

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
 Data File : VU043573.D
 Acq On : 06 May 2021 11:17
 Operator : SY/MD
 Sample : VU0506WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0506WBL01

Quant Time: May 07 02:02:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

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

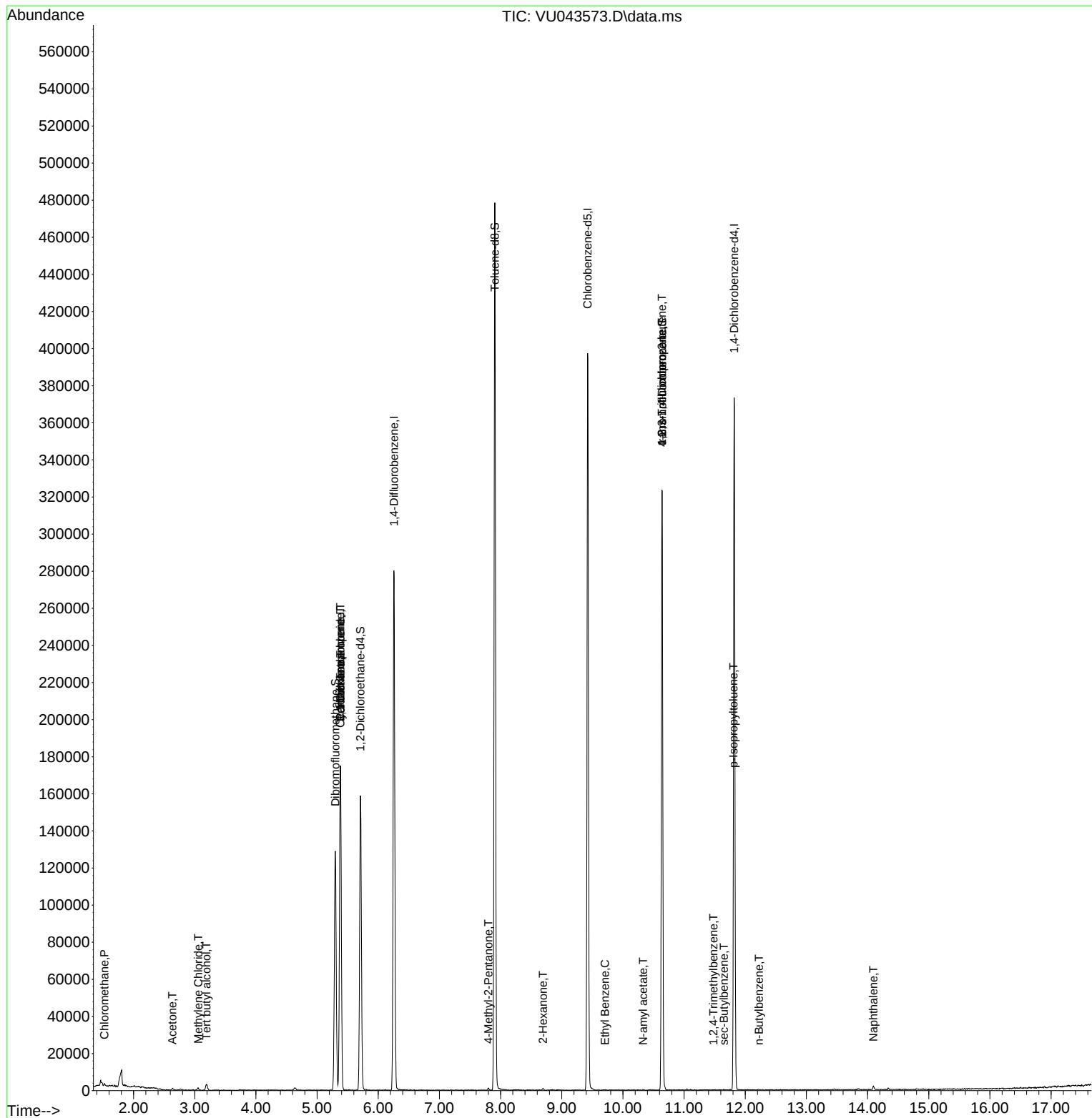
Internal Standards						
1) Pentafluorobenzene	5.382	168	113507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	201354	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	195313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	88260	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	120507	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	5.298	113	80321	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	7.906	98	284061	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.642	95	97743	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	951	0.78	ug/l	93
11) Tert butyl alcohol	3.189	59	2384	3.87	ug/l #	73
16) Acetone	2.633	43	1007	0.79	ug/l #	84
20) Methylene Chloride	3.060	84	563	0.31	ug/l #	84
31) Cyclohexane	5.378	56	3390	1.24	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	10727	4.69	ug/l #	51
38) Carbon Tetrachloride	5.382	117	12107	5.23	ug/l #	17
51) 4-Methyl-2-Pentanone	7.803	43	943	19.37	ug/l #	78
59) 2-Hexanone	8.693	43	972	20.95	ug/l	76
67) Ethyl Benzene	9.706	91	86	1.46	ug/l #	45
74) N-amyl acetate	10.330	43	223	2.56	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	56313	20.07	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	56313	65.35	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.481	105	43	1.12	ug/l #	33
85) sec-Butylbenzene	11.651	105	147	1.36	ug/l #	59
86) p-Isopropyltoluene	11.806	119	205	1.50	ug/l #	26
89) n-Butylbenzene	12.224	91	282	2.57	ug/l #	81
95) Naphthalene	14.095	128	2265	1.82	ug/l #	91

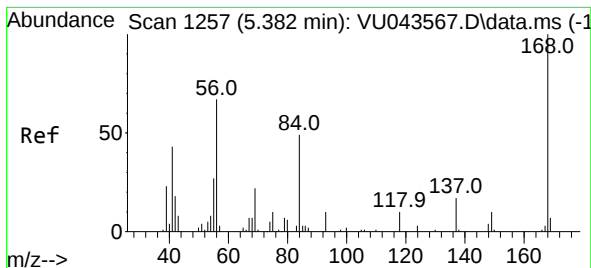
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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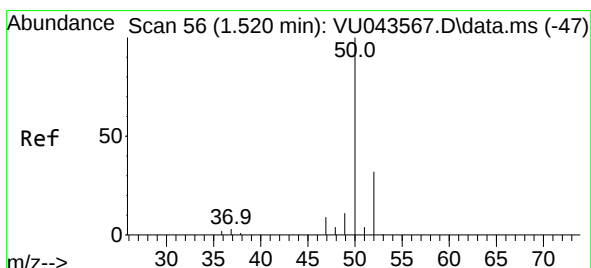
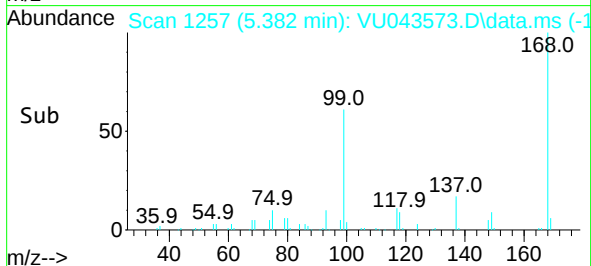
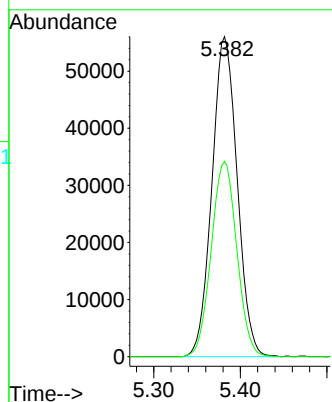
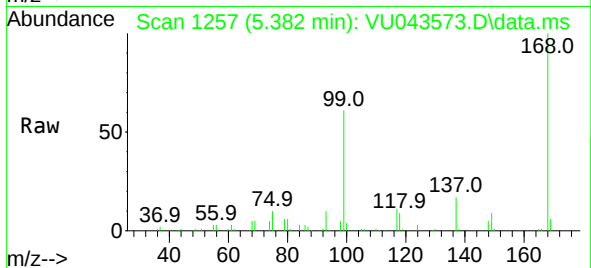




