

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048814.D
 Acq On : 02 Jun 2022 19:20
 Operator : SY/MD
 Sample : N3112-20 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP01-20220527

Quant Time: Jun 03 01:18:59 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)

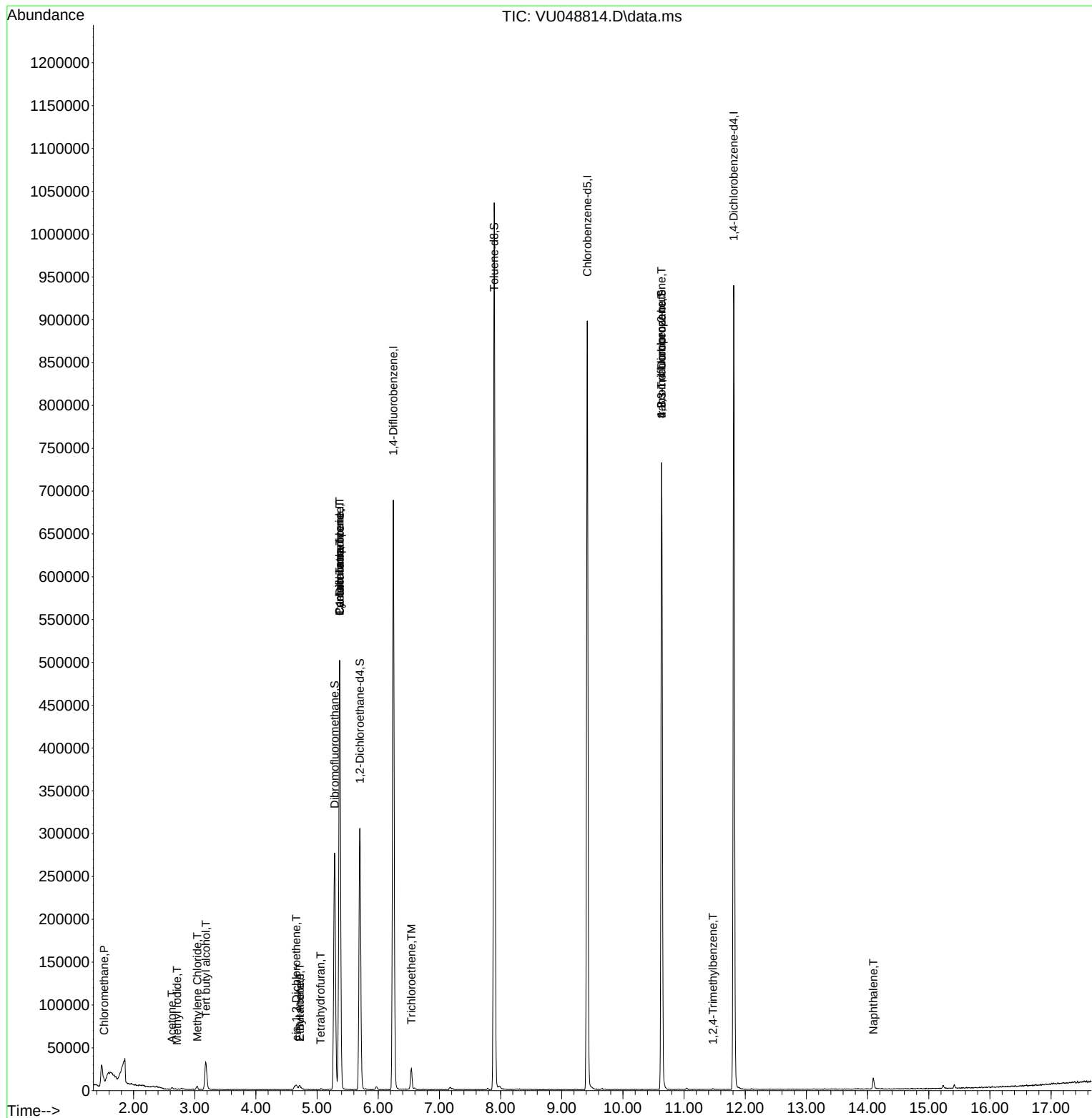
Internal Standards						
1) Pentafluorobenzene	5.369	168	342548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.246	114	559554	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	497027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	247742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	230412	44.789	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.580%
35) Dibromofluoromethane	5.285	113	180300	45.166	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.340%
50) Toluene-d8	7.896	98	679163	47.461	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.920%
62) 4-Bromofluorobenzene	10.632	95	251046	46.388	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.780%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1092	0.216	ug/l #	86
5) Bromomethane	1.858	94	158	Below Cal	#	3
6) Chloroethane	2.067	64	659	Below Cal	#	79
10) Methyl Iodide	2.710	142	258	3.049	ug/l #	37
11) Tert butyl alcohol	3.182	59	21393	16.402	ug/l #	28
13) Acrolein	2.481	56	154	Below Cal	#	45
16) Acetone	2.626	43	2408	0.918	ug/l	94
20) Methylene Chloride	3.041	84	1831	0.411	ug/l	97
25) 2-Butanone	4.719	43	8355	2.218	ug/l	95
27) cis-1,2-Dichloroethene	4.661	96	1935	0.419	ug/l	84
29) Tetrahydrofuran	5.060	42	511	0.215	ug/l #	66
31) Cyclohexane	5.369	56	7009	1.081	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	26662	4.576	ug/l #	50
37) Ethyl Acetate	4.719	43	8355	1.134	ug/l #	68
38) Carbon Tetrachloride	5.369	117	34270	5.127	ug/l #	17
44) Trichloroethene	6.542	130	8439	1.904	ug/l	97
76) 1,2,3-Trichloropropane	10.632	75	124790	15.623	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	124790	56.723	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	879	1.244	ug/l	96
95) Naphthalene	14.095	128	12741	3.153	ug/l	98

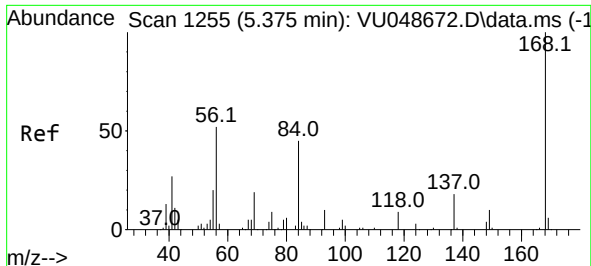
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

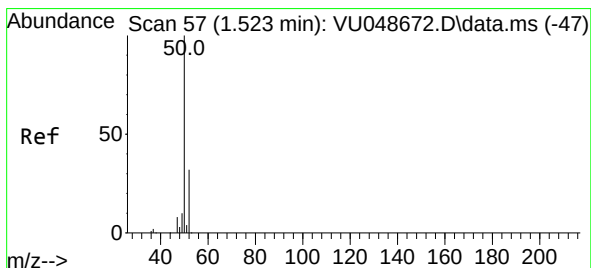
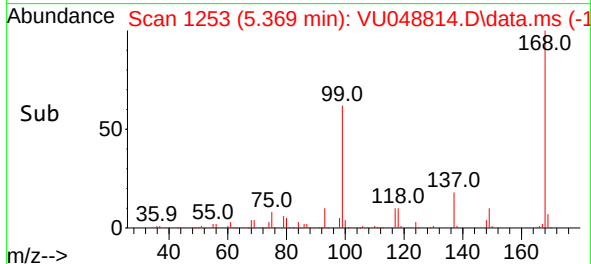
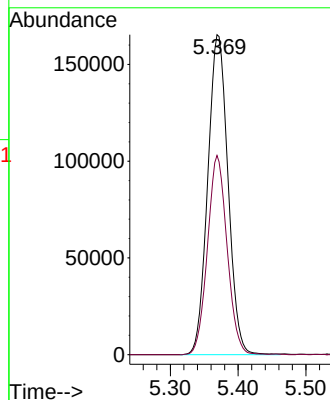
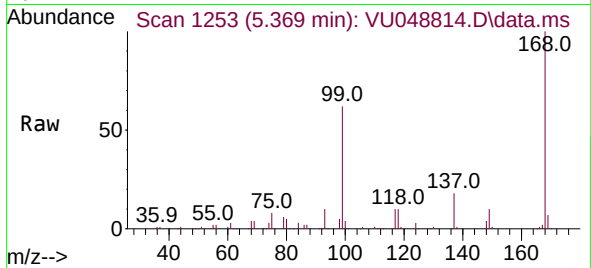




