

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040221\
 Data File : VU042897.D
 Acq On : 02 Apr 2021 15:16
 Operator : SY/MD
 Sample : VU0402WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0402WBL01

Quant Time: Apr 03 00:12:02 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)

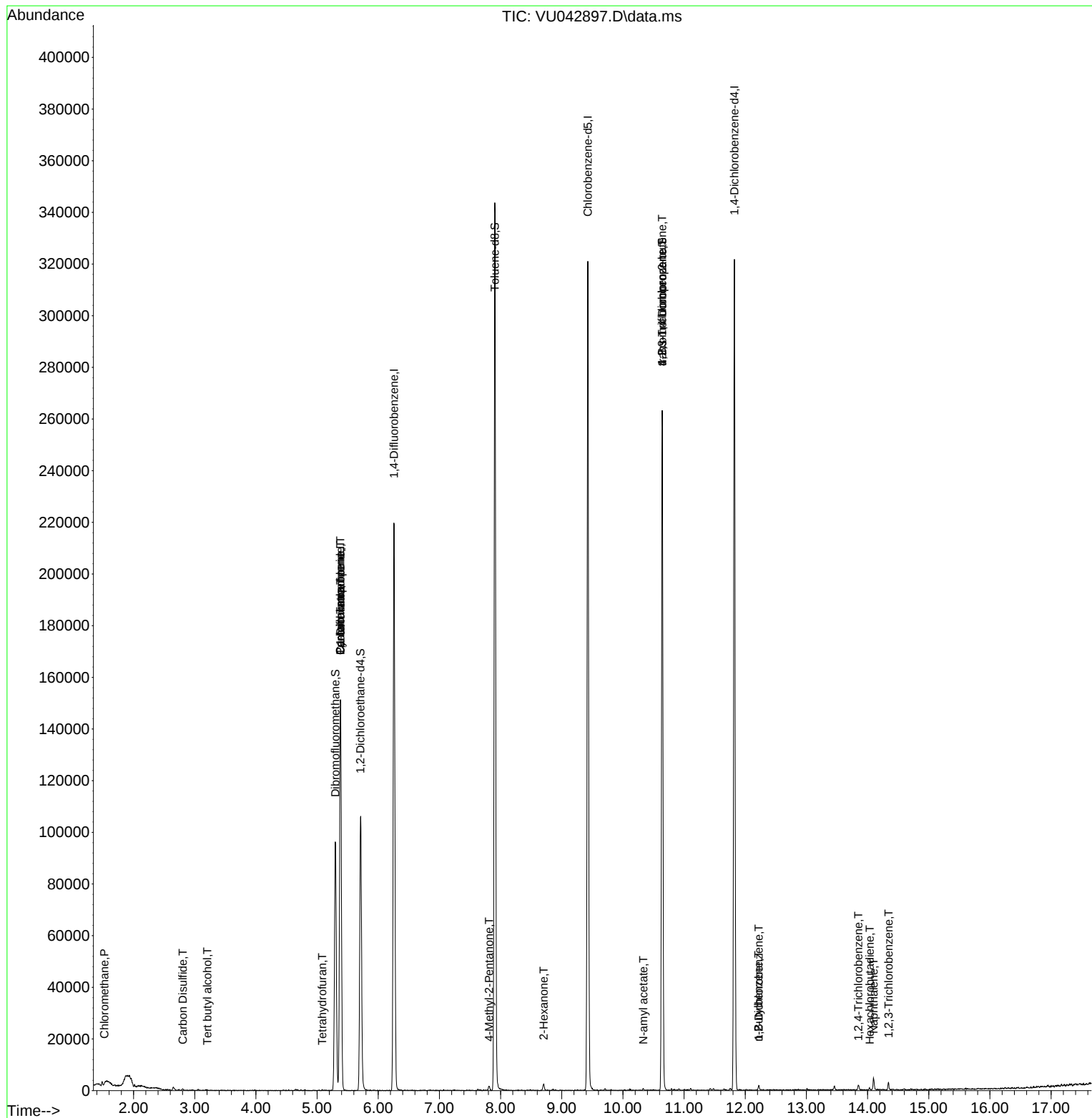
Internal Standards						
1) Pentafluorobenzene	5.382	168	105975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	166444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.426	117	161496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	78090	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	83020	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
35) Dibromofluoromethane	5.298	113	59971	48.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.56%	
50) Toluene-d8	7.906	98	212509	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	10.642	95	78918	46.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.94%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	422	0.31	ug/l #	85
5) Bromomethane	1.861	94	241	Below Cal	#	76
6) Chloroethane	1.925	64	72	Below Cal	#	43
11) Tert butyl alcohol	3.205	59	95	0.26	ug/l #	74
13) Acrolein	2.497	56	40	Below Cal	#	15
16) Acetone	2.645	43	603	Below Cal	#	48
17) Carbon Disulfide	2.803	76	560	0.21	ug/l #	75
29) Tetrahydrofuran	5.086	42	209	0.25	ug/l #	38
31) Cyclohexane	5.382	56	2752	1.31	ug/l #	11
36) 1,1-Dichloropropene	5.382	75	8291	5.04	ug/l #	50
38) Carbon Tetrachloride	5.382	117	9948	5.29	ug/l #	16
51) 4-Methyl-2-Pentanone	7.812	43	1338	0.50	ug/l #	64
59) 2-Hexanone	8.703	43	2169	1.01	ug/l	82
74) N-amyl acetate	10.333	43	599	0.21	ug/l #	48
76) 1,2,3-Trichloropropane	10.642	75	43892	22.10	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.642	75	43892	65.48	ug/l #	6
89) n-Butylbenzene	12.217	91	884	0.21	ug/l #	74
91) 1,2-Dichlorobenzene	12.221	146	507	0.20	ug/l #	60
93) 1,2,4-Trichlorobenzene	13.848	180	841	0.53	ug/l	92
94) Hexachlorobutadiene	14.037	225	351	0.38	ug/l #	56
95) Naphthalene	14.098	128	3912	3.28	ug/l	94
96) 1,2,3-Trichlorobenzene	14.343	180	1107	0.69	ug/l	96

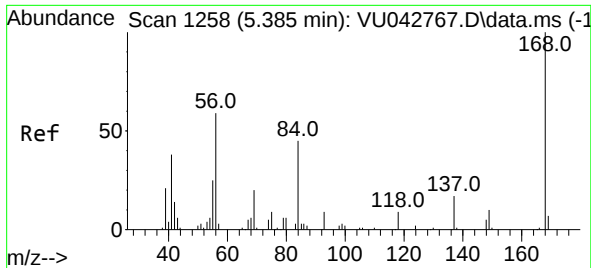
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 03 00:12:02 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

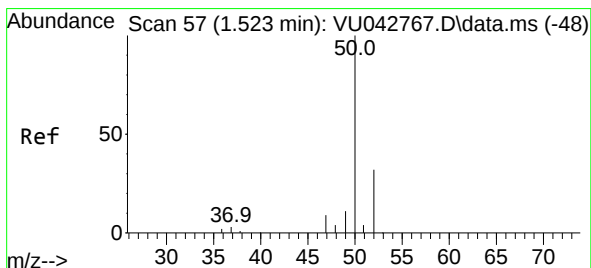
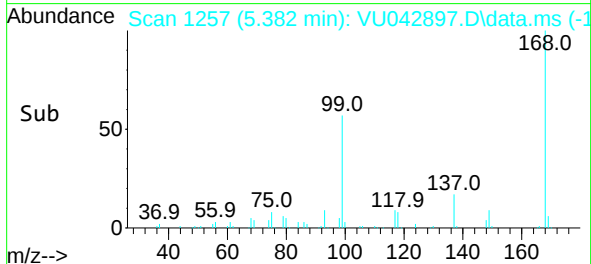
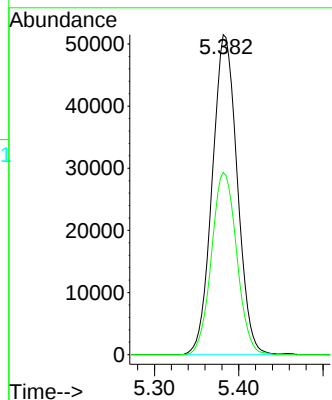
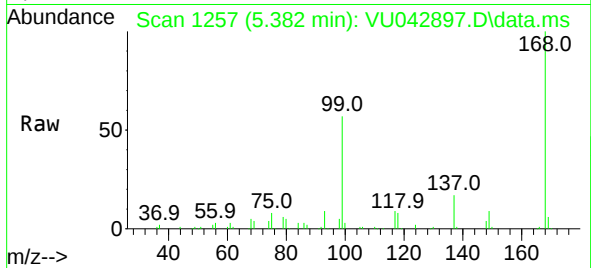