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

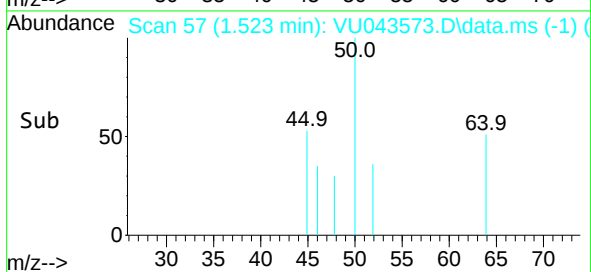
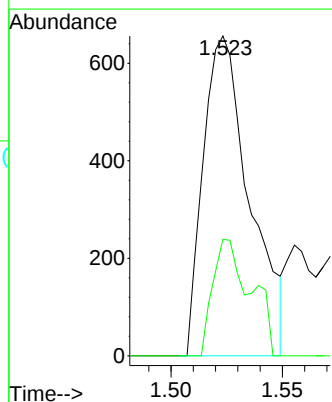
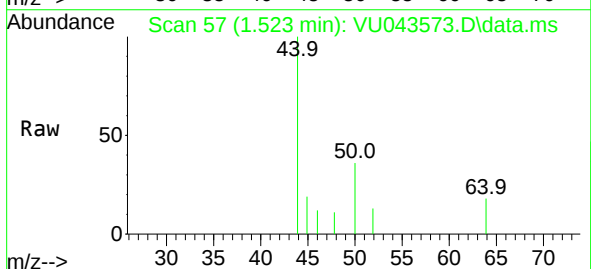
Instrument :
MSVOA_U
ClientSampleId :
VU0506WBL01

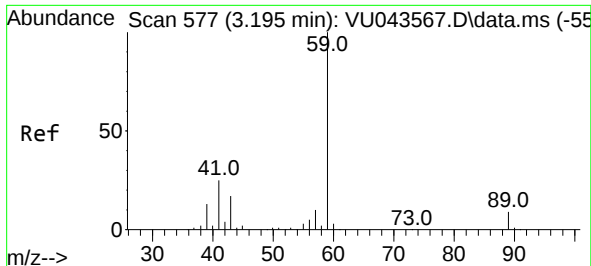
Tgt Ion:168 Resp: 113507
Ion Ratio Lower Upper
168 100
99 61.1 49.0 73.6



#3
Chloromethane
Concen: 0.78 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

Tgt Ion: 50 Resp: 951
Ion Ratio Lower Upper
50 100
52 36.4 25.9 38.9

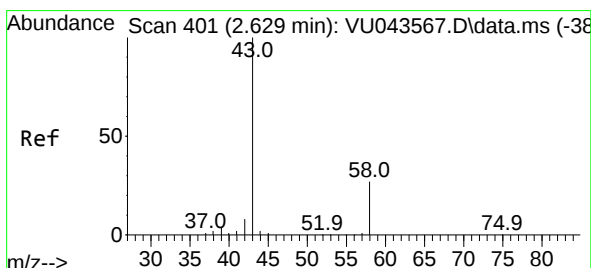
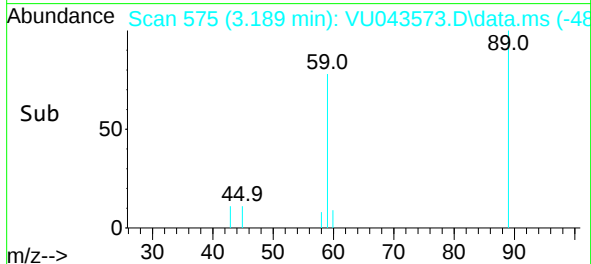
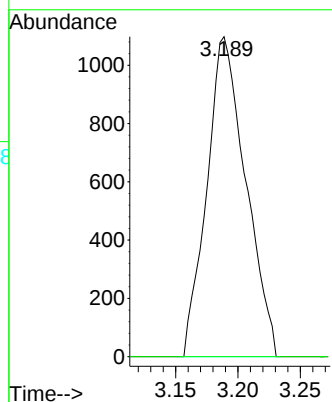
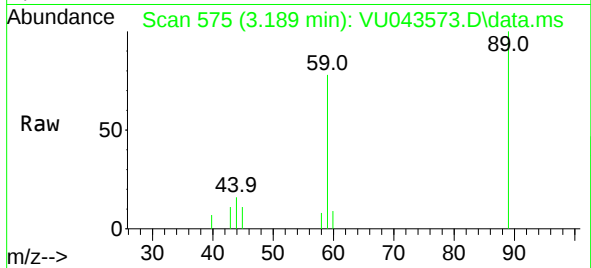




#11
Tert butyl alcohol
Concen: 3.87 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.006 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

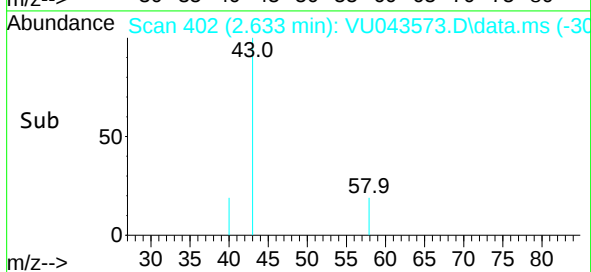
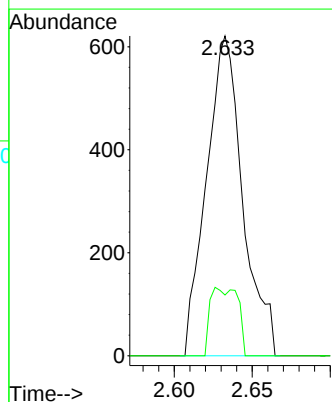
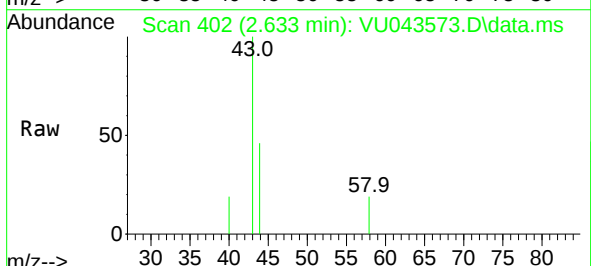
Instrument :
MSVOA_U
ClientSampleId :
VU0506WBL01

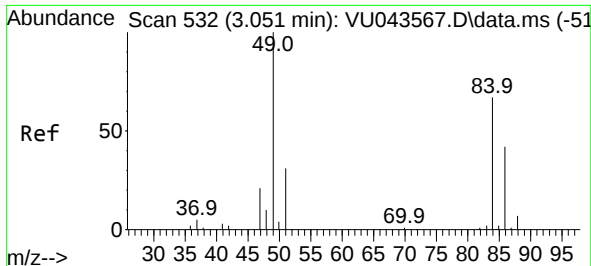
Tgt Ion: 59 Resp: 2384
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 0.79 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
58 19.0 21.7 32.5#





#20

Methylene Chloride

Concen: 0.31 ug/l

RT: 3.060 min Scan# 535

Delta R.T. 0.010 min

Lab File: VU043573.D

Acq: 06 May 2021 11:17

Tgt Ion: 84 Resp: 563

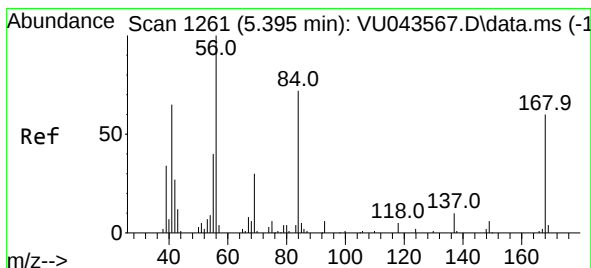
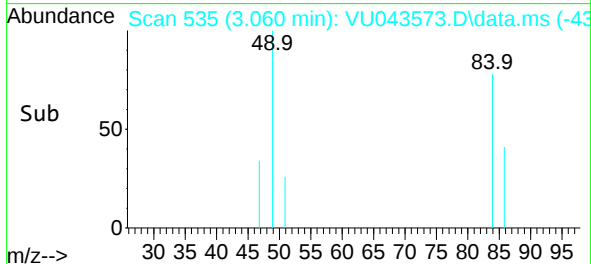
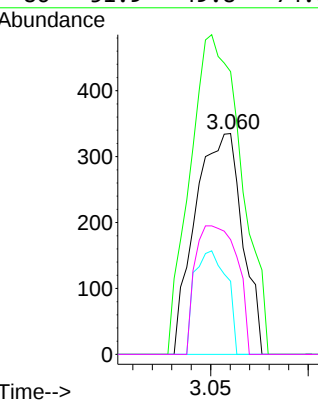
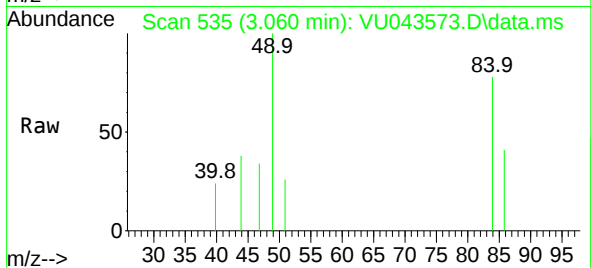
Ion Ratio Lower Upper