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

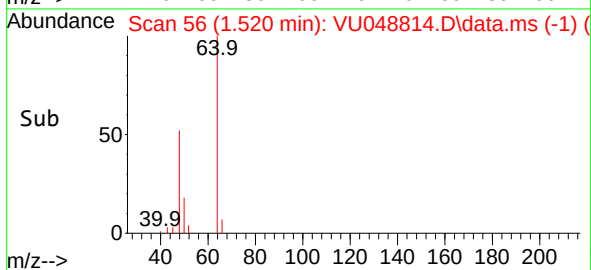
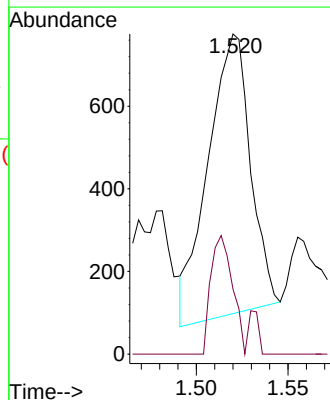
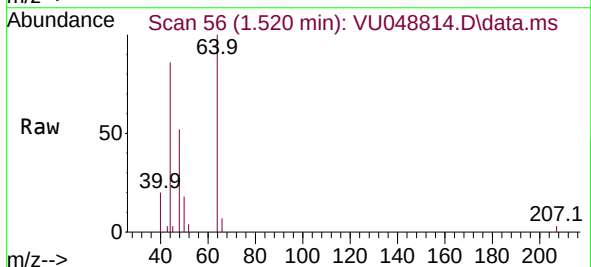
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

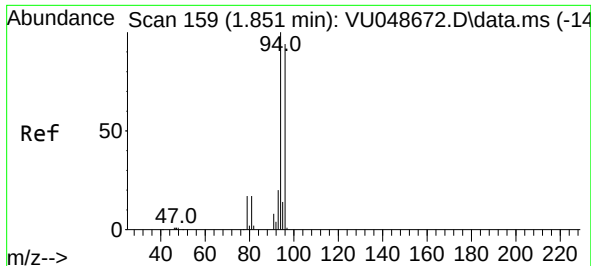
Tgt Ion:168 Resp: 342548
Ion Ratio Lower Upper
168 100
99 62.3 49.3 73.9



#3
Chloromethane
Concen: 0.216 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion: 50 Resp: 1092
Ion Ratio Lower Upper
50 100
52 24.2 25.7 38.5#

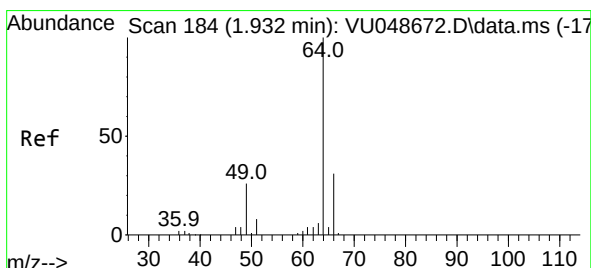
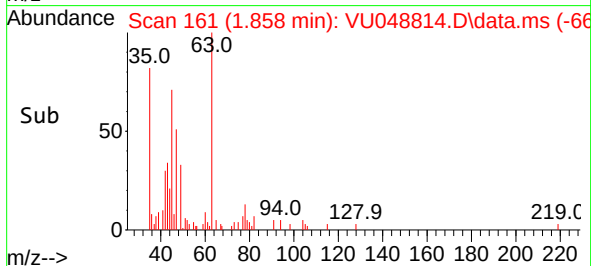
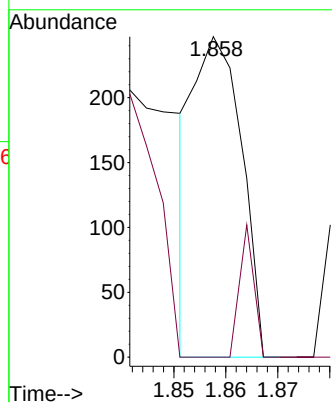
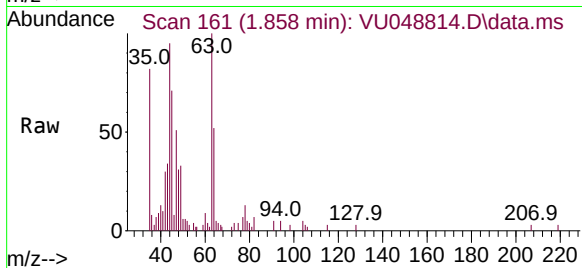




#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

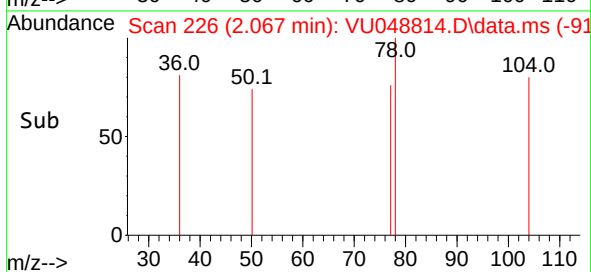
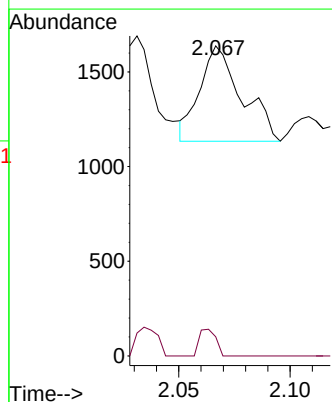
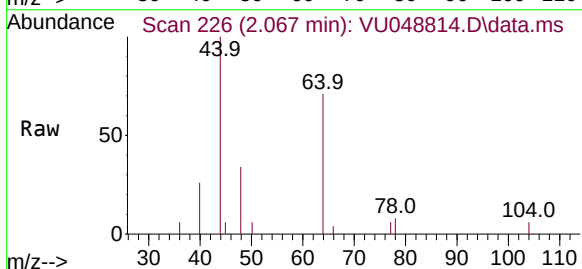
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

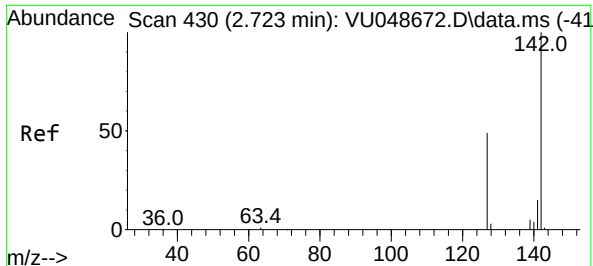
Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 2.067 min Scan# 226
Delta R.T. 0.135 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion: 64 Resp: 659
Ion Ratio Lower Upper
64 100
66 20.0 25.2 37.8#

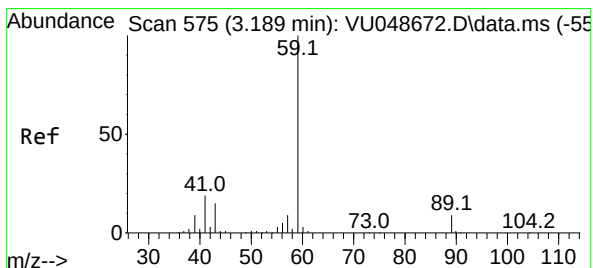
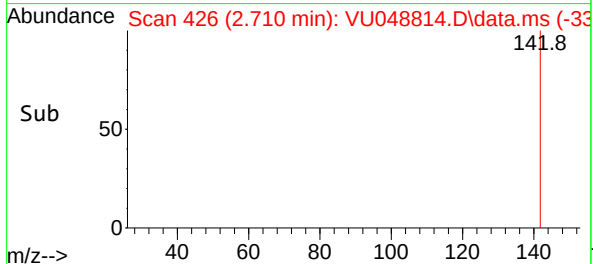
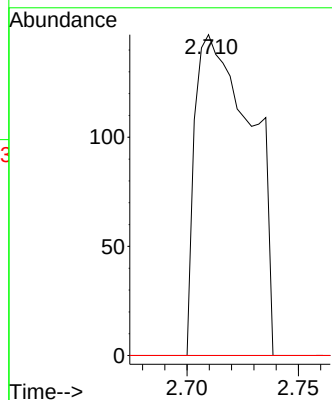
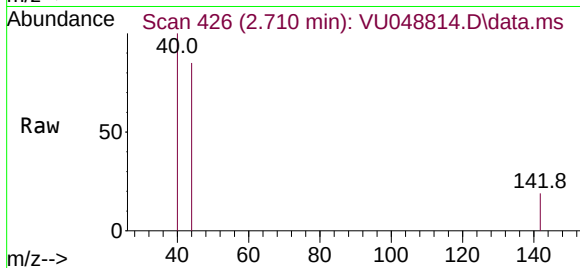