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

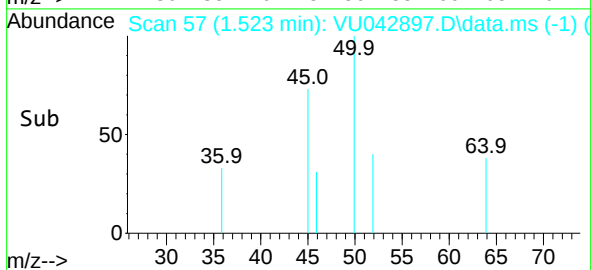
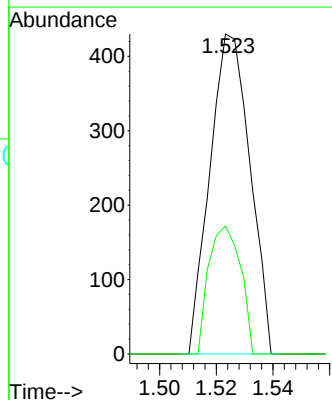
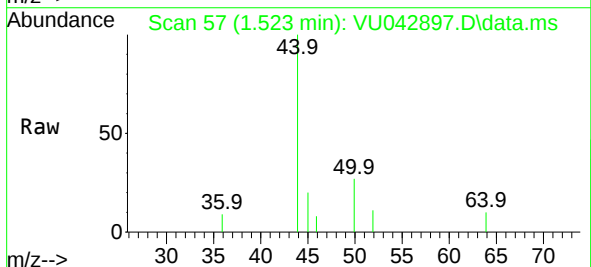
Instrument :
MSVOA_U
ClientSampleId :
VU0402WBL01

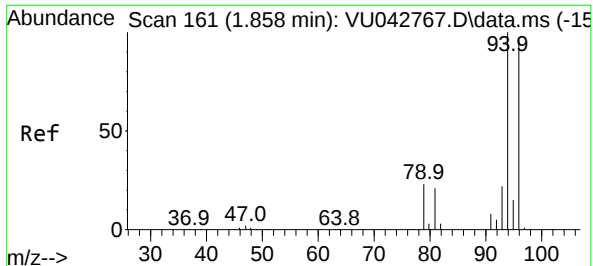
Tgt Ion:168 Resp: 105975
Ion Ratio Lower Upper
168 100
99 57.0 46.4 69.6



#3
Chloromethane
Concen: 0.31 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Tgt Ion: 50 Resp: 422
Ion Ratio Lower Upper
50 100
52 40.0 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 1.861 min Scan# 162

Delta R.T. 0.003 min

Lab File: VU042897.D

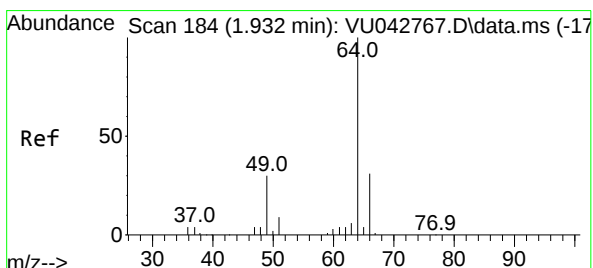
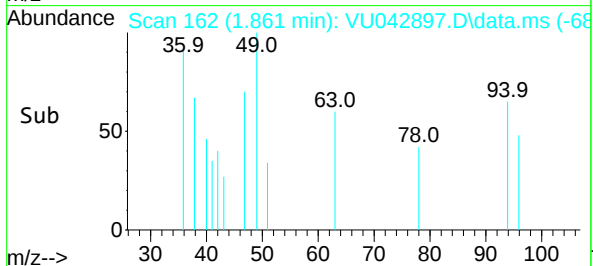
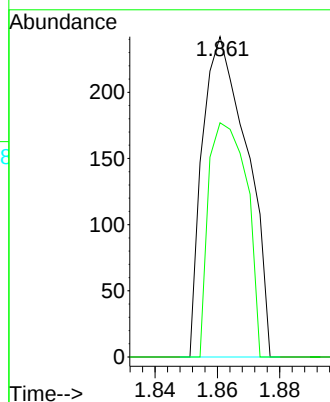
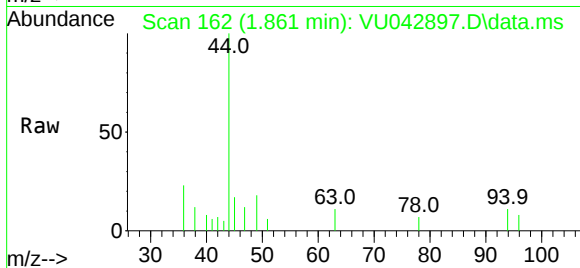
Acq: 02 Apr 2021 15:16

Tgt Ion: 94 Resp: 241

Ion Ratio Lower Upper

94 100

96 73.1 77.1 115.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.925 min Scan# 182

Delta R.T. -0.007 min

Lab File: VU042897.D

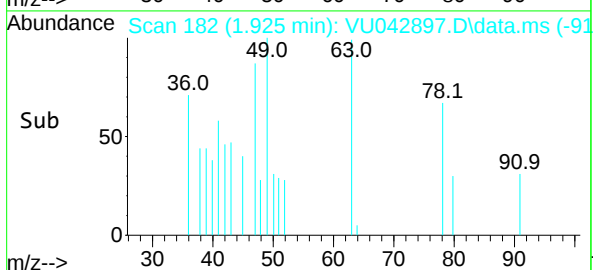
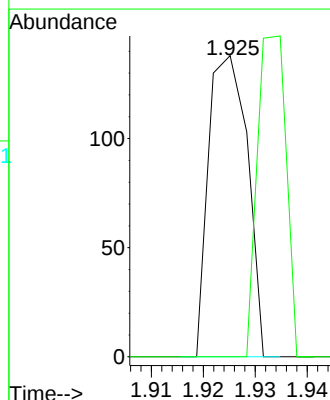
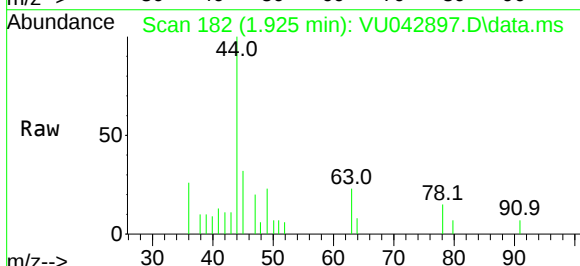
Acq: 02 Apr 2021 15:16

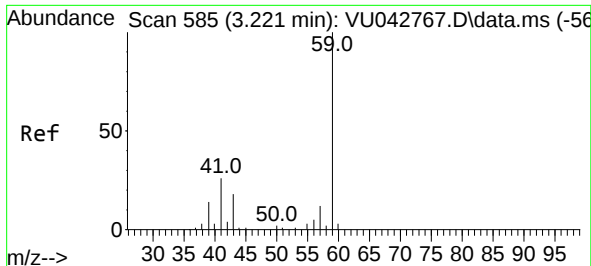
Tgt Ion: 64 Resp: 72

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#

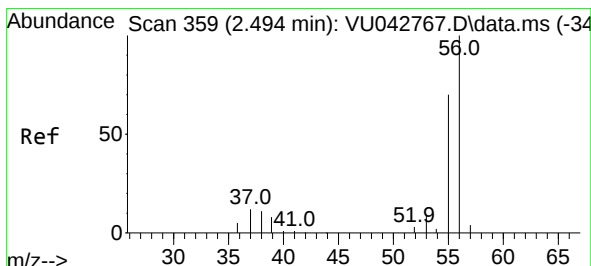
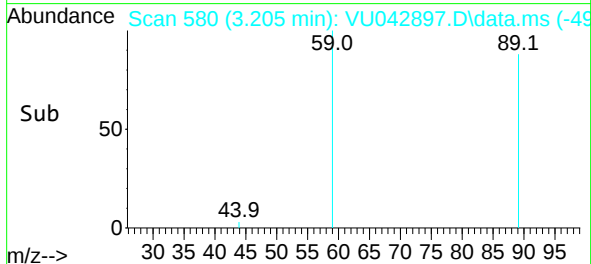
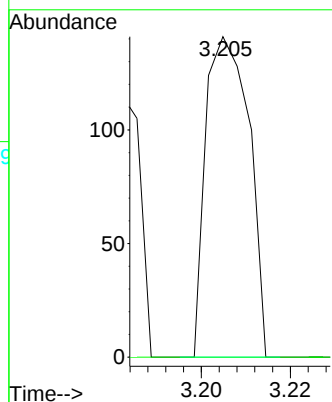
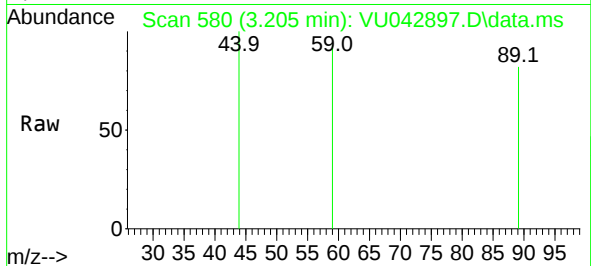




#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 3.205 min Scan# 580
Delta R.T. -0.016 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