84 100

49 128.1 119.0 178.4

51 33.1 36.8 55.2#

86 51.9 49.8 74.6



#31

Cyclohexane

Concen: 1.24 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.016 min

Lab File: VU043573.D

Acq: 06 May 2021 11:17

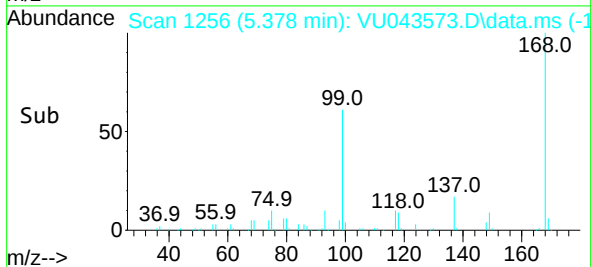
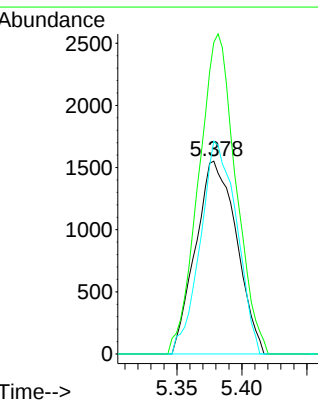
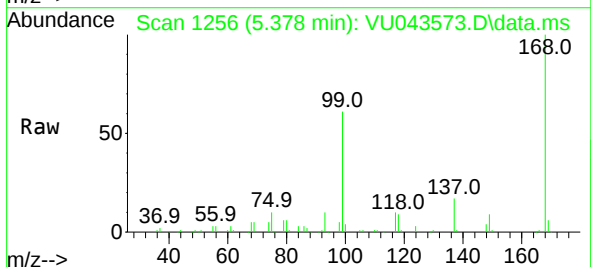
Tgt Ion: 56 Resp: 3390

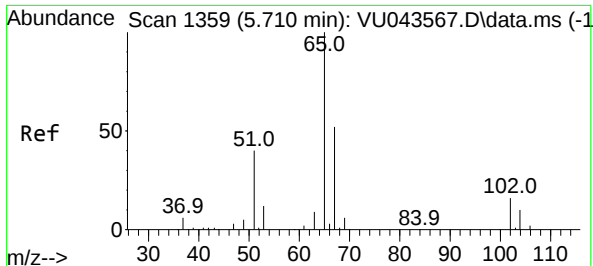
Ion Ratio Lower Upper

56 100

69 161.7 23.9 35.9#

84 110.4 57.7 86.5#





#33

1,2-Dichloroethane-d4

Concen: 52.45 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043573.D

Acq: 06 May 2021 11:17

Tgt Ion: 65 Resp: 120507

Ion Ratio Lower Upper

65 100

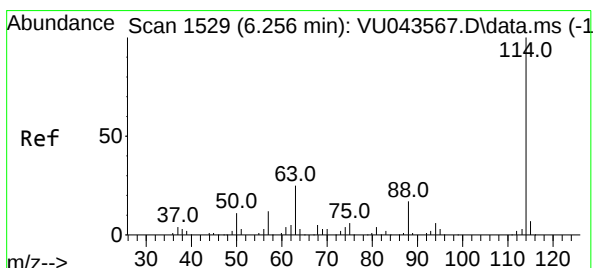
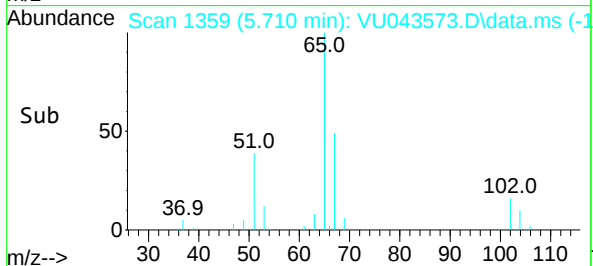
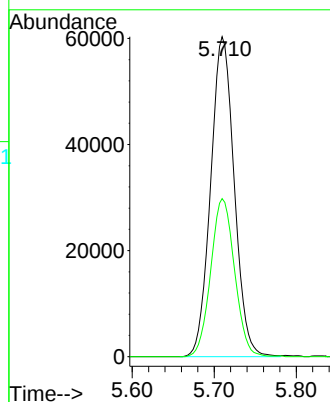
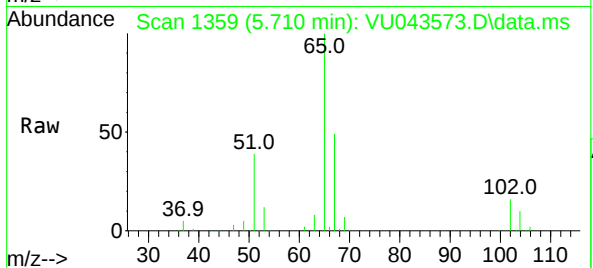
67 49.9 0.0 104.6

Instrument :

MSVOA_U

ClientSampleId :

VU0506WBL01



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. -0.000 min

Lab File: VU043573.D

Acq: 06 May 2021 11:17

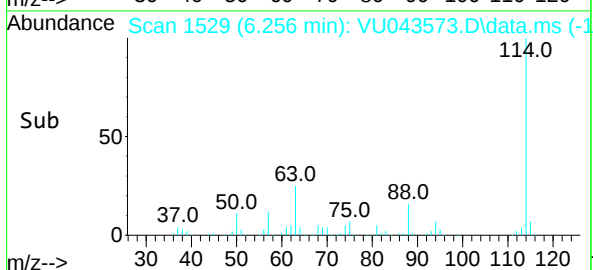
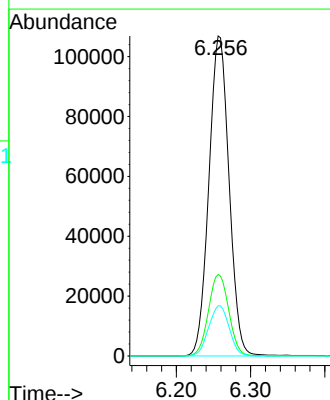
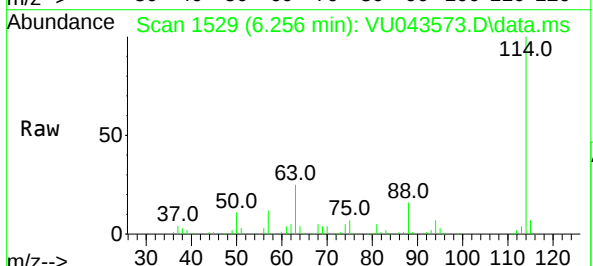
Tgt Ion: 114 Resp: 201354