#10
Methyl Iodide
Concen: 3.049 ug/l
RT: 2.710 min Scan# 41
Delta R.T. -0.013 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

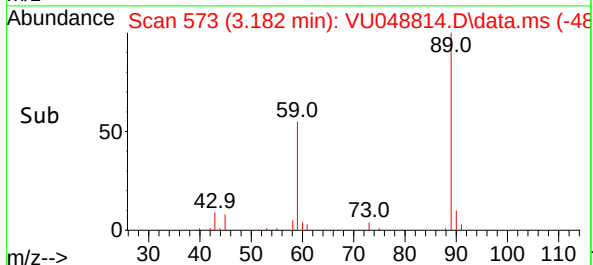
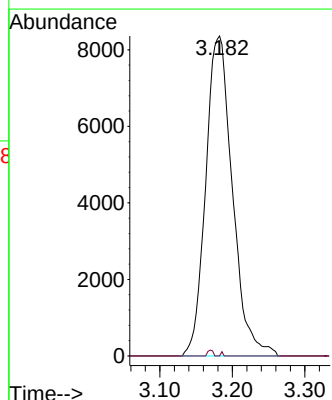
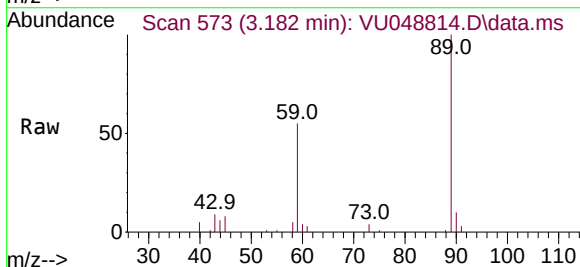
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

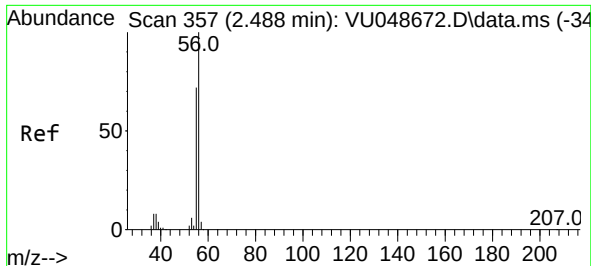
Tgt Ion:142 Resp: 258
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 16.402 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.007 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion: 59 Resp: 21393
Ion Ratio Lower Upper
59 100
57 0.1 39.7 59.5#

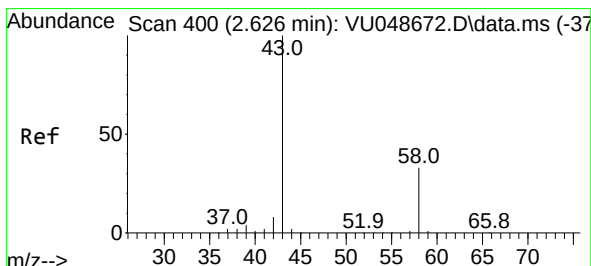
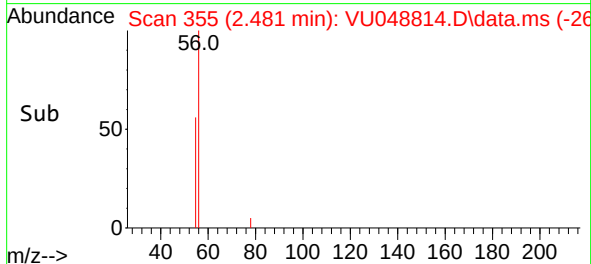
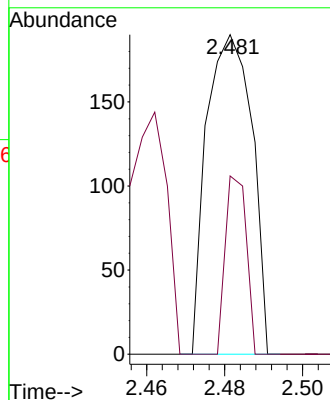
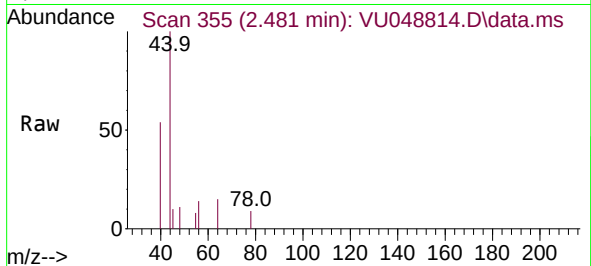




#13
Acrolein
Concen: Below Cal
RT: 2.481 min Scan# 311
Delta R.T. -0.007 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

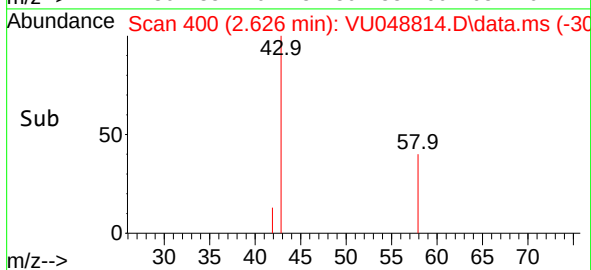
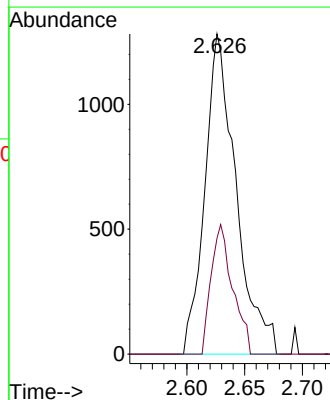
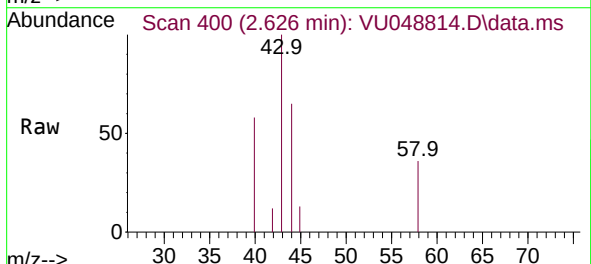
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

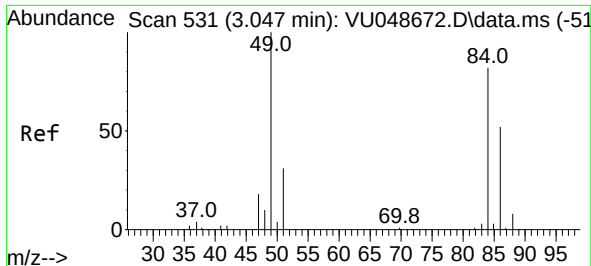
Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 26.0 57.7 86.5#



#16
Acetone
Concen: 0.918 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion: 43 Resp: 2408
Ion Ratio Lower Upper
43 100
58 36.2 26.3 39.5



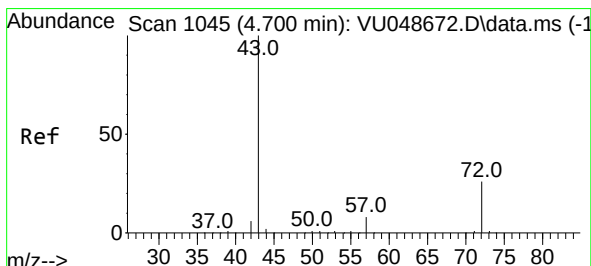
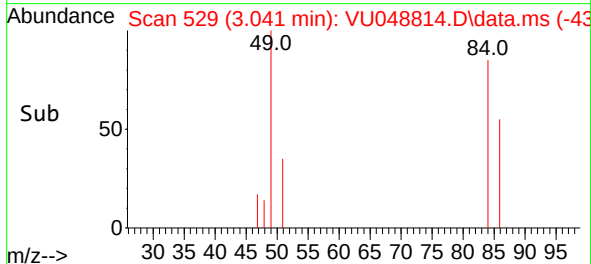
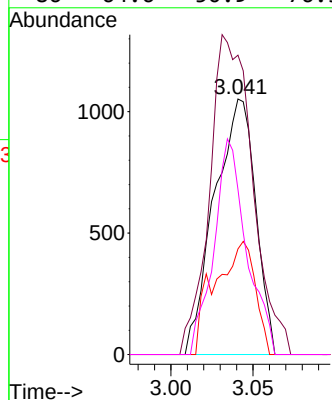
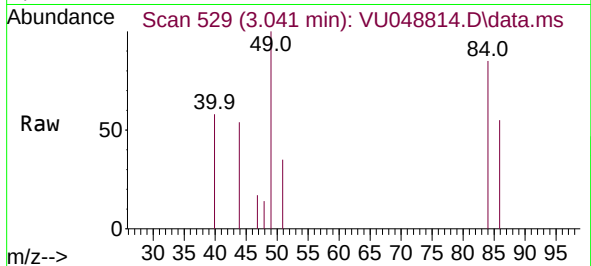


