

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033121\
 Data File : VU042848.D
 Acq On : 31 Mar 2021 11:28
 Operator : SY/MD
 Sample : VU0331MBL01
 Misc : 5.0g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331MBL01

Quant Time: Apr 01 04:38:54 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)

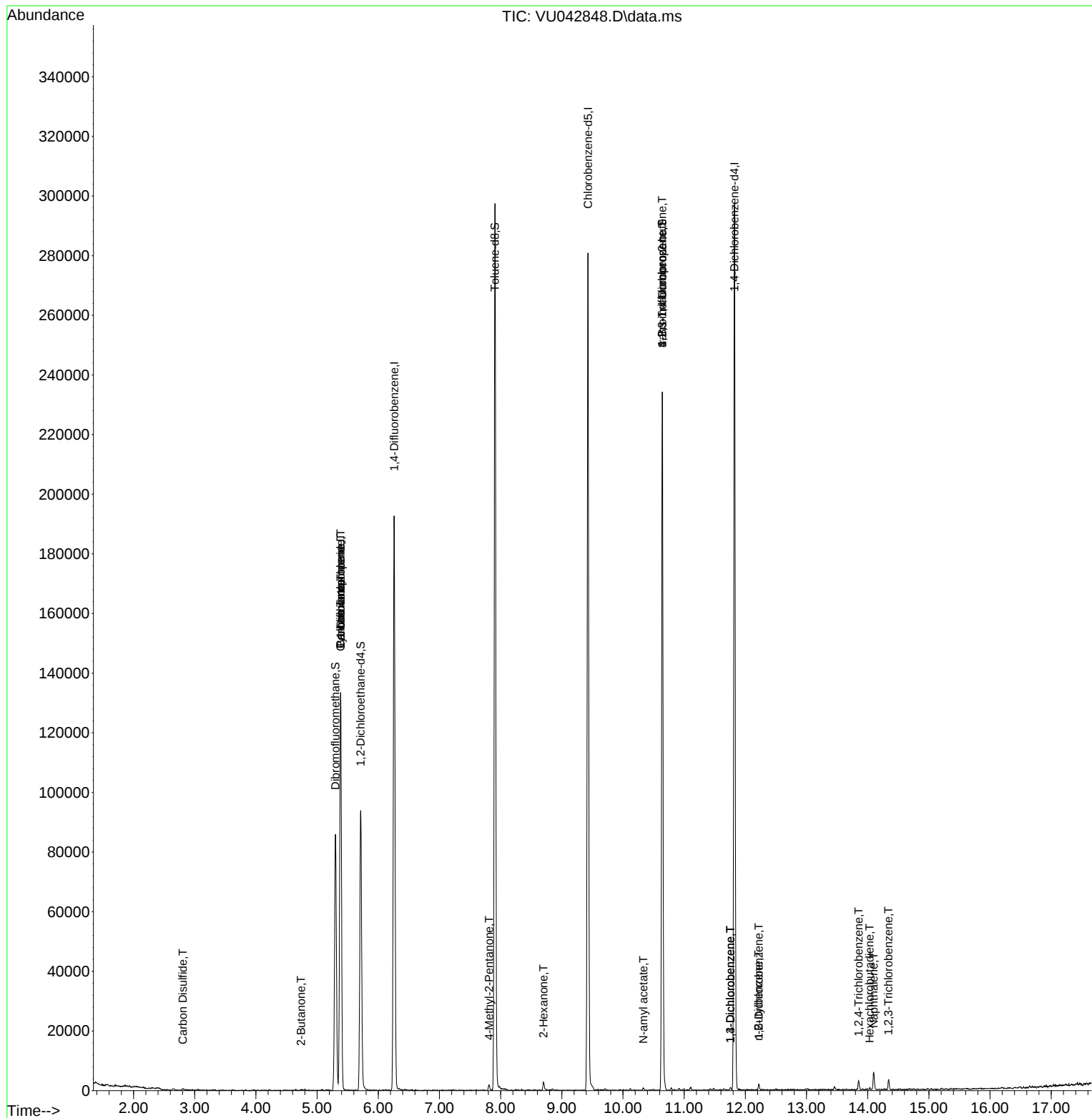
Internal Standards						
1) Pentafluorobenzene	5.385	168	93549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	145264	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	144935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	73244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	73570	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
35) Dibromofluoromethane	5.299	113	53425	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
50) Toluene-d8	7.906	98	183347	48.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	10.642	95	68993	46.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.10%	
Target Compounds					Qvalue	
6) Chloroethane	1.967	64	19	Below Cal	#	43
16) Acetone	2.646	43	605	Below Cal	#	48
17) Carbon Disulfide	2.803	76	620	0.26	ug/l #	75
25) 2-Butanone	4.739	43	352	0.29	ug/l #	54
31) Cyclohexane	5.382	56	2040	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.385	75	7627	5.31	ug/l #	50
38) Carbon Tetrachloride	5.385	117	9545	5.82	ug/l #	17
51) 4-Methyl-2-Pentanone	7.810	43	1673	0.71	ug/l #	82
59) 2-Hexanone	8.700	43	2511	1.34	ug/l	89
74) N-amyl acetate	10.334	43	716	0.27	ug/l #	66
76) 1,2,3-Trichloropropane	10.642	75	39076	20.98	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.642	75	39076	62.15	ug/l #	6
87) 1,3-Dichlorobenzene	11.755	146	615	0.27	ug/l	80
88) 1,4-Dichlorobenzene	11.755	146	615	0.26	ug/l	80
89) n-Butylbenzene	12.215	91	990	0.25	ug/l #	81
91) 1,2-Dichlorobenzene	12.221	146	487	0.21	ug/l	76
93) 1,2,4-Trichlorobenzene	13.851	180	1306	0.88	ug/l	98
94) Hexachlorobutadiene	14.031	225	183	0.21	ug/l	71
95) Naphthalene	14.099	128	5398	3.61	ug/l	99
96) 1,2,3-Trichlorobenzene	14.340	180	1321	0.88	ug/l	94

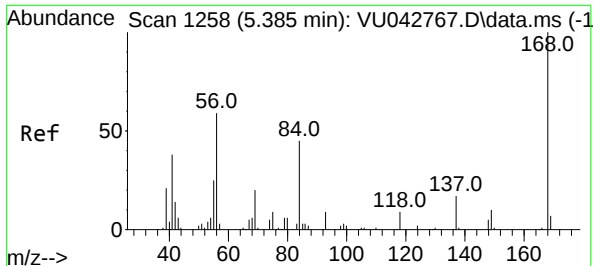
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

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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

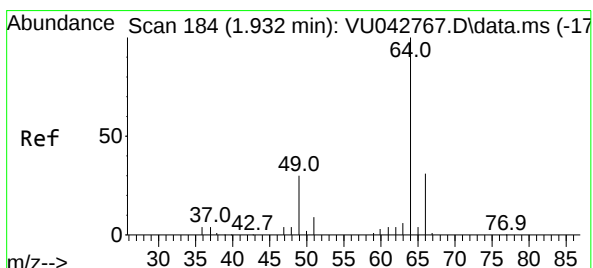
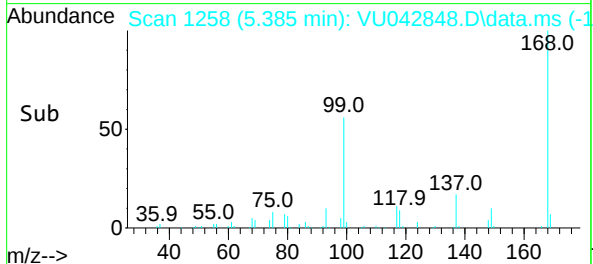
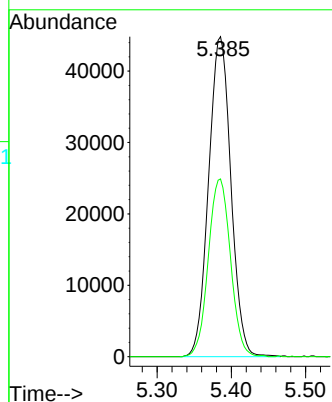
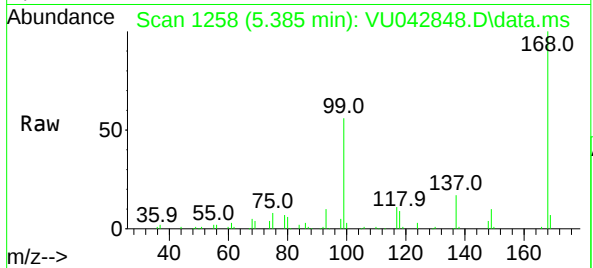




