

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048829.D
 Acq On : 03 Jun 2022 02:04
 Operator : SY/MD
 Sample : N3112-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GR-OF-20220527

Quant Time: Jun 03 04:05:22 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

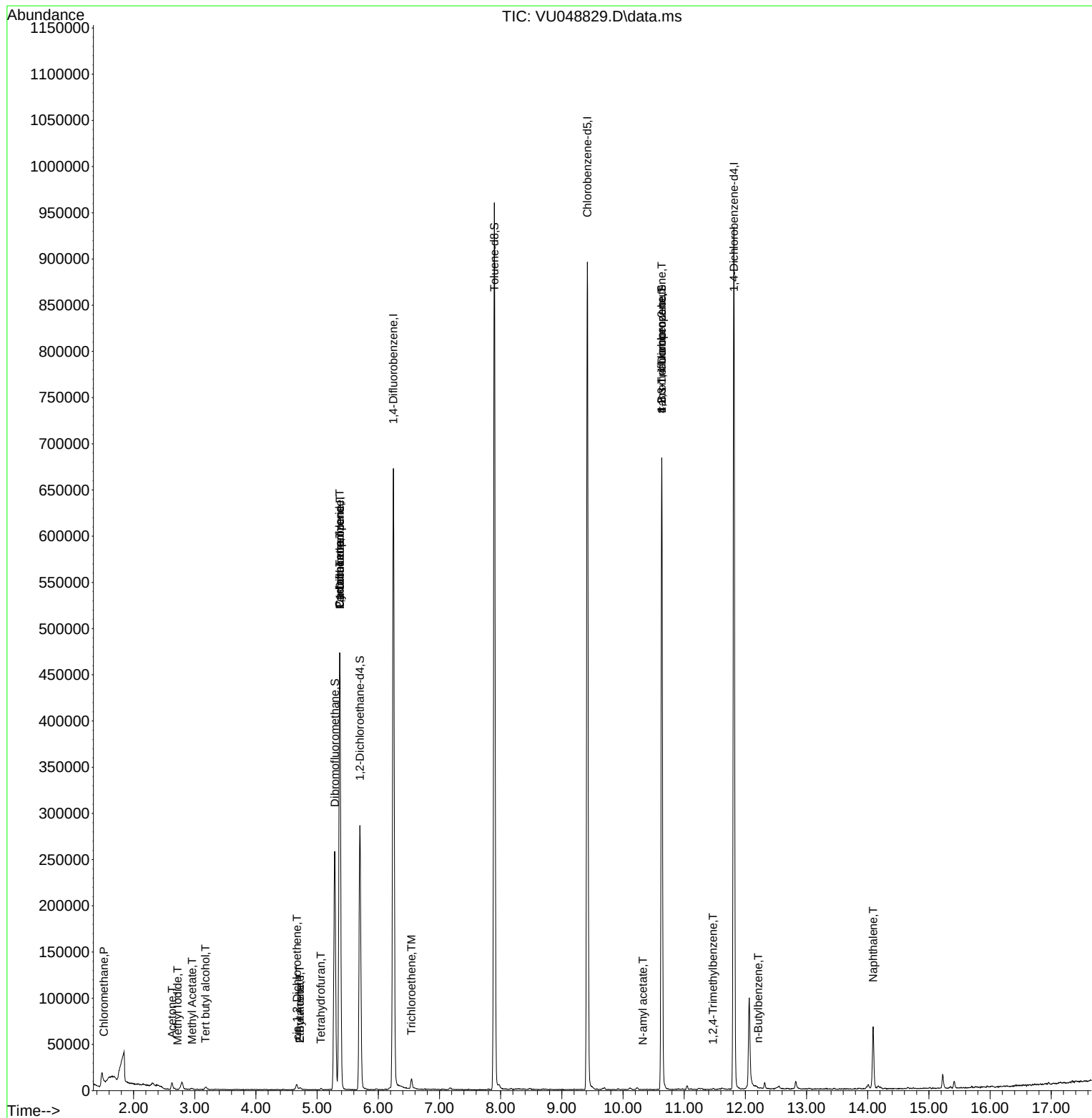
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.372	168	324092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	540072	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	494770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	250263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	216432	44.467	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.940%
35) Dibromofluoromethane	5.288	113	167502	43.473	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.940%
50) Toluene-d8	7.896	98	629188	45.555	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.120%#
62) 4-Bromofluorobenzene	10.632	95	231790	44.375	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.760%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	999	0.209	ug/l #	76
5) Bromomethane	1.838	94	1054	Below Cal	#	53
6) Chloroethane	1.948	64	373	Below Cal	#	43
10) Methyl Iodide	2.716	142	101	3.023	ug/l #	83
11) Tert butyl alcohol	3.176	59	1970	1.596	ug/l #	28
13) Acrolein	2.475	56	373	Below Cal	#	37
16) Acetone	2.629	43	8791	3.544	ug/l	92
18) Methyl Acetate	2.957	43	1776	0.285	ug/l #	64
25) 2-Butanone	4.716	43	4264	1.197	ug/l	97
27) cis-1,2-Dichloroethene	4.671	96	1507	0.345	ug/l	16
29) Tetrahydrofuran	5.060	42	872	0.388	ug/l #	43
31) Cyclohexane	5.369	56	6926	1.129	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	26774	4.761	ug/l #	49
37) Ethyl Acetate	4.716	43	4264	0.600	ug/l #	68
38) Carbon Tetrachloride	5.369	117	32937	5.105	ug/l #	17
44) Trichloroethene	6.539	130	3419	0.799	ug/l	68
74) N-amyl acetate	10.324	43	125	2.481	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	118296	14.660	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	118296	53.230	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	805	1.239	ug/l	67
89) n-Butylbenzene	12.211	91	274	2.203	ug/l #	34
95) Naphthalene	14.089	128	55196	5.193	ug/l	100

