

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040521\
 Data File : VU042923.D
 Acq On : 05 Apr 2021 12:13
 Operator : SY/MD
 Sample : VU0405MBL01
 Misc : 5.0g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 01:16:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

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

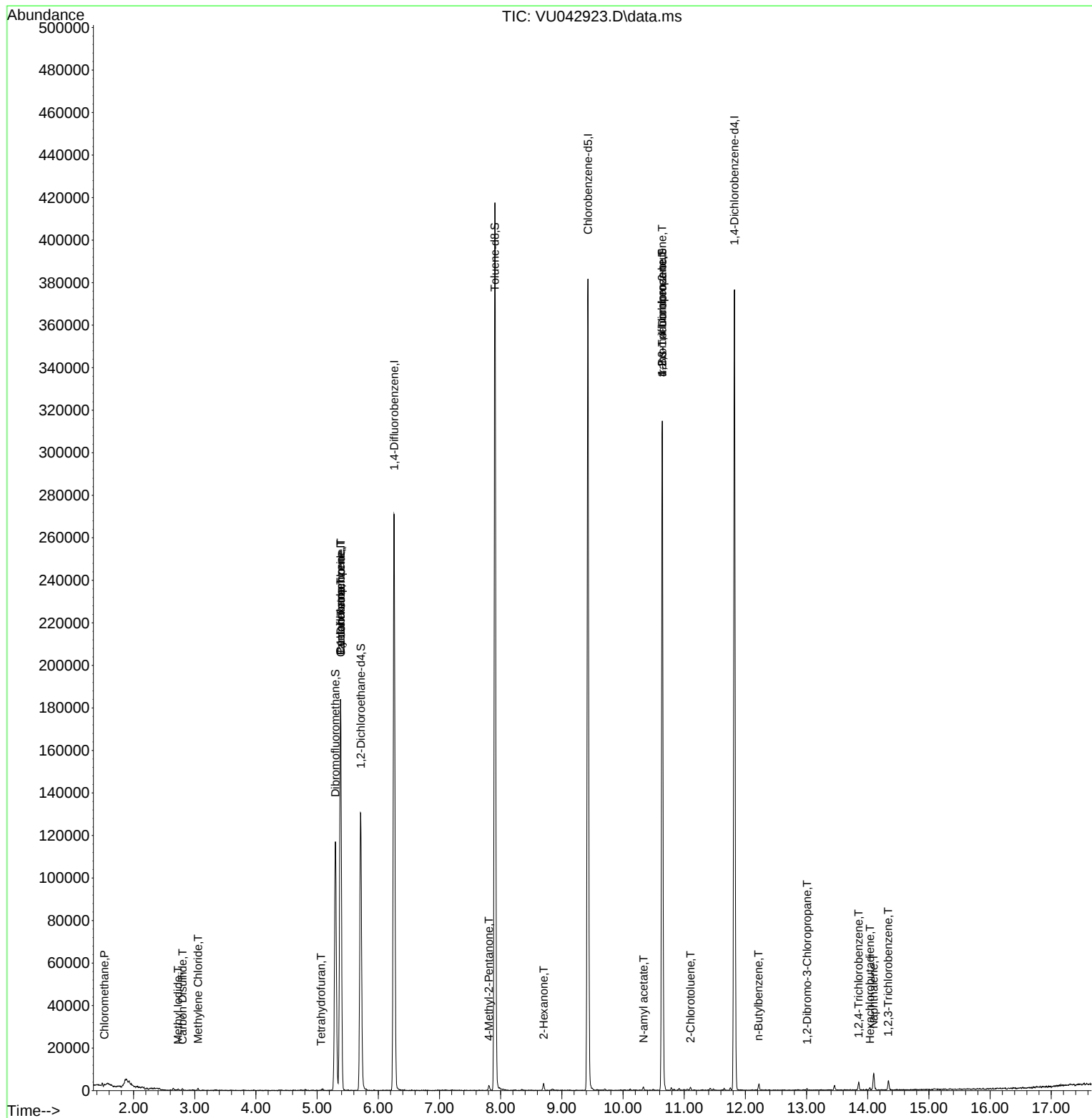
Internal Standards						
1) Pentafluorobenzene	5.382	168	128249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	204633	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.426	117	195739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	93913	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	102533	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
35) Dibromofluoromethane	5.298	113	72513	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
50) Toluene-d8	7.906	98	257558	47.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	10.642	95	92386	44.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.50%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	534	0.33	ug/l	98
5) Bromomethane	1.861	94	344	Below Cal		99
6) Chloroethane	1.932	64	90	Below Cal	#	43
10) Methyl Iodide	2.726	142	552	0.33	ug/l #	90
16) Acetone	2.645	43	963	Below Cal	#	86
17) Carbon Disulfide	2.800	76	699	0.21	ug/l #	44
20) Methylene Chloride	3.054	84	362	0.25	ug/l #	68
29) Tetrahydrofuran	5.066	42	303	0.29	ug/l #	43
31) Cyclohexane	5.382	56	3242	1.27	ug/l #	25
36) 1,1-Dichloropropene	5.382	75	10515	5.20	ug/l #	51
38) Carbon Tetrachloride	5.385	117	13146	5.69	ug/l #	17
51) 4-Methyl-2-Pentanone	7.806	43	1840	0.56	ug/l	95
59) 2-Hexanone	8.703	43	2384	0.91	ug/l	99
74) N-amyl acetate	10.336	43	916	0.27	ug/l #	81
76) 1,2,3-Trichloropropane	10.642	75	52792	22.10	ug/l #	38
79) 2-Chlorotoluene	11.105	91	852	0.20	ug/l	75
81) trans-1,4-Dichloro-2-b...	10.642	75	52792	65.49	ug/l #	6
89) n-Butylbenzene	12.214	91	1121	0.22	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	13.008	75	159	0.25	ug/l	71
93) 1,2,4-Trichlorobenzene	13.851	180	1411	0.74	ug/l	88
94) Hexachlorobutadiene	14.037	225	357	0.32	ug/l	65
95) Naphthalene	14.098	128	6917	3.61	ug/l	99
96) 1,2,3-Trichlorobenzene	14.336	180	1624	0.84	ug/l	99

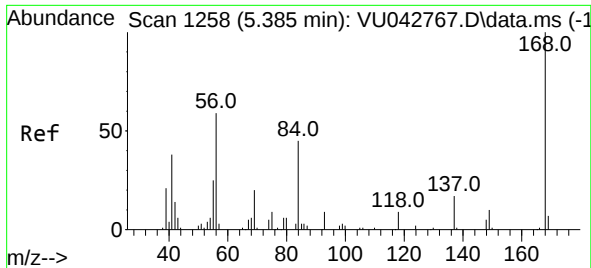
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040521\
Data File : VU042923.D
Acq On : 05 Apr 2021 12:13
Operator : SY/MD
Sample : VU0405MBL01
Misc : 5.0g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Apr 06 01:16:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 25 05:42:00 2021
Response via : Initial Calibration

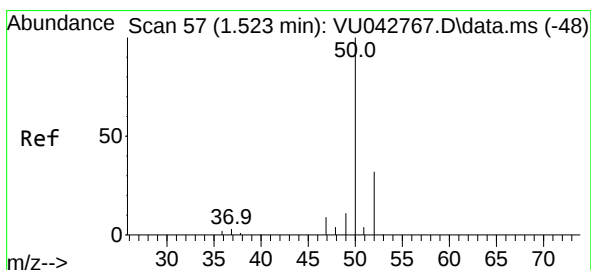
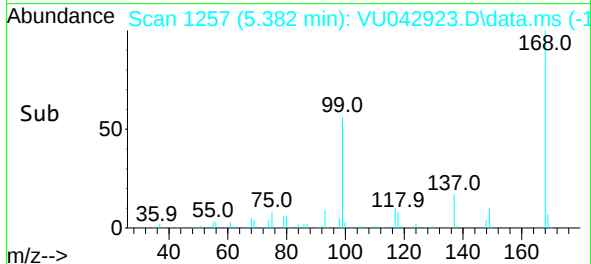
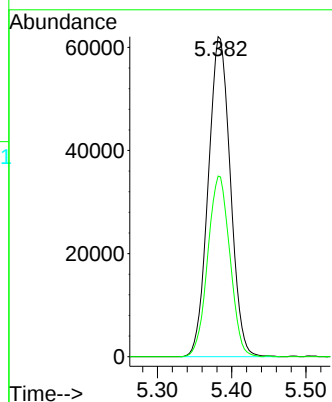
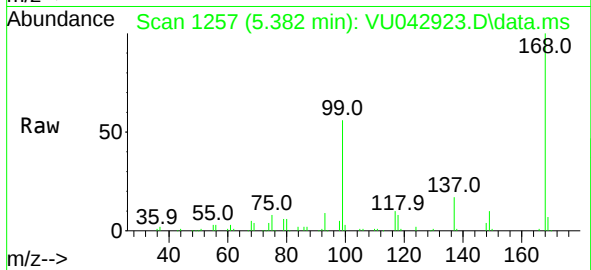