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

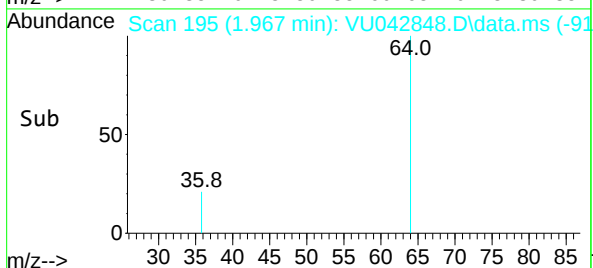
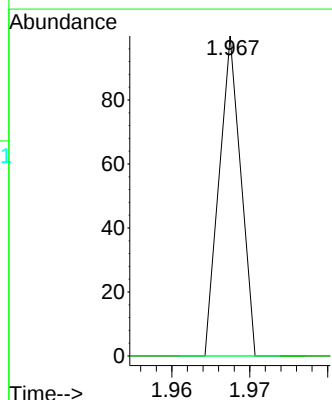
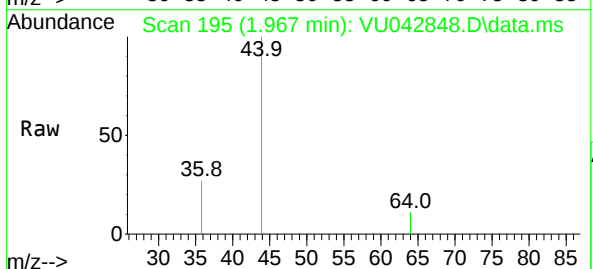
Instrument :
MSVOA_U
ClientSampleId :
VU0331MBL01

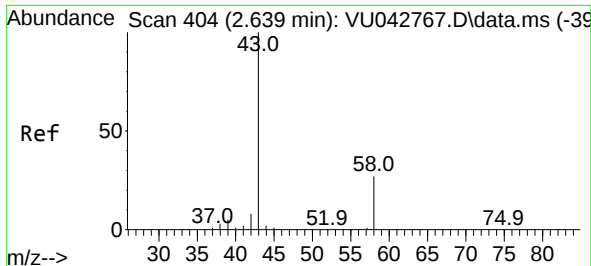
Tgt Ion:168 Resp: 93549
Ion Ratio Lower Upper
168 100
99 55.5 46.4 69.6



#6
Chloroethane
Concen: Below Cal
RT: 1.967 min Scan# 195
Delta R.T. 0.035 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

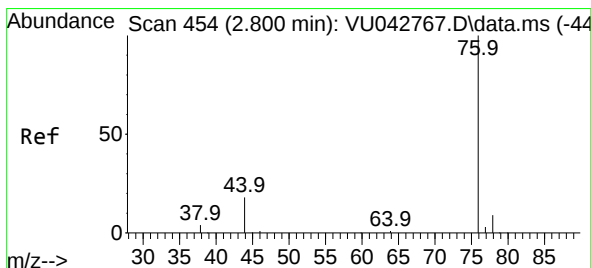
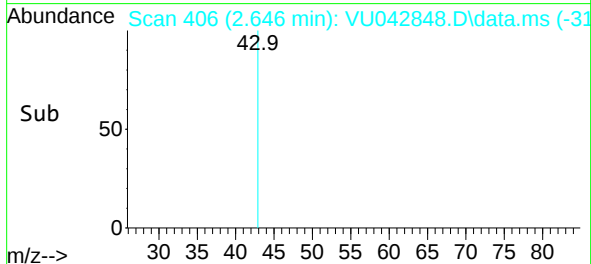
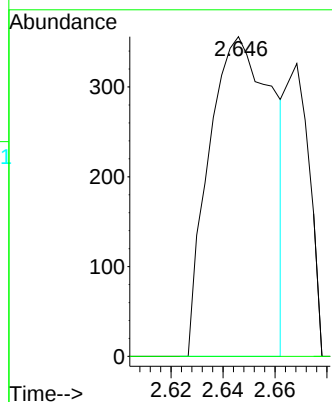
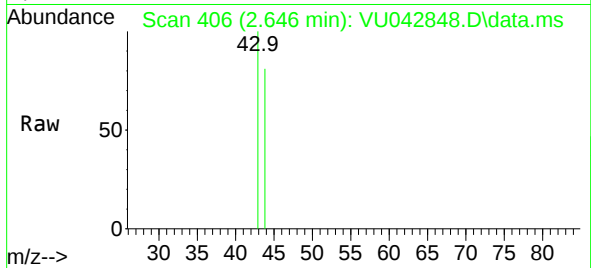




#16
Acetone
Concen: Below Cal
RT: 2.646 min Scan# 406
Delta R.T. 0.007 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

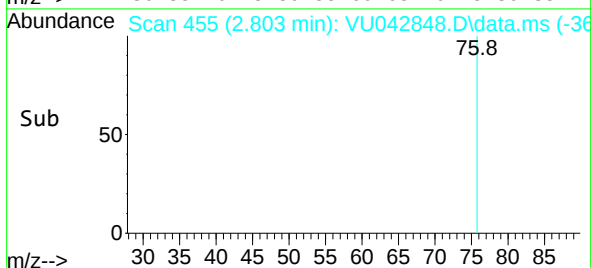
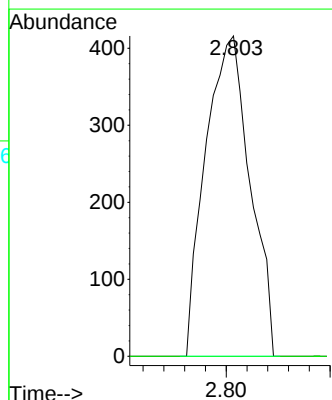
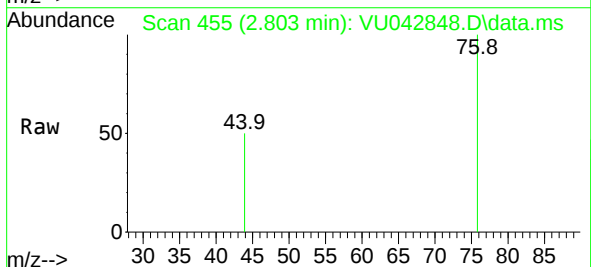
Instrument :
MSVOA_U
ClientSampleId :
VU0331MBL01

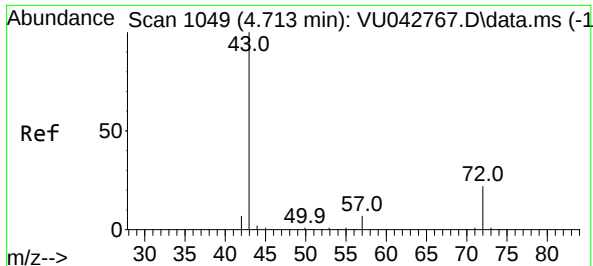
Tgt Ion: 43 Resp: 605
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#



#17
Carbon Disulfide
Concen: 0.26 ug/l
RT: 2.803 min Scan# 455
Delta R.T. 0.003 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Tgt Ion: 76 Resp: 620
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

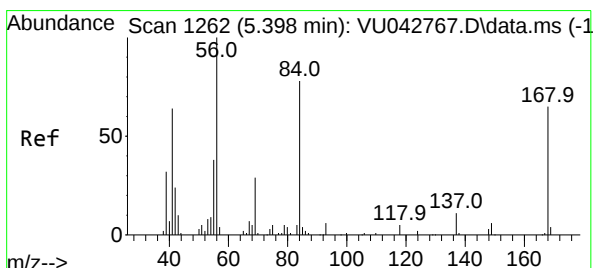
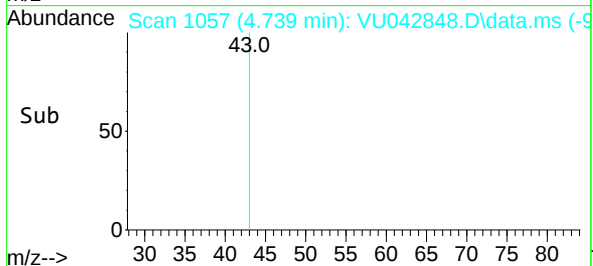
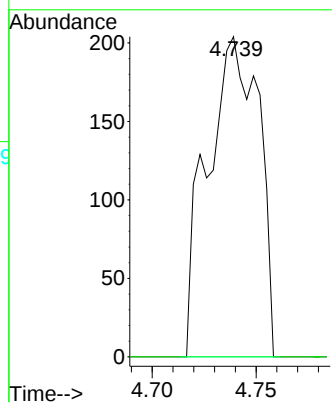
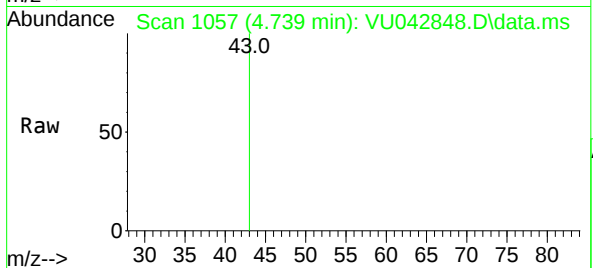




