

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
 Data File : VU048744.D
 Acq On : 31 May 2022 17:31
 Operator : SY/MD
 Sample : N3033-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-22

Quant Time: Jun 01 02:19:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

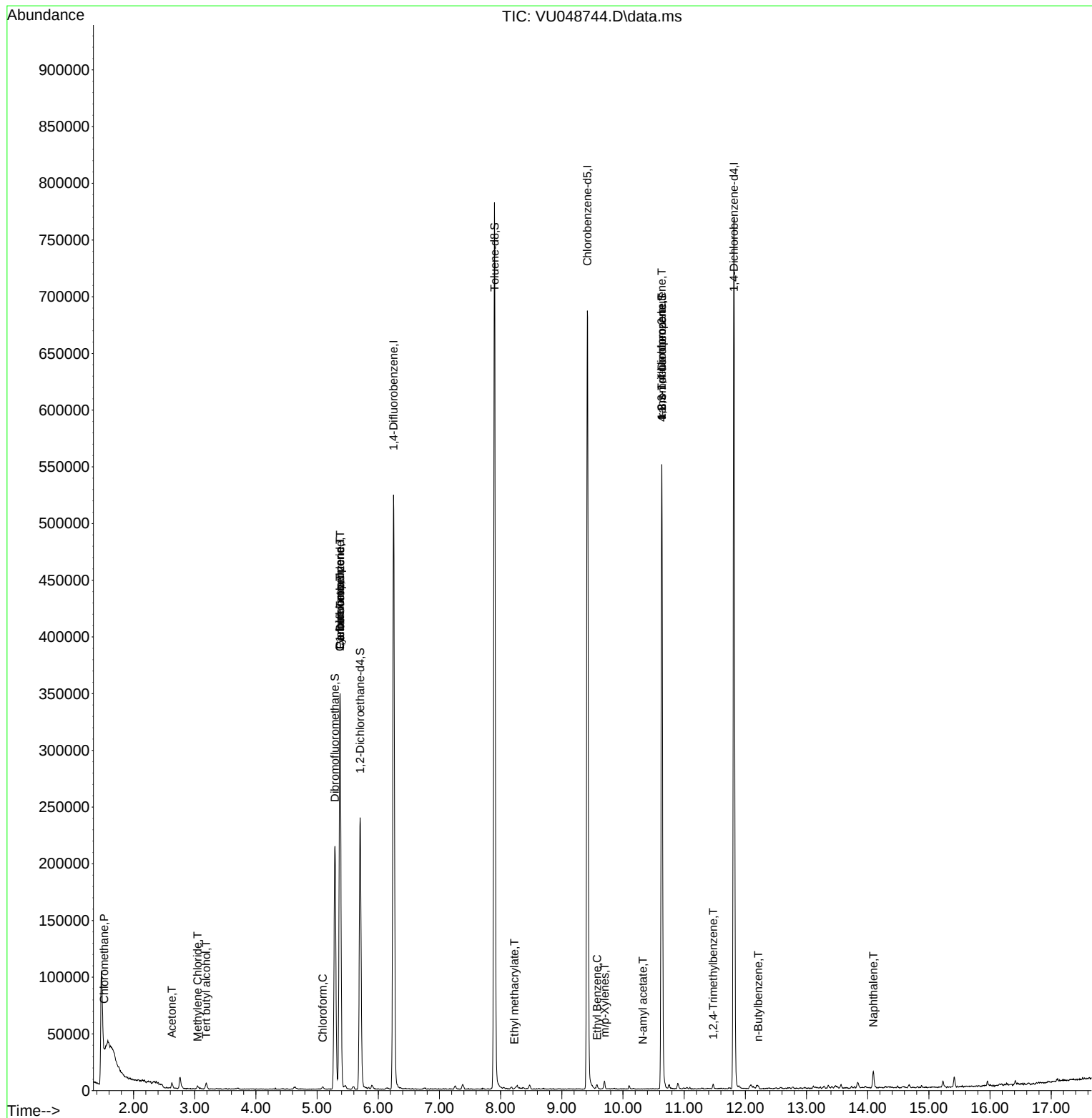
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.376	168	237452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	423878	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	392936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	201027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.704	65	185378	51.984	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.960%
35) Dibromofluoromethane	5.292	113	139767	46.219	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.440%
50) Toluene-d8	7.900	98	512015	47.233	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.460%
62) 4-Bromofluorobenzene	10.636	95	190779	46.536	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.080%
Target Compounds						Qvalue
3) Chloromethane	1.520	50	820	0.234	ug/l #	83
5) Bromomethane	1.881	94	44	Below Cal	#	3
6) Chloroethane	2.151	64	678	Below Cal	#	52
11) Tert butyl alcohol	3.186	59	3181	3.518	ug/l #	28
16) Acetone	2.626	43	5191	2.856	ug/l	95
20) Methylene Chloride	3.044	84	1057	0.342	ug/l	93
30) Chloroform	5.093	83	1908	0.352	ug/l	94
31) Cyclohexane	5.372	56	5494	1.222	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	19317	4.377	ug/l #	50
38) Carbon Tetrachloride	5.376	117	23616	4.664	ug/l #	17
56) Ethyl methacrylate	8.224	69	96	2.630	ug/l #	74
67) Ethyl Benzene	9.578	91	3087	0.220	ug/l #	67
68) m/p-Xylenes	9.700	106	2207	0.403	ug/l	94
74) N-amyl acetate	10.324	43	20	2.470	ug/l #	41
76) 1,2,3-Trichloropropane	10.633	75	97122	14.984	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.633	75	97122	54.406	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	2502	1.388	ug/l	99
89) n-Butylbenzene	12.211	91	1321	2.294	ug/l #	64
95) Naphthalene	14.092	128	13680	3.353	ug/l	99

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

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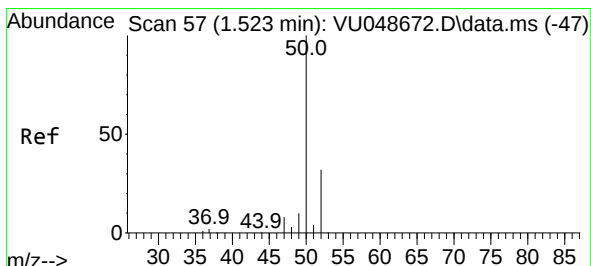
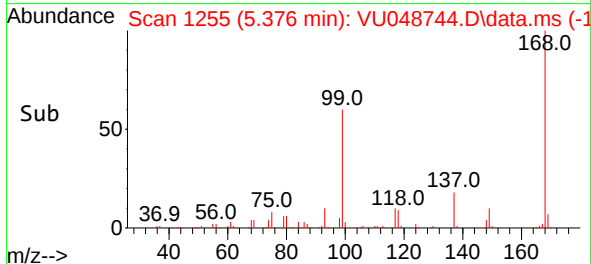
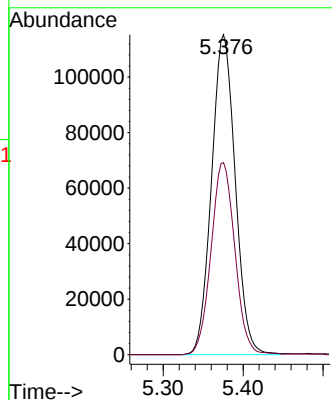
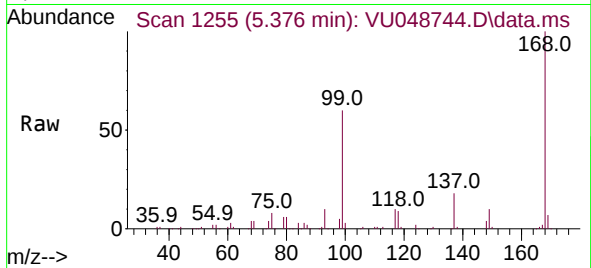




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.376 min Scan# 11
Delta R.T. 0.001 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

