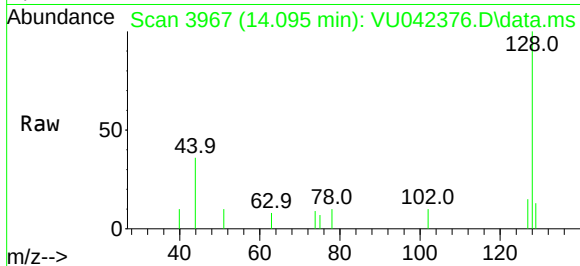




#95
Naphthalene
Concen: 2.55 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

Instrument :
MSVOA_U
ClientSampleId :
PB134713TB

Tgt Ion:128 Resp: 2384
Ion Ratio Lower Upper
128 100
127 9.9 10.8 16.2#
129 6.8 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.80 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. -0.004 min
Lab File: VU042376.D
Acq: 19 Feb 2021 20:54

Tgt Ion:180 Resp: 276
Ion Ratio Lower Upper
180 100
182 40.9 48.0 144.0#
145 0.0 15.5 46.5#