#25
2-Butanone
Concen: 0.29 ug/l
RT: 4.739 min Scan# 1057
Delta R.T. 0.026 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

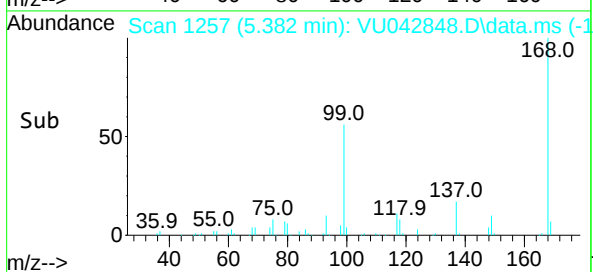
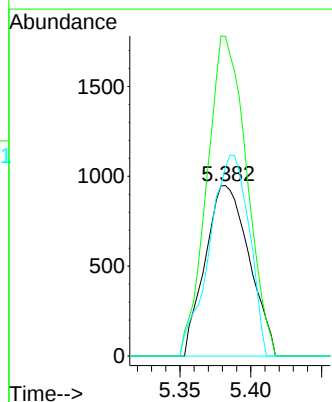
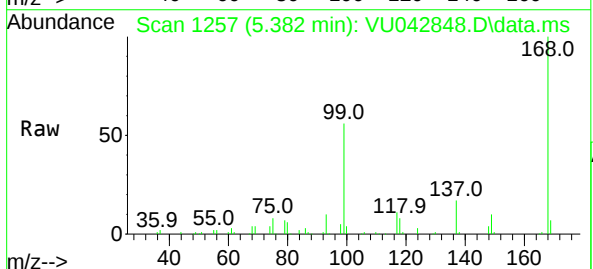
Instrument :
MSVOA_U
ClientSampleId :
VU0331MBL01

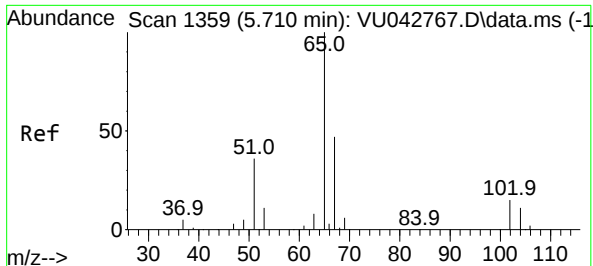
Tgt Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.10 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Tgt Ion: 56 Resp: 2040
Ion Ratio Lower Upper
56 100
69 187.4 23.3 34.9#
84 111.0 62.2 93.4#





#33

1,2-Dichloroethane-d4

Concen: 49.33 ug/l

RT: 5.713 min Scan# 1360

Delta R.T. 0.003 min

Lab File: VU042848.D

Acq: 31 Mar 2021 11:28

Tgt Ion: 65 Resp: 73570

Ion Ratio Lower Upper

65 100

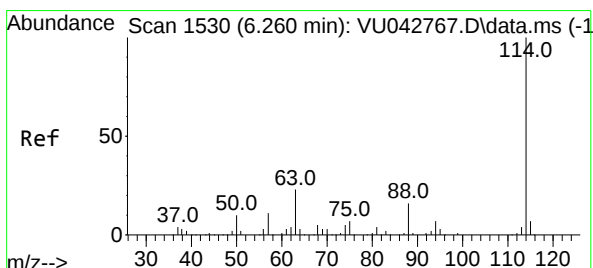
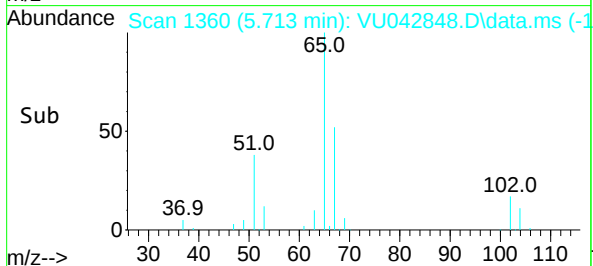
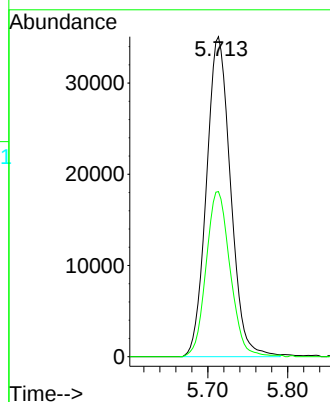
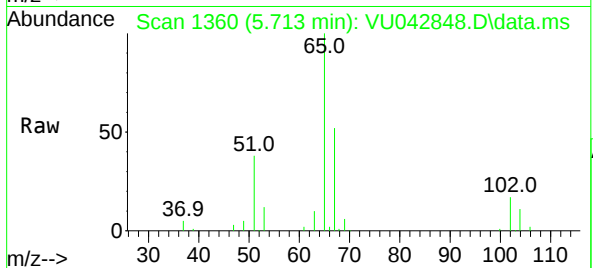
67 51.4 0.0 98.8

Instrument :

MSVOA_U

ClientSampleId :

VU0331MBL01



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.260 min Scan# 1530

Delta R.T. -0.000 min

Lab File: VU042848.D

Acq: 31 Mar 2021 11:28

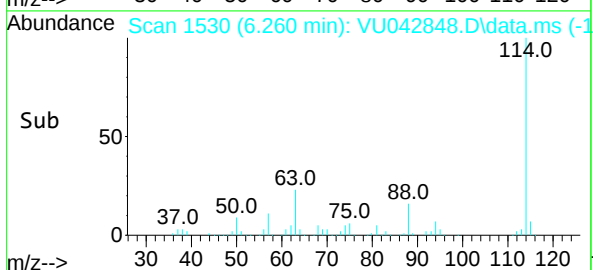
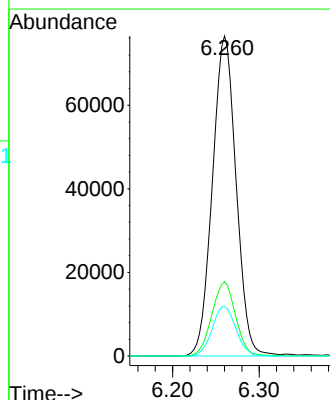
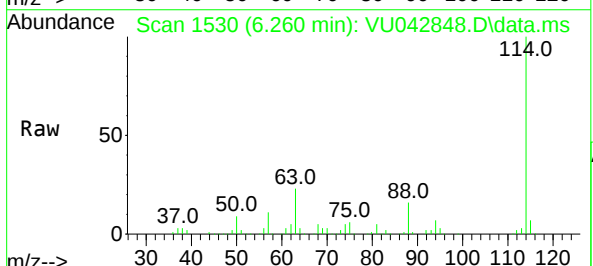
Tgt Ion: 114 Resp: 145264

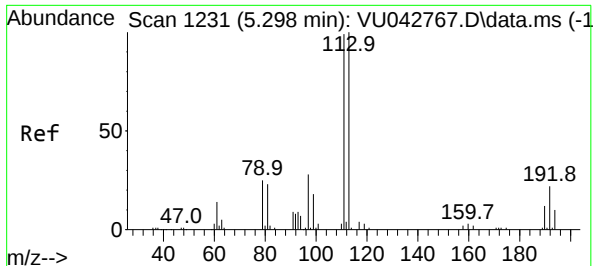
Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.8

88 15.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.28 ug/l

RT: 5.299 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU042848.D

Acq: 31 Mar 2021 11:28

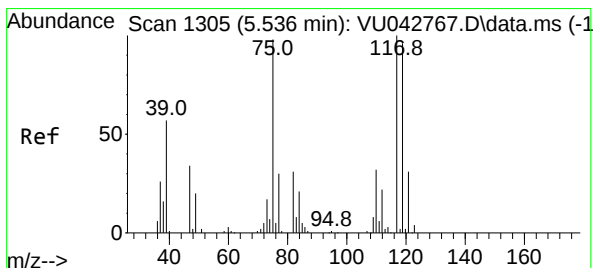
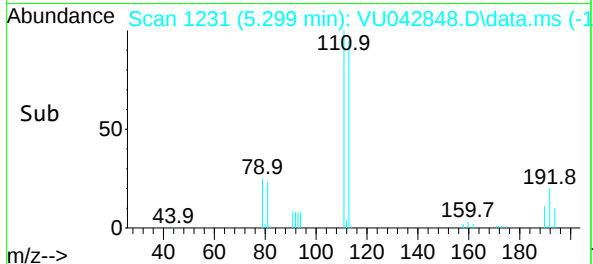
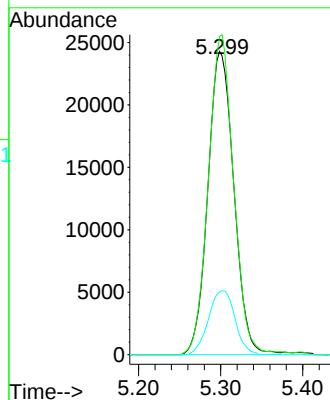
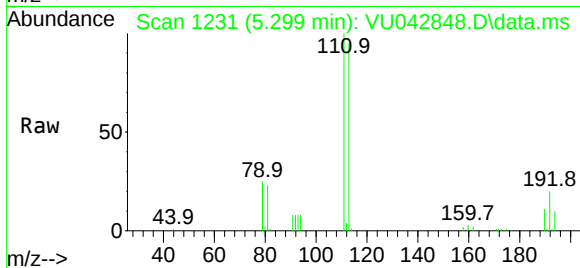
Tgt Ion:113 Resp: 53425

Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 21.5 17.6 26.4



#36

1,1-Dichloropropene

Concen: 5.31 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. -0.151 min

Lab File: VU042848.D

Acq: 31 Mar 2021 11:28

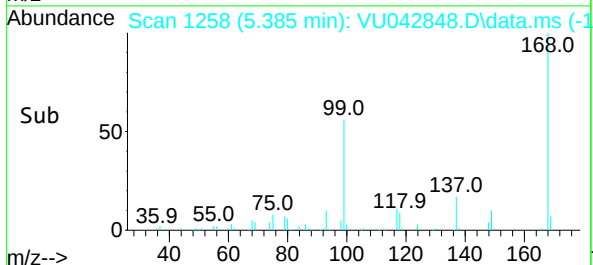
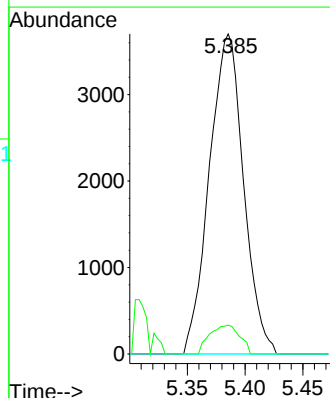
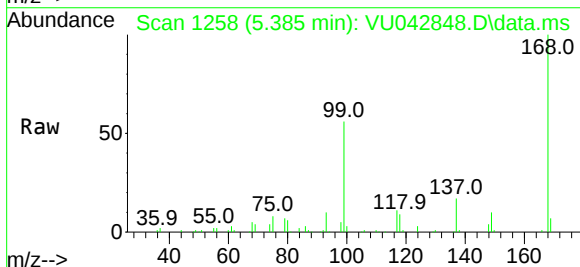
Tgt Ion: 75 Resp: 7627

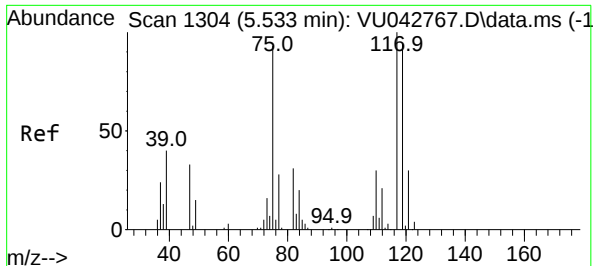
Ion Ratio Lower Upper

75 100

110 7.9 16.6 49.7#

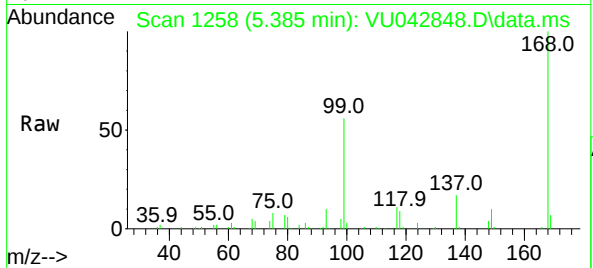
77 0.0 24.7 37.1#



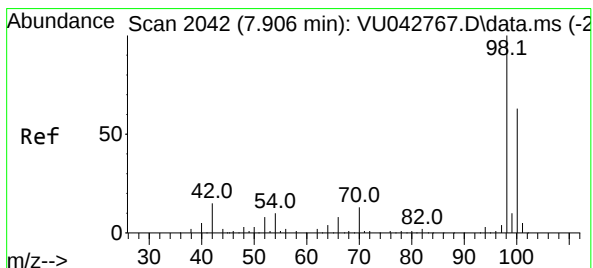
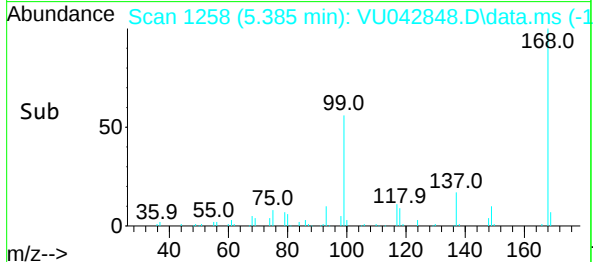
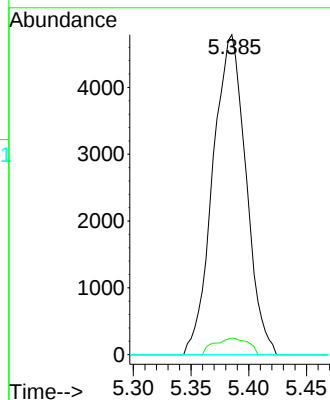


#38
Carbon Tetrachloride
Concen: 5.82 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Instrument :
MSVOA_U
ClientSampleId :
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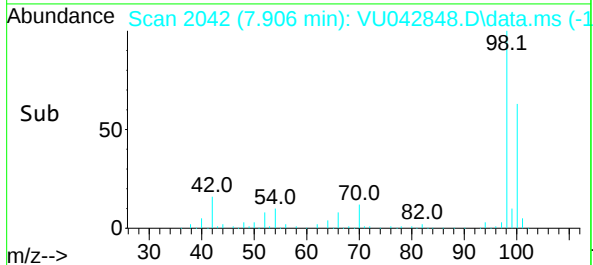
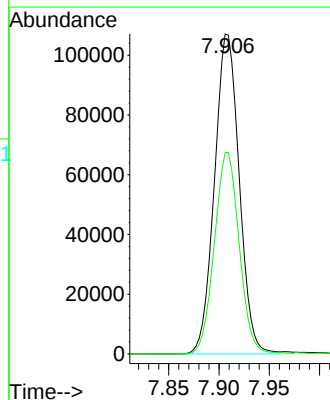
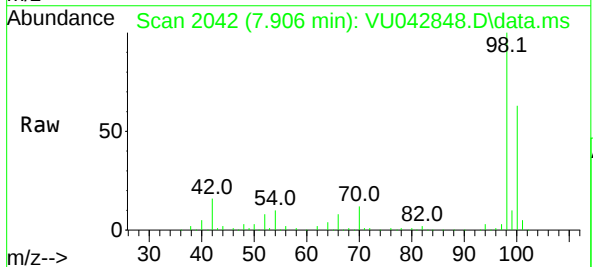


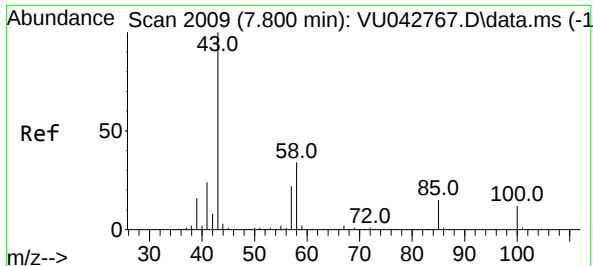
Tgt Ion:117 Resp: 9545
Ion Ratio Lower Upper
117 100
119 5.2 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.07 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Tgt Ion: 98 Resp: 183347
Ion Ratio Lower Upper
98 100
100 63.2 50.4 75.6