#20
Methylene Chloride
Concen: 0.411 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.007 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

Tgt Ion: 84 Resp: 1831

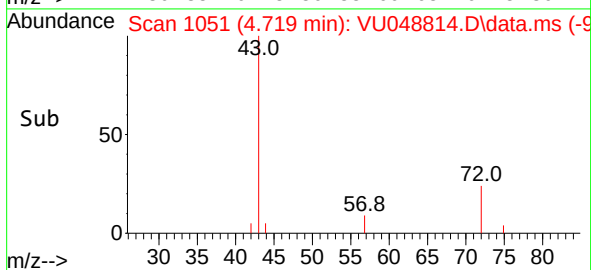
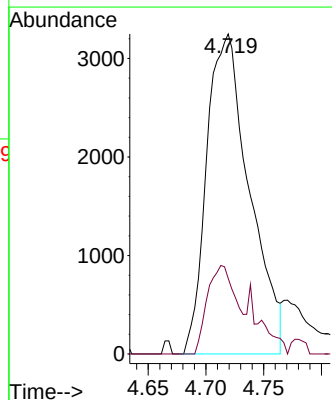
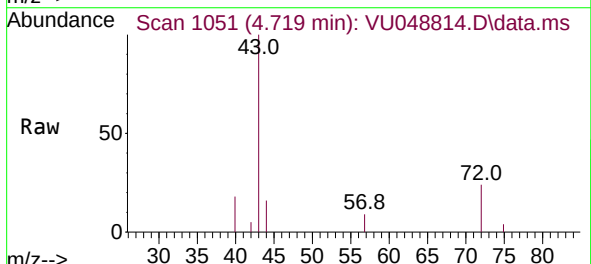
Ion	Ratio	Lower	Upper
84	100		
49	117.2	97.0	145.4
51	41.3	29.8	44.8
86	64.6	50.9	76.3

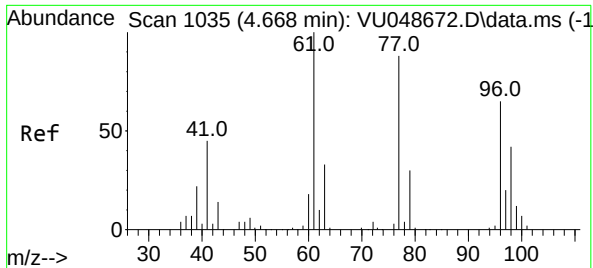


#25
2-Butanone
Concen: 2.218 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion: 43 Resp: 8355

Ion	Ratio	Lower	Upper
43	100		
72	23.7	21.1	31.7





#27

cis-1,2-Dichloroethene

Concen: 0.419 ug/l

RT: 4.661 min Scan# 1033

Delta R.T. -0.007 min

Lab File: VU048814.D

Acq: 02 Jun 2022 19:20

Instrument :

MSVOA_U

ClientSampleId :

DUP01-20220527

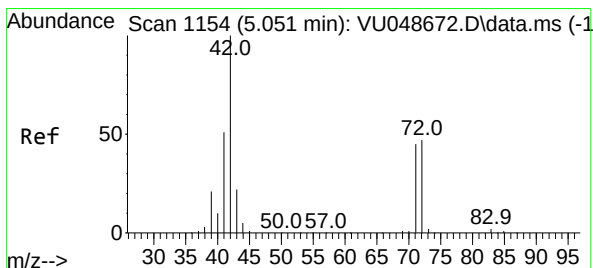
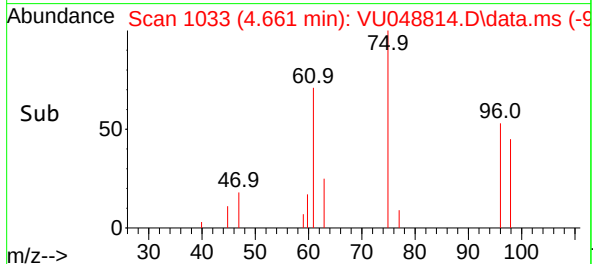
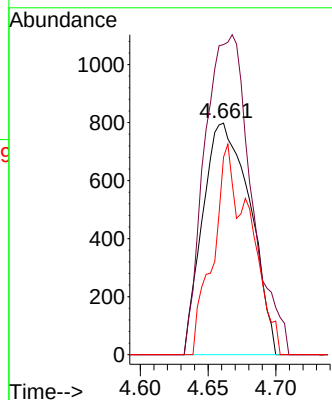
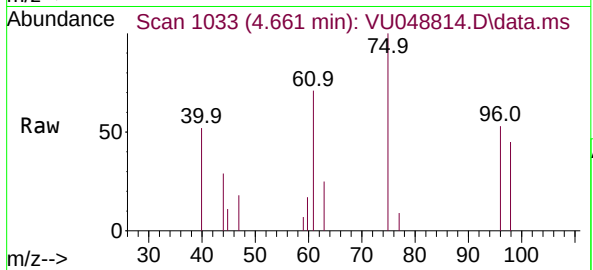
Tgt Ion: 96 Resp: 1935

Ion Ratio Lower Upper

96 100

61 136.0 0.0 306.2

98 47.0 0.0 130.4



#29

Tetrahydrofuran

Concen: 0.215 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.009 min

Lab File: VU048814.D

Acq: 02 Jun 2022 19:20

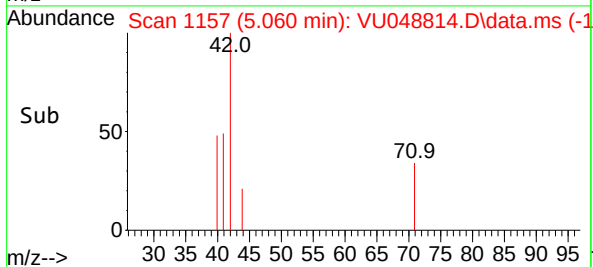
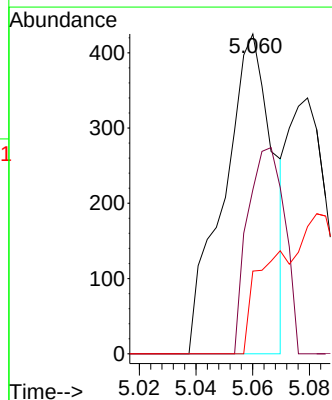
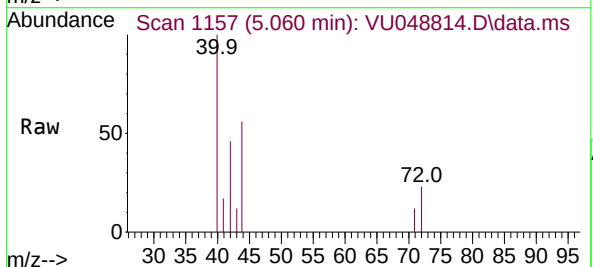
Tgt Ion: 42 Resp: 511