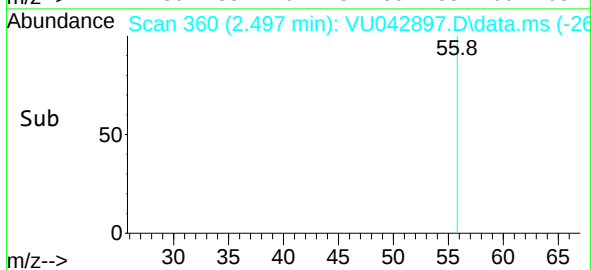
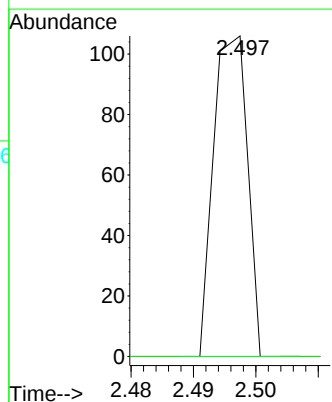
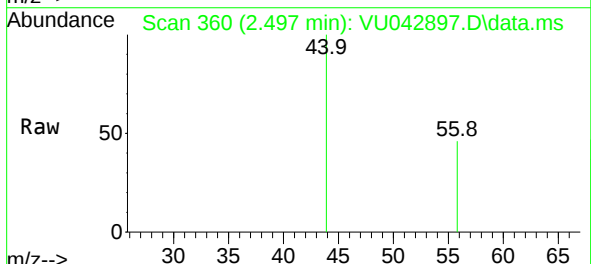
Instrument :
MSVOA_U
ClientSampleId :
VU0402WBL01

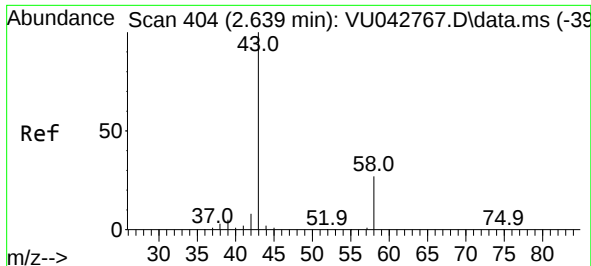
Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 2.497 min Scan# 360
Delta R.T. 0.003 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Tgt Ion: 56 Resp: 40
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

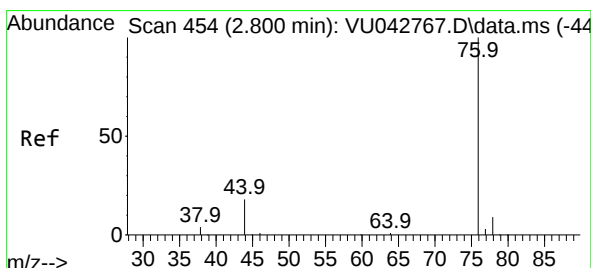
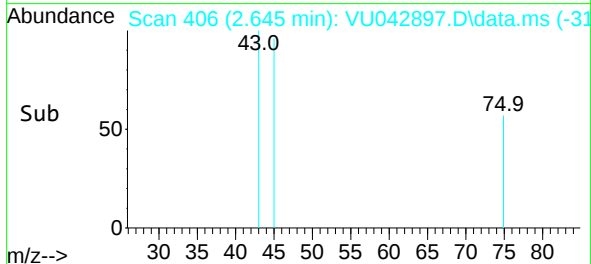
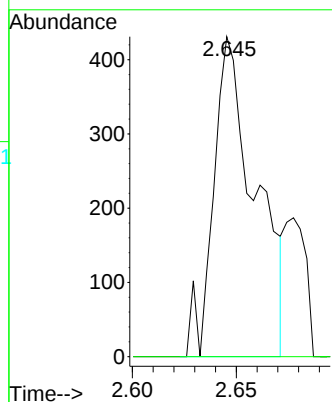
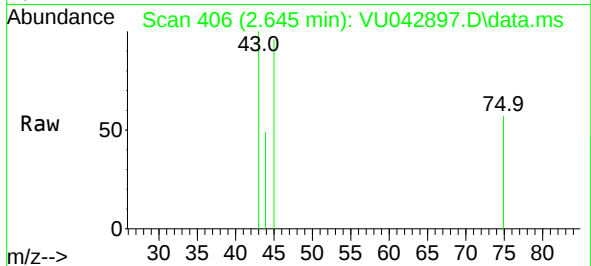




#16
Acetone
Concen: Below Cal
RT: 2.645 min Scan# 406
Delta R.T. 0.006 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

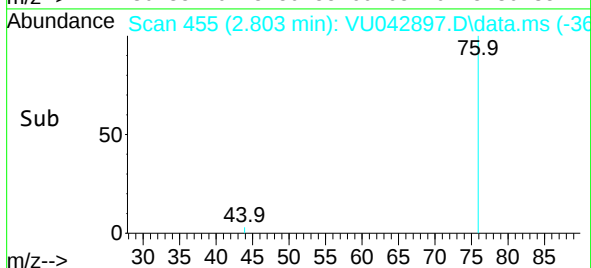
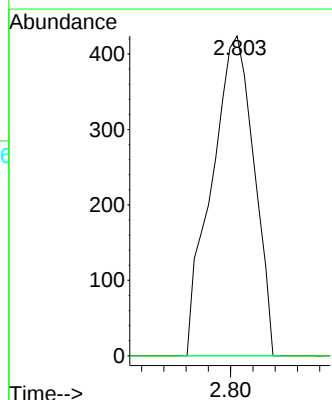
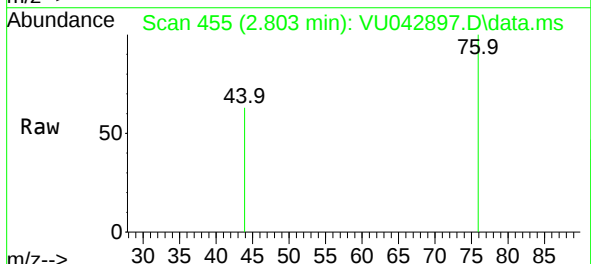
Instrument :
MSVOA_U
ClientSampleId :
VU0402WBL01

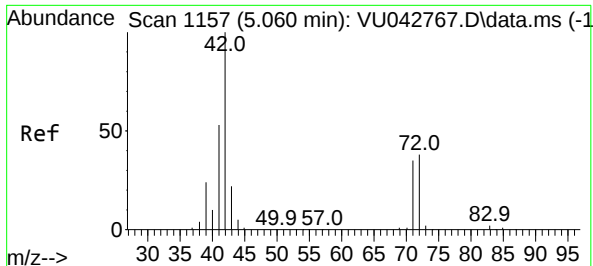
Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.803 min Scan# 455
Delta R.T. 0.003 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Tgt Ion: 76 Resp: 560
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.086 min Scan# 1165

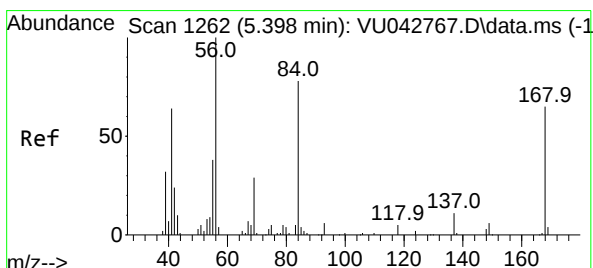
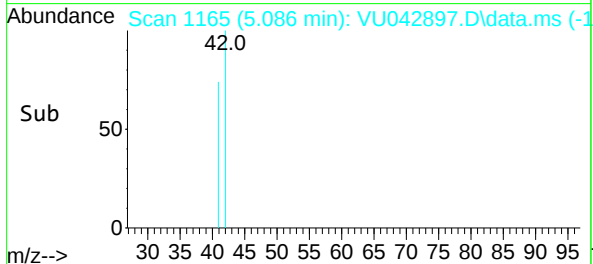
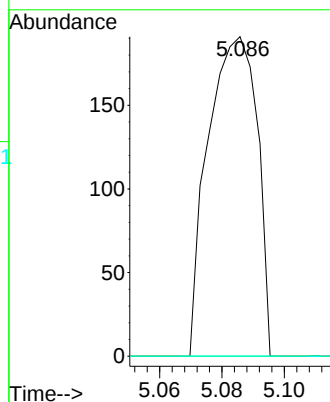
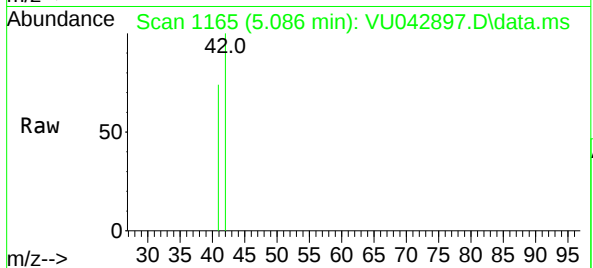
Delta R.T. 0.025 min

Lab File: VU042897.D

Acq: 02 Apr 2021 15:16

Instrument :
MSVOA_U
ClientSampleId :
VU0402WBL01

Tgt Ion: 42	Resp: 209
Ion Ratio	Lower Upper
42 100	
72 0.0	30.2 45.4#
71 0.0	28.6 42.8#