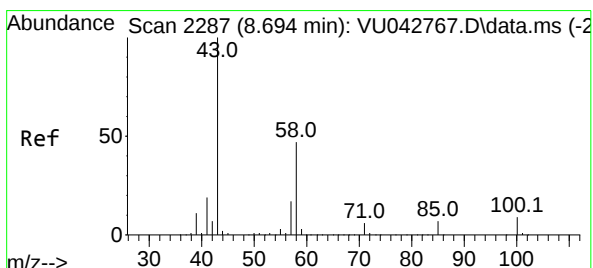
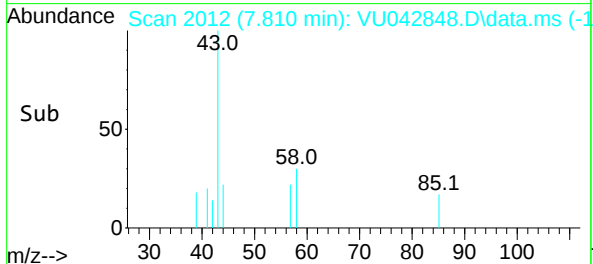
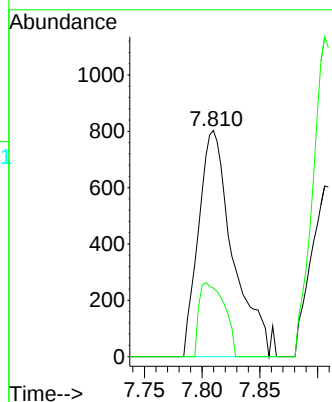
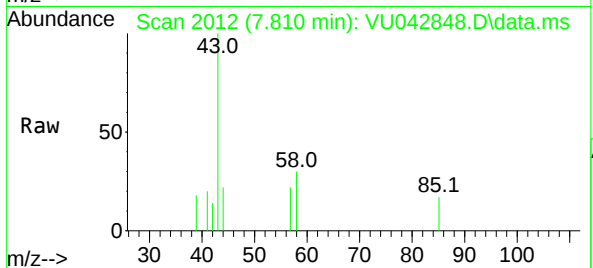




#51
4-Methyl-2-Pentanone
Concen: 0.71 ug/l
RT: 7.810 min Scan# 2012
Delta R.T. 0.010 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

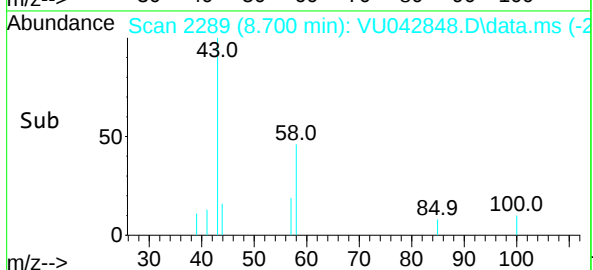
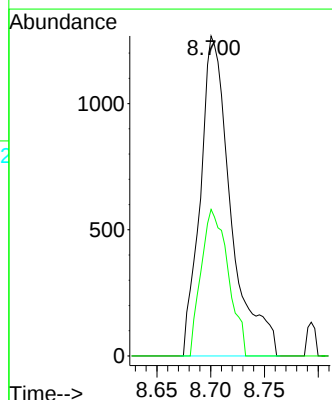
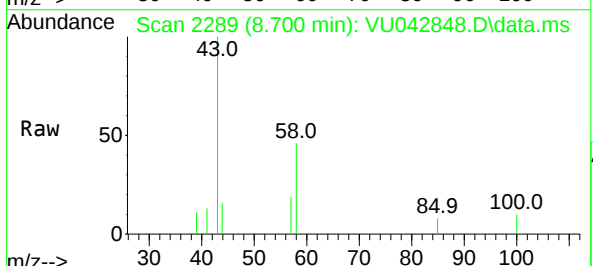
Instrument :
MSVOA_U
ClientSampleId :
VU0331MBL01

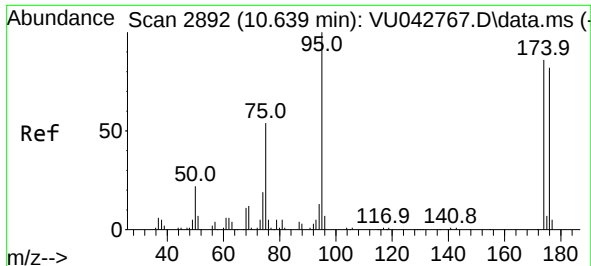
Tgt Ion: 43 Resp: 1673
Ion Ratio Lower Upper
43 100
58 23.8 27.4 41.2#



#59
2-Hexanone
Concen: 1.34 ug/l
RT: 8.700 min Scan# 2289
Delta R.T. 0.007 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Tgt Ion: 43 Resp: 2511
Ion Ratio Lower Upper
43 100
58 40.4 23.8 71.2

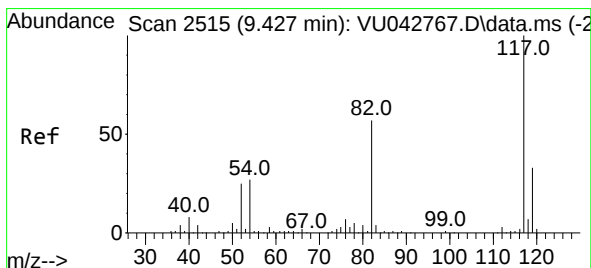
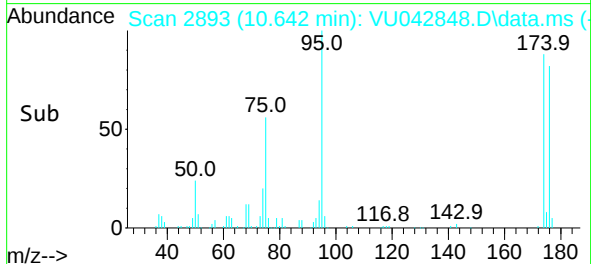
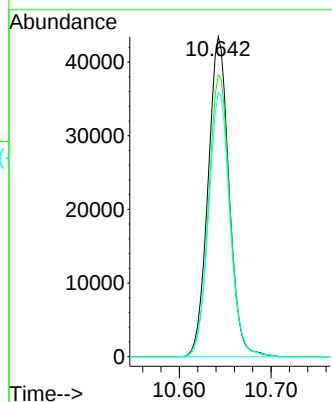
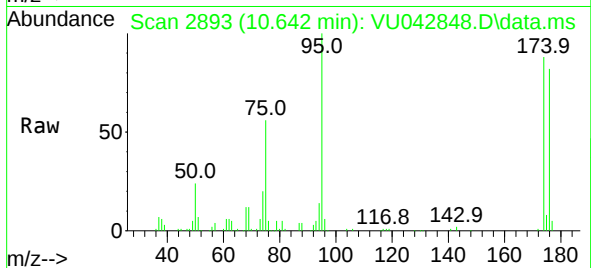




#62
4-Bromofluorobenzene
Concen: 46.55 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

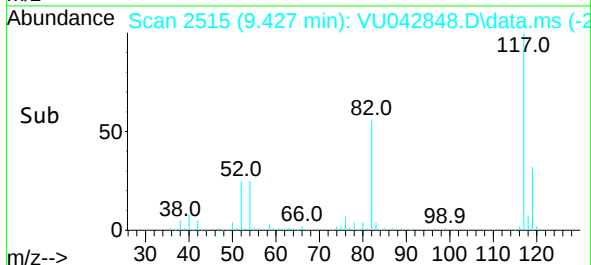
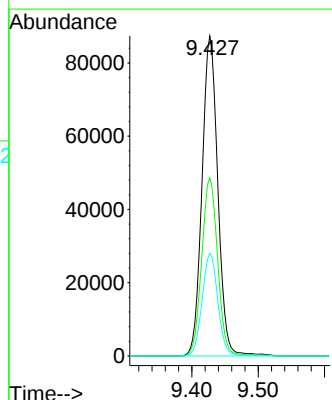
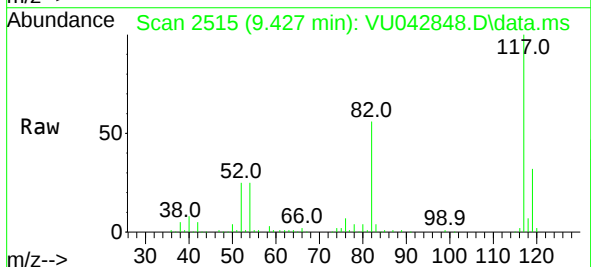
Instrument :
MSVOA_U
ClientSampleId :
VU0331MBL01

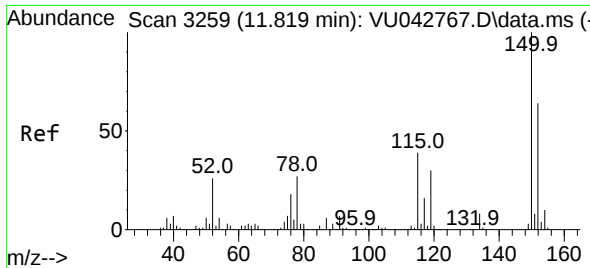
Tgt Ion: 95 Resp: 68993
Ion Ratio Lower Upper
95 100
174 89.9 0.0 175.2
176 84.1 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Tgt Ion: 117 Resp: 144935
Ion Ratio Lower Upper
117 100
82 55.7 45.5 68.3
119 32.1 26.2 39.4