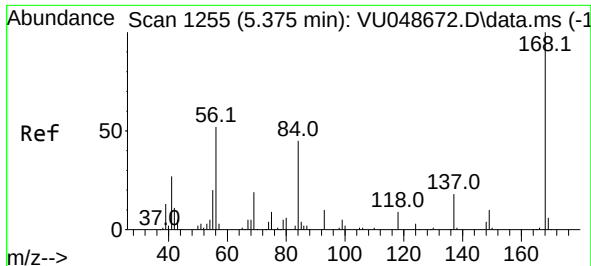
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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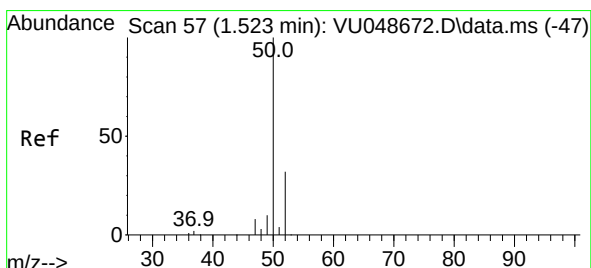
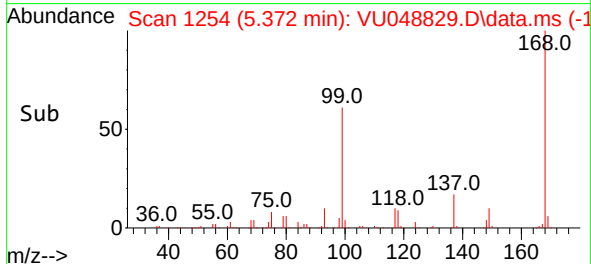
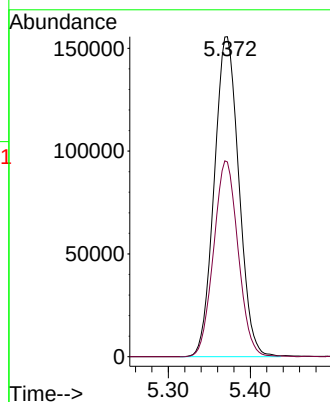
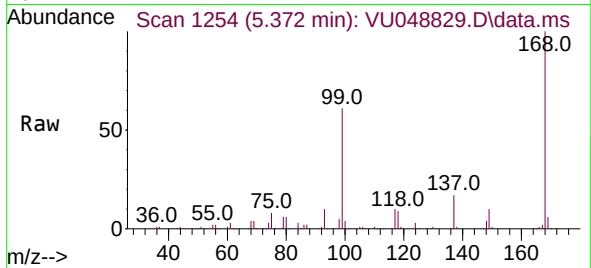