#31

Cyclohexane

Concen: 1.31 ug/l

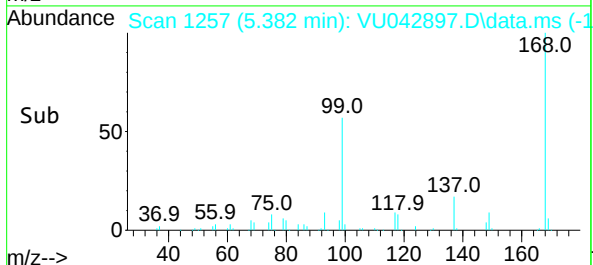
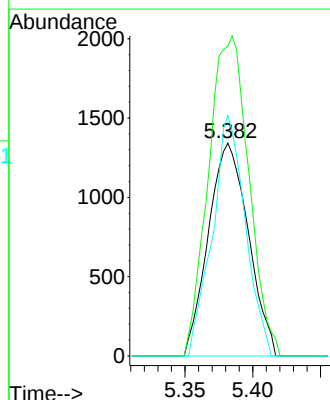
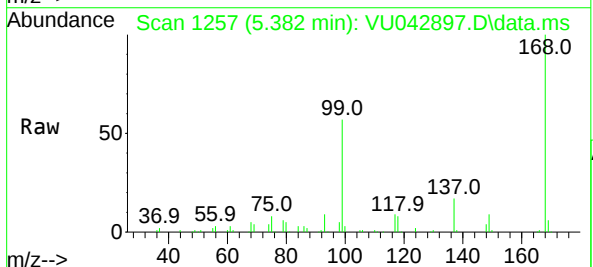
RT: 5.382 min Scan# 1257

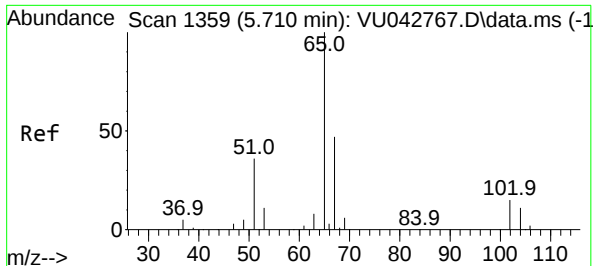
Delta R.T. -0.016 min

Lab File: VU042897.D

Acq: 02 Apr 2021 15:16

Tgt Ion: 56	Resp: 2752
Ion Ratio	Lower Upper
56 100	
69 145.6	23.3 34.9#
84 113.0	62.2 93.4#

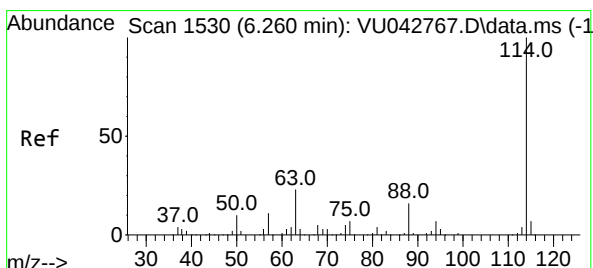
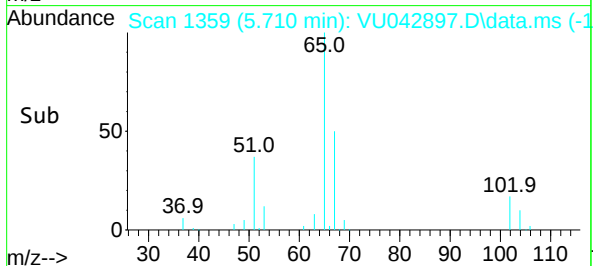
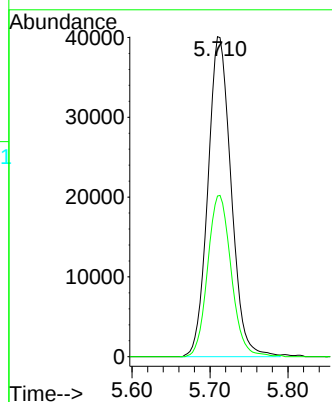
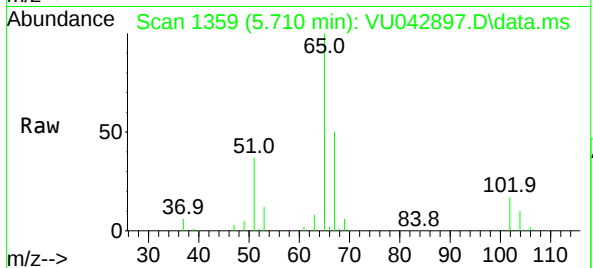




#33
1,2-Dichloroethane-d4
Concen: 49.14 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

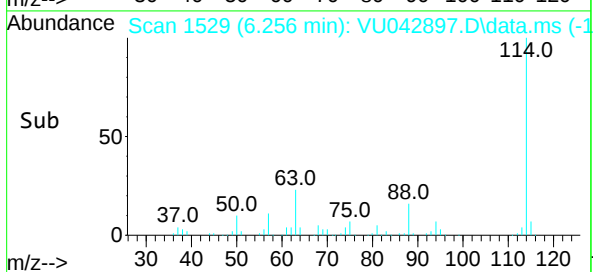
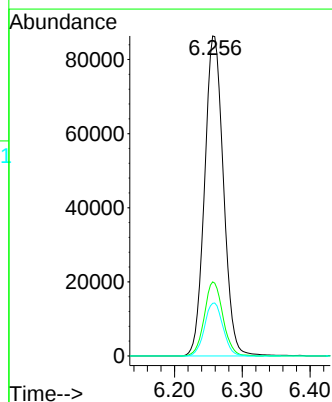
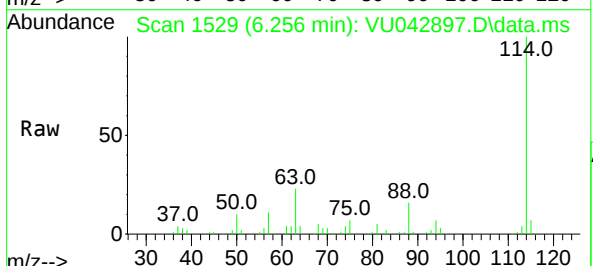
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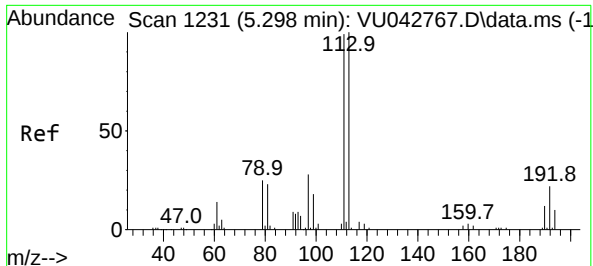
Tgt Ion: 65 Resp: 83020
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. -0.004 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Tgt Ion: 114 Resp: 166444
Ion Ratio Lower Upper
114 100
63 23.2 0.0 46.8
88 16.4 0.0 32.2

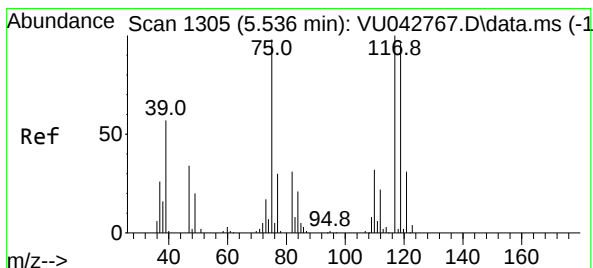
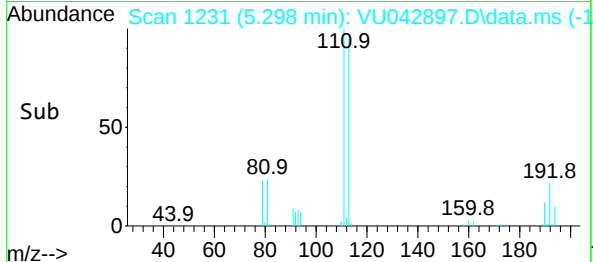
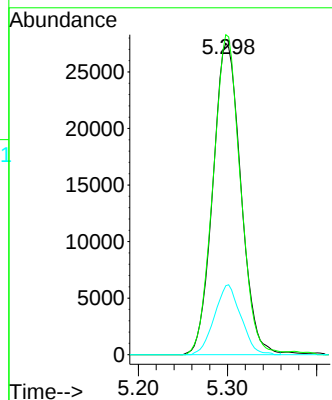
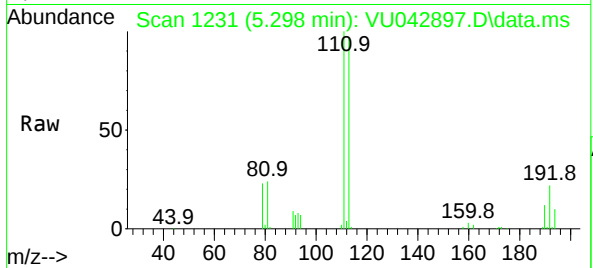




#35
Dibromofluoromethane
Concen: 48.28 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