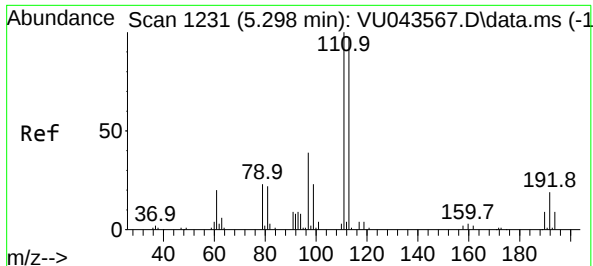
Ion Ratio Lower Upper

114 100

63 25.5 0.0 50.2

88 15.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.02 ug/l

RT: 5.298 min Scan# 1231

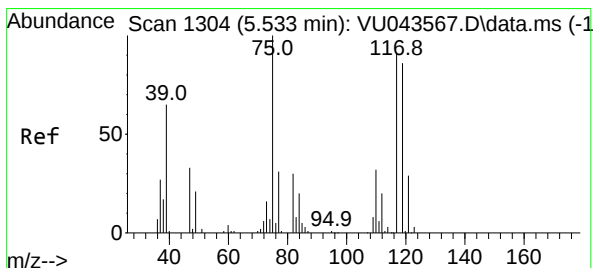
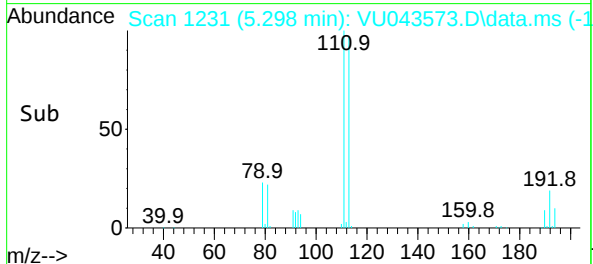
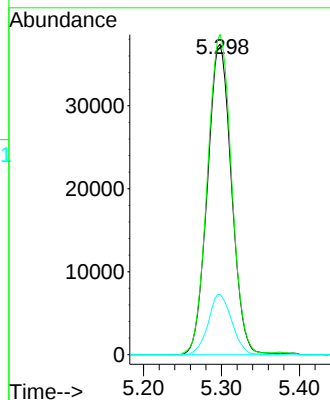
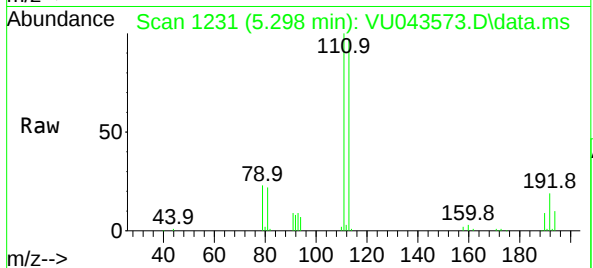
Delta R.T. -0.000 min

Lab File: VU043573.D

Acq: 06 May 2021 11:17

Tgt Ion:	113	Resp:	80321
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.3	123.5
192	19.0	15.8	23.6

Instrument :
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ClientSampleId :
VU0506WBL01



#36

1,1-Dichloropropene

Concen: 4.69 ug/l

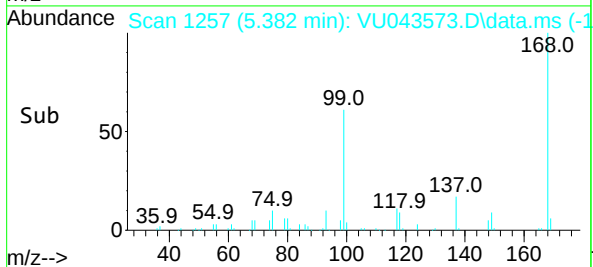
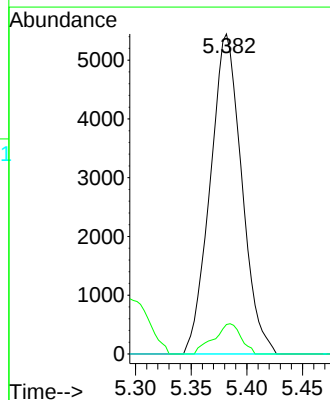
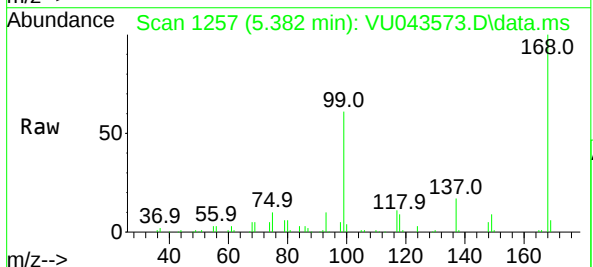
RT: 5.382 min Scan# 1257

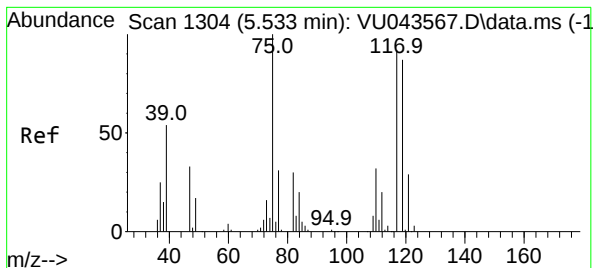
Delta R.T. -0.151 min

Lab File: VU043573.D

Acq: 06 May 2021 11:17

Tgt Ion:	75	Resp:	10727
Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.2	48.5#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 5.23 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU043573.D

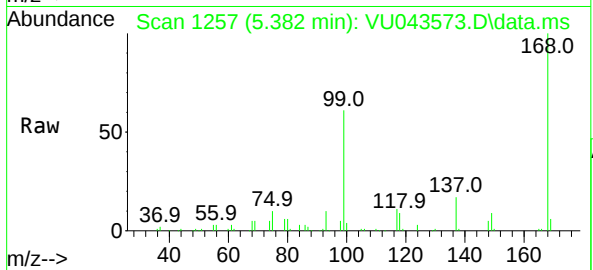
Acq: 06 May 2021 11:17

Instrument :

MSVOA_U

ClientSampleId :

VU0506WBL01



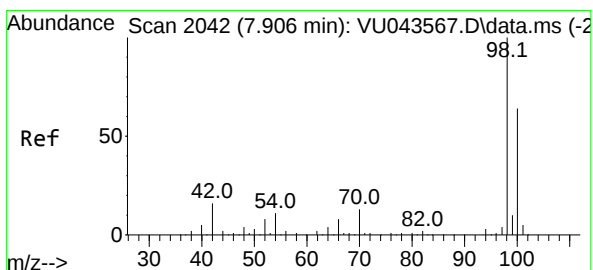
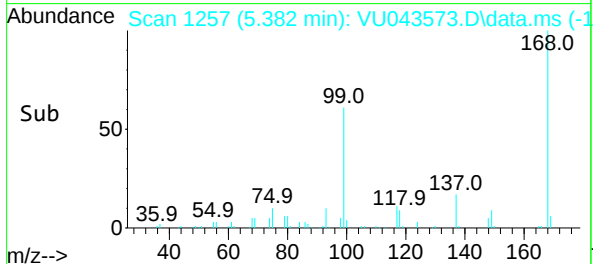
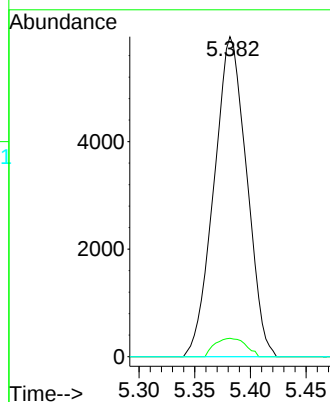
Tgt Ion:117 Resp: 12107