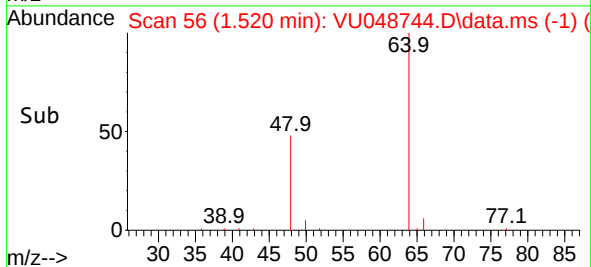
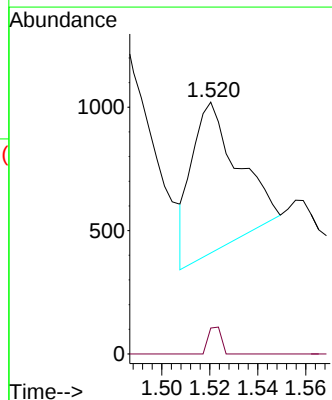
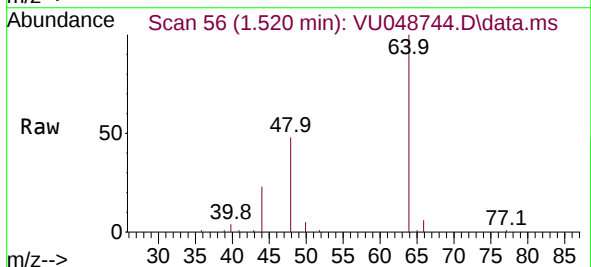
Instrument :
MSVOA_U
ClientSampleId :
TW-22

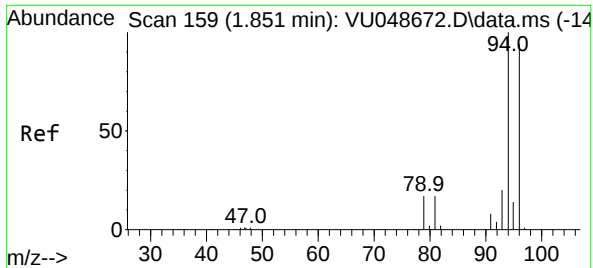
Tgt Ion:168 Resp: 237452
Ion Ratio Lower Upper
168 100
99 60.1 49.3 73.9



#3
Chloromethane
Concen: 0.234 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

Tgt Ion: 50 Resp: 820
Ion Ratio Lower Upper
50 100
52 22.9 25.7 38.5#

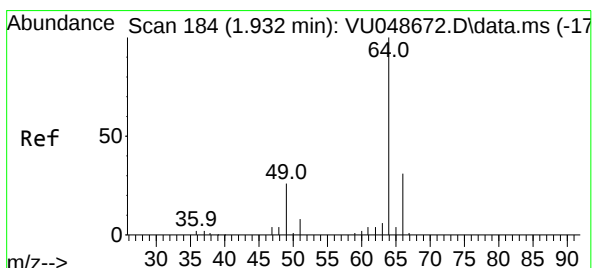
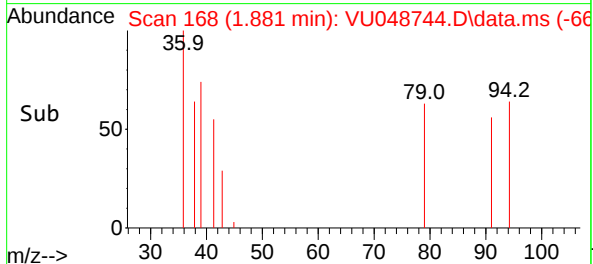
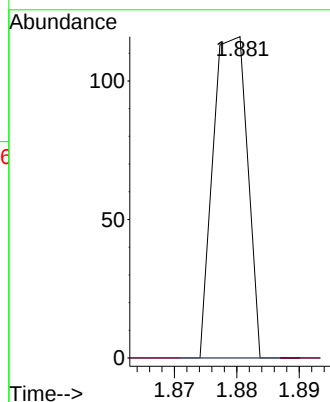
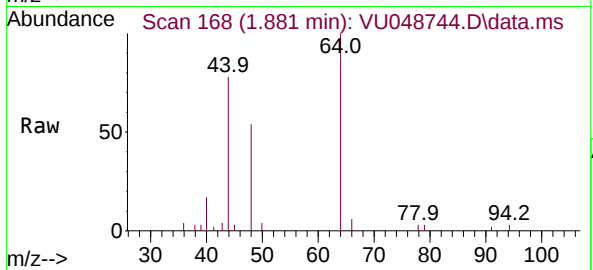




#5
Bromomethane
Concen: Below Cal
RT: 1.881 min Scan# 1
Delta R.T. 0.030 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

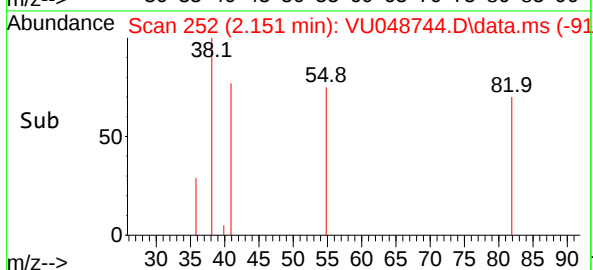
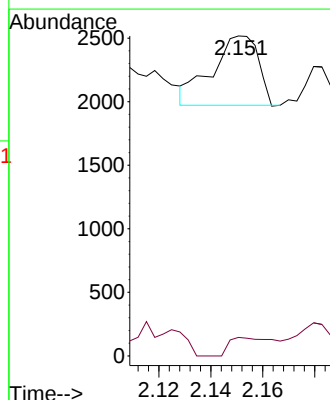
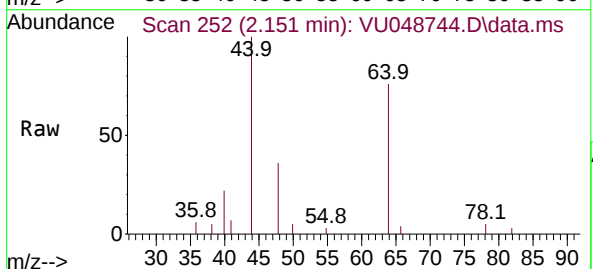
Instrument :
MSVOA_U
ClientSampleId :
TW-22

Tgt Ion: 94 Resp: 44
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 2.151 min Scan# 252
Delta R.T. 0.219 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

Tgt Ion: 64 Resp: 678
Ion Ratio Lower Upper
64 100
66 5.1 25.2 37.8#

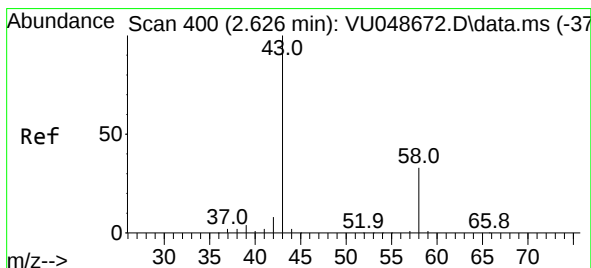
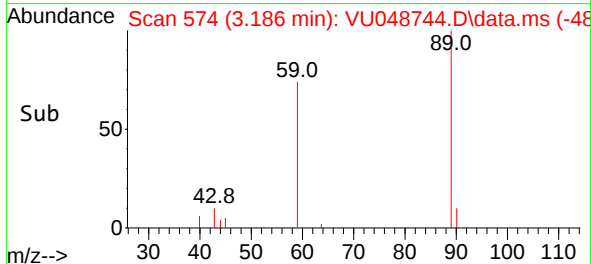
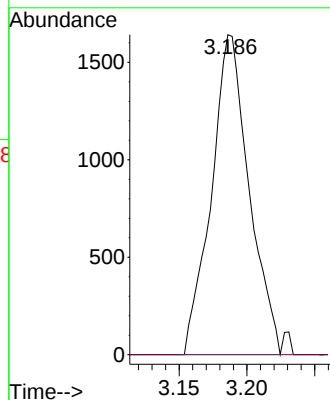
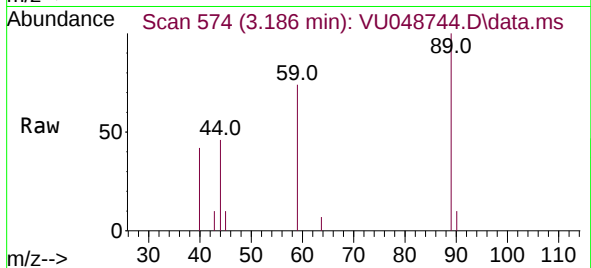




#11
Tert butyl alcohol
Concen: 3.518 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