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

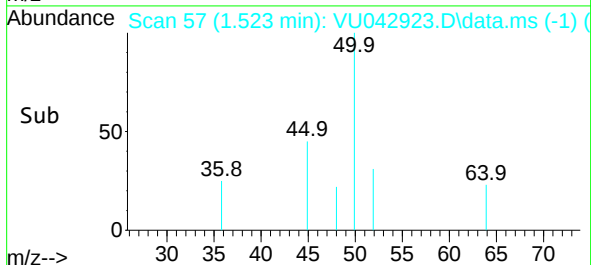
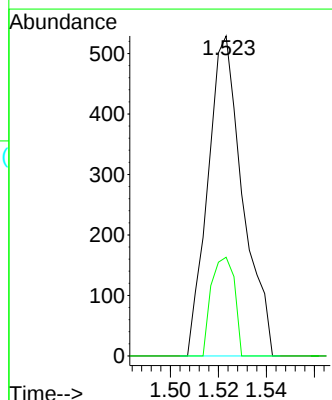
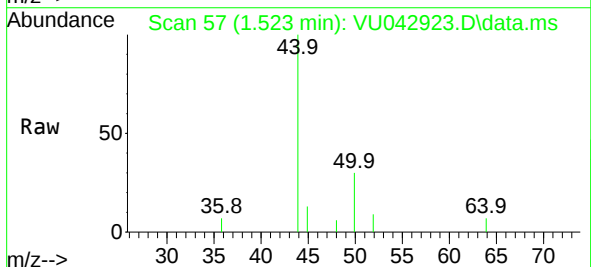
Instrument :
MSVOA_U
ClientSampleId :

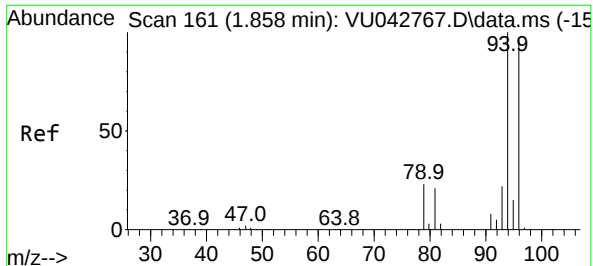
Tgt Ion:168 Resp: 128249
Ion Ratio Lower Upper
168 100
99 56.4 46.4 69.6



#3
Chloromethane
Concen: 0.33 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

Tgt Ion: 50 Resp: 534
Ion Ratio Lower Upper
50 100
52 30.8 25.4 38.0

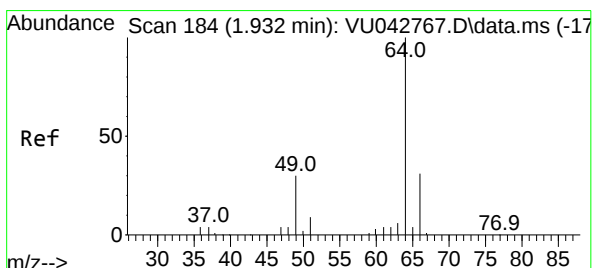
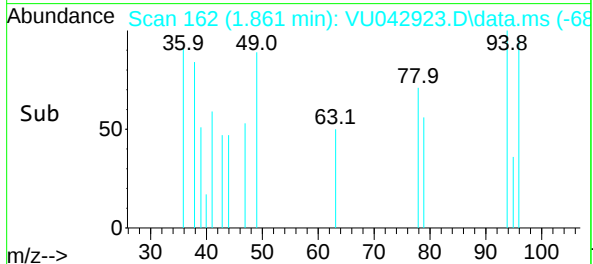
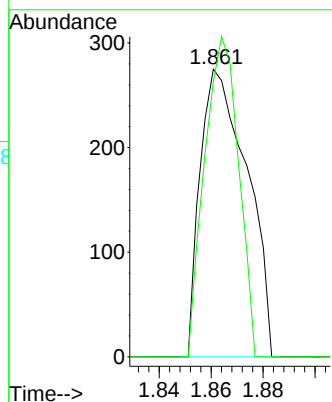
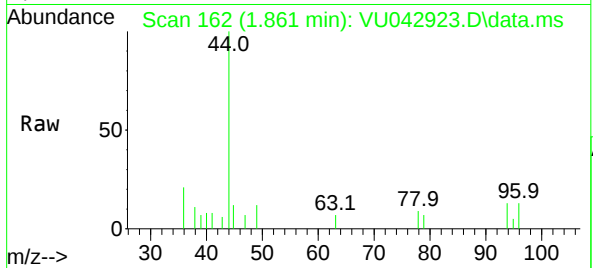




#5
Bromomethane
Concen: Below Cal
RT: 1.861 min Scan# 162
Delta R.T. 0.003 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

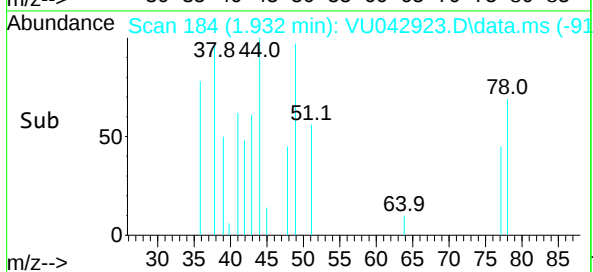
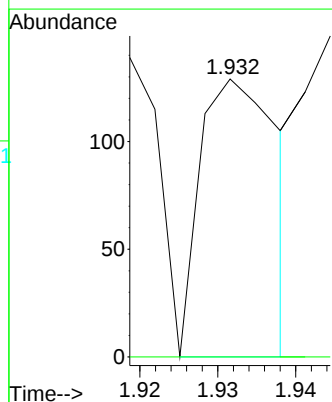
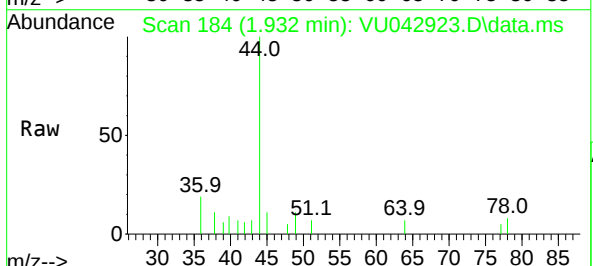
Instrument :
MSVOA_U
ClientSampleId :

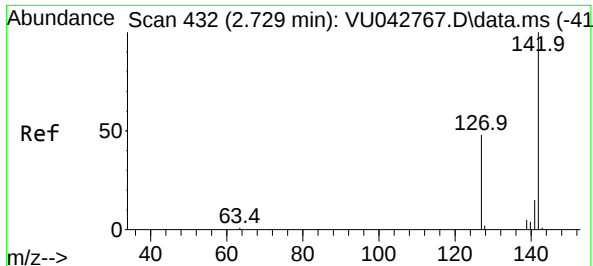
Tgt Ion: 94 Resp: 344
Ion Ratio Lower Upper
94 100
96 95.6 77.1 115.7



#6
Chloroethane
Concen: Below Cal
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

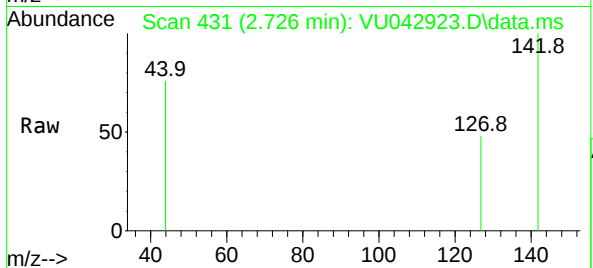
Tgt Ion: 64 Resp: 90
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



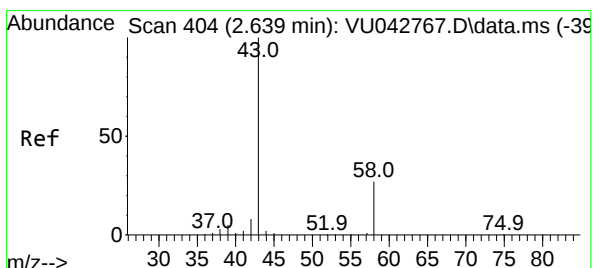
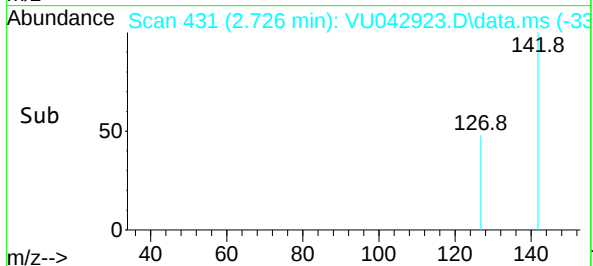
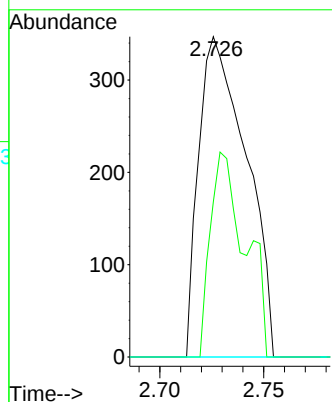


#10
Methyl Iodide
Concen: 0.33 ug/l
RT: 2.726 min Scan# 431
Delta R.T. -0.003 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

Instrument :
MSVOA_U
ClientSampleId :

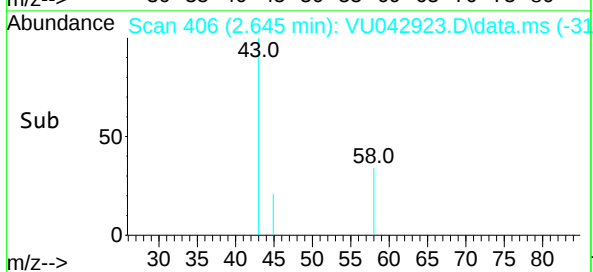
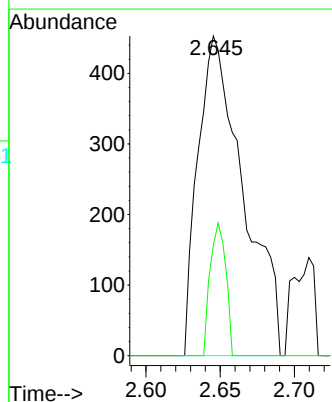
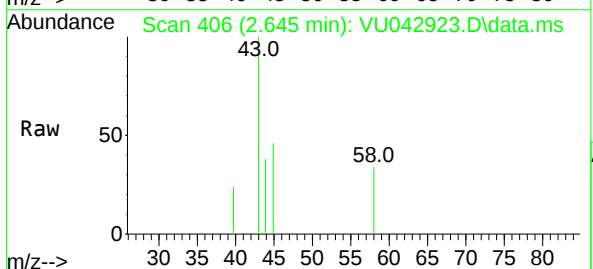