Ion Ratio Lower Upper

117 100

119 5.7 75.4 113.0#

121 0.0 25.2 37.8#



#50

Toluene-d8

Concen: 49.89 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU043573.D

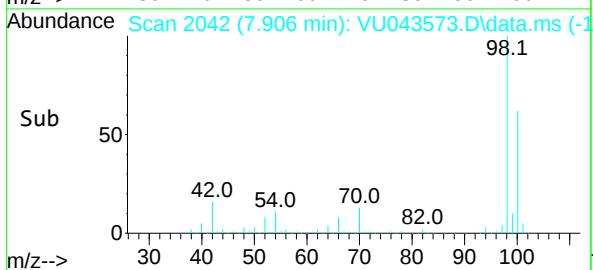
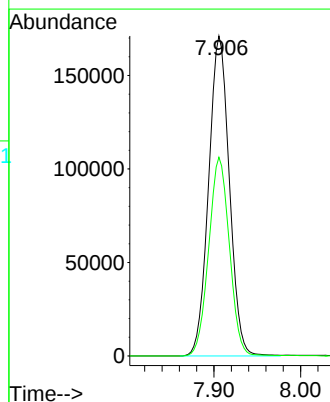
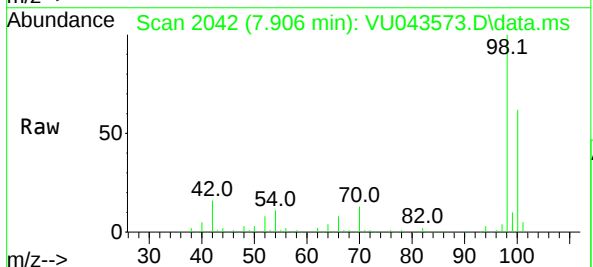
Acq: 06 May 2021 11:17

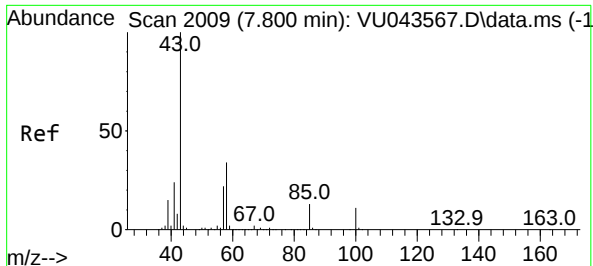
Tgt Ion: 98 Resp: 284061

Ion Ratio Lower Upper

98 100

100 62.1 50.5 75.7

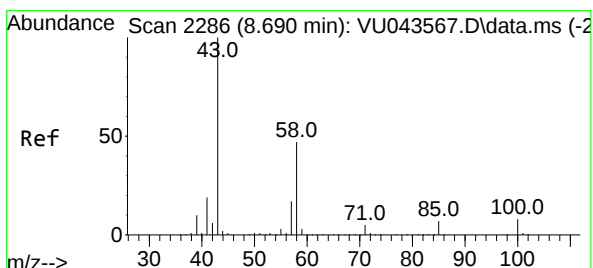
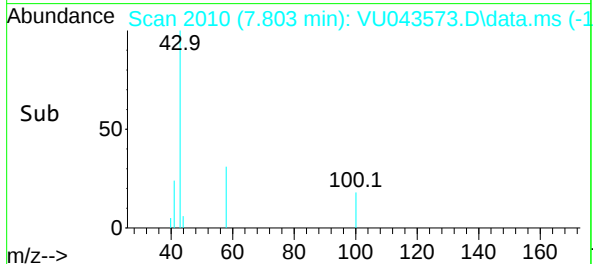
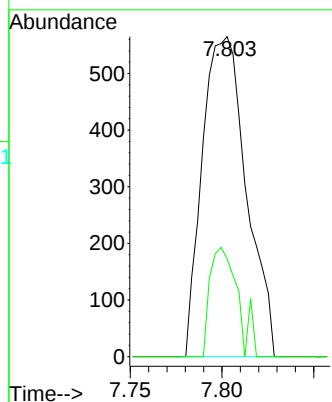
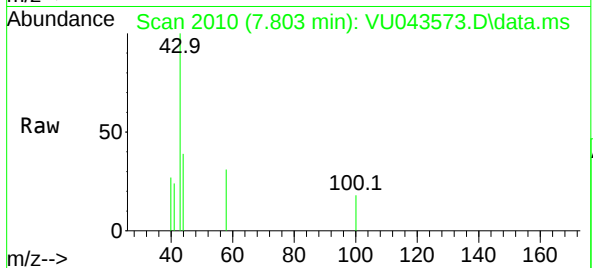




#51
4-Methyl-2-Pentanone
Concen: 19.37 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

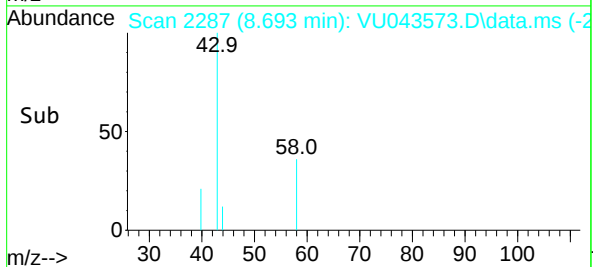
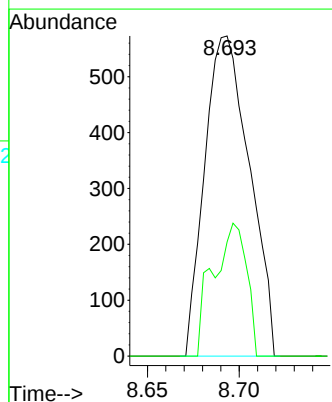
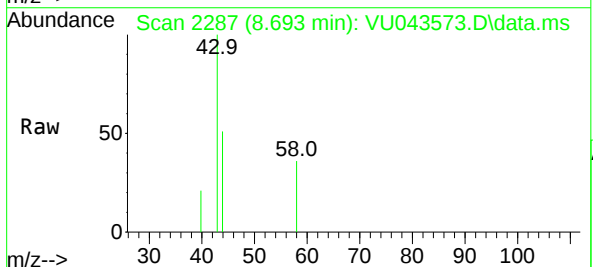
Instrument :
MSVOA_U
ClientSampleId :
VU0506WBL01

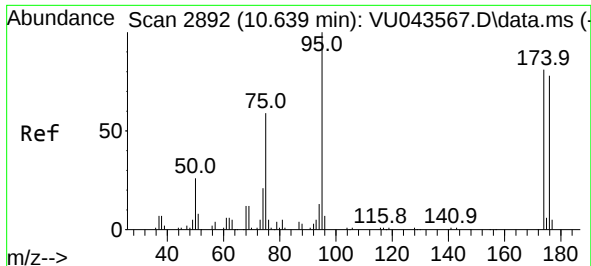
Tgt Ion: 43 Resp: 943
Ion Ratio Lower Upper
43 100
58 21.4 27.2 40.8#



#59
2-Hexanone
Concen: 20.95 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. 0.003 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
58 31.0 23.4 70.2

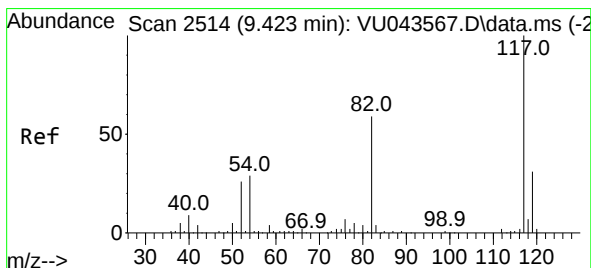
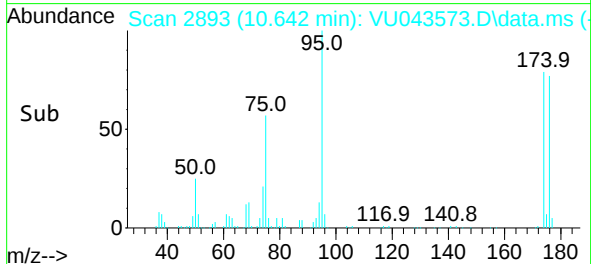
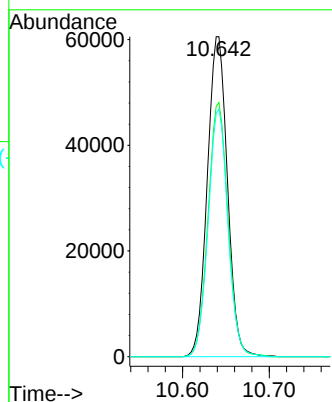
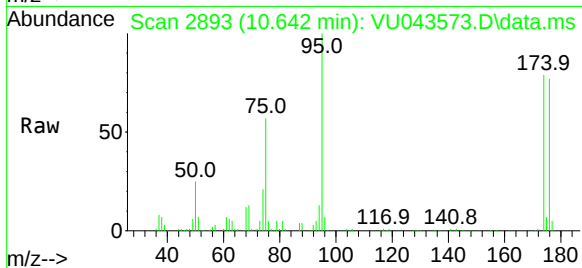