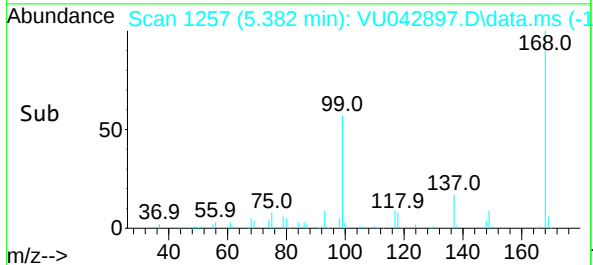
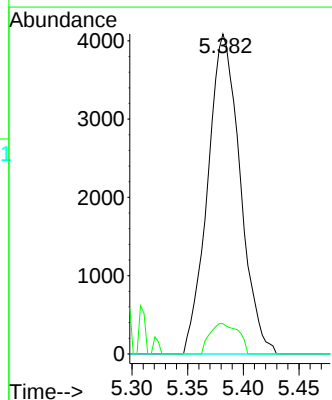
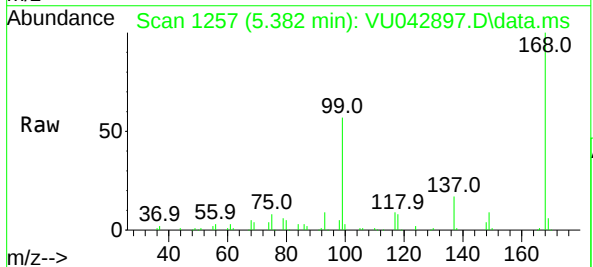
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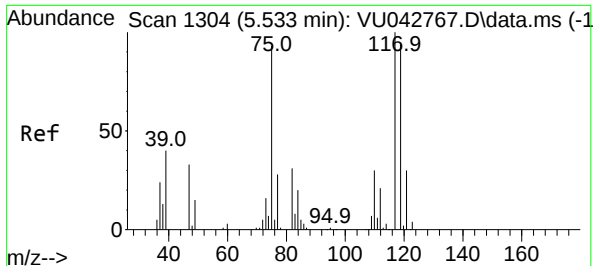
Tgt Ion:113 Resp: 59971
Ion Ratio Lower Upper
113 100
111 100.5 82.1 123.1
192 21.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.155 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

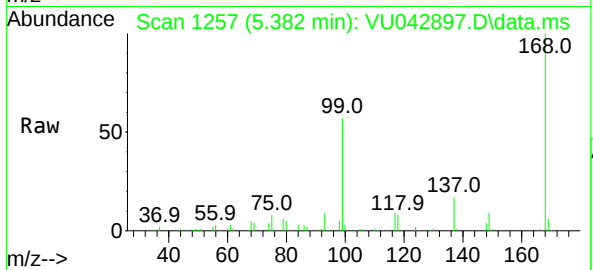
Tgt Ion: 75 Resp: 8291
Ion Ratio Lower Upper
75 100
110 8.4 16.6 49.7#
77 0.0 24.7 37.1#



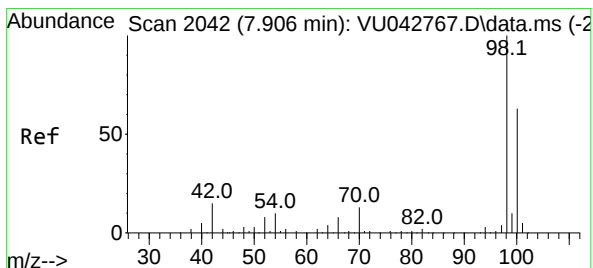
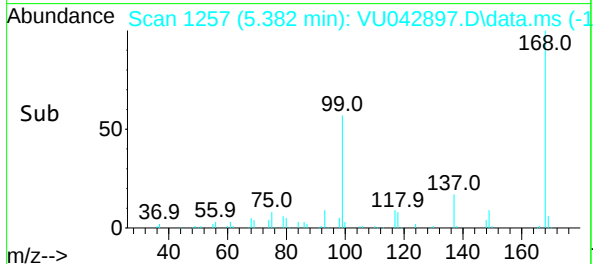
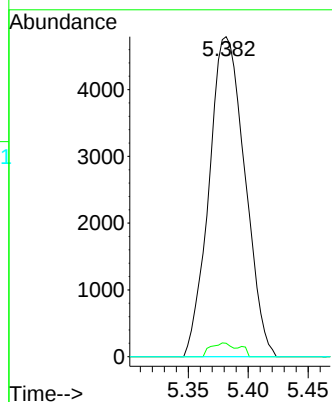


#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Instrument :
MSVOA_U
ClientSampleId :
VU0402WBL01

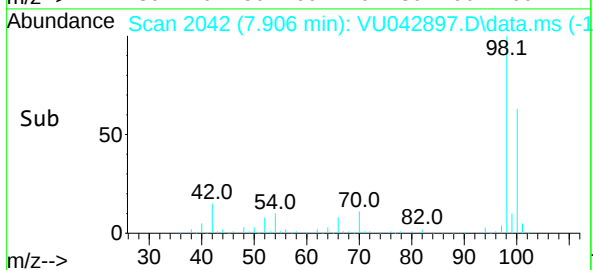
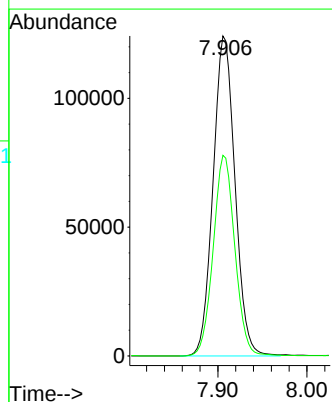
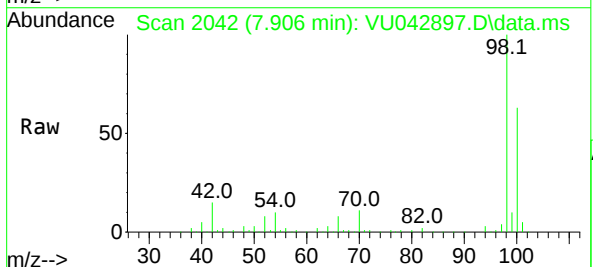


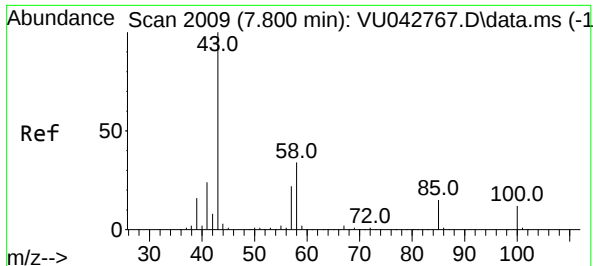
Tgt Ion: 117 Resp: 9948
Ion Ratio Lower Upper
117 100
119 4.2 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.63 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Tgt Ion: 98 Resp: 212509
Ion Ratio Lower Upper
98 100
100 61.9 50.4 75.6

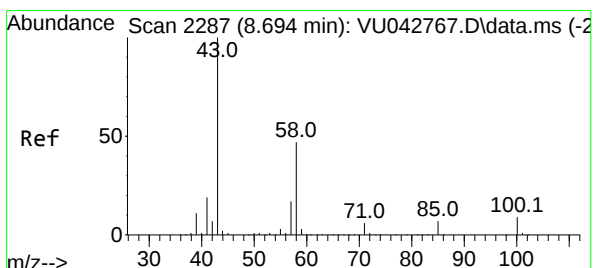
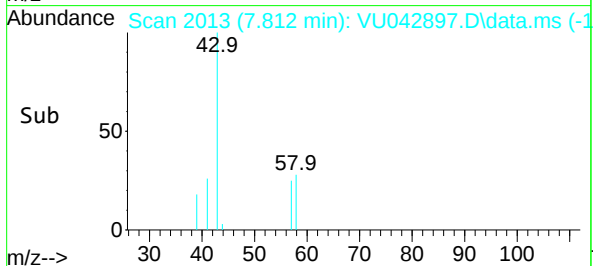
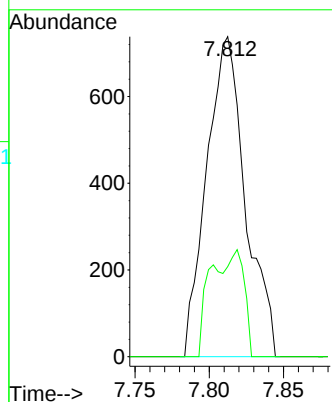
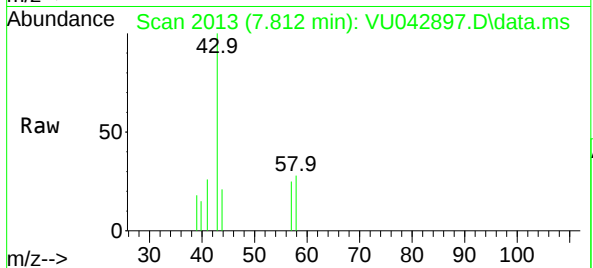




#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 7.812 min Scan# 2013
Delta R.T. 0.013 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

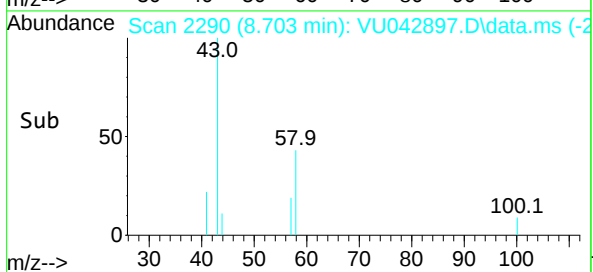
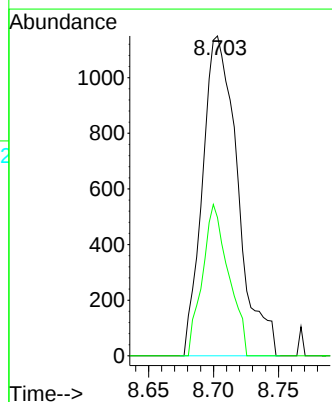
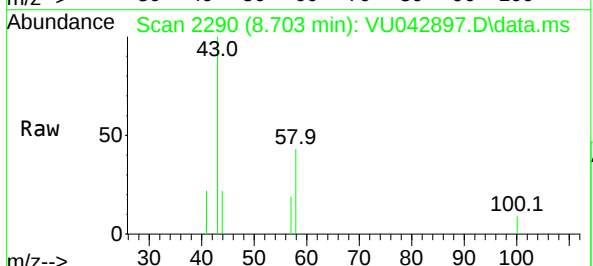
Instrument :
MSVOA_U
ClientSampleId :
VU0402WBL01