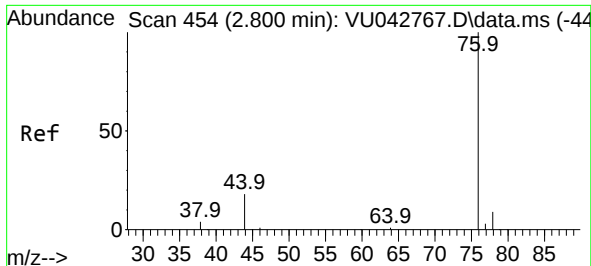
Tgt Ion:142 Resp: 552
Ion Ratio Lower Upper
142 100
127 46.9 38.7 58.1
141 0.0 12.0 18.0#



#16
Acetone
Concen: Below Cal
RT: 2.645 min Scan# 406
Delta R.T. 0.006 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

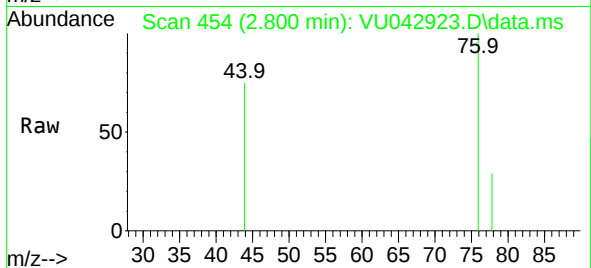
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 34.4 21.6 32.4#



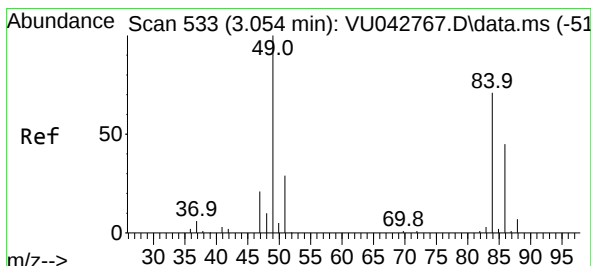
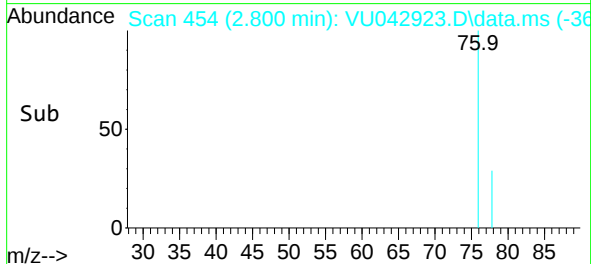
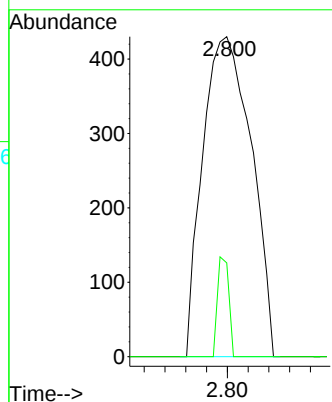


#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

Instrument :
MSVOA_U
ClientSampled :

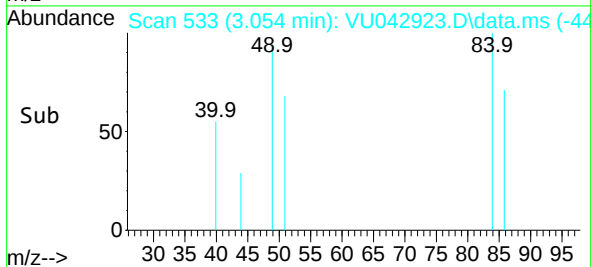
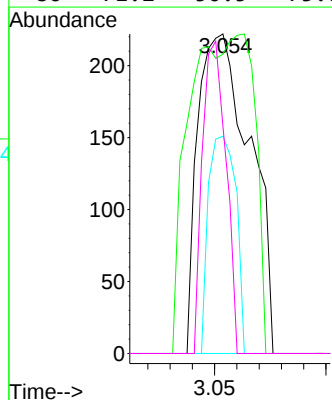
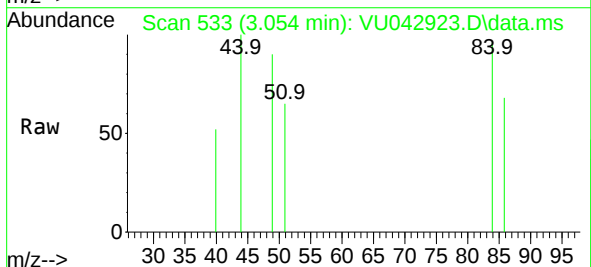


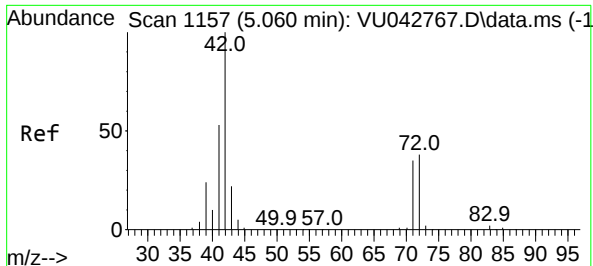
Tgt Ion: 76 Resp: 699
Ion Ratio Lower Upper
76 100
78 29.3 7.3 10.9#



#20
Methylene Chloride
Concen: 0.25 ug/l
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

Tgt Ion: 84 Resp: 362
Ion Ratio Lower Upper
84 100
49 93.7 113.0 169.4#
51 68.0 32.9 49.3#
86 71.2 50.5 75.7





#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 5.066 min Scan# 1159

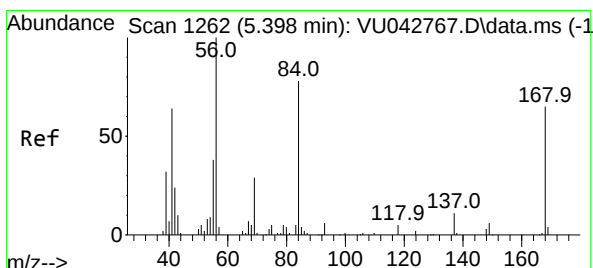
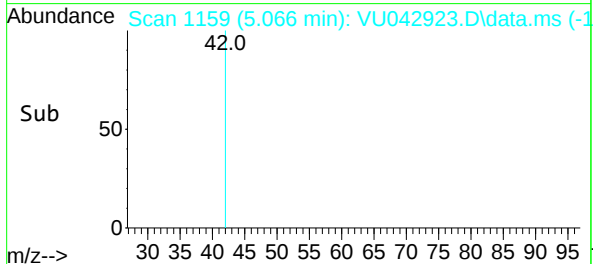
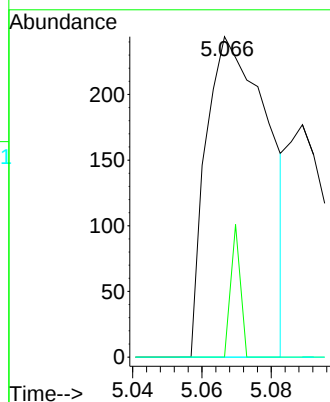
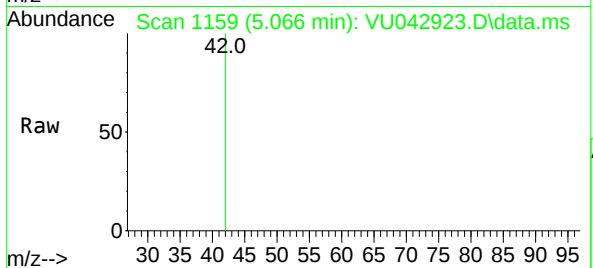
Delta R.T. 0.006 min

Lab File: VU042923.D

Acq: 05 Apr 2021 12:13

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 42	Resp: 303
Ion Ratio	Lower Upper
42	100
72	6.3 30.2 45.4#
71	0.0 28.6 42.8#



#31

Cyclohexane

Concen: 1.27 ug/l

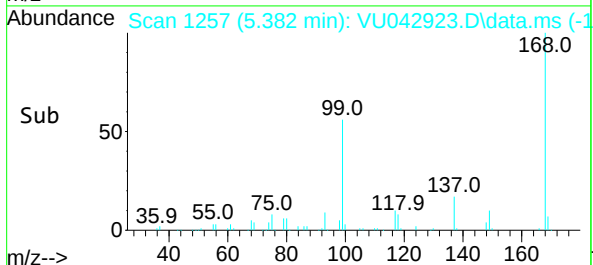
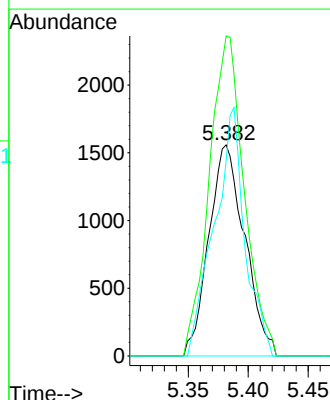
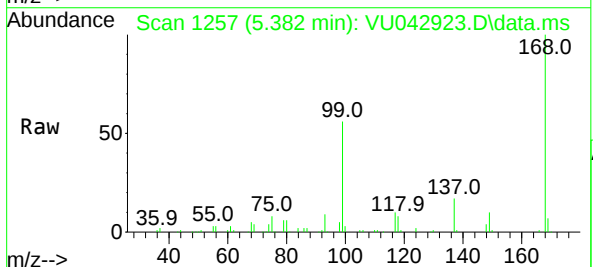
RT: 5.382 min Scan# 1257