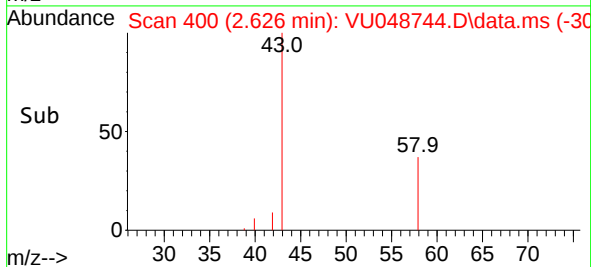
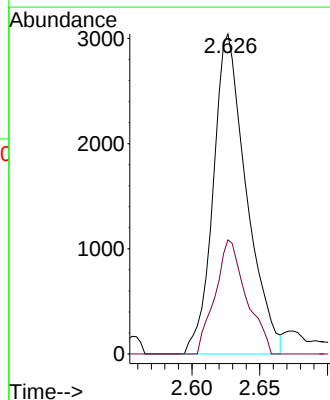
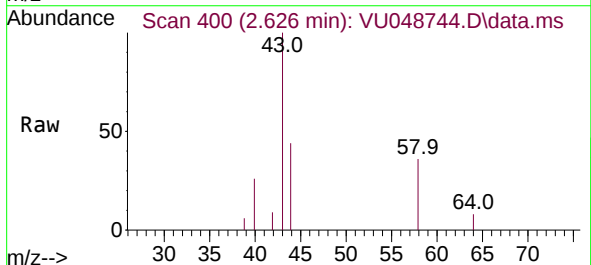
Instrument :
MSVOA_U
ClientSampleId :
TW-22

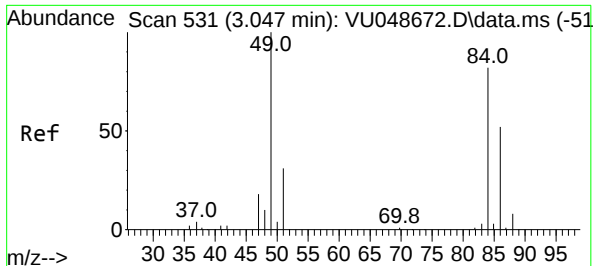
Tgt Ion: 59 Resp: 3181
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#16
Acetone
Concen: 2.856 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

Tgt Ion: 43 Resp: 5191
Ion Ratio Lower Upper
43 100
58 35.7 26.3 39.5

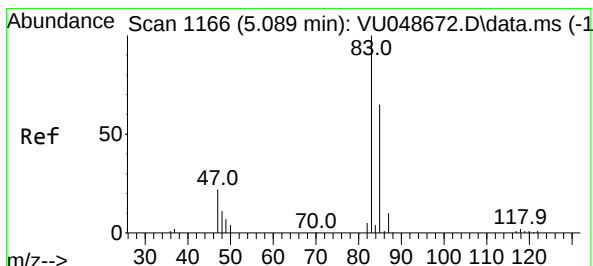
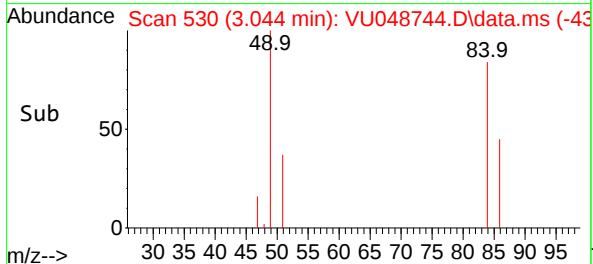
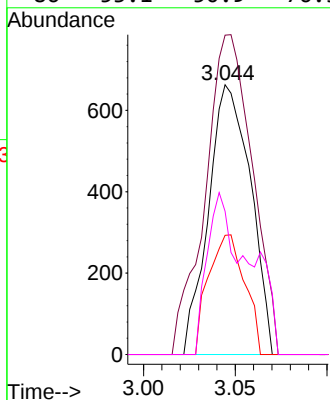
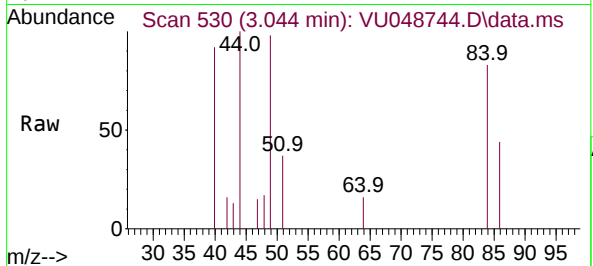




#20
Methylene Chloride
Concen: 0.342 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

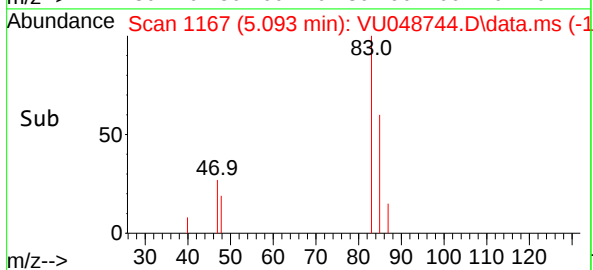
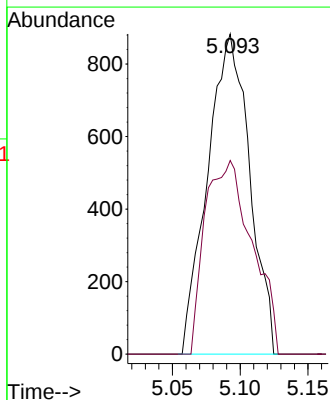
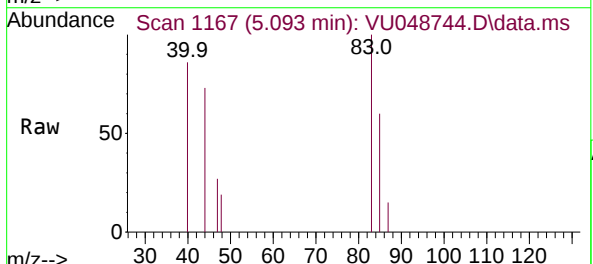
Instrument :
MSVOA_U
ClientSampleId :
TW-22

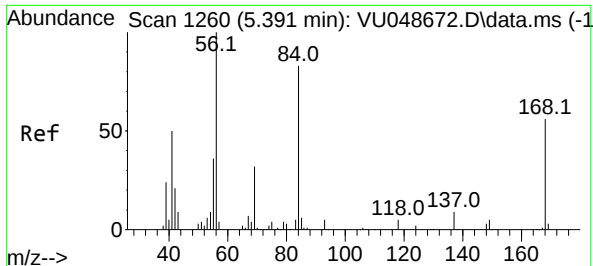
Tgt Ion: 84	Resp: 1057
Ion Ratio	Lower Upper
84 100	
49 118.4	97.0 145.4
51 44.2	29.8 44.8
86 53.1	50.9 76.3



#30
Chloroform
Concen: 0.352 ug/l
RT: 5.093 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

Tgt Ion: 83	Resp: 1908
Ion Ratio	Lower Upper
83 100	
85 60.5	52.2 78.2





#31

Cyclohexane

Concen: 1.222 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048744.D

Acq: 31 May 2022 17:31

Instrument :

MSVOA_U

ClientSampleId :