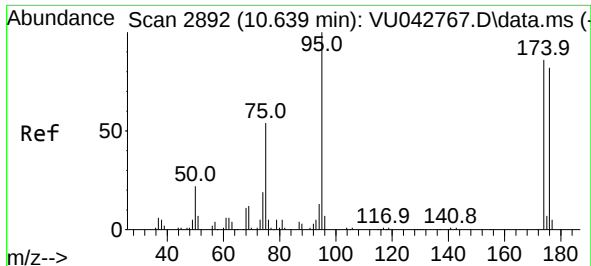
Tgt Ion: 43 Resp: 1338
Ion Ratio Lower Upper
43 100
58 13.8 27.4 41.2#



#59
2-Hexanone
Concen: 1.01 ug/l
RT: 8.703 min Scan# 2290
Delta R.T. 0.009 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
58 35.1 23.8 71.2

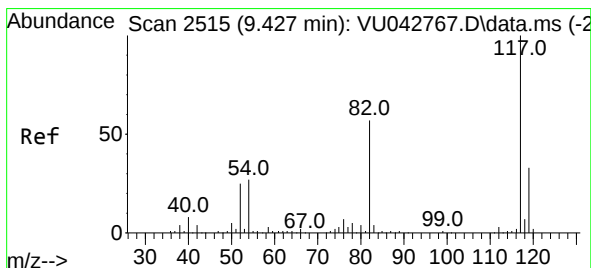
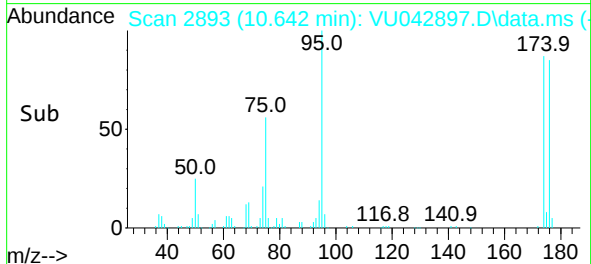
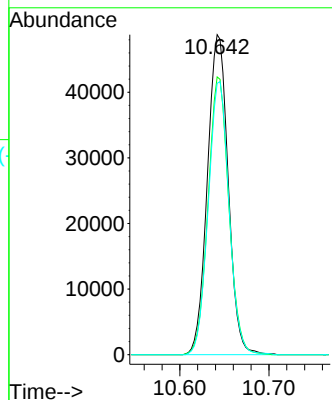
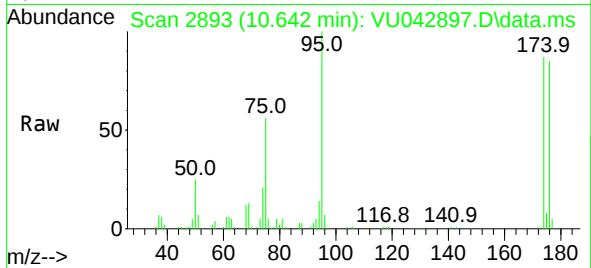




#62
4-Bromofluorobenzene
Concen: 46.47 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

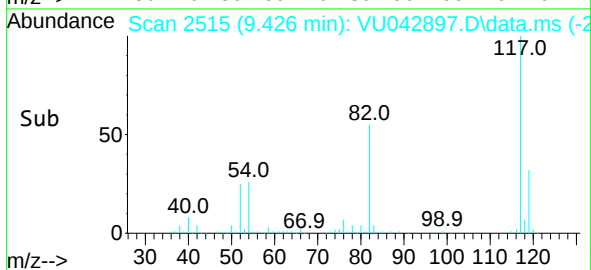
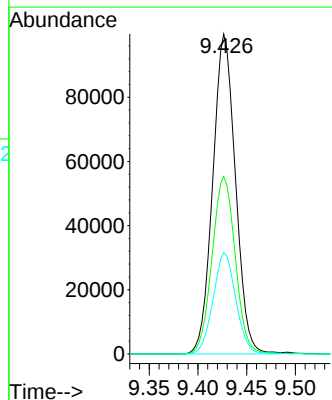
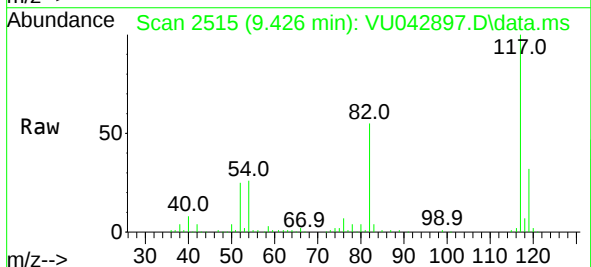
Instrument :
MSVOA_U
ClientSampleId :
VU0402WBL01

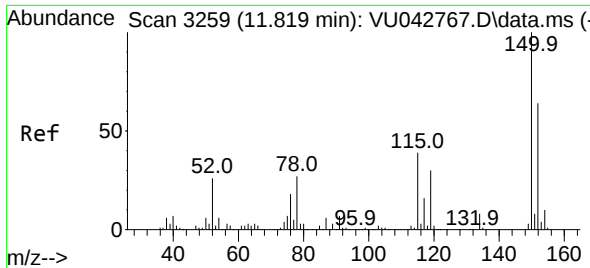
Tgt Ion: 95 Resp: 78918
Ion Ratio Lower Upper
95 100
174 86.6 0.0 175.2
176 85.2 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.426 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Tgt Ion: 117 Resp: 161496
Ion Ratio Lower Upper
117 100
82 55.4 45.5 68.3
119 31.6 26.2 39.4

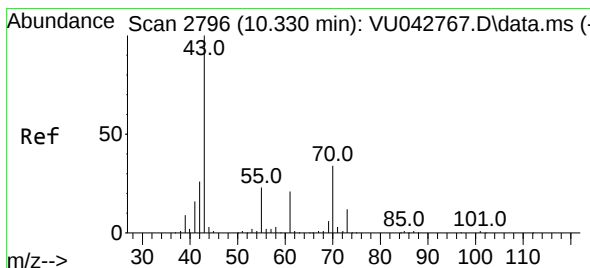
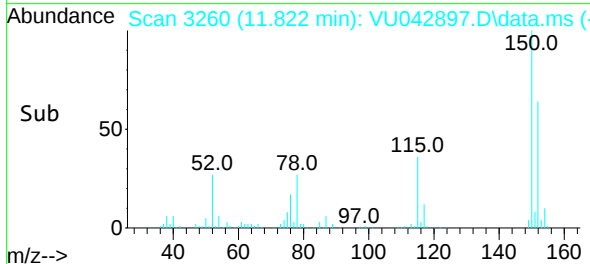
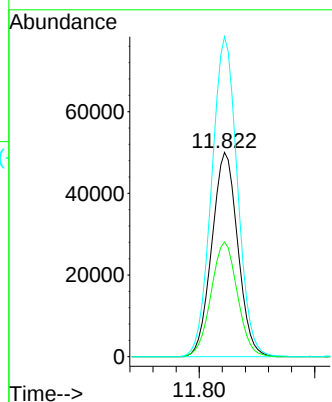
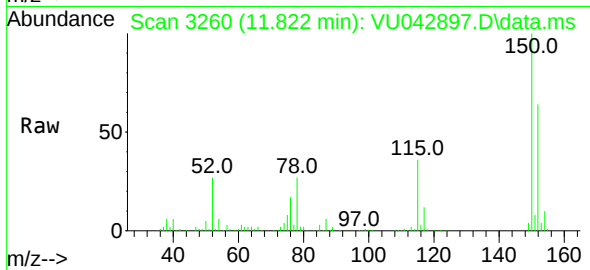




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.822 min Scan# 3260
 Delta R.T. 0.003 min
 Lab File: VU042897.D
 Acq: 02 Apr 2021 15:16

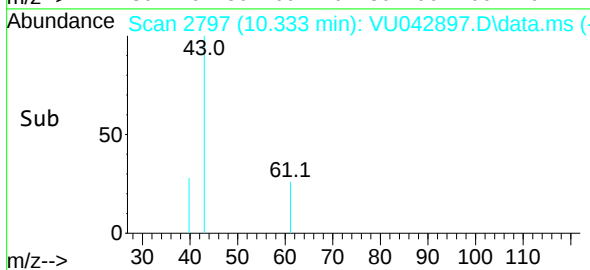
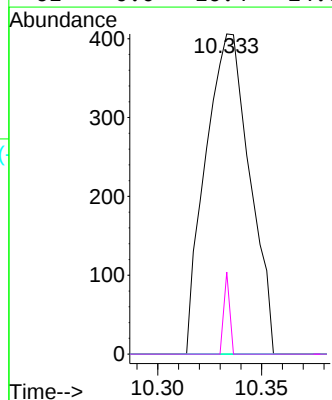
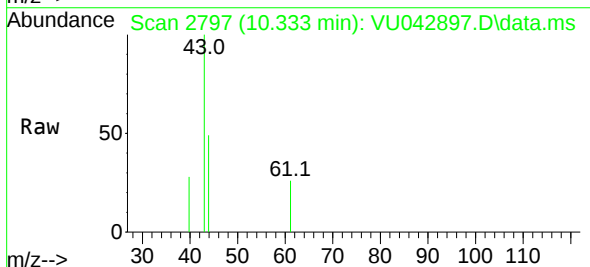
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0402WBL01