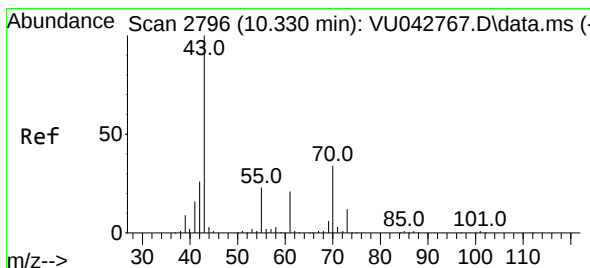
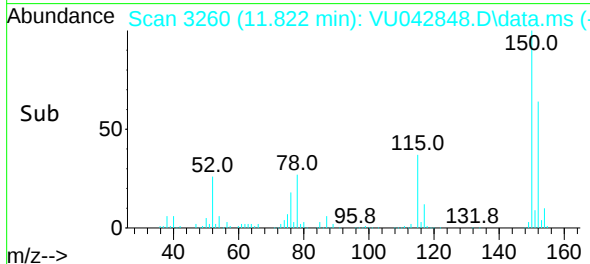
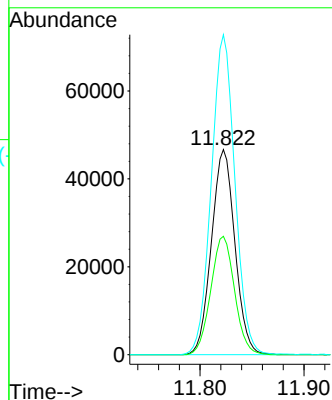
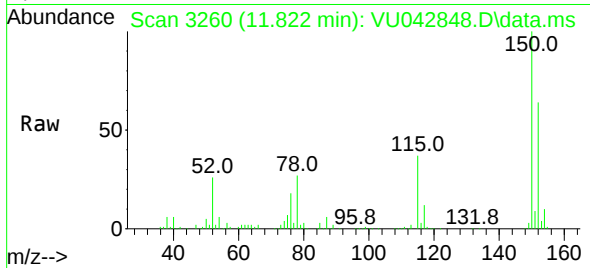




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.822 min Scan# 3260
Delta R.T. 0.003 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

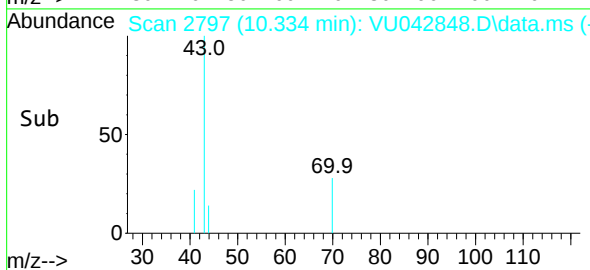
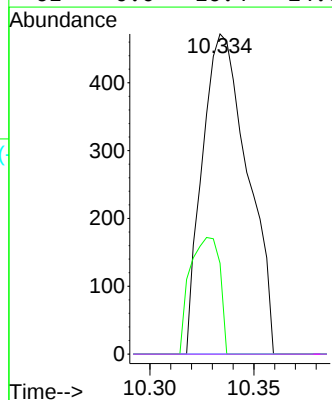
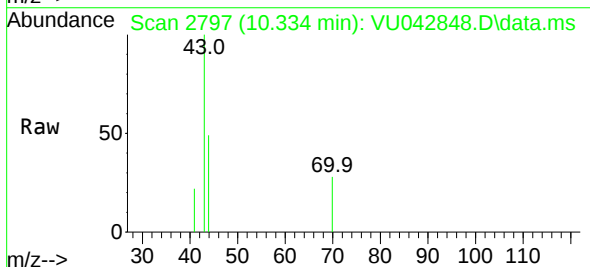
Instrument :
MSVOA_U
ClientSampleId :
VU0331MBL01

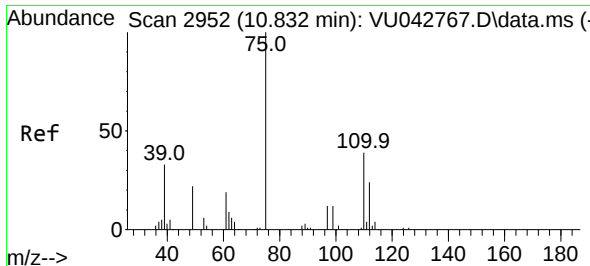
Tgt Ion:152 Resp: 73244
Ion Ratio Lower Upper
152 100
115 58.3 41.0 123.0
150 157.1 0.0 341.0



#74
N-ethyl acetate
Concen: 0.27 ug/l
RT: 10.334 min Scan# 2797
Delta R.T. 0.003 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
70 23.9 27.8 41.6#
55 0.0 18.4 27.6#
61 0.0 16.4 24.6#

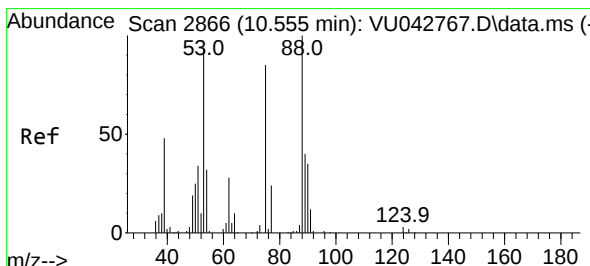
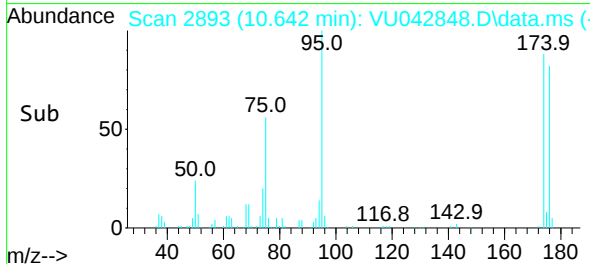
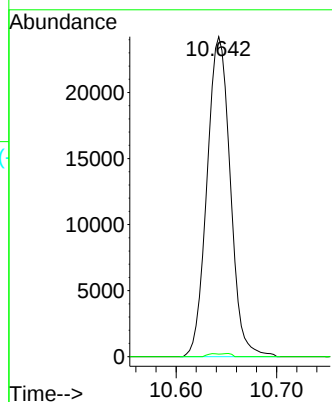
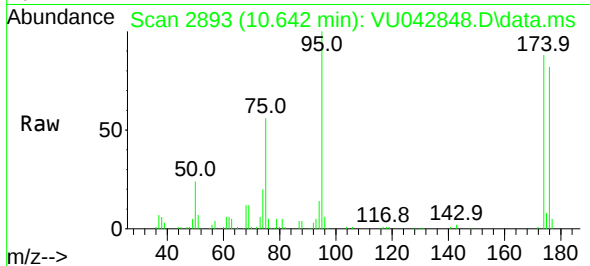




#76
1,2,3-Trichloropropane
Concen: 20.98 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.189 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

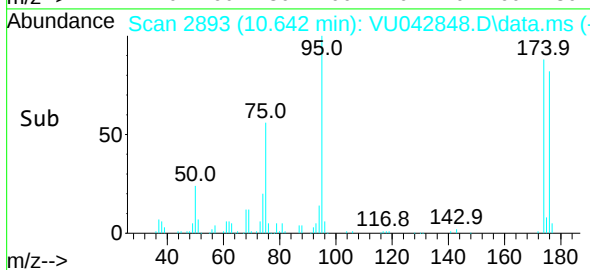
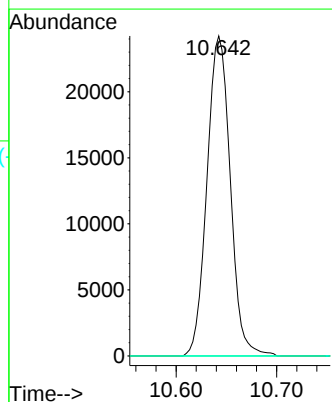
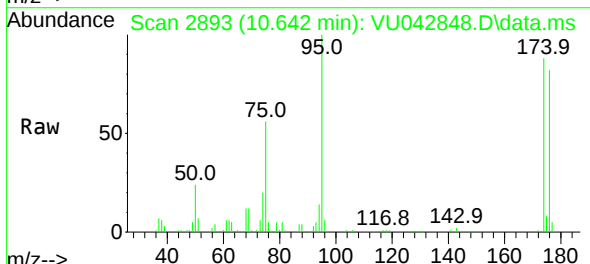
Instrument :
MSVOA_U
ClientSampleId :
VU0331MBL01