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

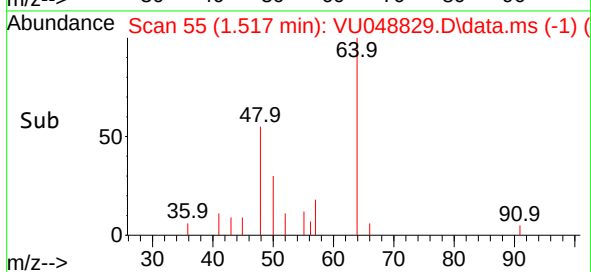
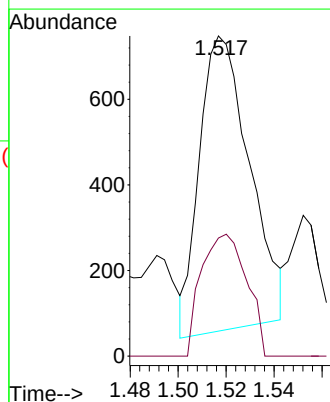
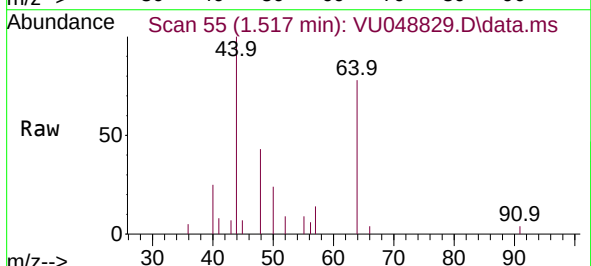
Instrument :
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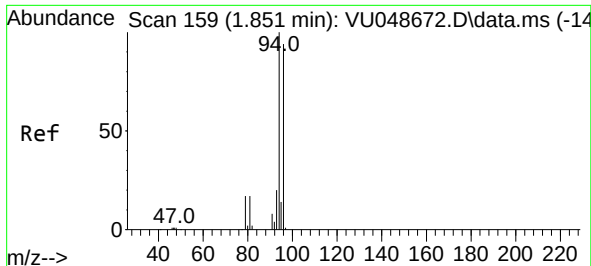
Tgt Ion:168 Resp: 324092
Ion Ratio Lower Upper
168 100
99 60.8 49.3 73.9



#3
Chloromethane
Concen: 0.209 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.007 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion: 50 Resp: 999
Ion Ratio Lower Upper
50 100
52 45.5 25.7 38.5#