TW-22

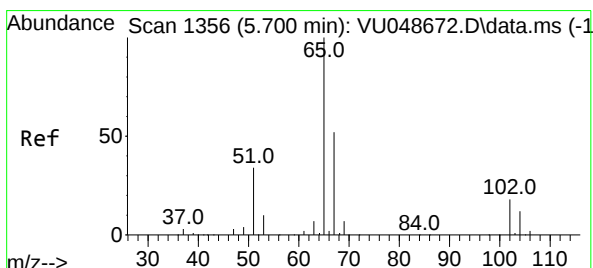
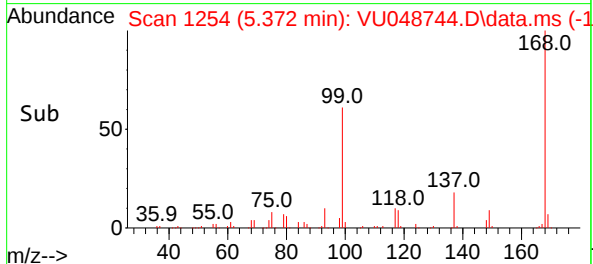
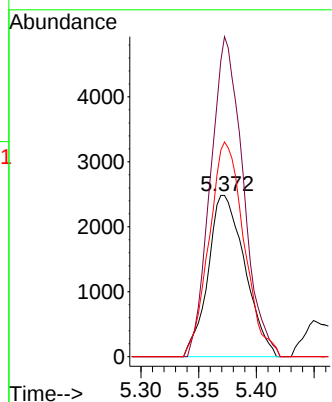
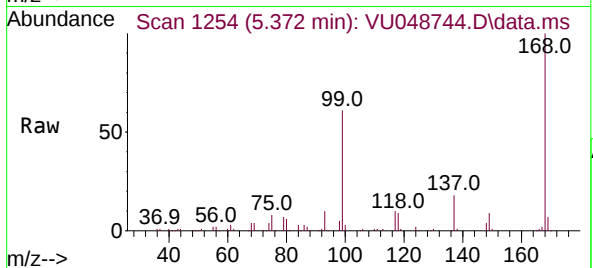
Tgt Ion: 56 Resp: 5494

Ion Ratio Lower Upper

56 100

69 198.4 25.6 38.4#

84 133.2 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 51.984 ug/l

RT: 5.704 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU048744.D

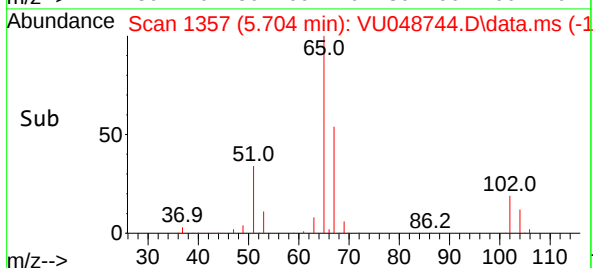
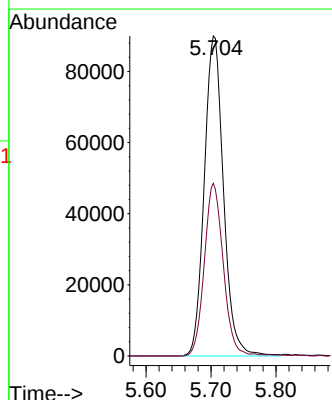
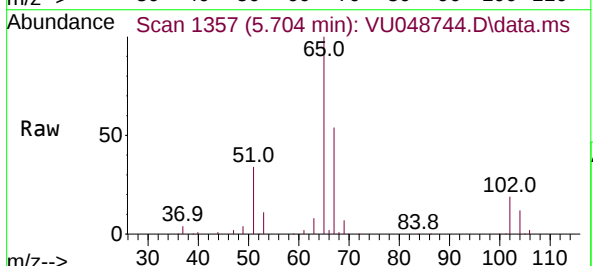
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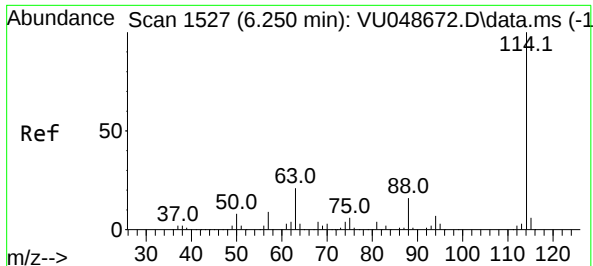
Tgt Ion: 65 Resp: 185378

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048744.D

Acq: 31 May 2022 17:31

Instrument :

MSVOA_U

ClientSampleId :

TW-22

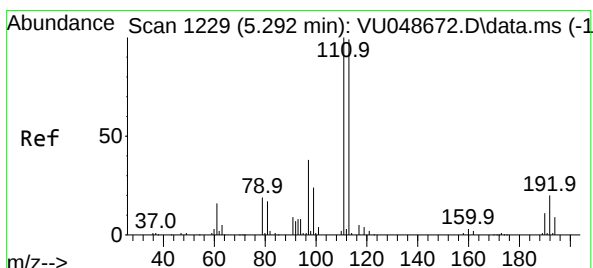
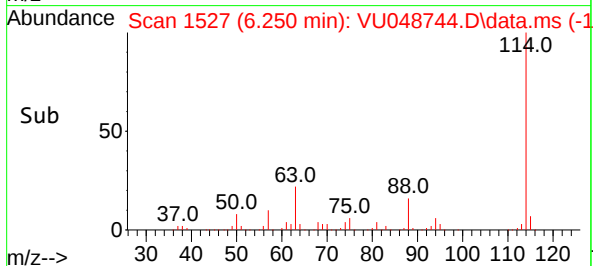
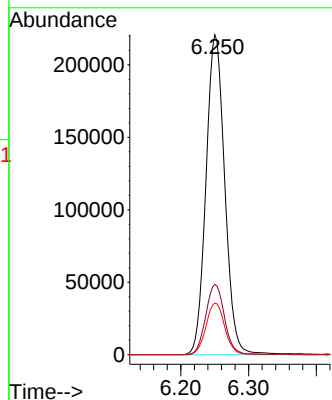
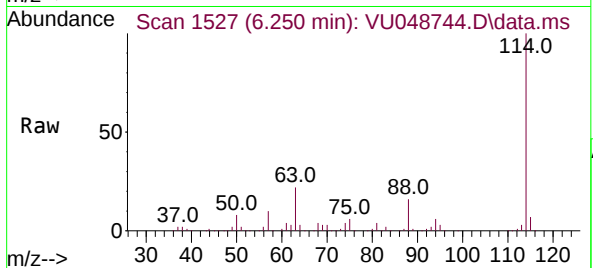
Tgt Ion:114 Resp: 423878

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.6

88 16.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.219 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU048744.D

Acq: 31 May 2022 17:31

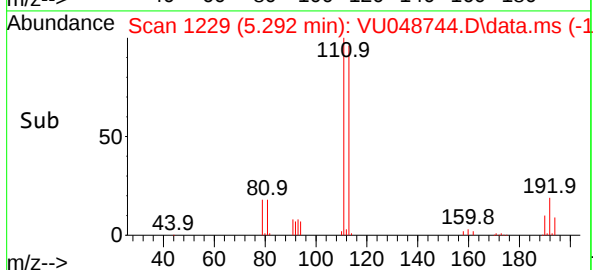
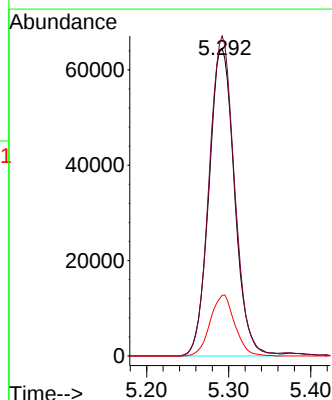
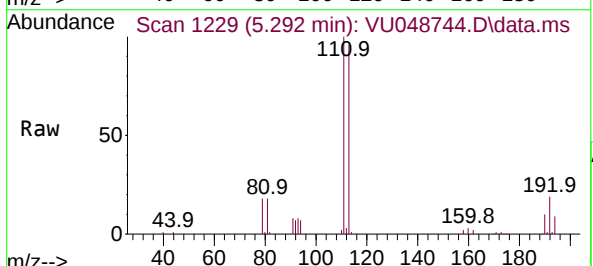
Tgt Ion:113 Resp: 139767

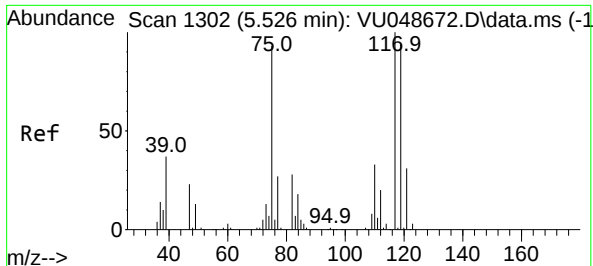
Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

192 19.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.377 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048744.D

Acq: 31 May 2022 17:31

Instrument :

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ClientSampleId :