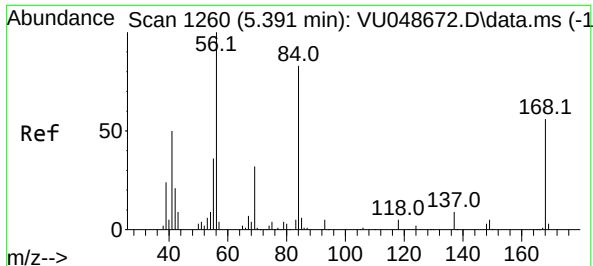
Ion Ratio Lower Upper

42 100

72 48.5 37.6 56.4

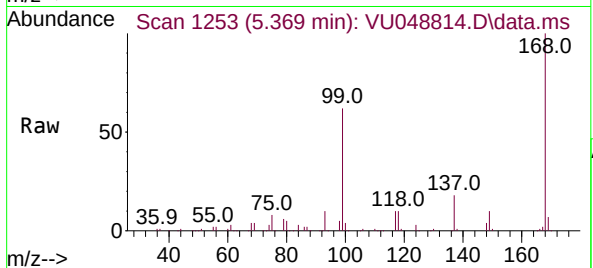
71 0.0 35.0 52.4#



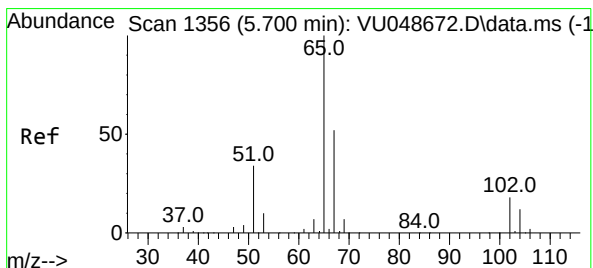
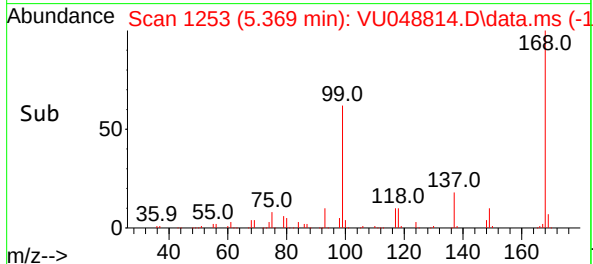
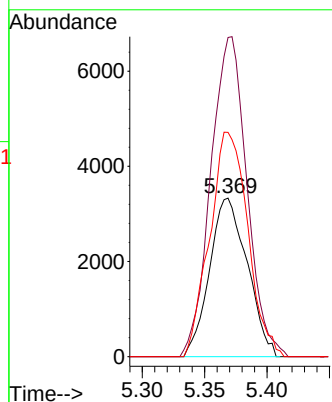


#31
Cyclohexane
Concen: 1.081 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

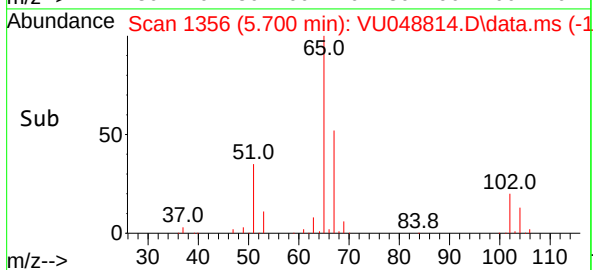
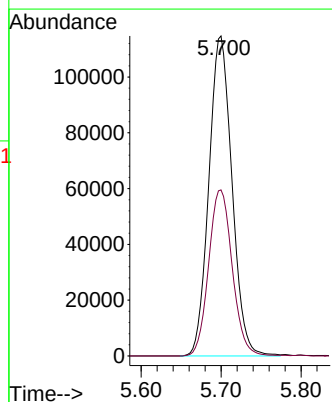
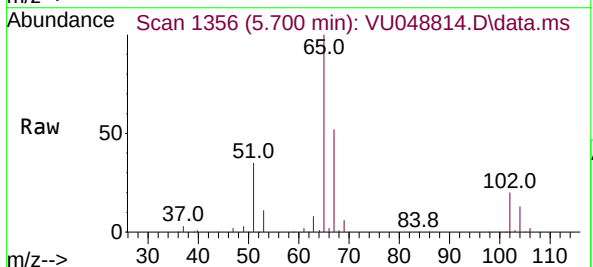


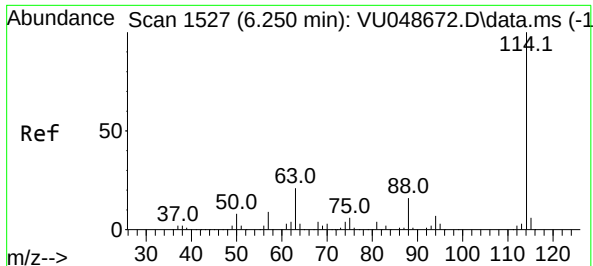
Tgt Ion: 56 Resp: 7009
Ion Ratio Lower Upper
56 100
69 201.3 25.6 38.4#
84 141.4 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 44.789 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.000 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion: 65 Resp: 230412
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.246 min Scan# 11

Delta R.T. -0.004 min

Lab File: VU048814.D

Acq: 02 Jun 2022 19:20

Instrument :

MSVOA_U

ClientSampleId :

DUP01-20220527

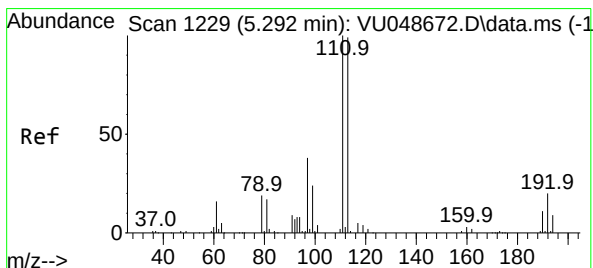
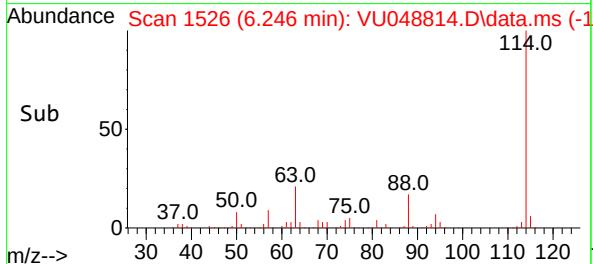
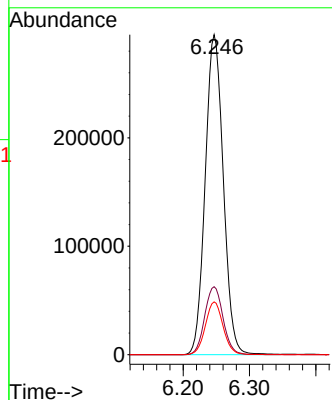
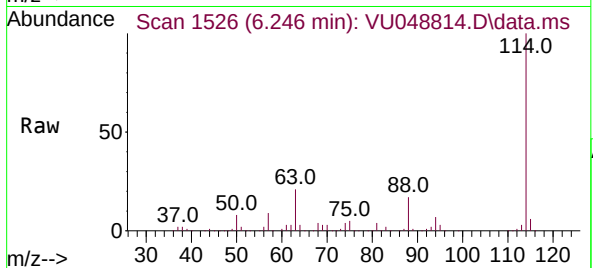
Tgt Ion:114 Resp: 559554

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 16.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.166 ug/l

RT: 5.285 min Scan# 1227

Delta R.T. -0.007 min

Lab File: VU048814.D

Acq: 02 Jun 2022 19:20

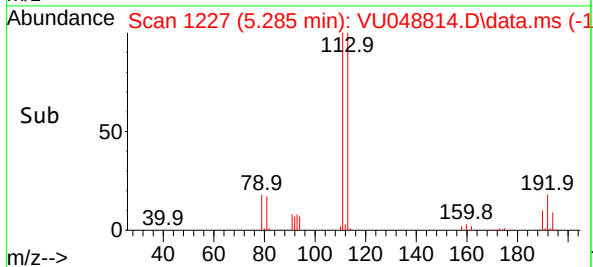
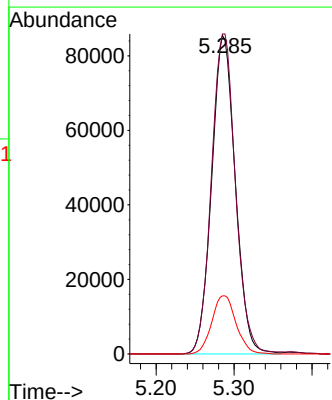
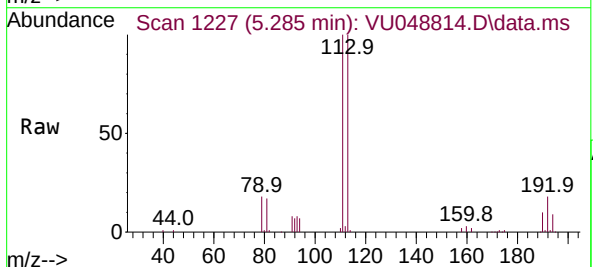
Tgt Ion:113 Resp: 180300