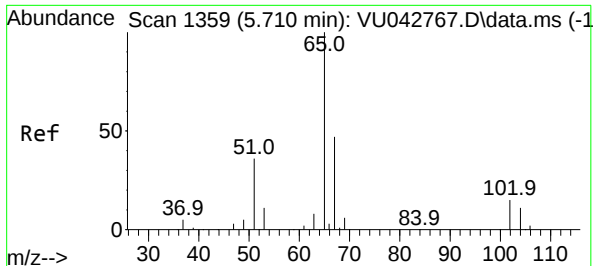
Delta R.T. -0.016 min

Lab File: VU042923.D

Acq: 05 Apr 2021 12:13

Tgt Ion: 56	Resp: 3242
Ion Ratio	Lower Upper
56	100
69	151.7 23.3 34.9#
84	92.4 62.2 93.4





#33

1,2-Dichloroethane-d4

Concen: 50.15 ug/l

RT: 5.713 min Scan# 1360

Delta R.T. 0.003 min

Lab File: VU042923.D

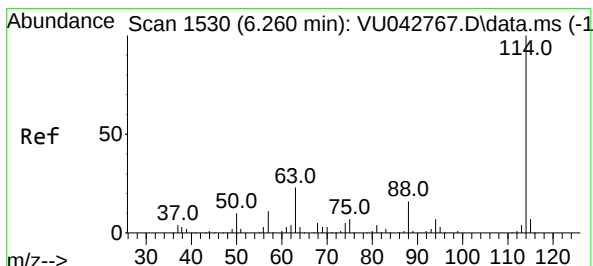
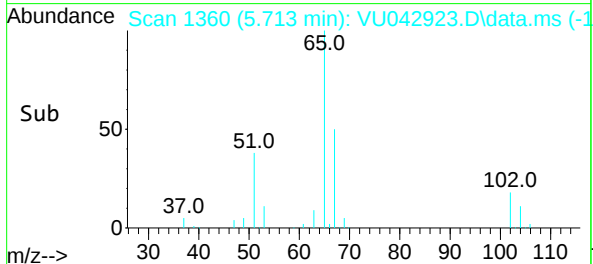
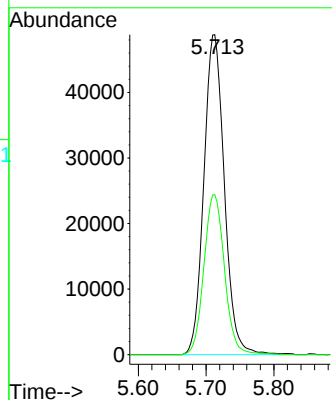
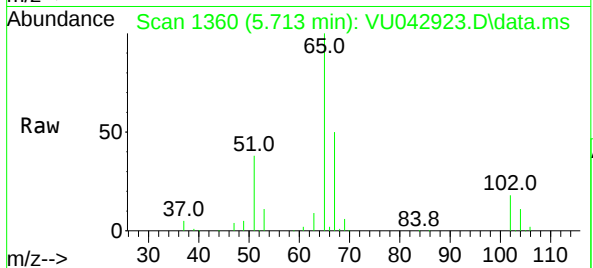
Acq: 05 Apr 2021 12:13

Tgt Ion: 65 Resp: 102533

Ion Ratio Lower Upper

65 100

67 50.3 0.0 98.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.259 min Scan# 1530

Delta R.T. -0.001 min

Lab File: VU042923.D

Acq: 05 Apr 2021 12:13

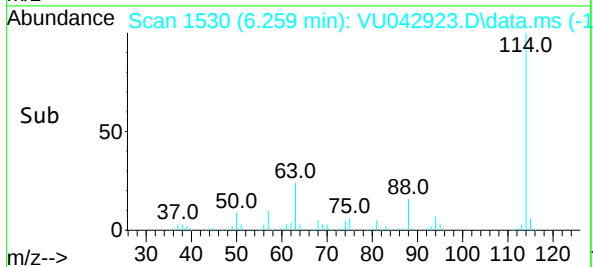
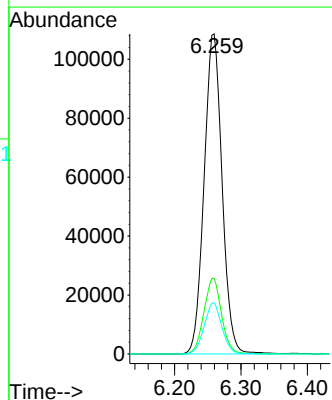
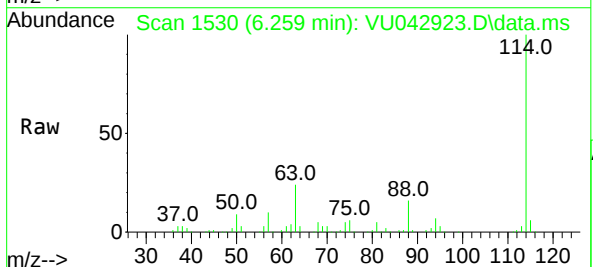
Tgt Ion: 114 Resp: 204633

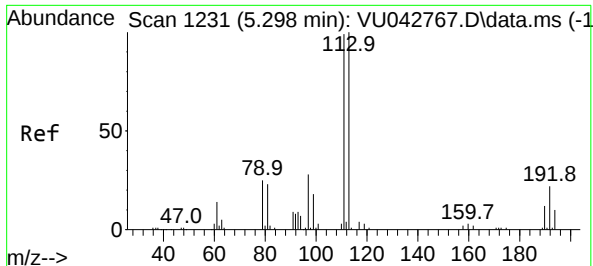
Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.8

88 16.0 0.0 32.2

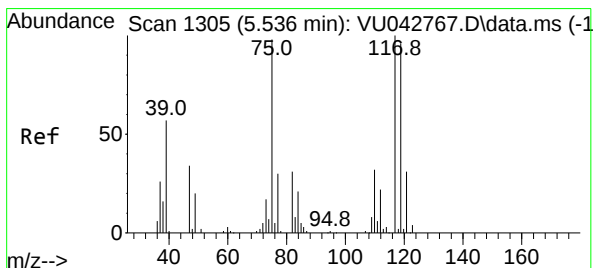
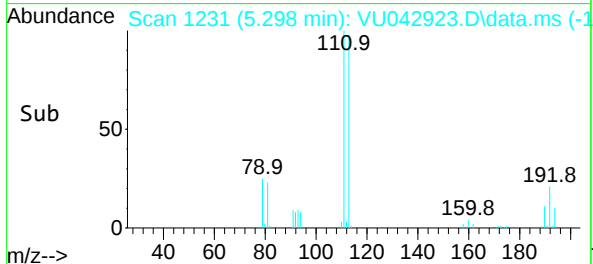
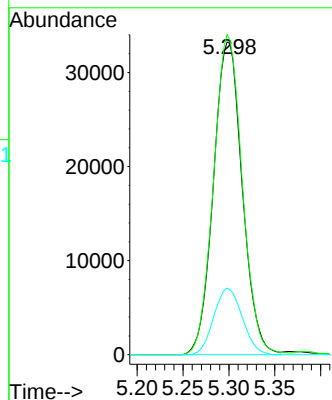
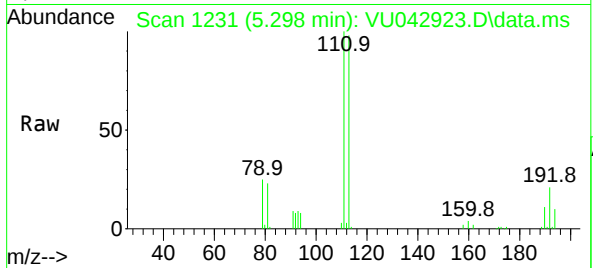




#35
Dibromofluoromethane
Concen: 47.48 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

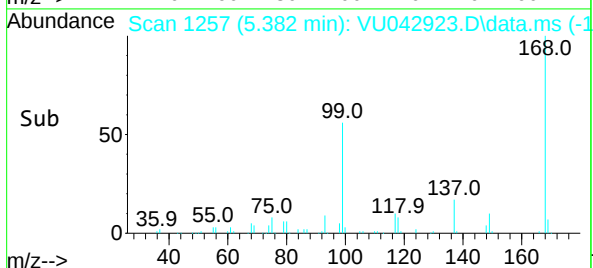
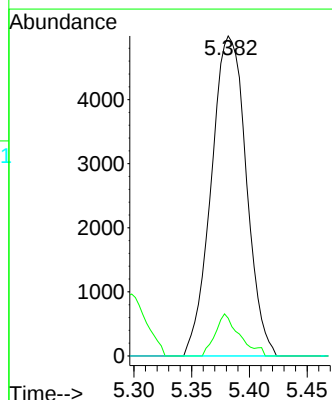
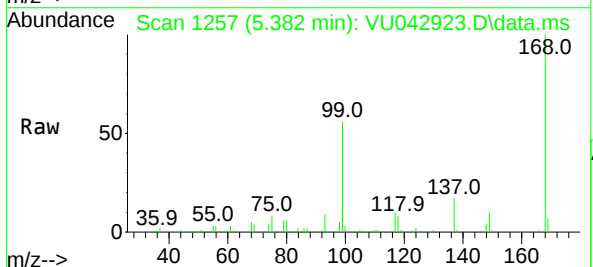
Instrument :
MSVOA_U
ClientSampled :