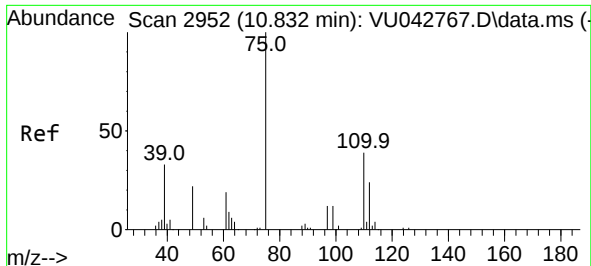
Tgt Ion:152 Resp: 78090
 Ion Ratio Lower Upper
 152 100
 115 57.1 41.0 123.0
 150 155.6 0.0 341.0



#74
 N-amy1 acetate
 Concen: 0.21 ug/l
 RT: 10.333 min Scan# 2797
 Delta R.T. 0.003 min
 Lab File: VU042897.D
 Acq: 02 Apr 2021 15:16

Tgt Ion: 43 Resp: 599
 Ion Ratio Lower Upper
 43 100
 70 0.0 27.8 41.6#
 55 0.0 18.4 27.6#
 61 0.0 16.4 24.6#

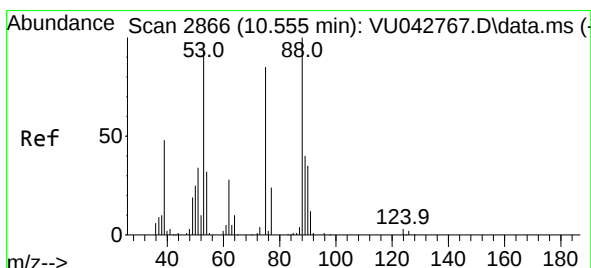
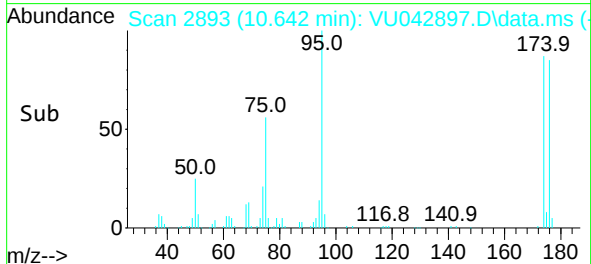
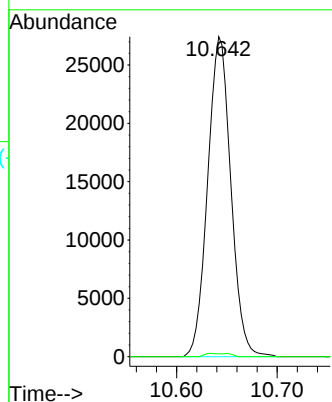
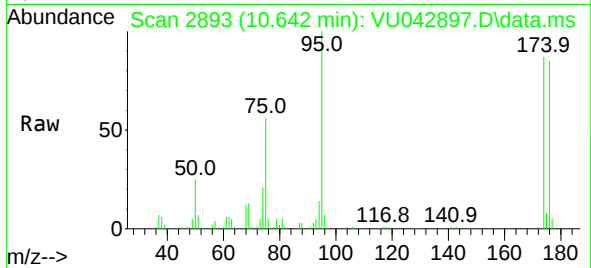




#76
1,2,3-Trichloropropane
Concen: 22.10 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.190 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

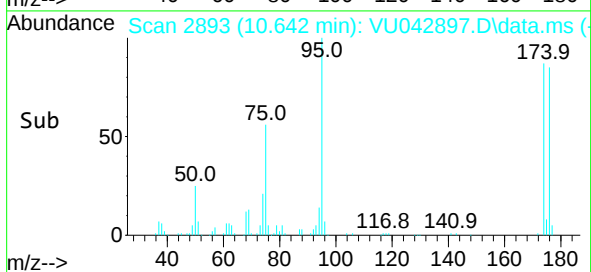
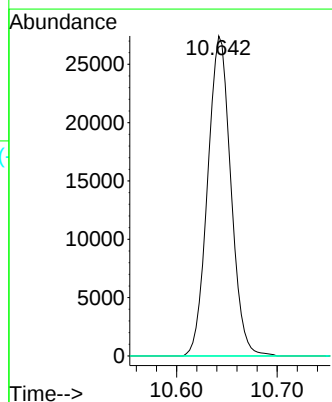
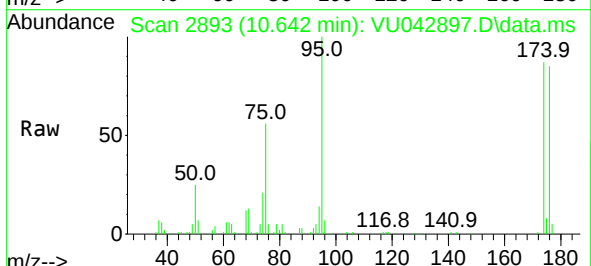
Instrument :
MSVOA_U
ClientSampleId :
VU0402WBL01

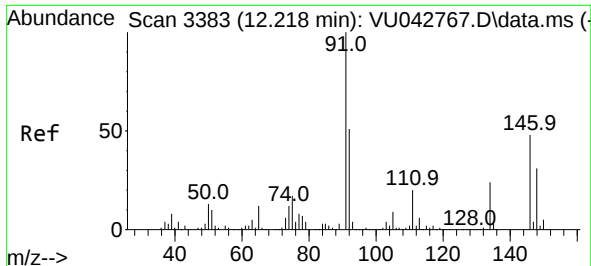
Tgt Ion: 75 Resp: 43892
Ion Ratio Lower Upper
75 100
77 0.6 19.6 58.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.48 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.087 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Tgt Ion: 75 Resp: 43892
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#

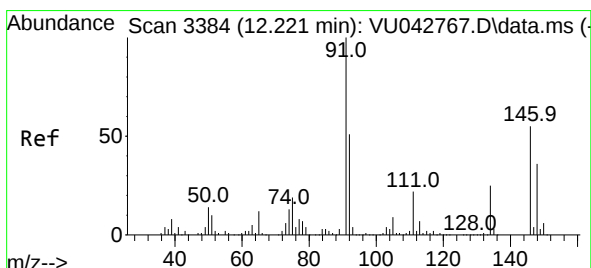
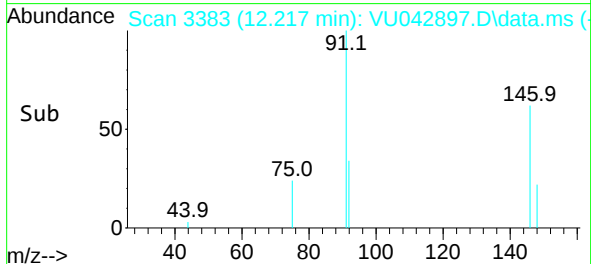
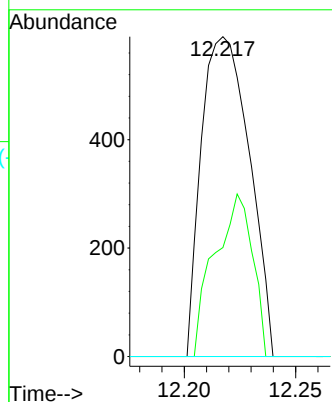
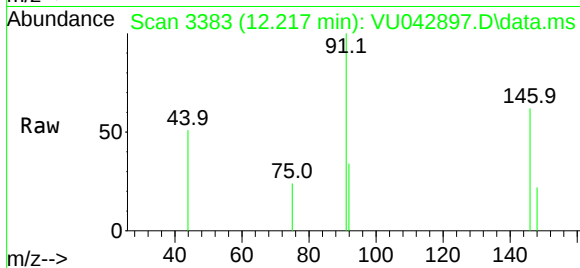




#89
n-Butylbenzene
Concen: 0.21 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

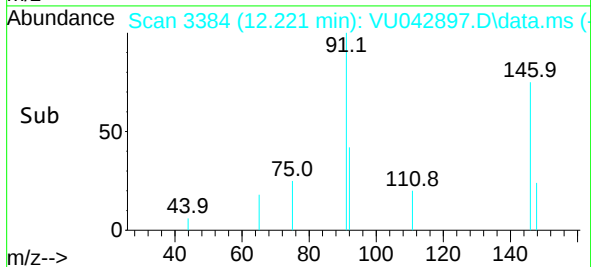
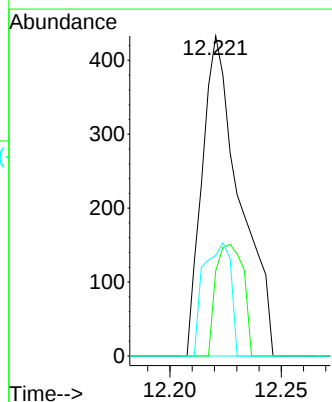
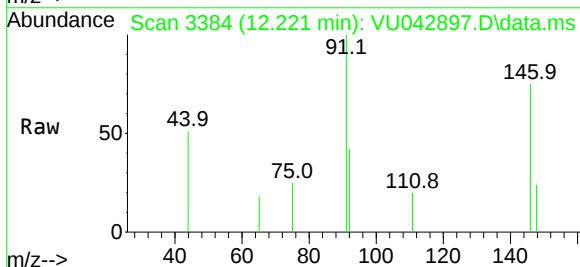
Instrument :
MSVOA_U
ClientSampleId :
VU0402WBL01