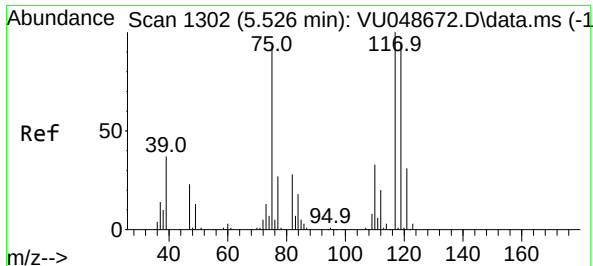
Ion Ratio Lower Upper

113 100

111 102.1 80.7 121.1

192 18.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.576 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.158 min

Lab File: VU048814.D

Acq: 02 Jun 2022 19:20

Instrument :

MSVOA_U

ClientSampleId :

DUP01-20220527

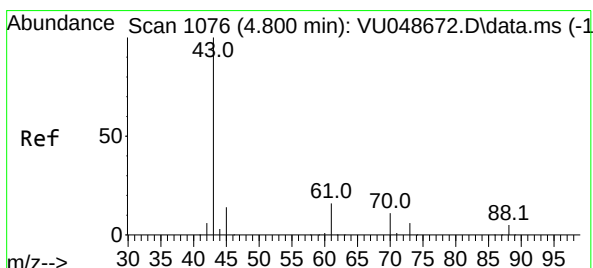
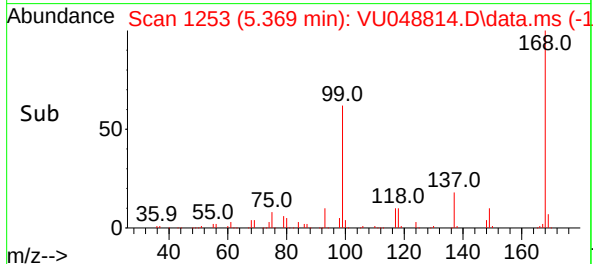
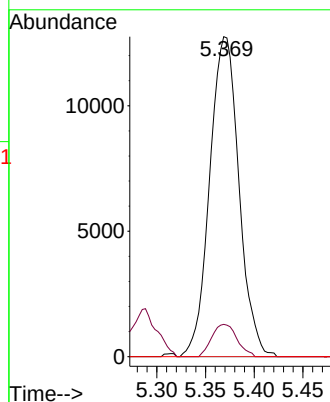
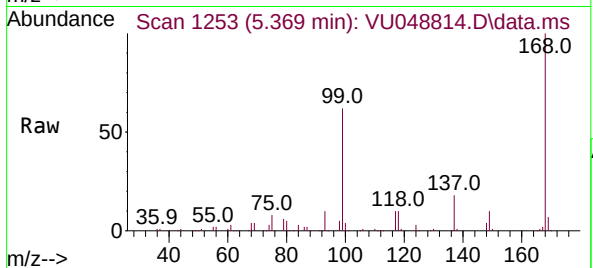
Tgt Ion: 75 Resp: 26662

Ion Ratio Lower Upper

75 100

110 8.7 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.134 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. -0.081 min

Lab File: VU048814.D

Acq: 02 Jun 2022 19:20

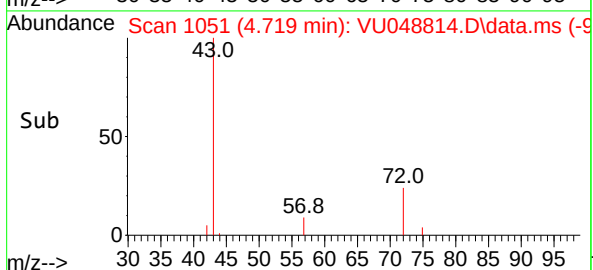
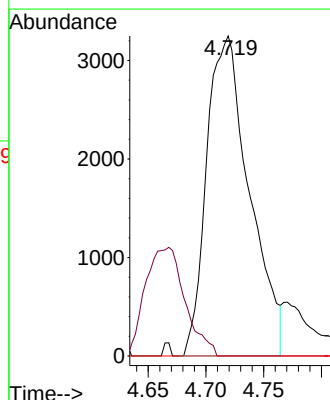
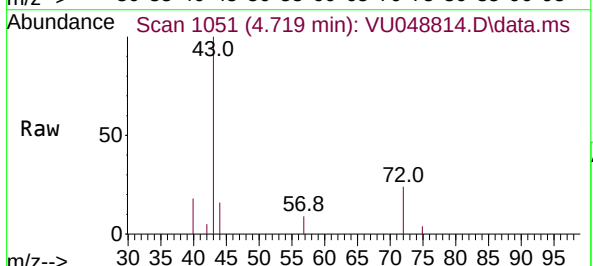
Tgt Ion: 43 Resp: 8355

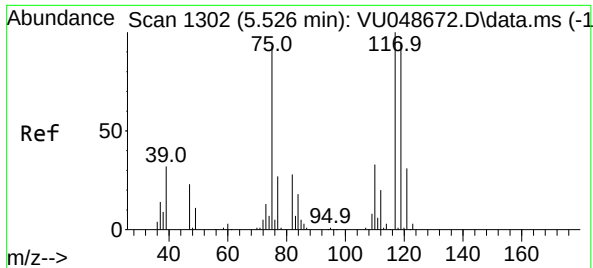
Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

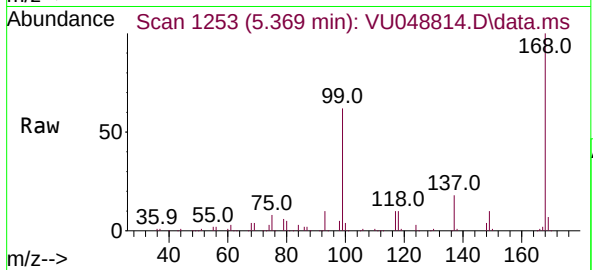
70 0.0 8.4 12.6#



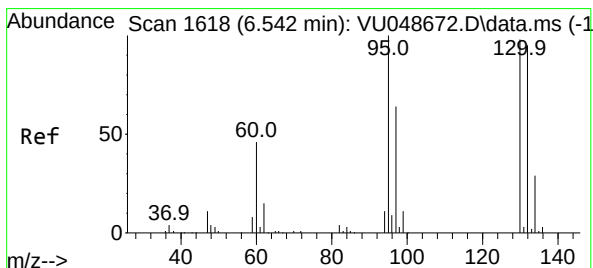
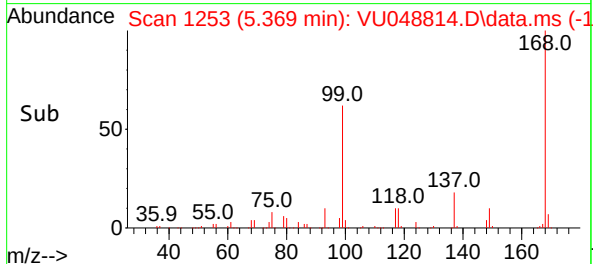
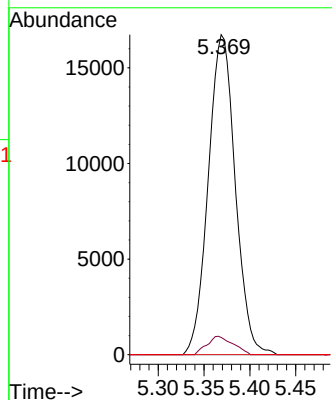


#38
Carbon Tetrachloride
Concen: 5.127 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.158 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

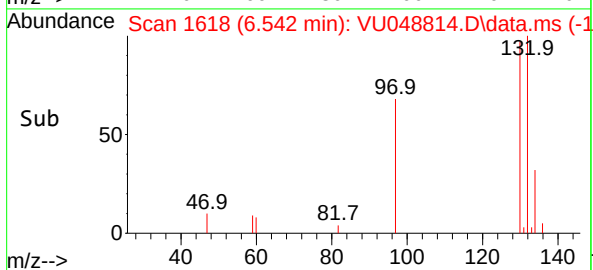
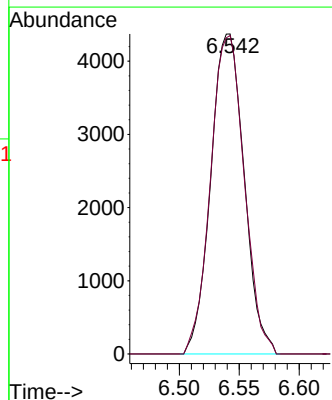
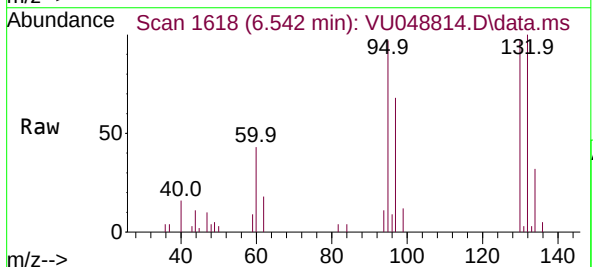