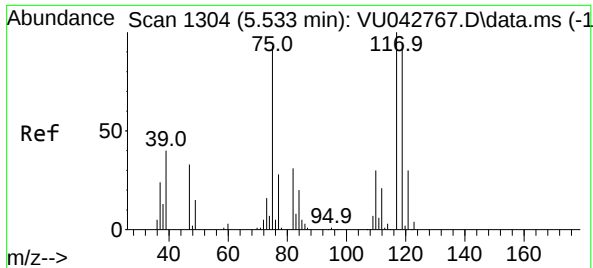
Tgt Ion:113 Resp: 72513
Ion Ratio Lower Upper
113 100
111 101.8 82.1 123.1
192 21.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.20 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.155 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

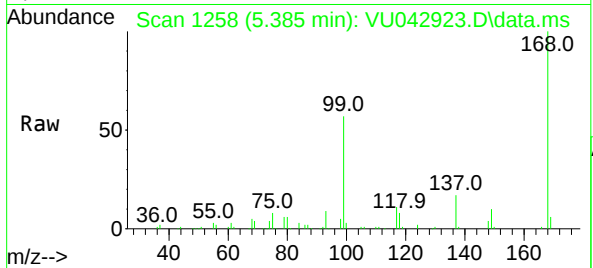
Tgt Ion: 75 Resp: 10515
Ion Ratio Lower Upper
75 100
110 9.1 16.6 49.7#
77 0.0 24.7 37.1#



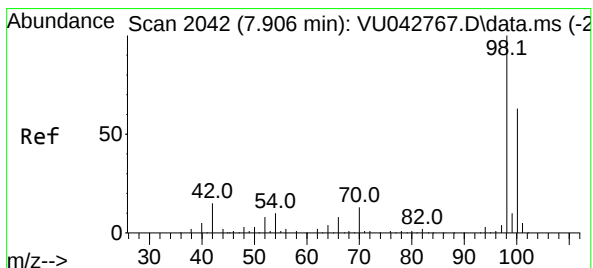
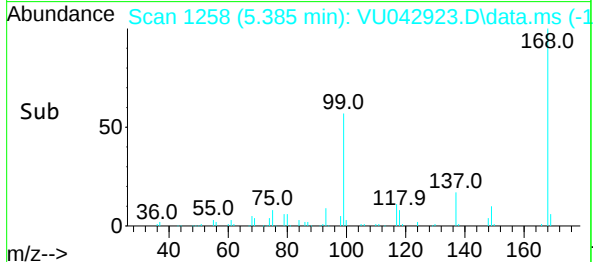
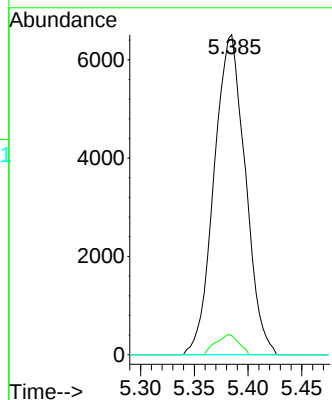


#38
Carbon Tetrachloride
Concen: 5.69 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

Instrument :
MSVOA_U
ClientSampled :

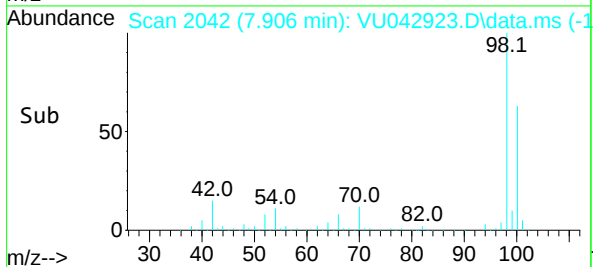
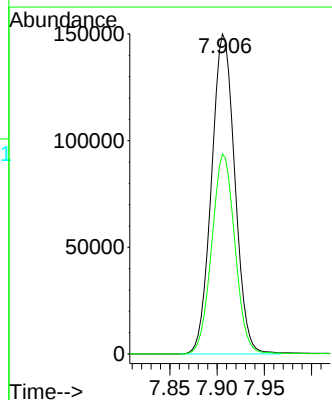
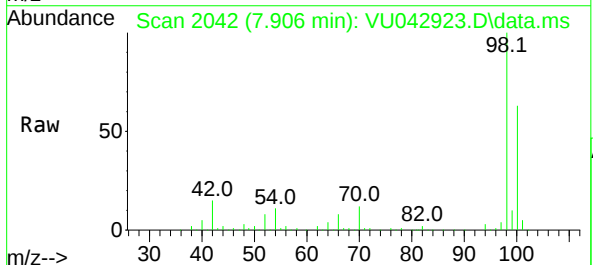


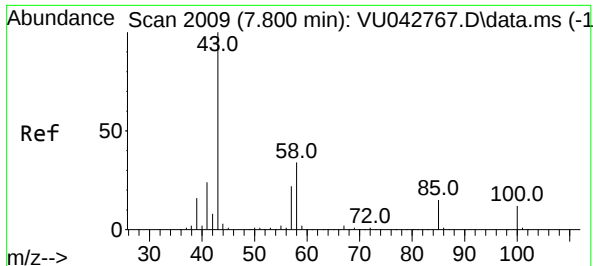
Tgt Ion:117 Resp: 13146
Ion Ratio Lower Upper
117 100
119 6.0 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 47.94 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

Tgt Ion: 98 Resp: 257558
Ion Ratio Lower Upper
98 100
100 62.2 50.4 75.6

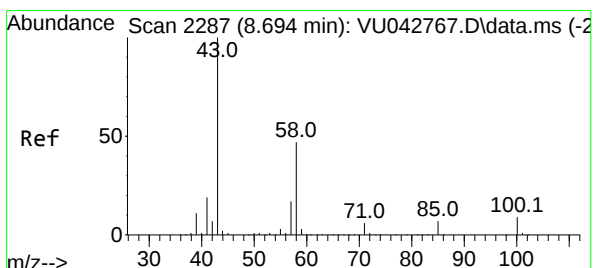
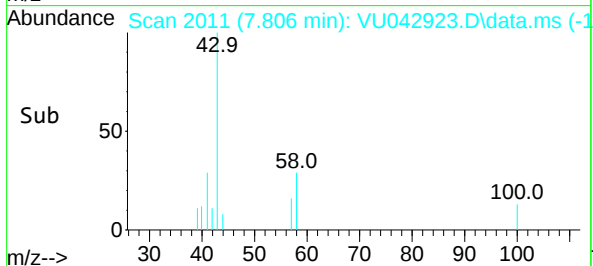
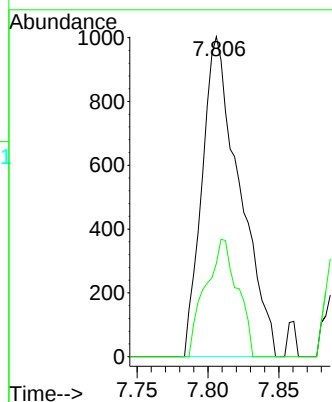
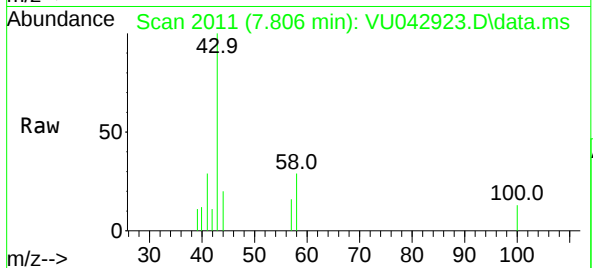




#51
4-Methyl-2-Pentanone
Concen: 0.56 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.006 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

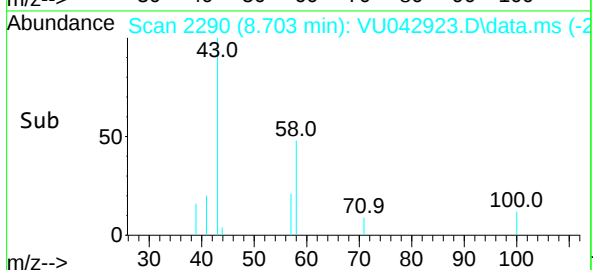
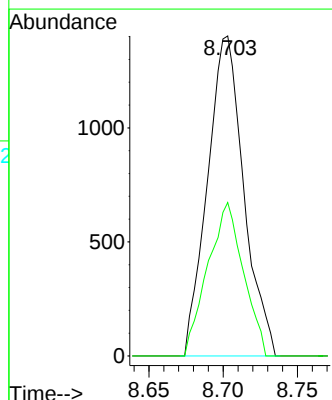
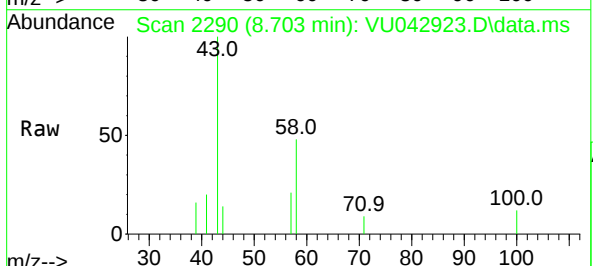
Instrument :
MSVOA_U
ClientSampled :

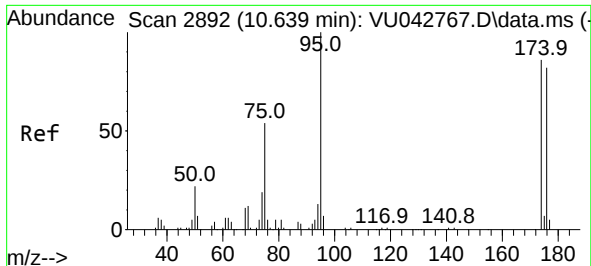
Tgt Ion: 43 Resp: 1840
Ion Ratio Lower Upper
43 100
58 31.3 27.4 41.2



#59
2-Hexanone
Concen: 0.91 ug/l
RT: 8.703 min Scan# 2290
Delta R.T. 0.009 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