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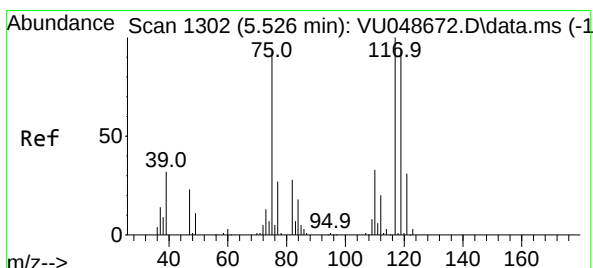
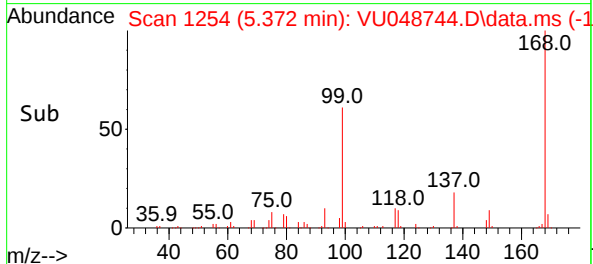
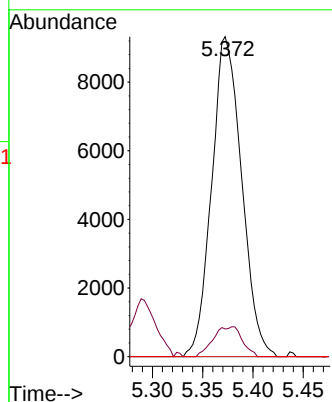
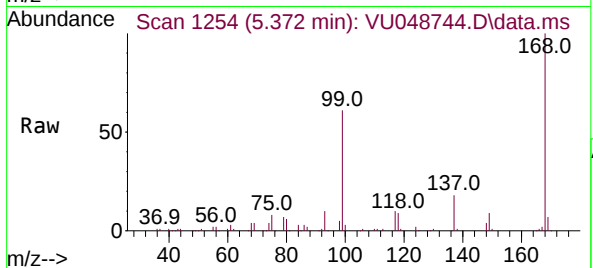
Tgt Ion: 75 Resp: 19317

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.664 ug/l

RT: 5.376 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048744.D

Acq: 31 May 2022 17:31

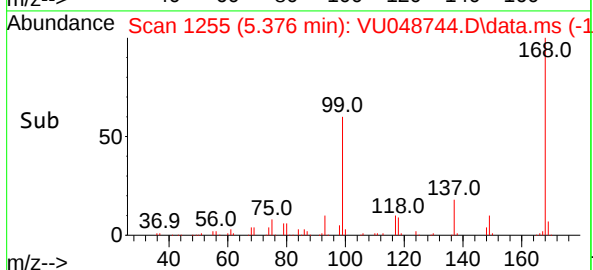
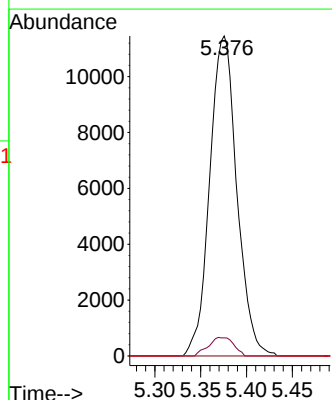
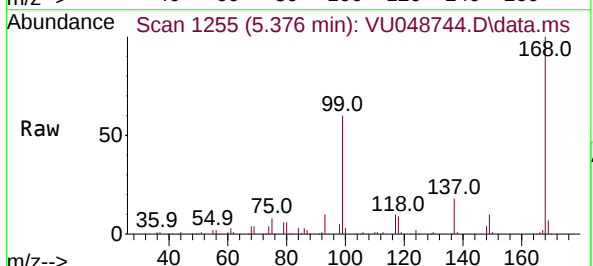
Tgt Ion: 117 Resp: 23616

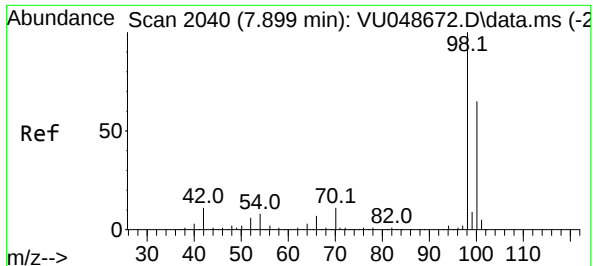
Ion Ratio Lower Upper

117 100

119 5.6 75.4 113.2#

121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 47.233 ug/l

RT: 7.900 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VU048744.D

Acq: 31 May 2022 17:31

Instrument :

MSVOA_U

ClientSampleId :

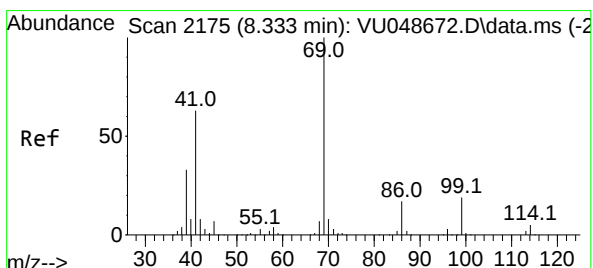
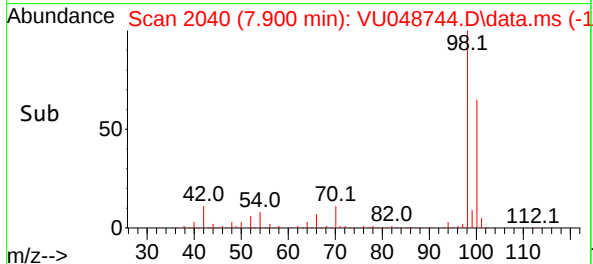
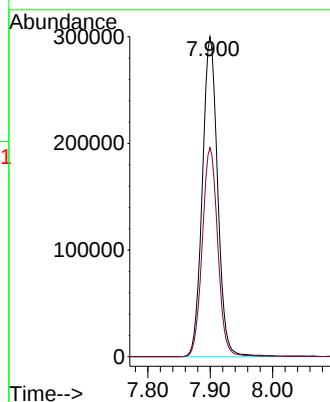
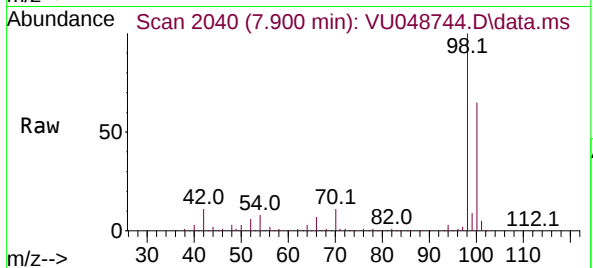
TW-22

Tgt Ion: 98 Resp: 512015

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.4



#56

Ethyl methacrylate

Concen: 2.630 ug/l

RT: 8.224 min Scan# 2141

Delta R.T. -0.109 min

Lab File: VU048744.D

Acq: 31 May 2022 17:31

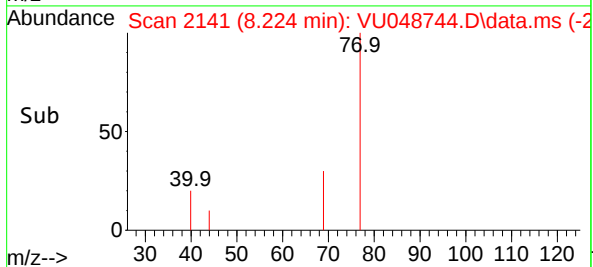
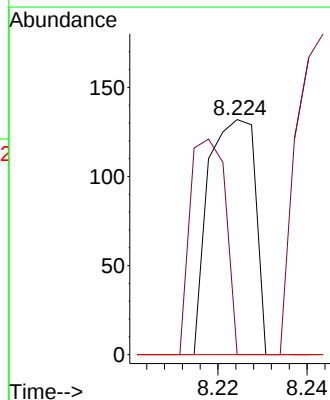
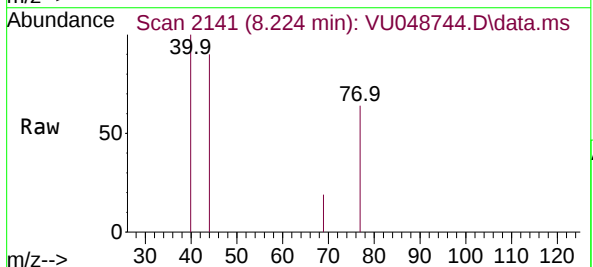
Tgt Ion: 69 Resp: 96