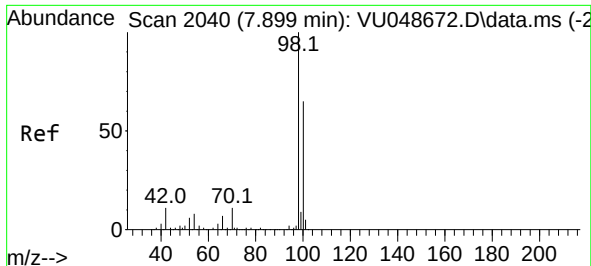
Tgt Ion:117 Resp: 34270
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 1.904 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion:130 Resp: 8439
Ion Ratio Lower Upper
130 100
95 99.5 0.0 204.8

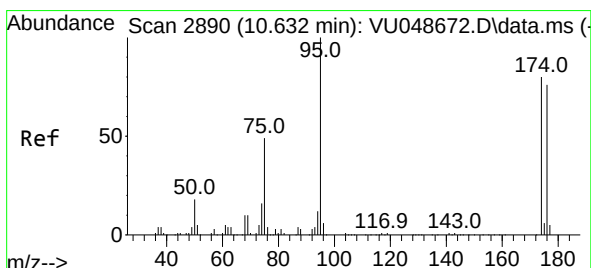
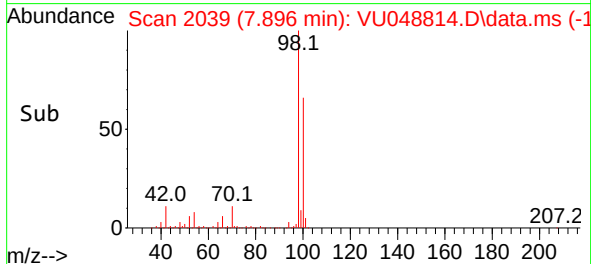
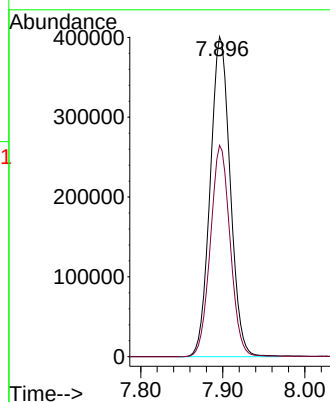
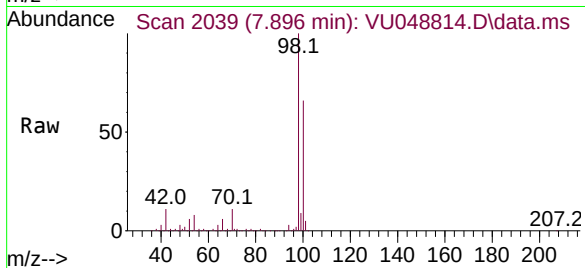




#50
Toluene-d8
Concen: 47.461 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

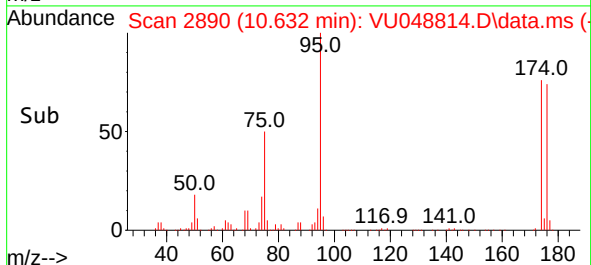
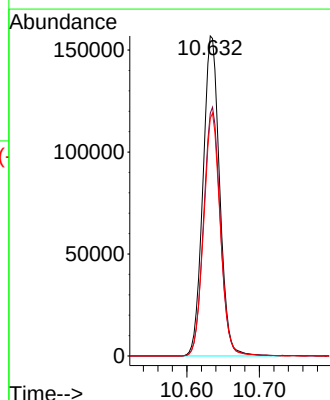
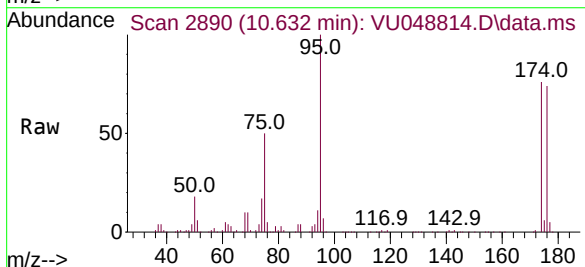
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

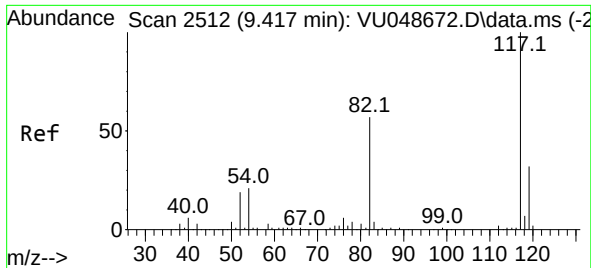
Tgt Ion: 98 Resp: 679163
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 46.388 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion: 95 Resp: 251046
Ion Ratio Lower Upper
95 100
174 77.7 0.0 159.4
176 75.5 0.0 152.4

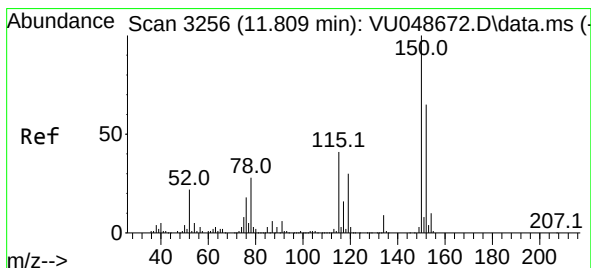
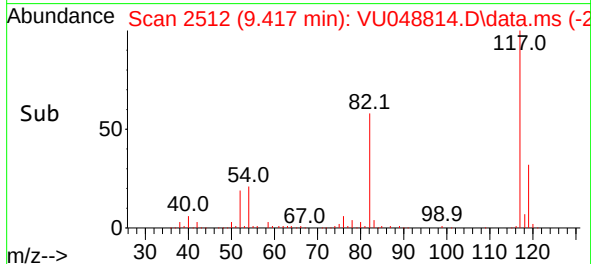
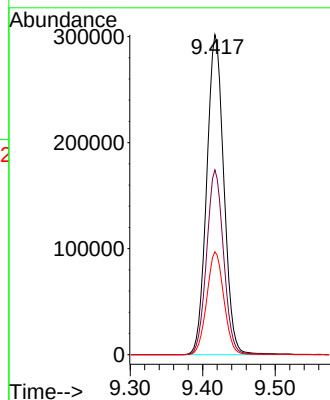
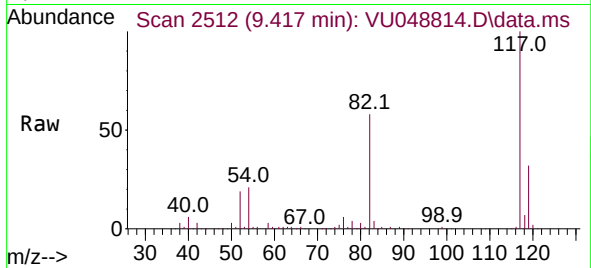




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

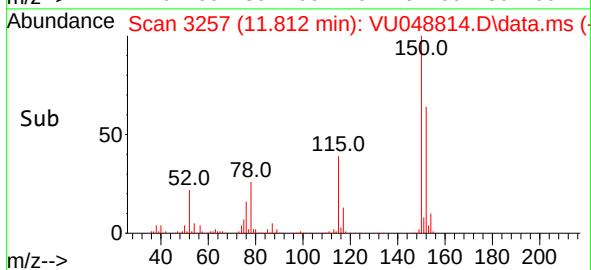
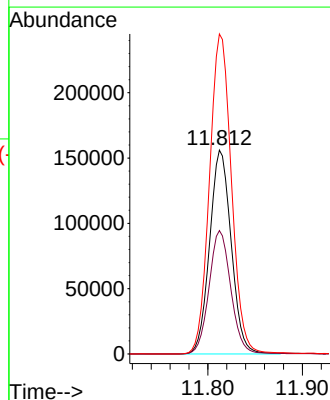
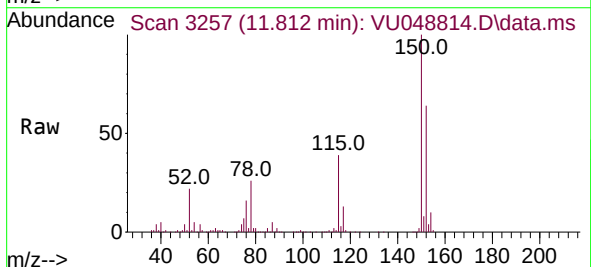
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