Tgt Ion: 43 Resp: 2384
Ion Ratio Lower Upper
43 100
58 47.0 23.8 71.2

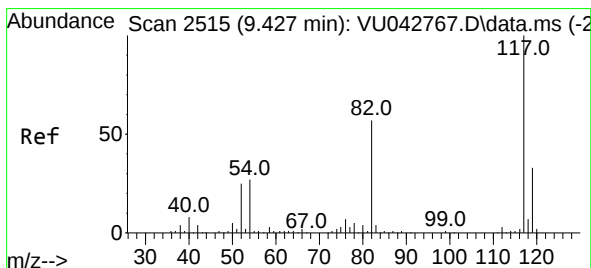
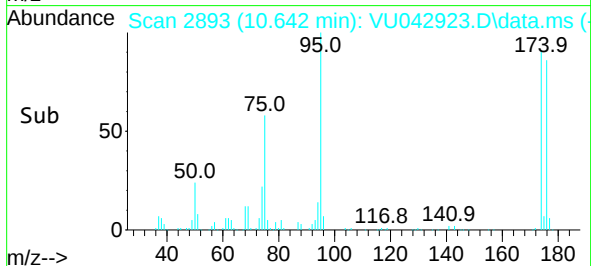
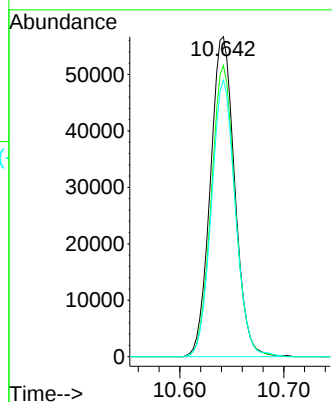
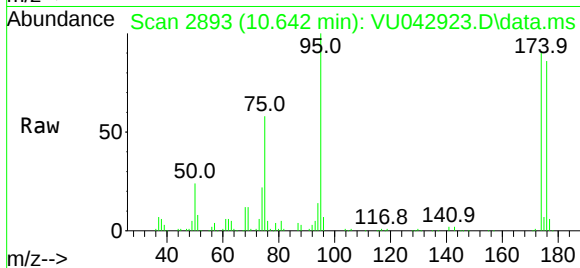




#62
4-Bromofluorobenzene
Concen: 44.25 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

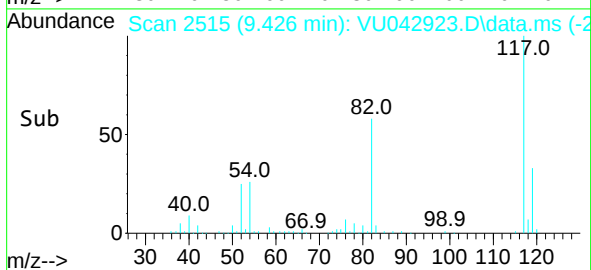
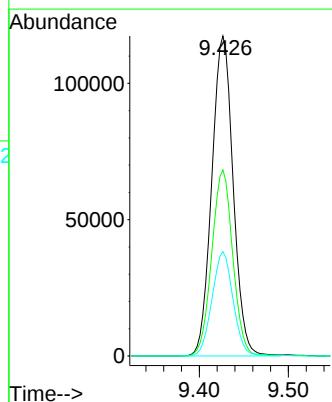
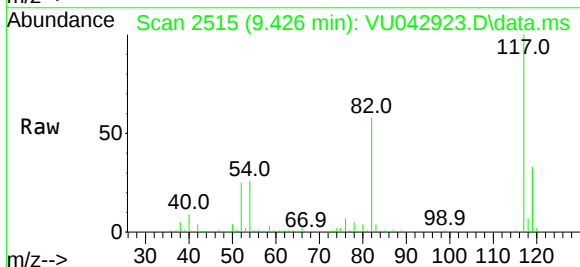
Instrument :
MSVOA_U
ClientSampleId :

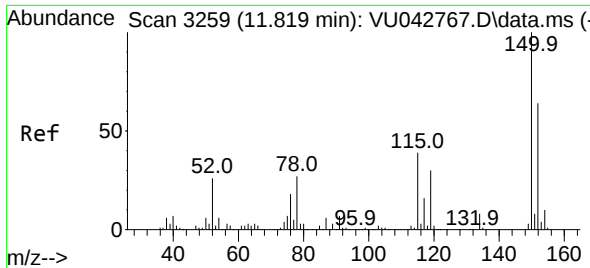
Tgt Ion: 95 Resp: 92386
Ion Ratio Lower Upper
95 100
174 88.9 0.0 175.2
176 85.1 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.426 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

Tgt Ion: 117 Resp: 195739
Ion Ratio Lower Upper
117 100
82 58.2 45.5 68.3
119 32.6 26.2 39.4

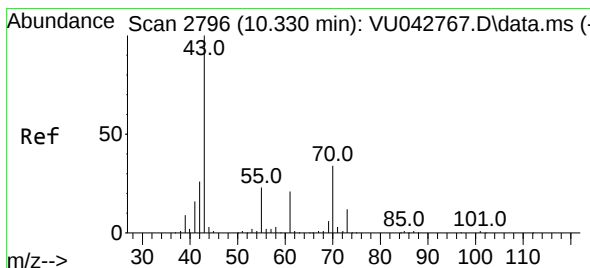
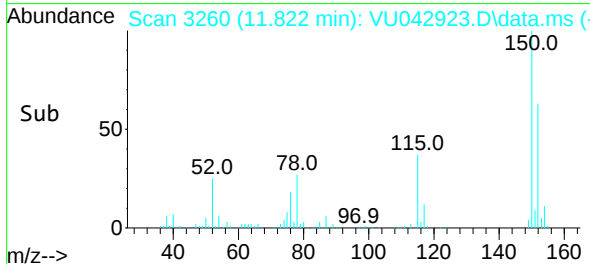
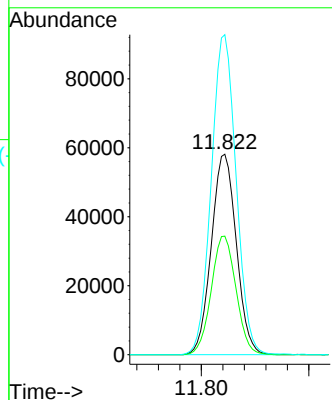
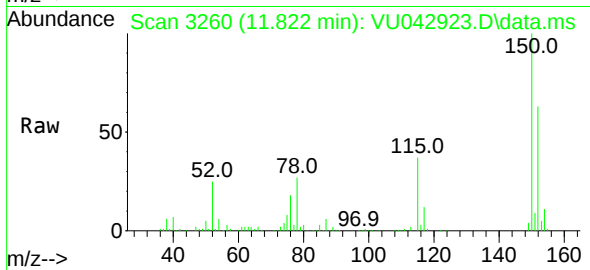




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.822 min Scan# 3260
 Delta R.T. 0.003 min
 Lab File: VU042923.D
 Acq: 05 Apr 2021 12:13

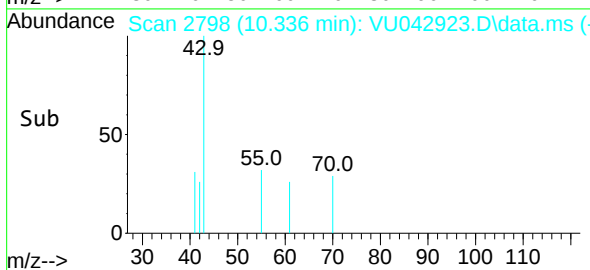
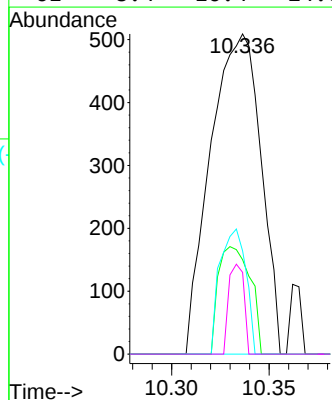
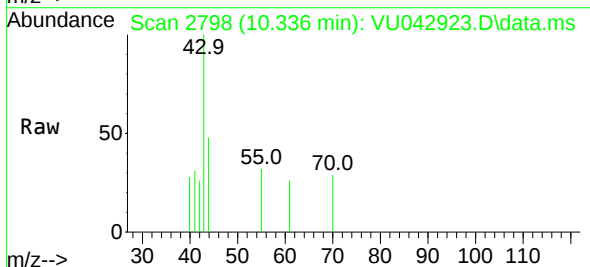
Instrument :
 MSVOA_U
 ClientSampleId :

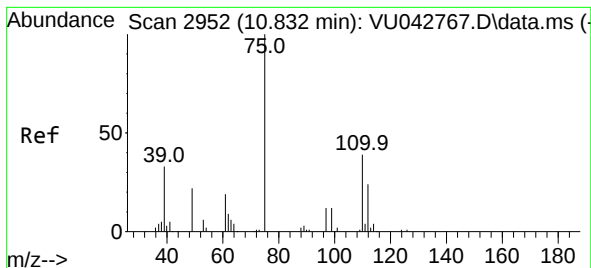
Tgt Ion:152 Resp: 93913
 Ion Ratio Lower Upper
 152 100
 115 58.5 41.0 123.0
 150 158.6 0.0 341.0



#74
 N-ethyl acetate
 Concen: 0.27 ug/l
 RT: 10.336 min Scan# 2798
 Delta R.T. 0.006 min
 Lab File: VU042923.D
 Acq: 05 Apr 2021 12:13

Tgt Ion: 43 Resp: 916
 Ion Ratio Lower Upper
 43 100
 70 21.2 27.8 41.6#
 55 20.1 18.4 27.6
 61 8.4 16.4 24.6#