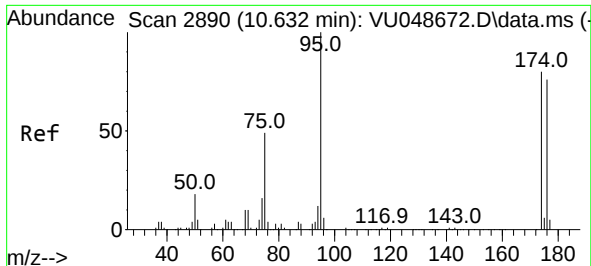
Ion Ratio Lower Upper

69 100

41 69.8 50.6 76.0

39 0.0 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 46.536 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU048744.D

Acq: 31 May 2022 17:31

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ClientSampleId :

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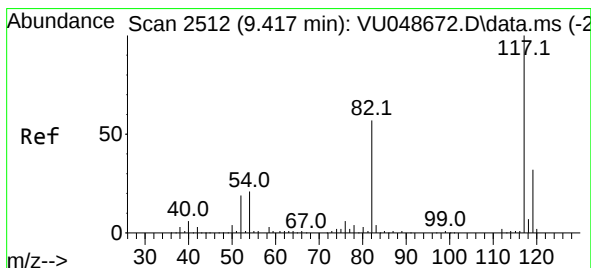
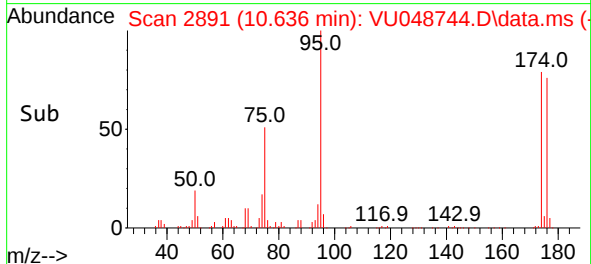
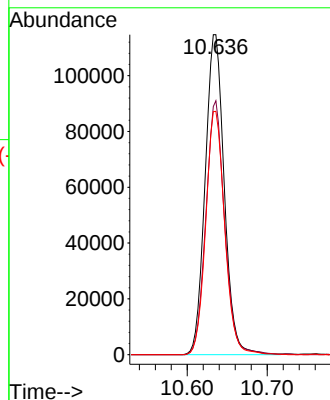
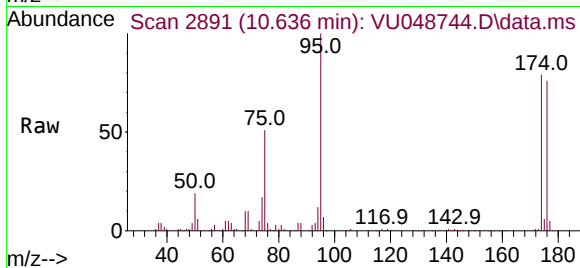
Tgt Ion: 95 Resp: 190779

Ion Ratio Lower Upper

95 100

174 78.1 0.0 159.4

176 75.6 0.0 152.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.417 min Scan# 2512

Delta R.T. 0.000 min

Lab File: VU048744.D

Acq: 31 May 2022 17:31

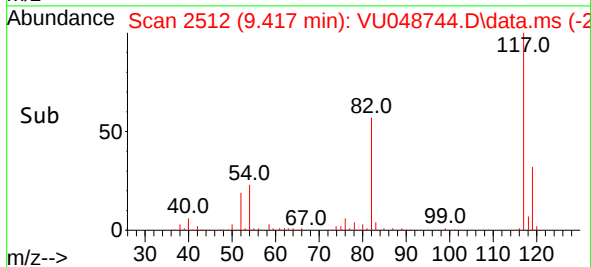
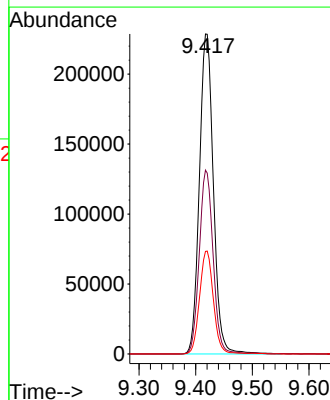
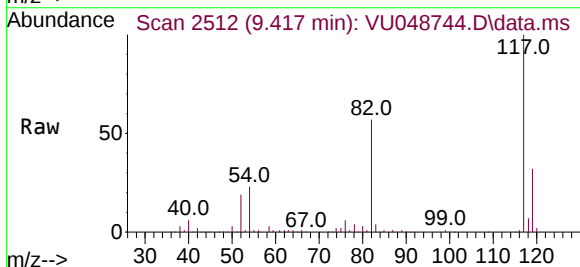
Tgt Ion: 117 Resp: 392936

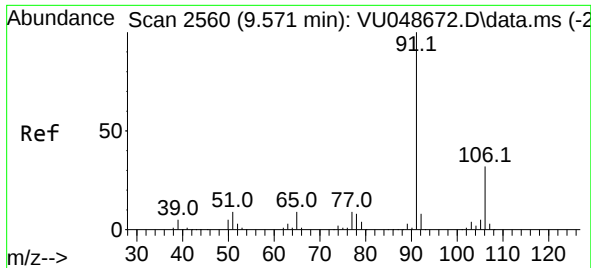
Ion Ratio Lower Upper

117 100

82 57.4 45.3 67.9

119 32.1 25.4 38.2

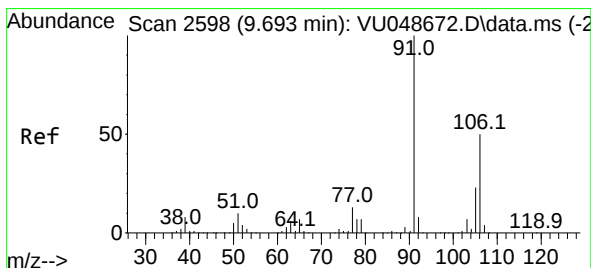
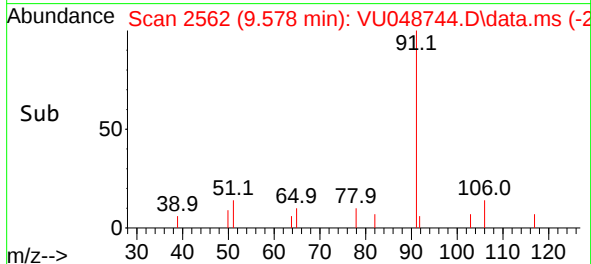
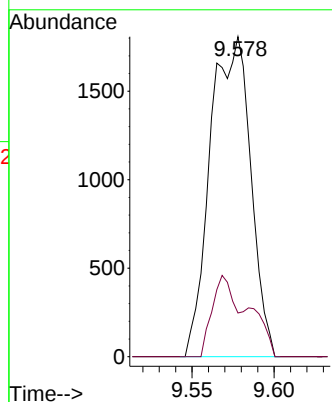
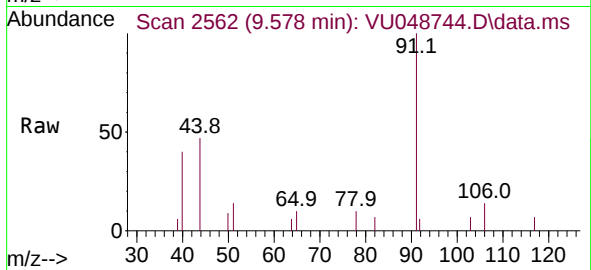




#67
Ethyl Benzene
Concen: 0.220 ug/l
RT: 9.578 min Scan# 210
Delta R.T. 0.007 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