#62
4-Bromofluorobenzene
Concen: 45.12 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

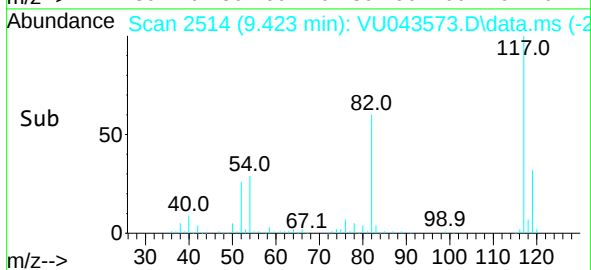
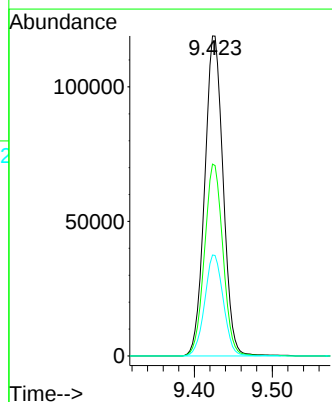
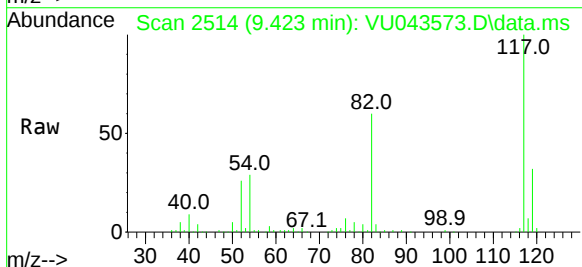
Instrument :
MSVOA_U
ClientSampleId :
VU0506WBL01

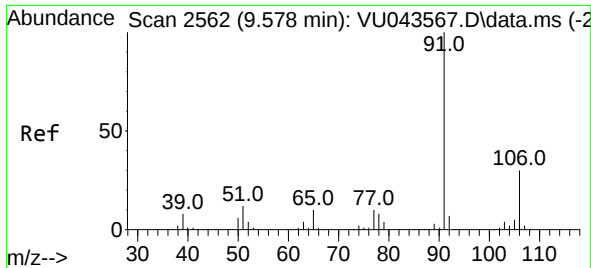
Tgt Ion: 95 Resp: 97743
Ion Ratio Lower Upper
95 100
174 79.0 0.0 158.8
176 75.9 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

Tgt Ion: 117 Resp: 195313
Ion Ratio Lower Upper
117 100
82 60.0 47.5 71.3
119 31.5 24.7 37.1

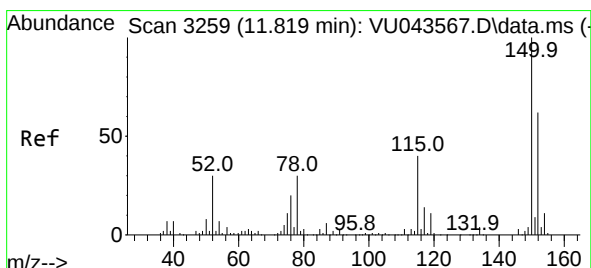
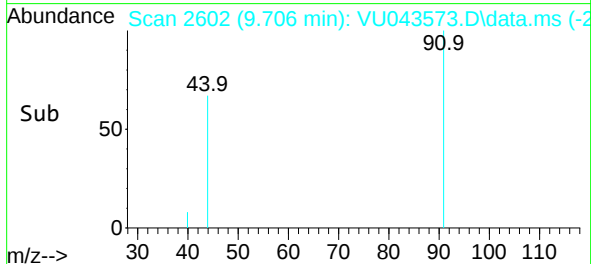
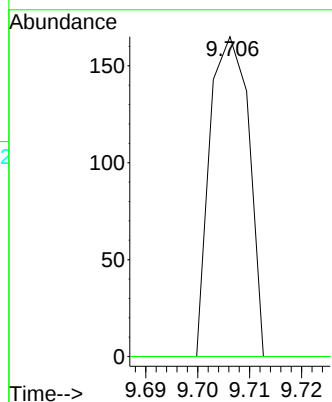
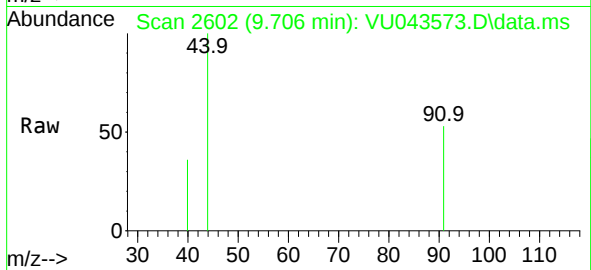




#67
Ethyl Benzene
Concen: 1.46 ug/l
RT: 9.706 min Scan# 2602
Delta R.T. 0.128 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

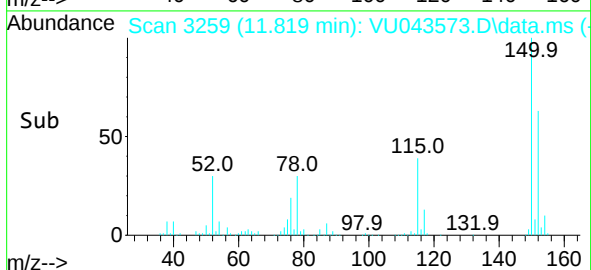
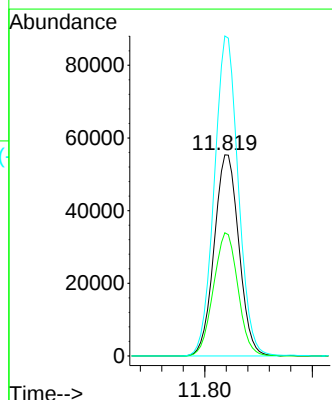
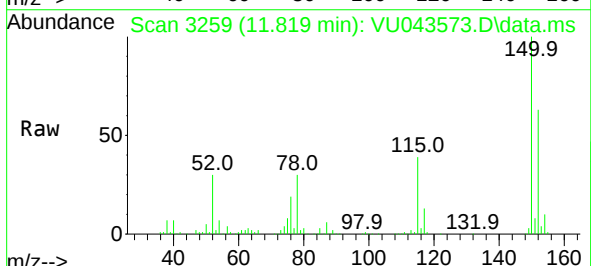
Instrument :
MSVOA_U
ClientSampleId :
VU0506WBL01

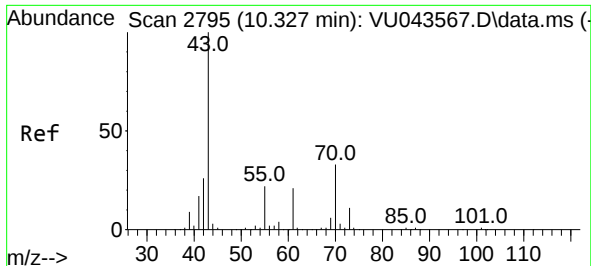
Tgt Ion: 91 Resp: 86
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

Tgt Ion: 152 Resp: 88260
Ion Ratio Lower Upper
152 100
115 60.8 46.1 138.3
150 154.6 0.0 361.0