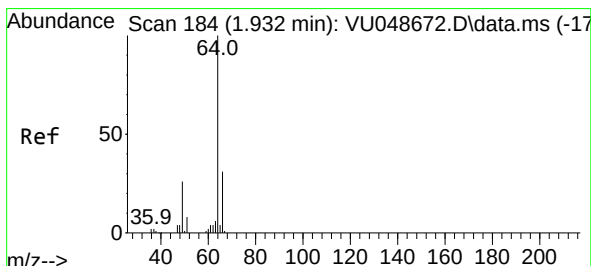
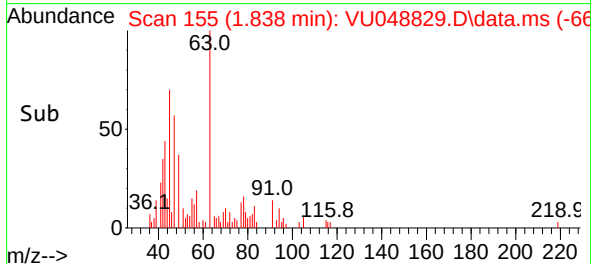
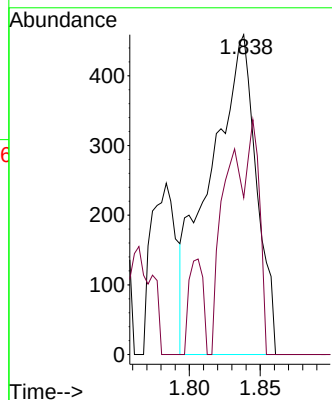
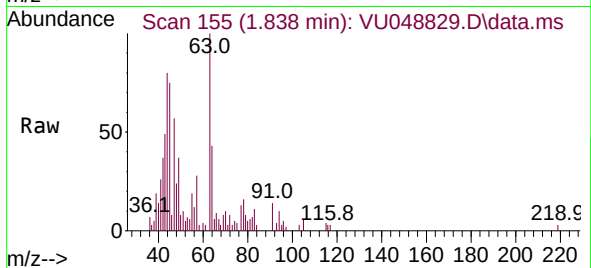




#5
Bromomethane
Concen: Below Cal
RT: 1.838 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

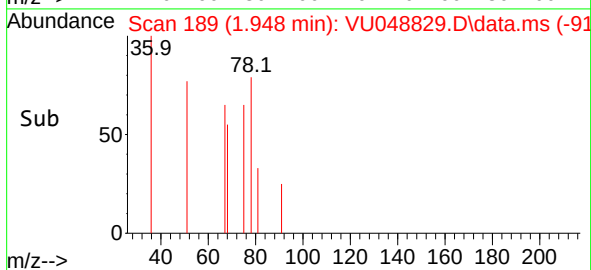
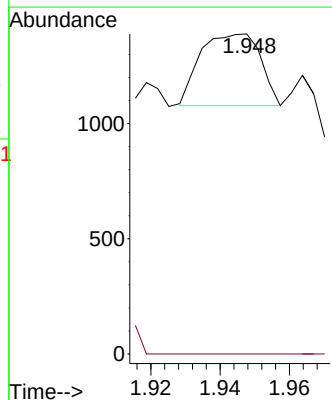
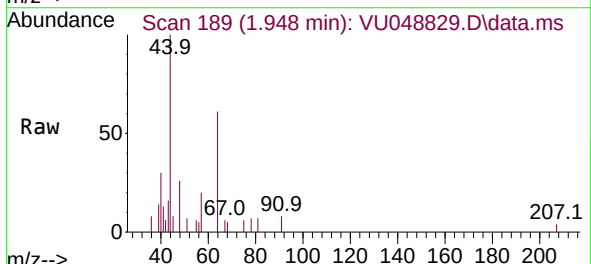
Instrument :
MSVOA_U
ClientSampleId :
GR-OF-20220527

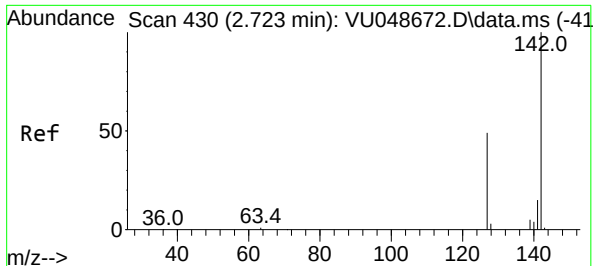
Tgt Ion: 94 Resp: 1054
Ion Ratio Lower Upper
94 100
96 49.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.948 min Scan# 189
Delta R.T. 0.016 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion: 64 Resp: 373
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