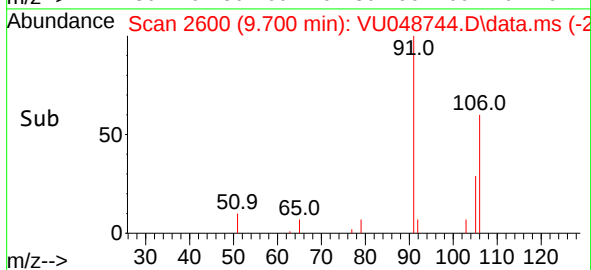
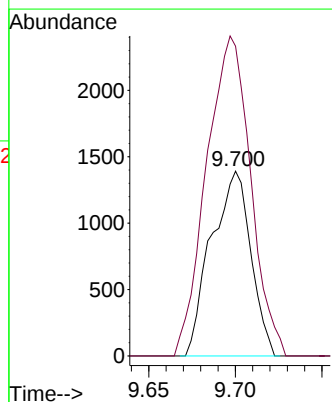
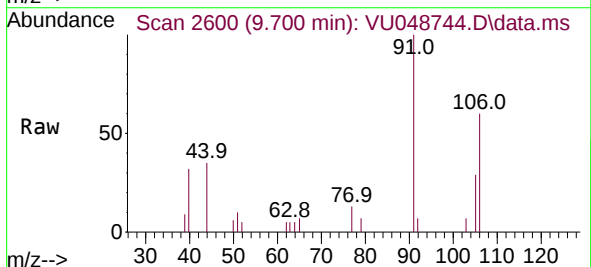
Instrument :
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ClientSampleId :
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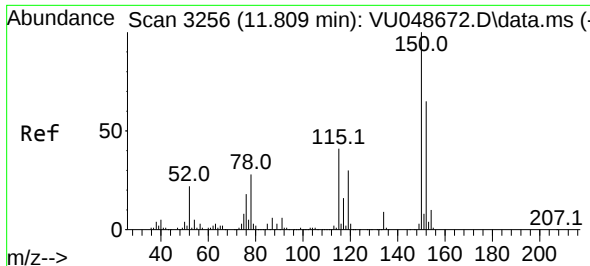
Tgt Ion: 91 Resp: 3087
Ion Ratio Lower Upper
91 100
106 13.7 25.4 38.2#



#68
m/p-Xylenes
Concen: 0.403 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. 0.007 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

Tgt Ion: 106 Resp: 2207
Ion Ratio Lower Upper
106 100
91 193.4 162.4 243.6

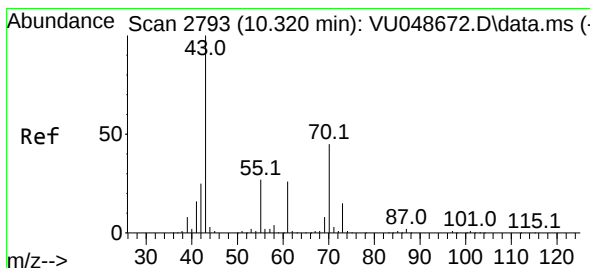
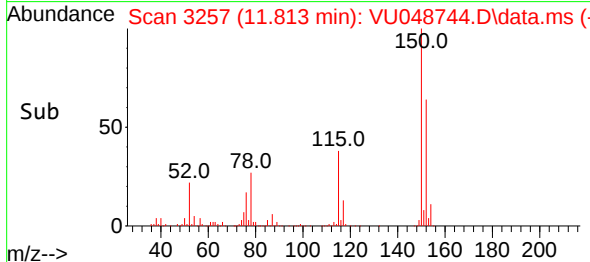
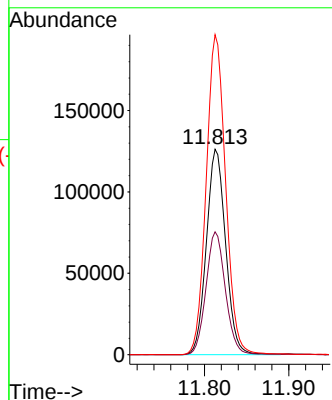
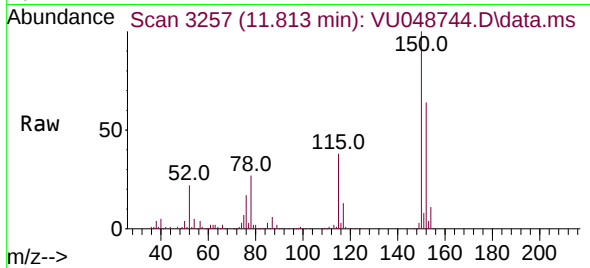




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.813 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

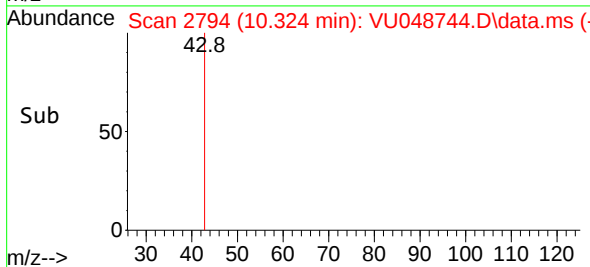
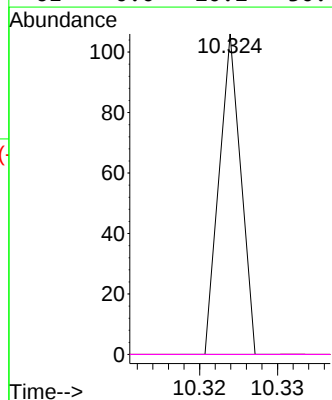
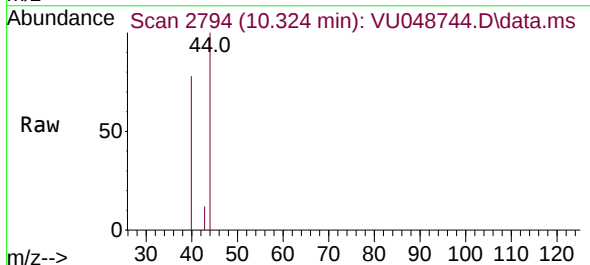
Instrument :
MSVOA_U
ClientSampleId :
TW-22

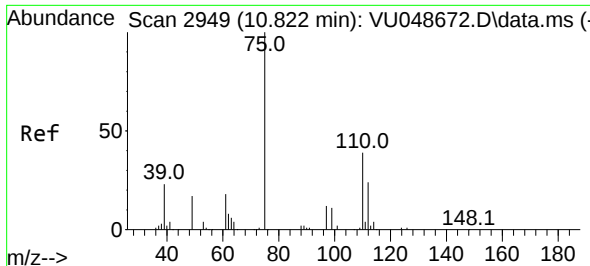
Tgt Ion:152 Resp: 201027
Ion Ratio Lower Upper
152 100
115 60.2 41.8 125.4
150 157.2 0.0 341.0



#74
N-ethyl acetate
Concen: 2.470 ug/l
RT: 10.324 min Scan# 2794
Delta R.T. 0.004 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#

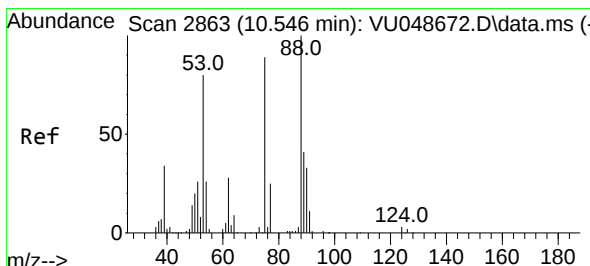
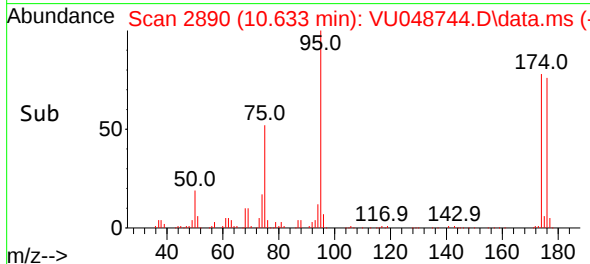
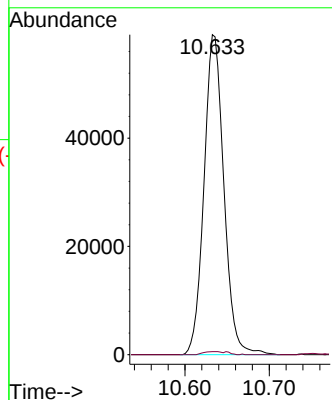
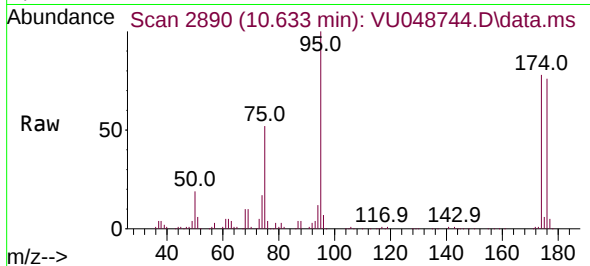