#76

1,2,3-Trichloropropane

Concen: 22.10 ug/l

RT: 10.642 min Scan# 2893

Delta R.T. -0.190 min

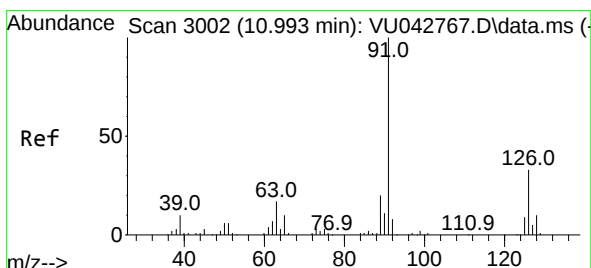
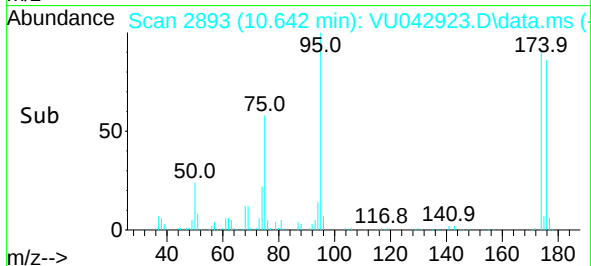
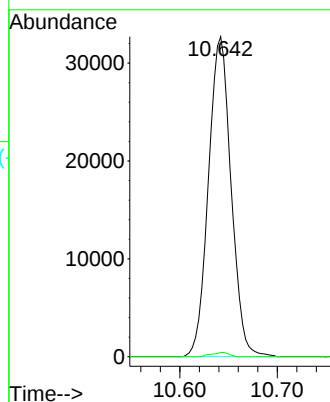
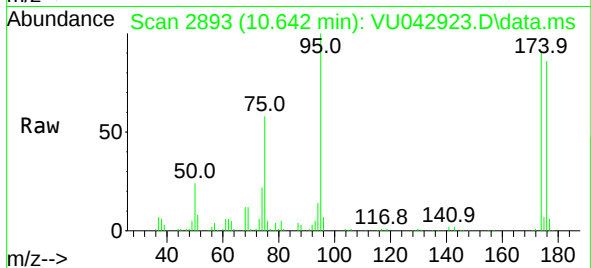
Lab File: VU042923.D

Acq: 05 Apr 2021 12:13

Tgt Ion: 75 Resp: 52792

Ion Ratio Lower Upper

75 100
77 1.0 19.6 58.8#



#79

2-Chlorotoluene

Concen: 0.20 ug/l

RT: 11.105 min Scan# 3037

Delta R.T. 0.112 min

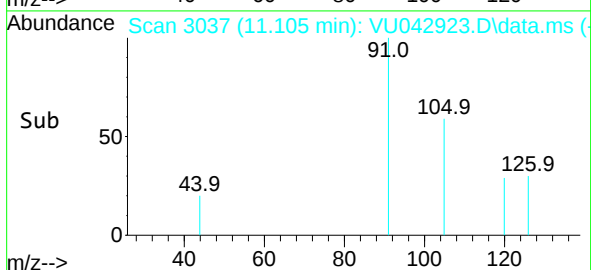
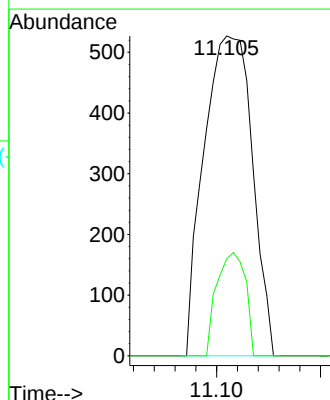
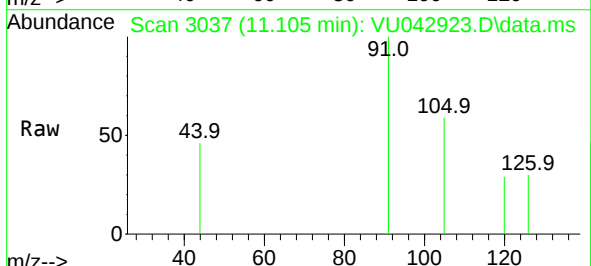
Lab File: VU042923.D

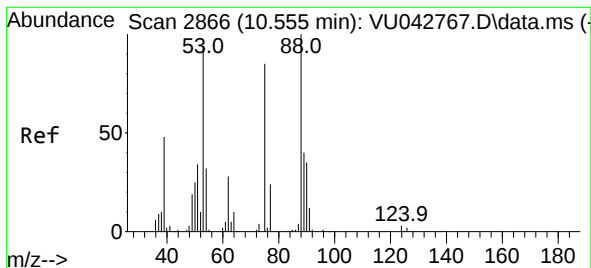
Acq: 05 Apr 2021 12:13

Tgt Ion: 91 Resp: 852

Ion Ratio Lower Upper

91 100
126 19.0 16.7 50.1

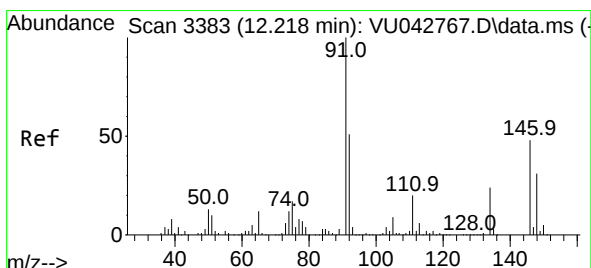
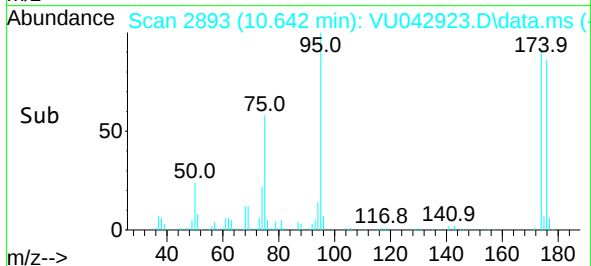
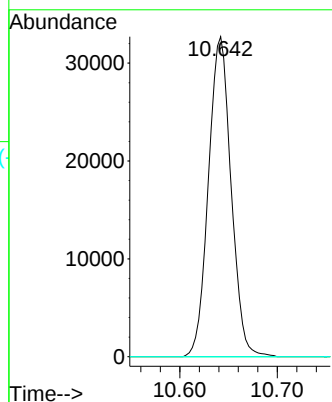
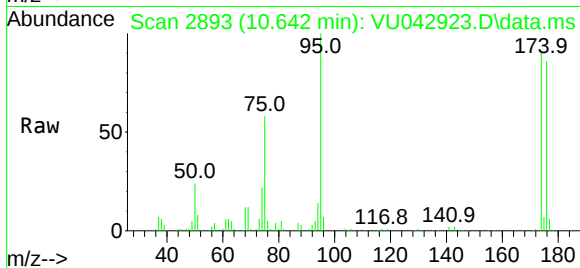




#81
trans-1,4-Dichloro-2-butene
Concen: 65.49 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.087 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

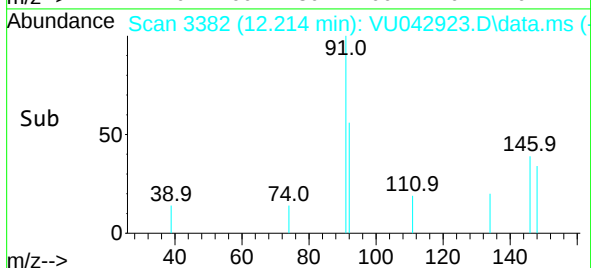
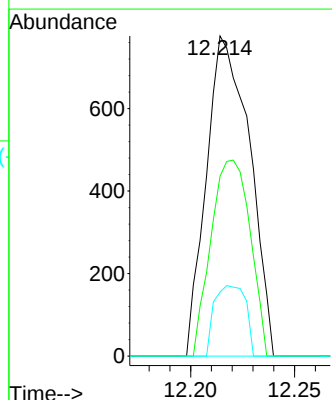
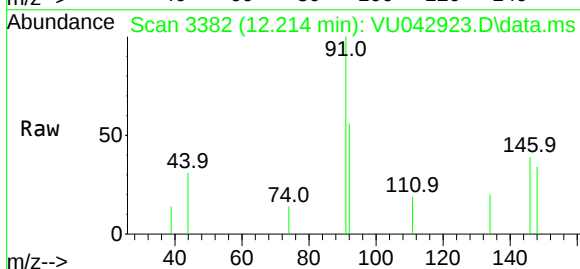
Instrument :
MSVOA_U
ClientSampled :

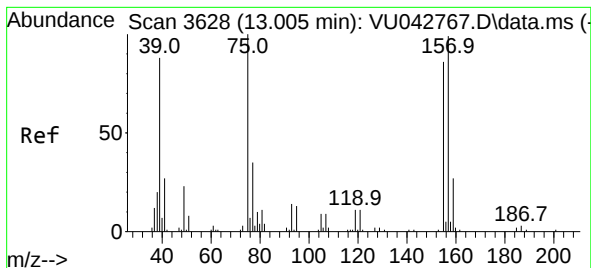
Tgt Ion: 75 Resp: 52792
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#



#89
n-Butylbenzene
Concen: 0.22 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. -0.003 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

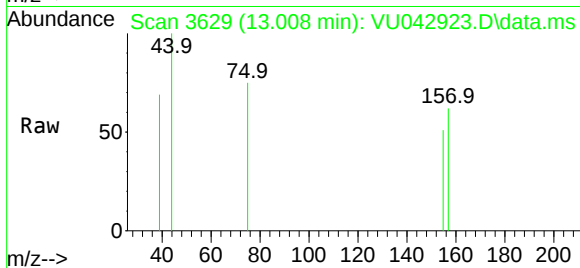
Tgt Ion: 91 Resp: 1121
Ion Ratio Lower Upper
91 100
92 55.4 25.7 77.1
134 15.9 12.1 36.3