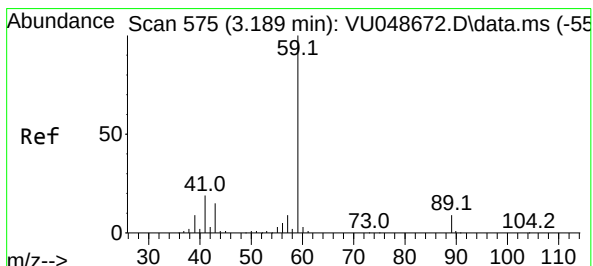
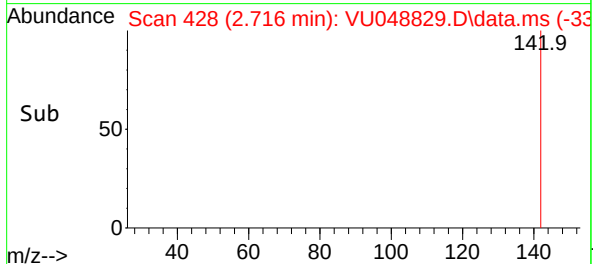
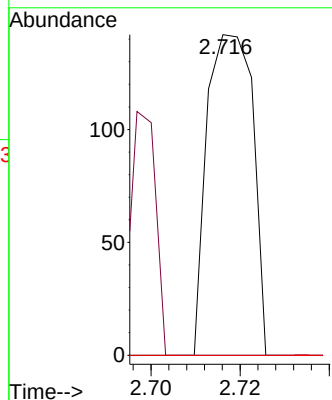
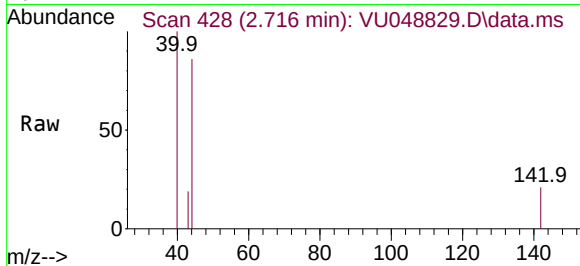




#10
Methyl Iodide
Concen: 3.023 ug/l
RT: 2.716 min Scan# 41
Delta R.T. -0.007 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

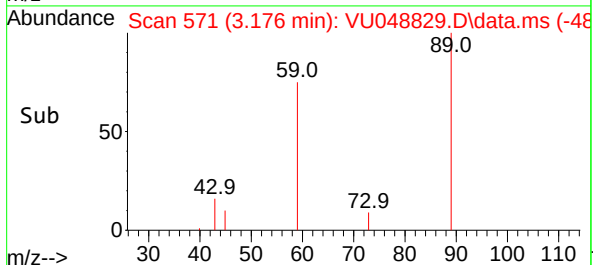
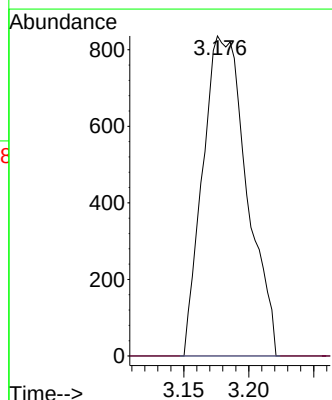
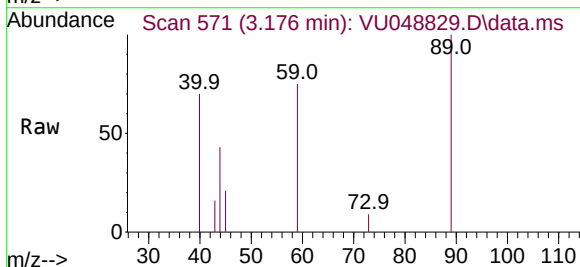
Instrument :
MSVOA_U
ClientSampleId :
GR-OF-20220527

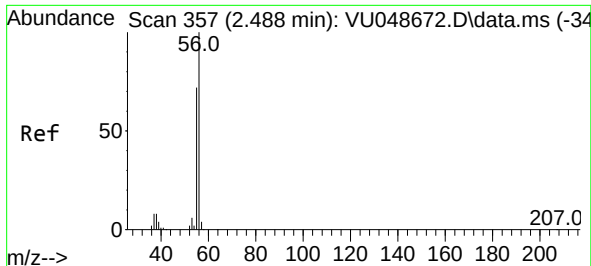
Tgt Ion:142 Resp: 101
Ion Ratio Lower Upper
142 100
127 40.6 38.4 57.6
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.596 ug/l
RT: 3.176 min Scan# 571
Delta R.T. -0.013 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion: 59 Resp: 1970
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