#76
1,2,3-Trichloropropane
Concen: 14.984 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. -0.189 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

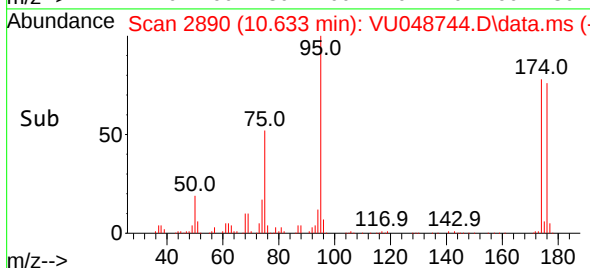
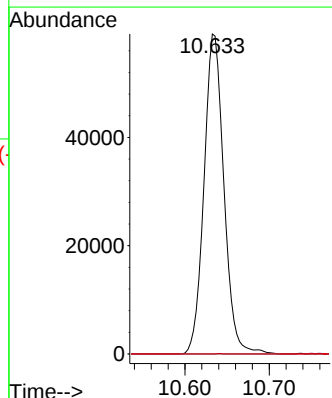
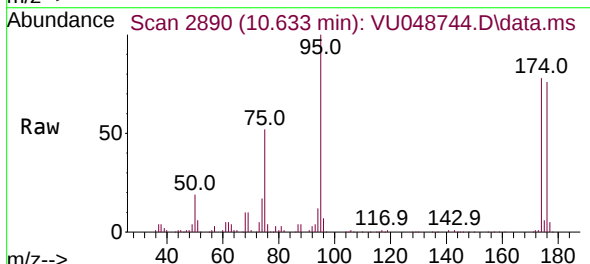
Instrument :
MSVOA_U
ClientSampleId :
TW-22

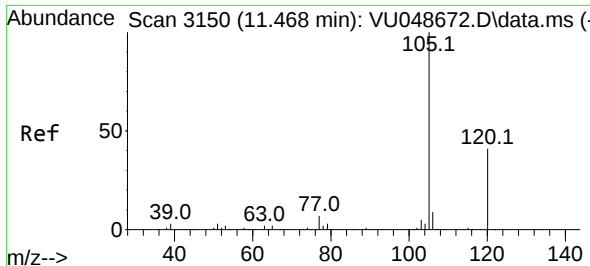
Tgt Ion: 75 Resp: 97122
Ion Ratio Lower Upper
75 100
77 0.9 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.406 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

Tgt Ion: 75 Resp: 97122
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

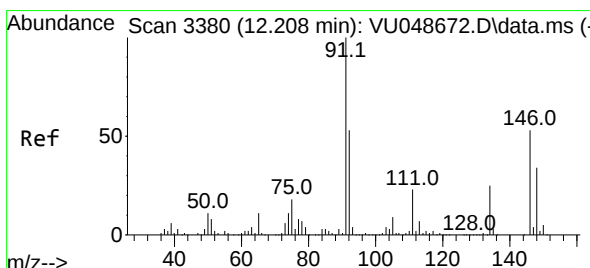
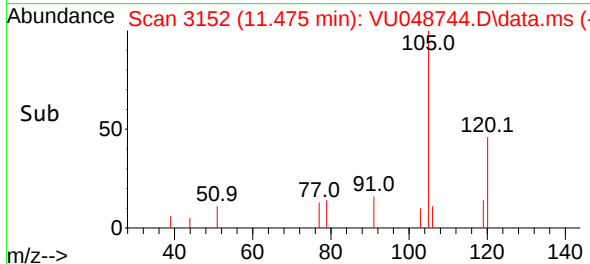
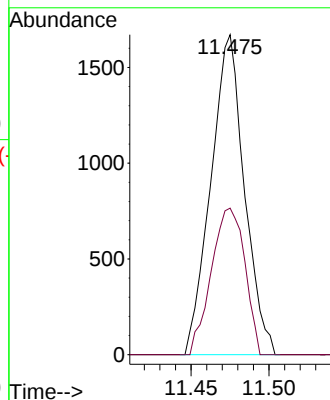
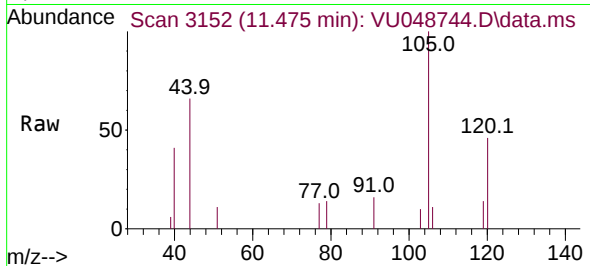




#84
1,2,4-Trimethylbenzene
Concen: 1.388 ug/l
RT: 11.475 min Scan# 3150
Delta R.T. 0.007 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

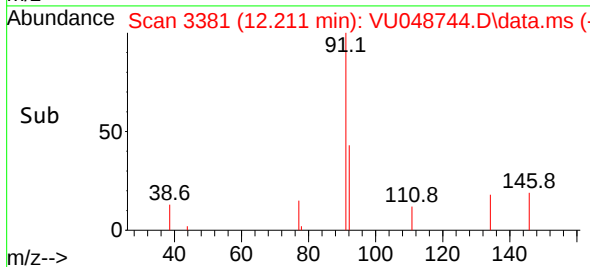
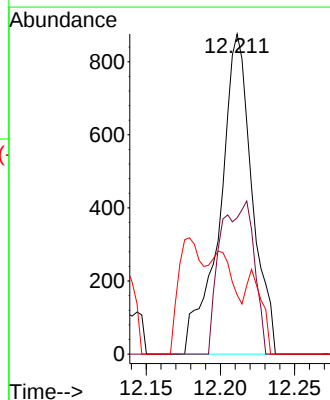
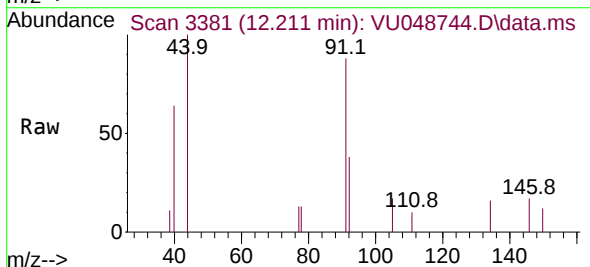
Instrument :
MSVOA_U
ClientSampleId :
TW-22

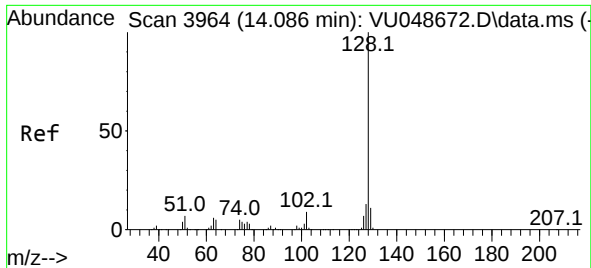
Tgt Ion:105 Resp: 2502
Ion Ratio Lower Upper
105 100
120 45.7 22.5 67.5



#89
n-Butylbenzene
Concen: 2.294 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU048744.D
Acq: 31 May 2022 17:31

Tgt Ion: 91 Resp: 1321
Ion Ratio Lower Upper
91 100
92 22.9 25.9 77.8#
134 12.9 12.5 37.5





#95

Naphthalene

Concen: 3.353 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU048744.D

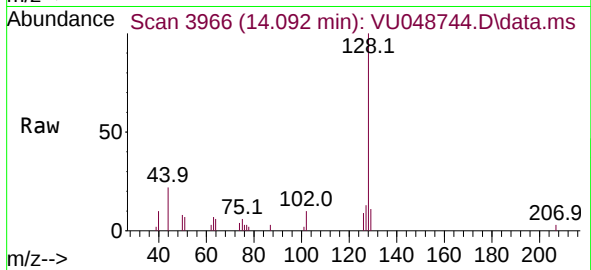
Acq: 31 May 2022 17:31

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:	128	Resp:	13680
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.2	15.4
129	10.8	8.7	13.1