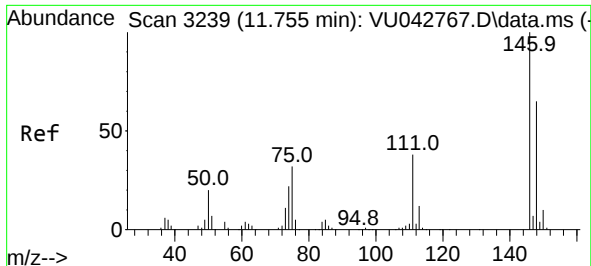
Tgt Ion: 75 Resp: 39076
Ion Ratio Lower Upper
75 100
77 0.5 19.6 58.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.15 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.087 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Tgt Ion: 75 Resp: 39076
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#





#87

1,3-Dichlorobenzene

Concen: 0.27 ug/l

RT: 11.755 min Scan# 3239

Delta R.T. 0.000 min

Lab File: VU042848.D

Acq: 31 Mar 2021 11:28

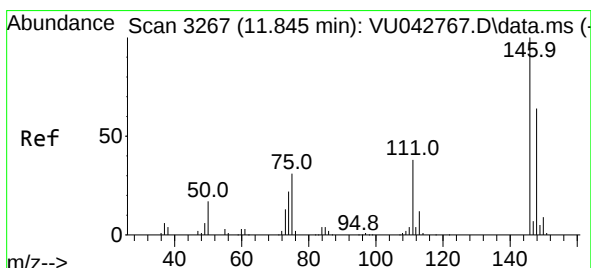
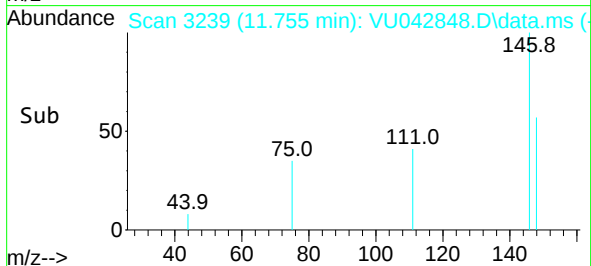
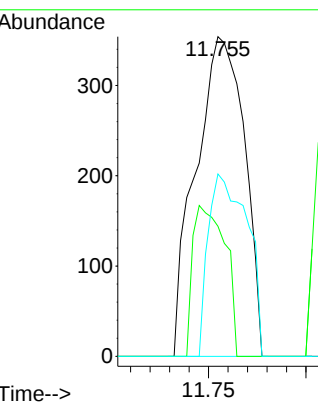
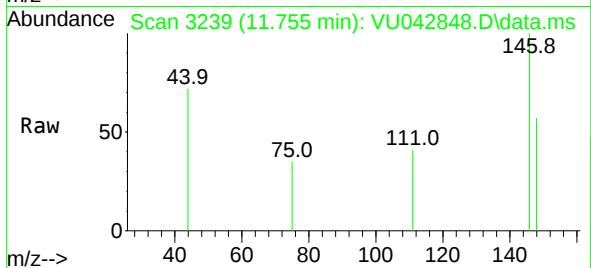
Tgt Ion:146 Resp: 615

Ion Ratio Lower Upper

146 100

111 31.4 19.4 58.4

148 45.7 32.6 97.7



#88

1,4-Dichlorobenzene

Concen: 0.26 ug/l

RT: 11.755 min Scan# 3239

Delta R.T. -0.090 min

Lab File: VU042848.D

Acq: 31 Mar 2021 11:28

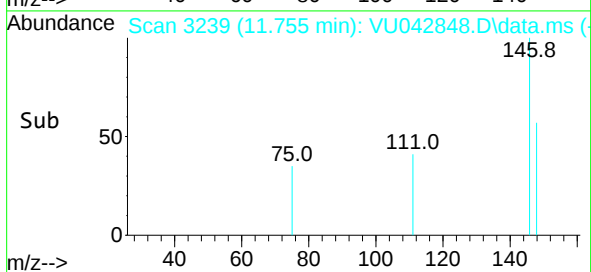
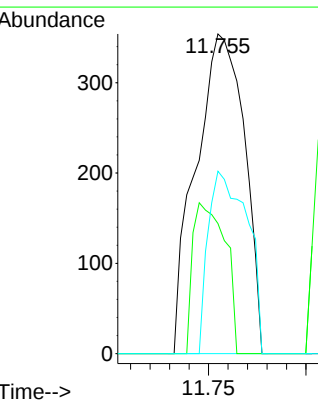
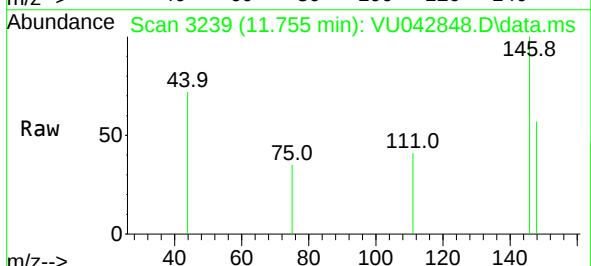
Tgt Ion:146 Resp: 615

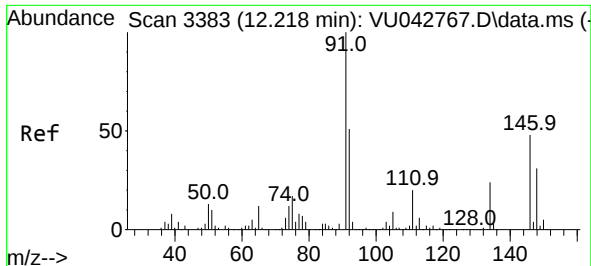
Ion Ratio Lower Upper

146 100

111 31.4 19.4 58.2

148 45.7 32.4 97.0

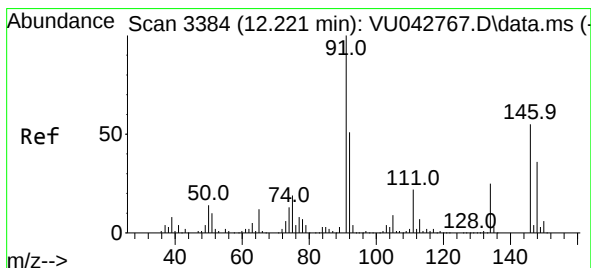
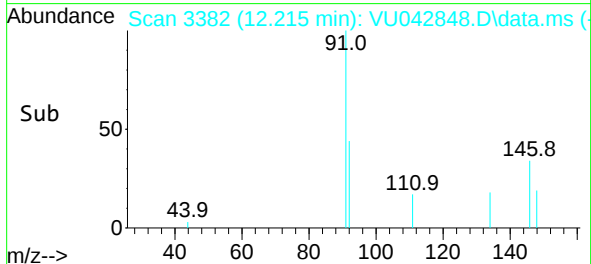
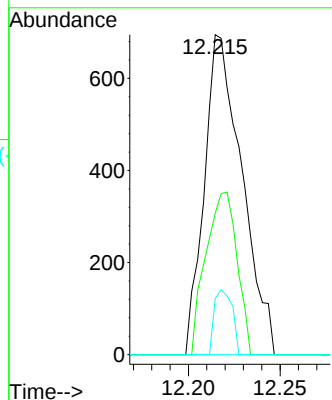
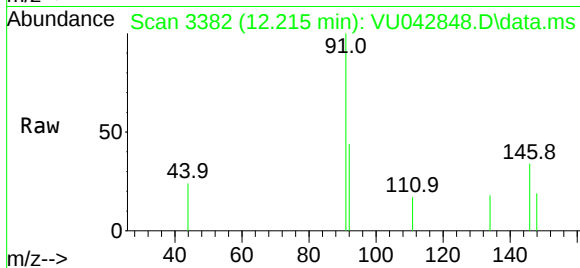




#89
n-Butylbenzene
Concen: 0.25 ug/l
RT: 12.215 min Scan# 3382
Delta R.T. -0.003 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

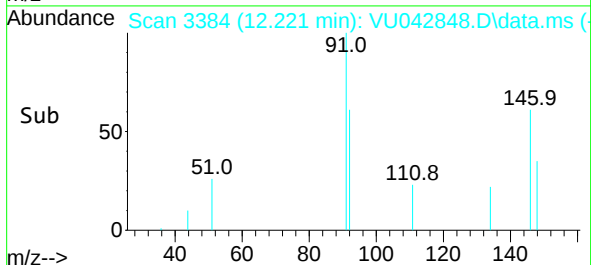
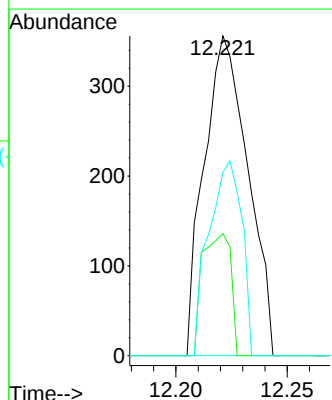
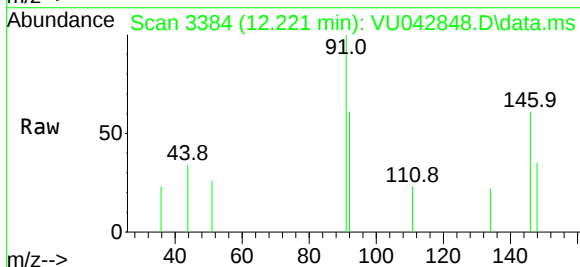
Instrument :
MSVOA_U
ClientSampleId :
VU0331MBL01