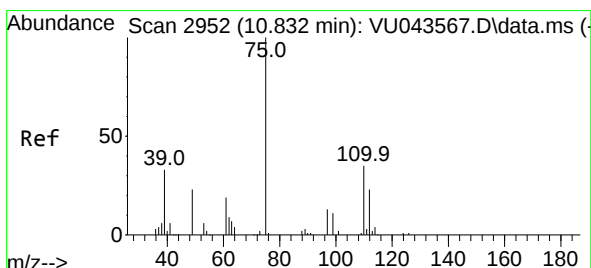
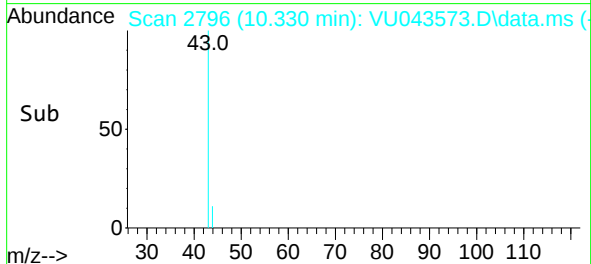
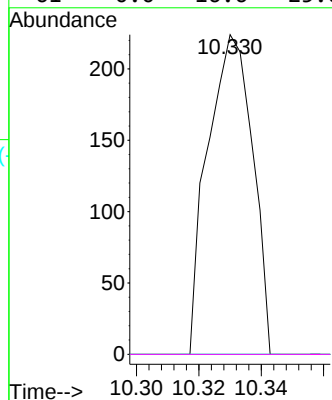
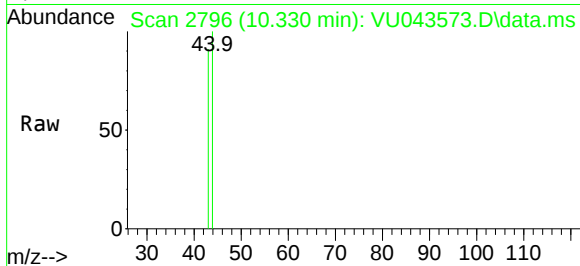




#74
N-amy1 acetate
Concen: 2.56 ug/l
RT: 10.330 min Scan# 2796
Delta R.T. 0.003 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

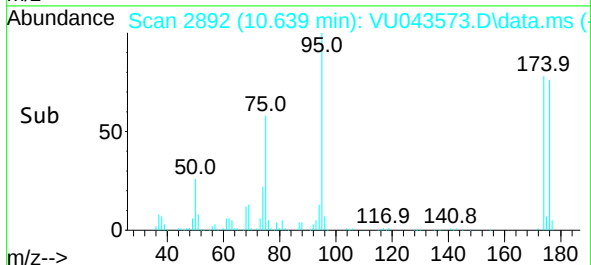
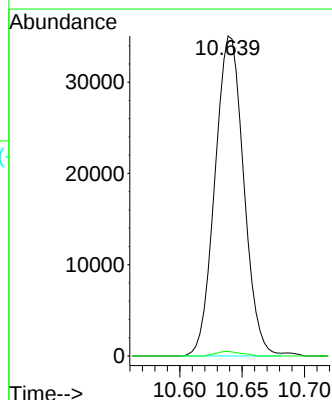
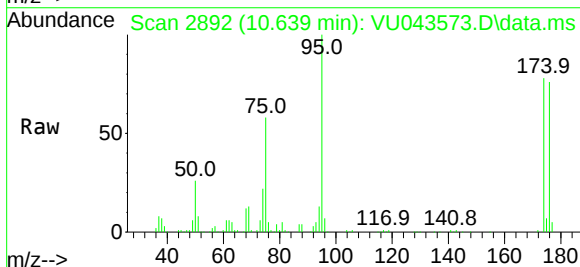
Instrument :
MSVOA_U
ClientSampleId :
VU0506WBL01

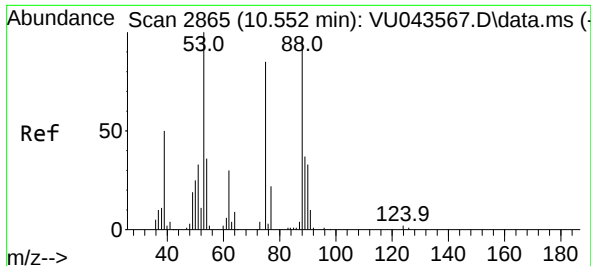
Tgt Ion: 43	Resp: 223
Ion Ratio	Lower Upper
43 100	
70 0.0	26.4 39.6#
55 0.0	18.0 27.0#
61 0.0	16.6 25.0#



#76
1,2,3-Trichloropropane
Concen: 20.07 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

Tgt Ion: 75	Resp: 56313
Ion Ratio	Lower Upper
75 100	
77 1.3	17.1 51.3#

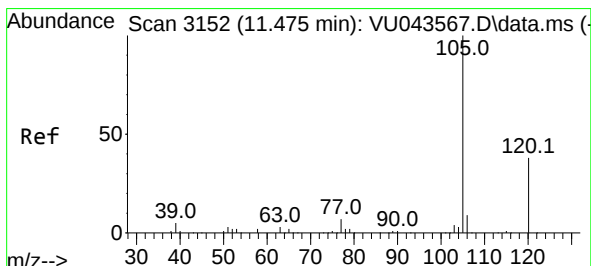
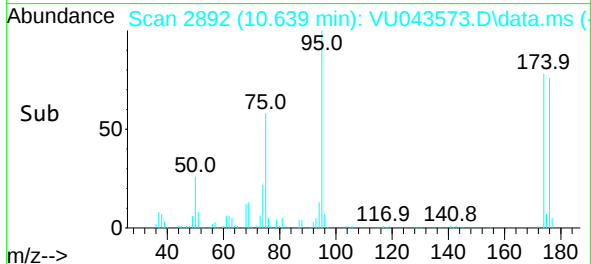
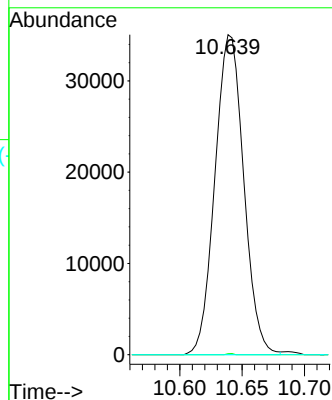
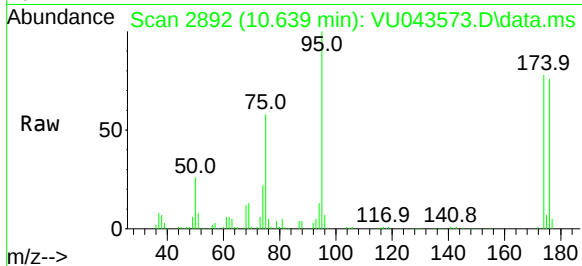




#81
trans-1,4-Dichloro-2-butene
Concen: 65.35 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

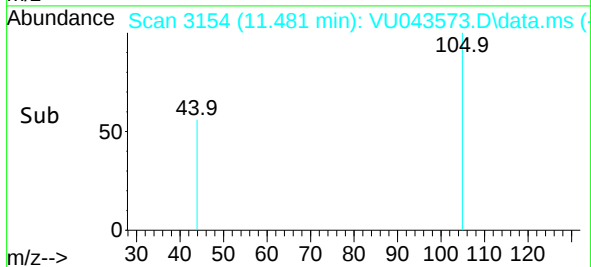
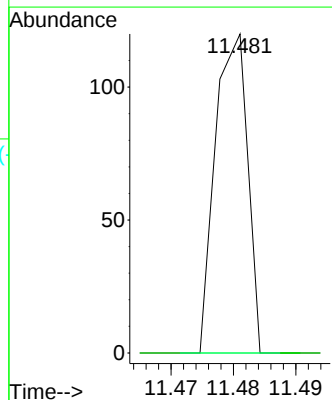
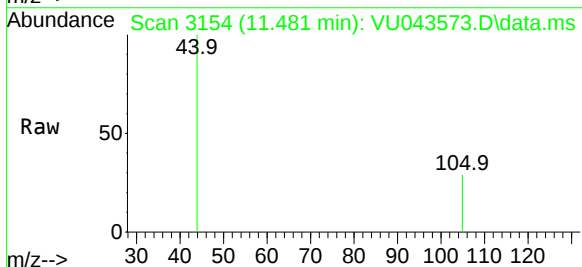
Instrument :
MSVOA_U
ClientSampleId :
VU0506WBL01