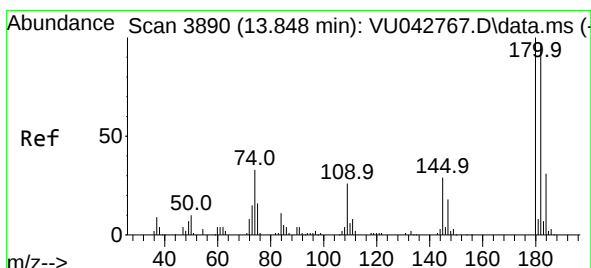
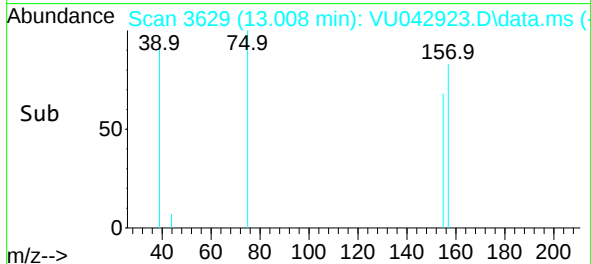
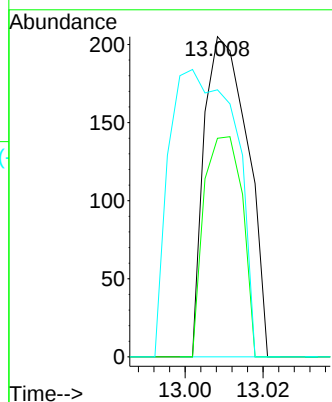


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.25 ug/l
RT: 13.008 min Scan# 3629
Delta R.T. 0.003 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

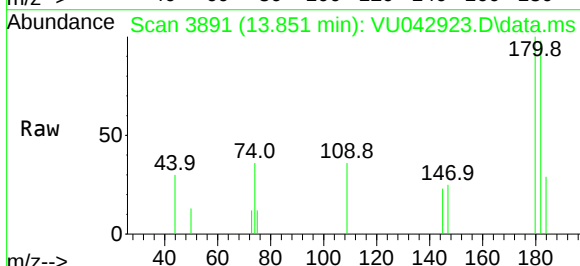
Instrument :
MSVOA_U
ClientSampleId :



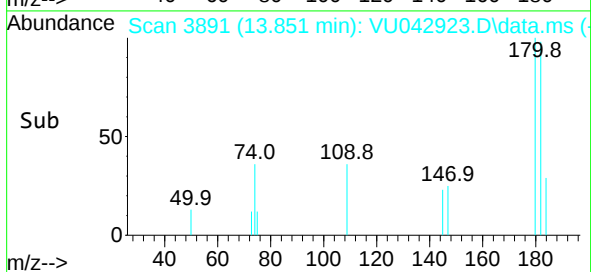
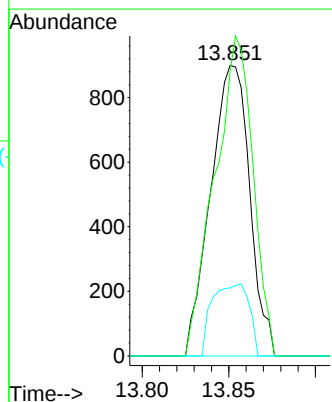
Tgt Ion: 75 Resp: 159
Ion Ratio Lower Upper
75 100
155 60.4 40.8 122.5
157 136.5 51.4 154.3

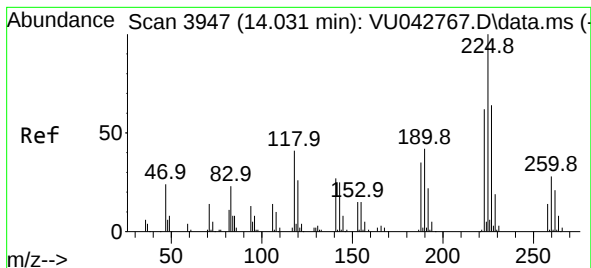


#93
1,2,4-Trichlorobenzene
Concen: 0.74 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13



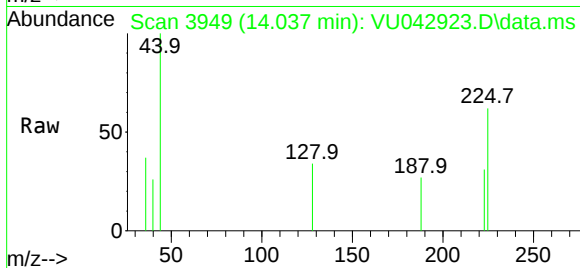
Tgt Ion: 180 Resp: 1411
Ion Ratio Lower Upper
180 100
182 107.9 48.0 144.0
145 23.2 14.5 43.5



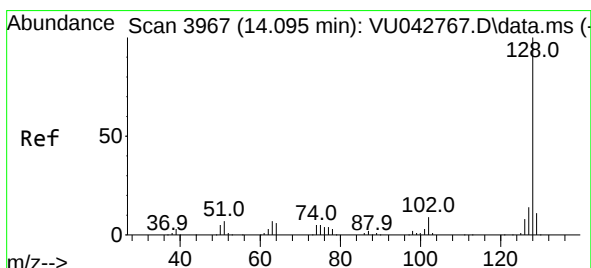
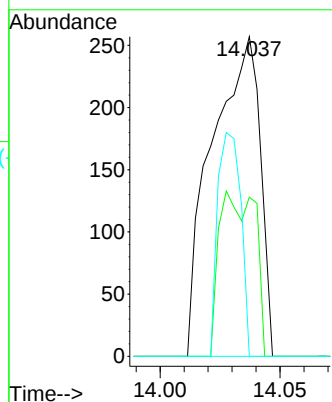
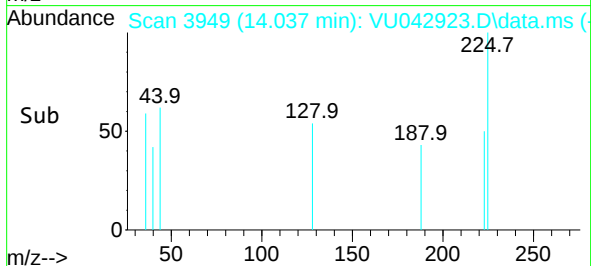


#94
Hexachlorobutadiene
Concen: 0.32 ug/l
RT: 14.037 min Scan# 3949
Delta R.T. 0.006 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13

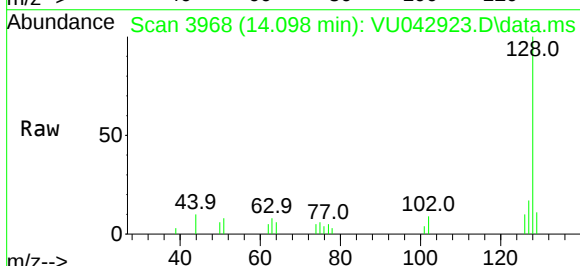
Instrument :
MSVOA_U
ClientSampled :



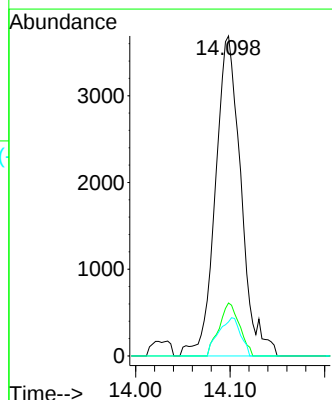
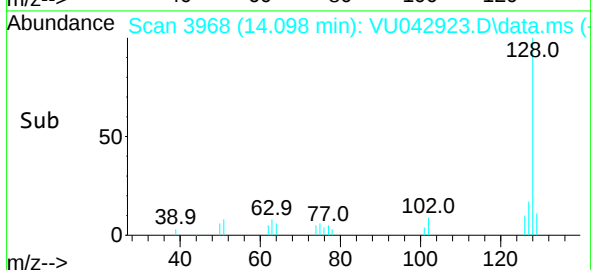
Tgt Ion:225 Resp: 357
Ion Ratio Lower Upper
225 100
223 38.7 31.4 94.3
227 33.6 31.9 95.5

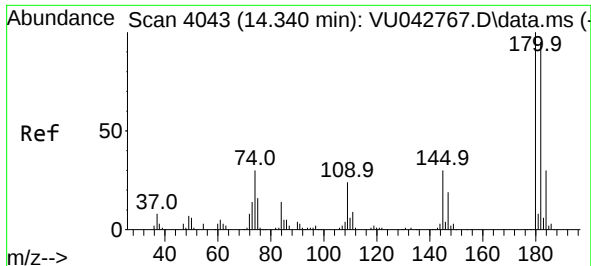


#95
Naphthalene
Concen: 3.61 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU042923.D
Acq: 05 Apr 2021 12:13



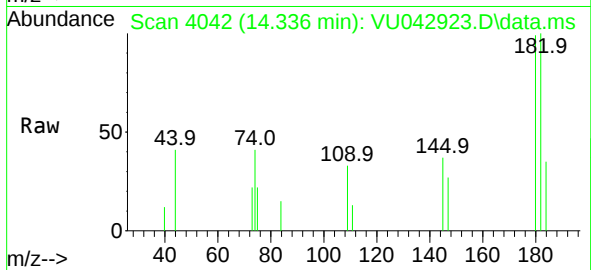
Tgt Ion:128 Resp: 6917
Ion Ratio Lower Upper
128 100
127 13.3 10.9 16.3
129 10.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.84 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. -0.003 min
 Lab File: VU042923.D
 Acq: 05 Apr 2021 12:13

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 1624
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.5 142.6
 145 31.3 15.0 45.0