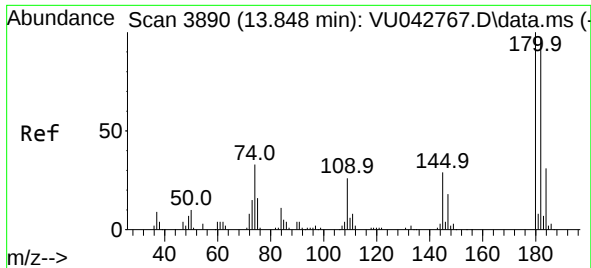
Tgt Ion: 91 Resp: 990
Ion Ratio Lower Upper
91 100
92 42.0 25.7 77.1
134 9.6 12.1 36.3#



#91
1,2-Dichlorobenzene
Concen: 0.21 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.000 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

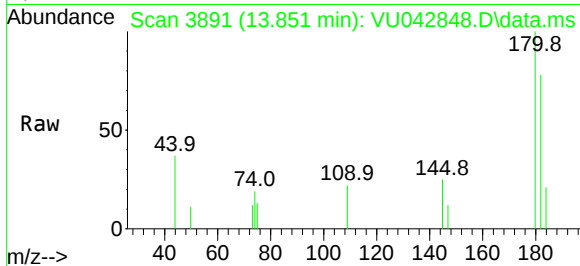
Tgt Ion: 146 Resp: 487
Ion Ratio Lower Upper
146 100
111 24.6 20.0 60.0
148 45.8 32.5 97.4



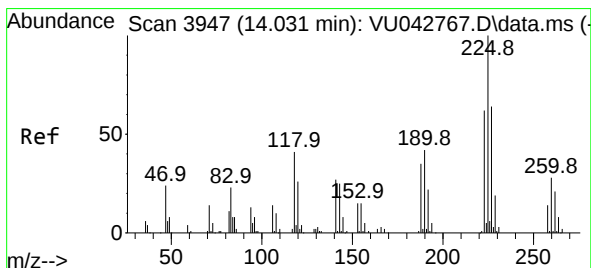
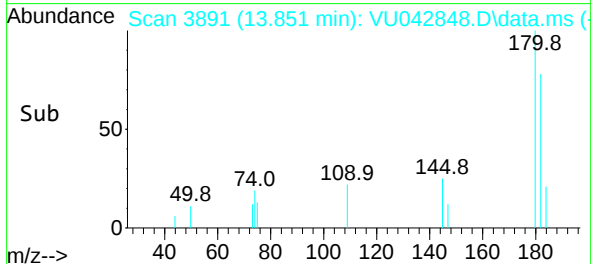
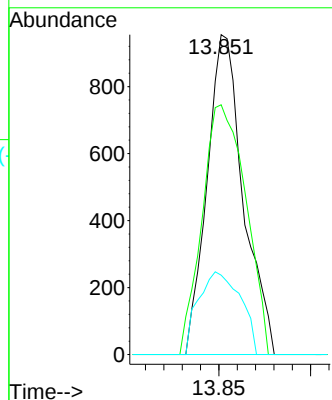


#93
1,2,4-Trichlorobenzene
Concen: 0.88 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Instrument :
MSVOA_U
ClientSampleId :
VU0331MBL01

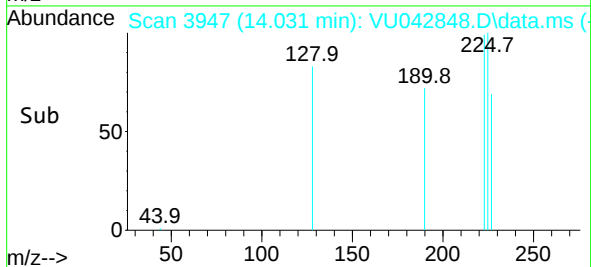
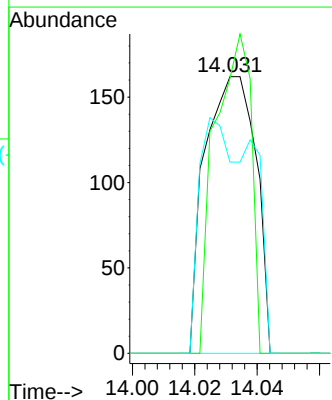
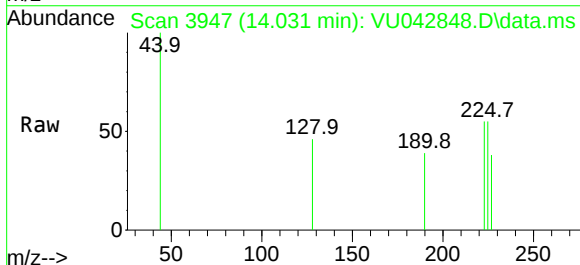


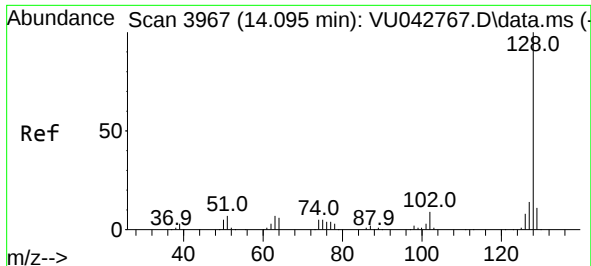
Tgt Ion:180 Resp: 1306
Ion Ratio Lower Upper
180 100
182 94.3 48.0 144.0
145 30.2 14.5 43.5



#94
Hexachlorobutadiene
Concen: 0.21 ug/l
RT: 14.031 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Tgt Ion:225 Resp: 183
Ion Ratio Lower Upper
225 100
223 82.0 31.4 94.3
227 89.1 31.9 95.5

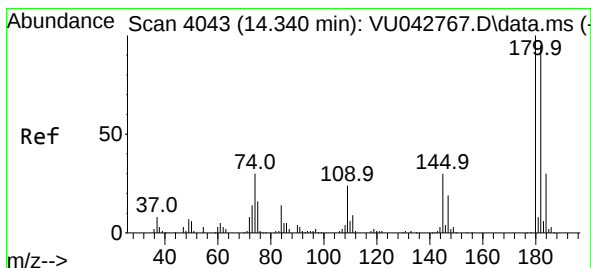
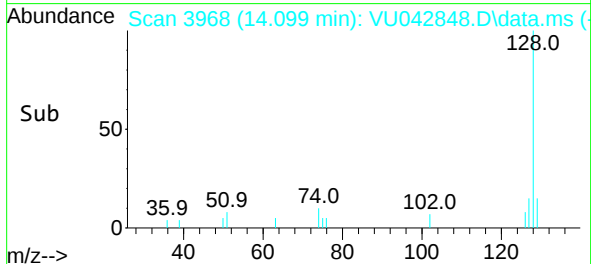
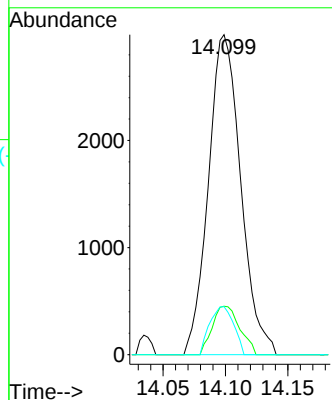
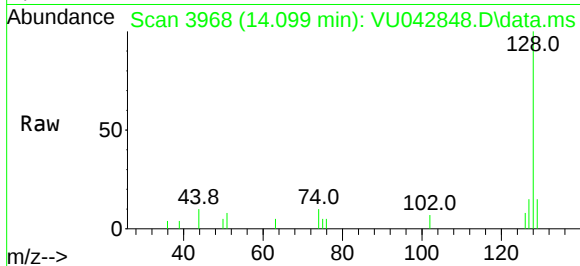




#95
Naphthalene
Concen: 3.61 ug/l
RT: 14.099 min Scan# 3968
Delta R.T. 0.004 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Instrument :
MSVOA_U
ClientSampleId :
VU0331MBL01

Tgt Ion:128 Resp: 5398
Ion Ratio Lower Upper
128 100
127 12.8 10.9 16.3
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.88 ug/l
RT: 14.340 min Scan# 4043
Delta R.T. 0.000 min
Lab File: VU042848.D
Acq: 31 Mar 2021 11:28

Tgt Ion:180 Resp: 1321
Ion Ratio Lower Upper
180 100
182 101.7 47.5 142.6
145 28.1 15.0 45.0