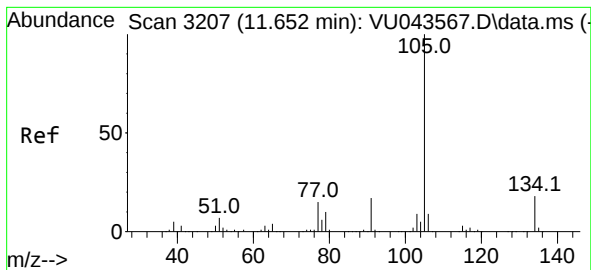
Tgt Ion: 75 Resp: 56313
Ion Ratio Lower Upper
75 100
53 0.1 95.8 143.8#
89 0.0 36.1 54.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.12 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

Tgt Ion: 105 Resp: 43
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#

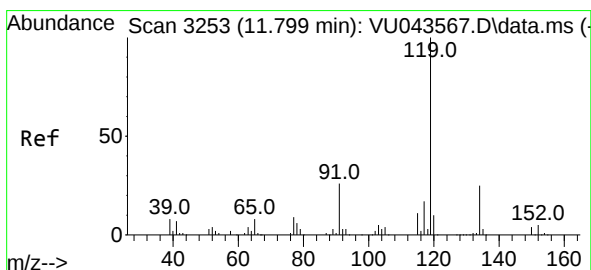
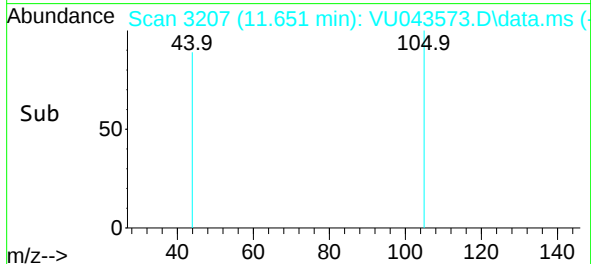
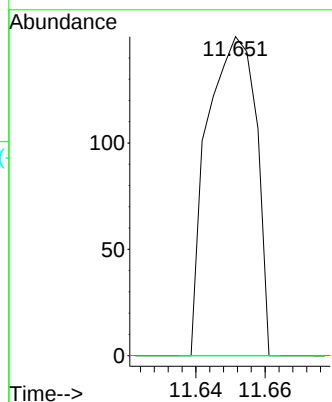
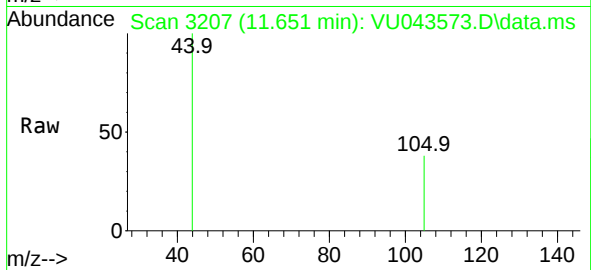




#85
 sec-Butylbenzene
 Concen: 1.36 ug/l
 RT: 11.651 min Scan# 3207
 Delta R.T. -0.001 min
 Lab File: VU043573.D
 Acq: 06 May 2021 11:17

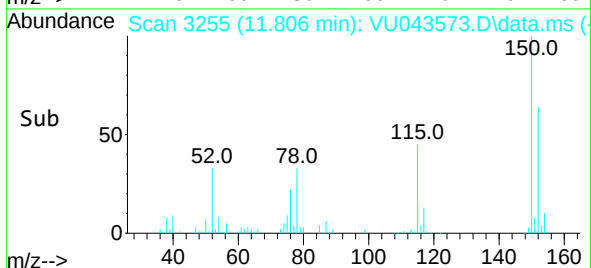
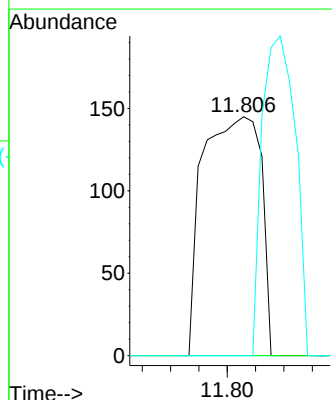
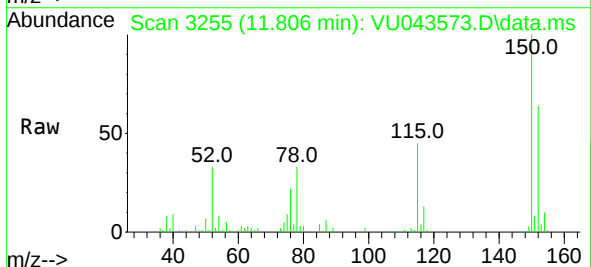
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0506WBL01

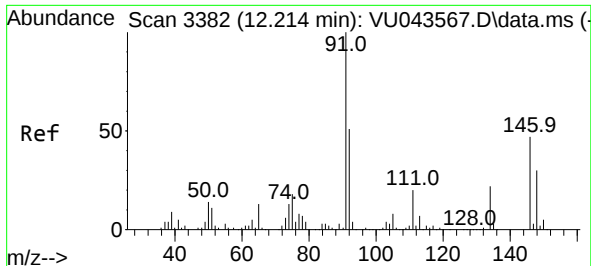
Tgt Ion:105 Resp: 147
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.2 27.6#



#86
 p-Isopropyltoluene
 Concen: 1.50 ug/l
 RT: 11.806 min Scan# 3255
 Delta R.T. 0.007 min
 Lab File: VU043573.D
 Acq: 06 May 2021 11:17

Tgt Ion:119 Resp: 205
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.7 38.0#
 91 76.6 13.3 39.9#

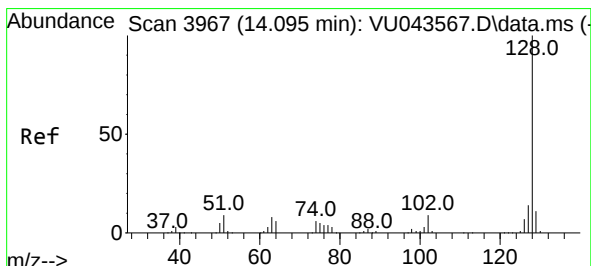
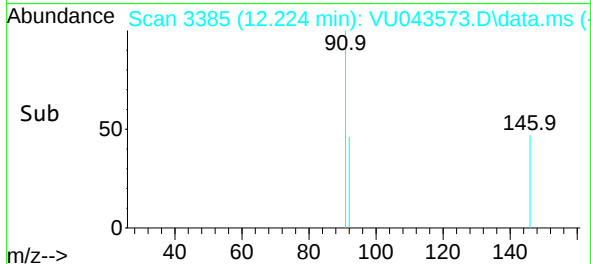
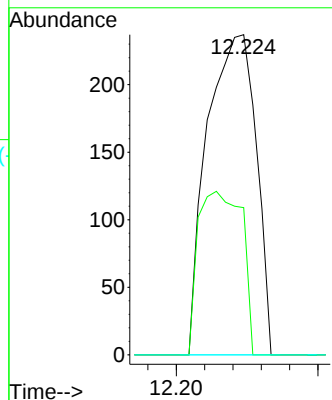
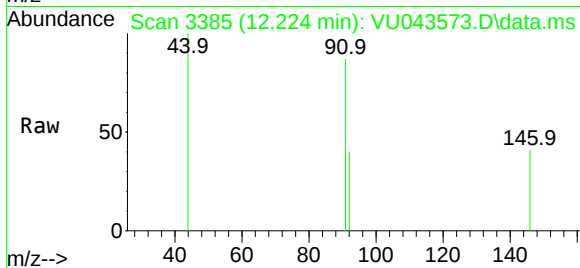




#89
n-Butylbenzene
Concen: 2.57 ug/l
RT: 12.224 min Scan# 3385
Delta R.T. 0.010 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

Instrument :
MSVOA_U
ClientSampleId :
VU0506WBL01

Tgt Ion: 91 Resp: 282
Ion Ratio Lower Upper
91 100
92 46.1 25.4 76.2
134 0.0 11.3 33.9#



#95
Naphthalene
Concen: 1.82 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU043573.D
Acq: 06 May 2021 11:17

Tgt Ion:128 Resp: 2265
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 3.8 8.6 12.8#