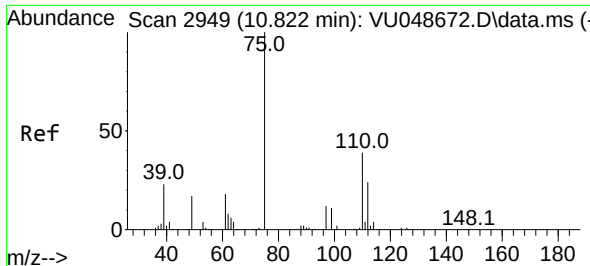
Tgt Ion:117 Resp: 497027
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion:152 Resp: 247742
Ion Ratio Lower Upper
152 100
115 61.0 41.8 125.4
150 159.7 0.0 341.0

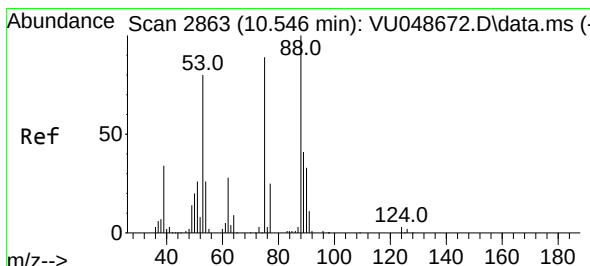
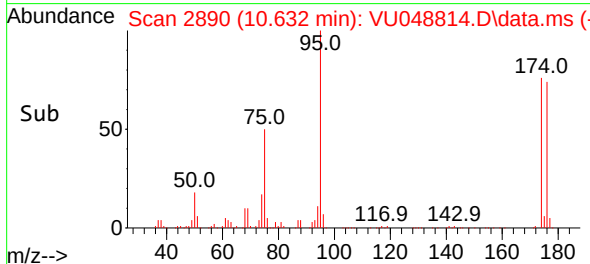
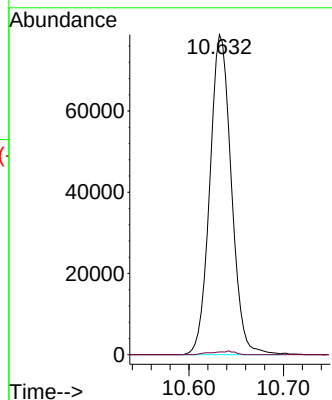
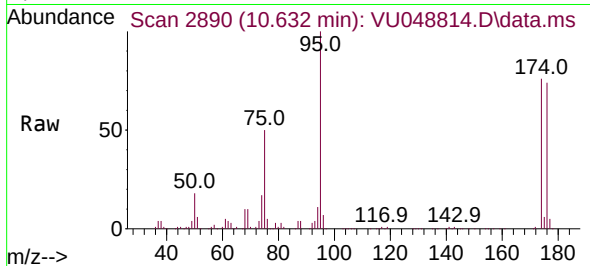




#76
1,2,3-Trichloropropane
Concen: 15.623 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

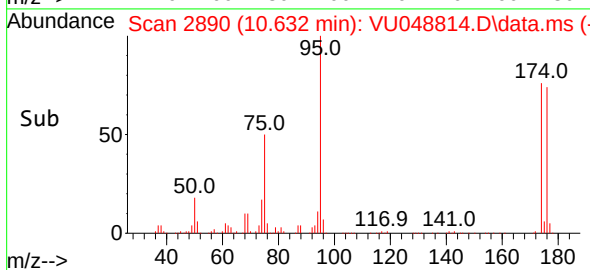
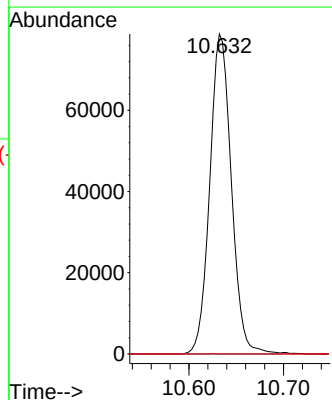
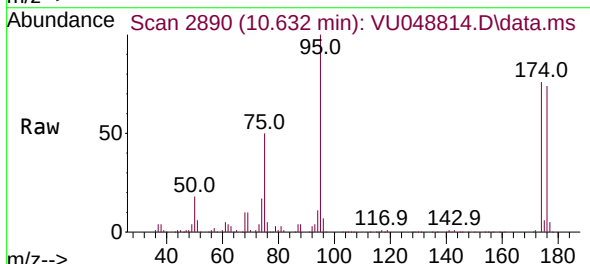
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

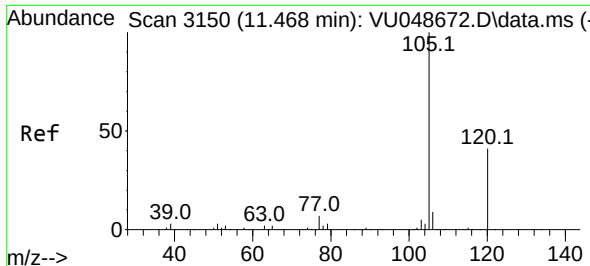
Tgt Ion: 75 Resp: 124790
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.723 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion: 75 Resp: 124790
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

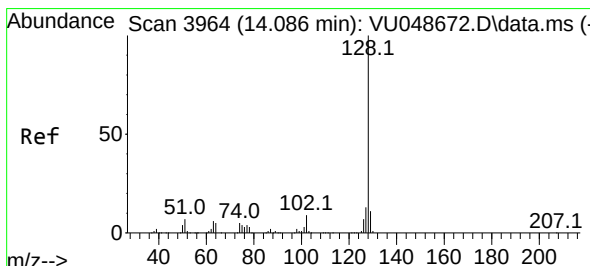
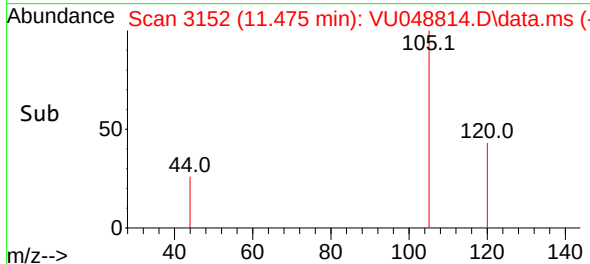
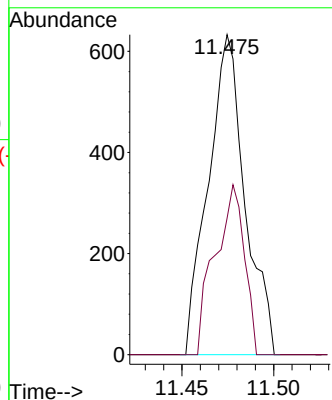
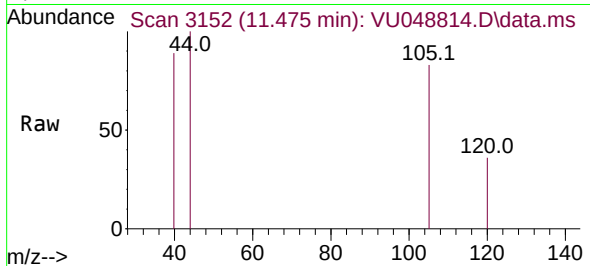




#84
1,2,4-Trimethylbenzene
Concen: 1.244 ug/l
RT: 11.475 min Scan# 3150
Delta R.T. 0.007 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20220527

Tgt Ion:105 Resp: 879
Ion Ratio Lower Upper
105 100
120 42.4 22.5 67.5



#95
Naphthalene
Concen: 3.153 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.009 min
Lab File: VU048814.D
Acq: 02 Jun 2022 19:20

Tgt Ion:128 Resp: 12741
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 10.6 8.7 13.1