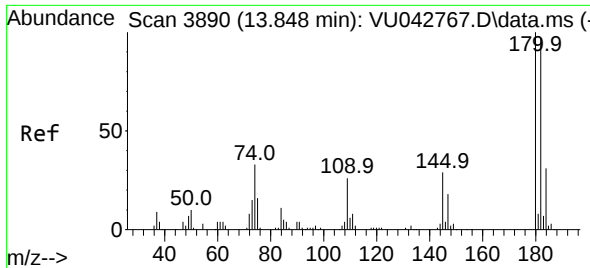
Tgt Ion: 91 Resp: 884
Ion Ratio Lower Upper
91 100
92 40.3 25.7 77.1
134 0.0 12.1 36.3#



#91
1,2-Dichlorobenzene
Concen: 0.20 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. -0.000 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Tgt Ion: 146 Resp: 507
Ion Ratio Lower Upper
146 100
111 25.4 20.0 60.0
148 25.6 32.5 97.4#

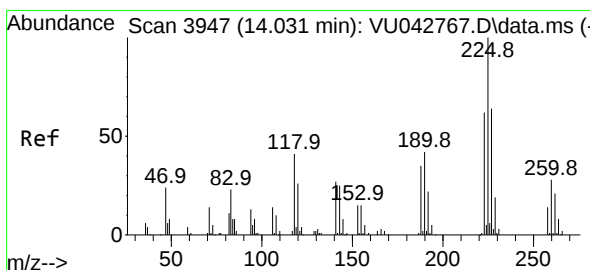
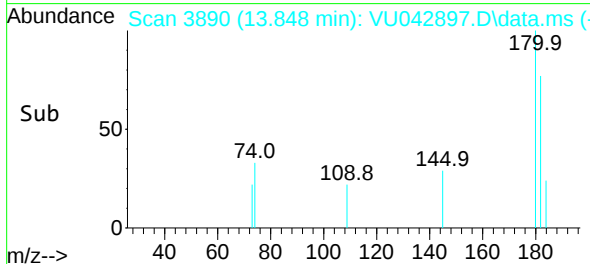
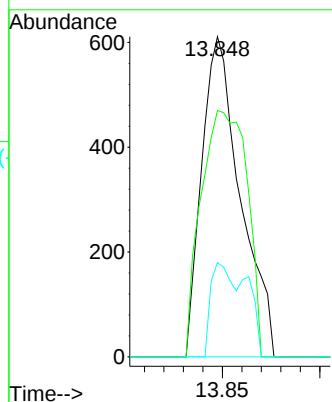
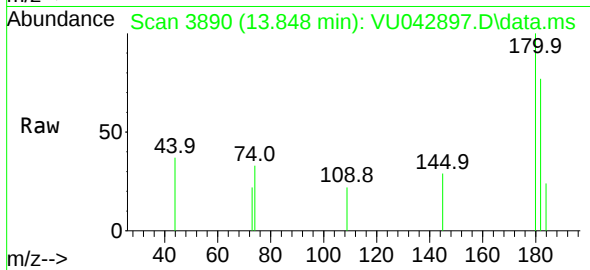




#93
 1,2,4-Trichlorobenzene
 Concen: 0.53 ug/l
 RT: 13.848 min Scan# 3890
 Delta R.T. -0.000 min
 Lab File: VU042897.D
 Acq: 02 Apr 2021 15:16

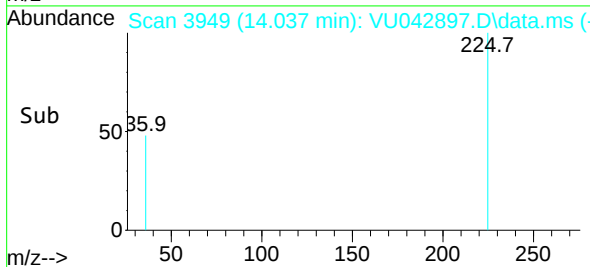
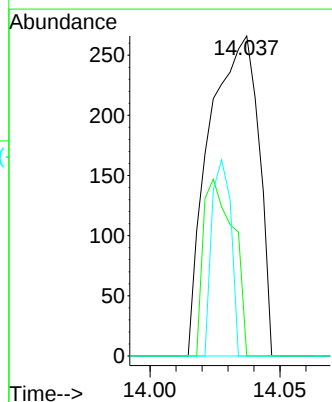
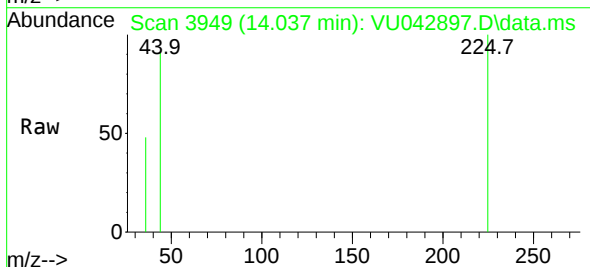
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0402WBL01

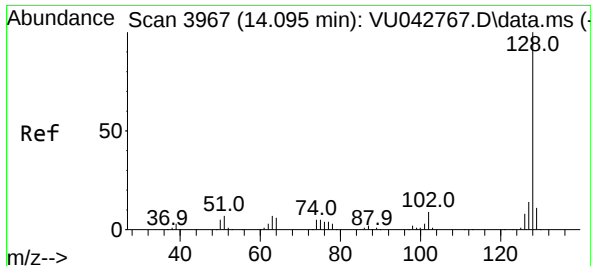
Tgt Ion:180 Resp: 841
 Ion Ratio Lower Upper
 180 100
 182 91.7 48.0 144.0
 145 17.6 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 0.38 ug/l
 RT: 14.037 min Scan# 3949
 Delta R.T. 0.006 min
 Lab File: VU042897.D
 Acq: 02 Apr 2021 15:16

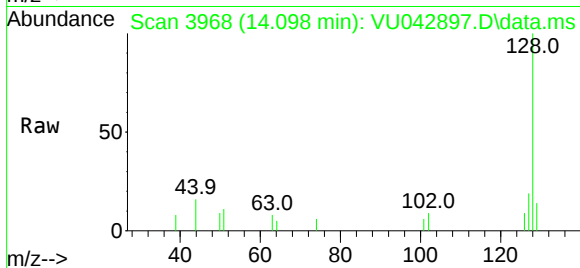
Tgt Ion:225 Resp: 351
 Ion Ratio Lower Upper
 225 100
 223 33.9 31.4 94.3
 227 23.6 31.9 95.5#



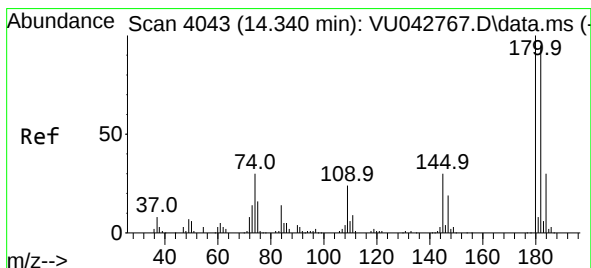
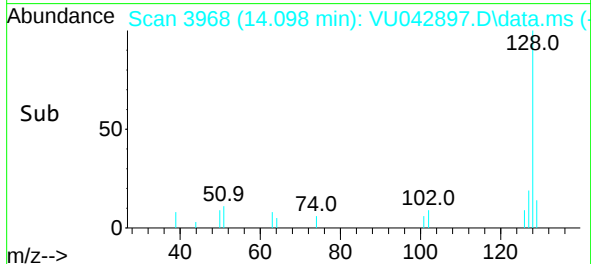
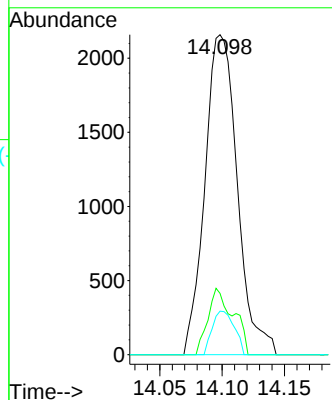


#95
Naphthalene
Concen: 3.28 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Instrument :
MSVOA_U
ClientSampleId :
VU0402WBL01



Tgt Ion:128 Resp: 3912
Ion Ratio Lower Upper
128 100
127 16.2 10.9 16.3
129 9.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.69 ug/l
RT: 14.343 min Scan# 4044
Delta R.T. 0.003 min
Lab File: VU042897.D
Acq: 02 Apr 2021 15:16

Tgt Ion:180 Resp: 1107
Ion Ratio Lower Upper
180 100
182 93.0 47.5 142.6
145 25.3 15.0 45.0