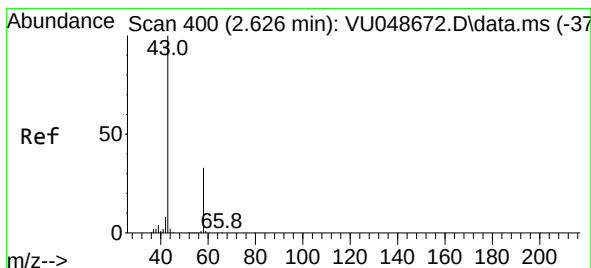
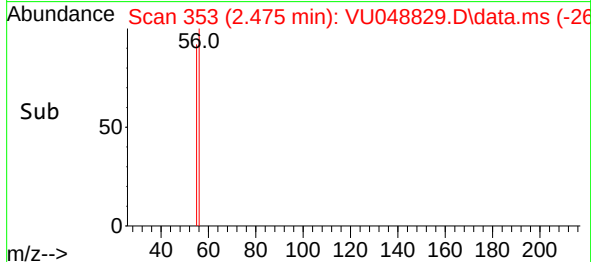
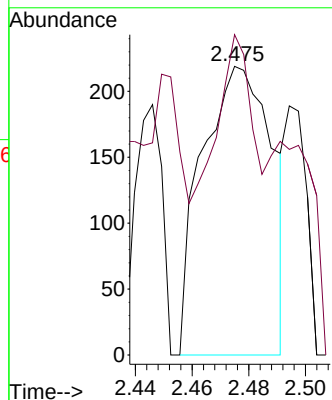
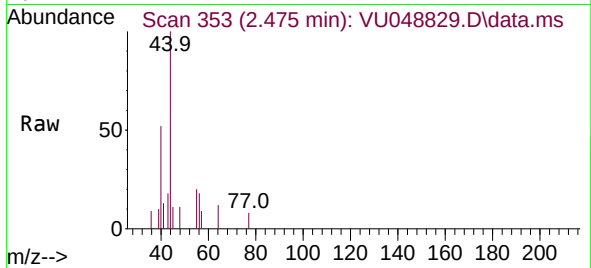




#13
Acrolein
Concen: Below Cal
RT: 2.475 min Scan# 31
Delta R.T. -0.013 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

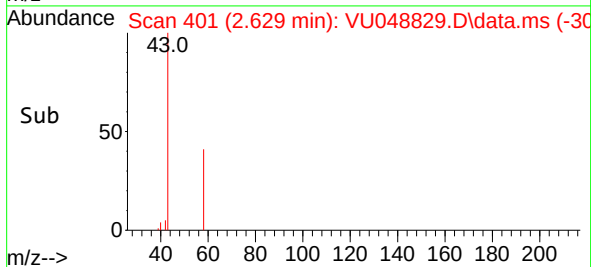
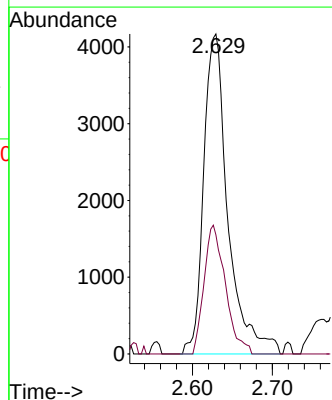
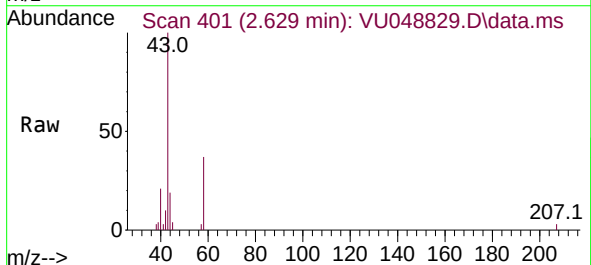
Instrument :
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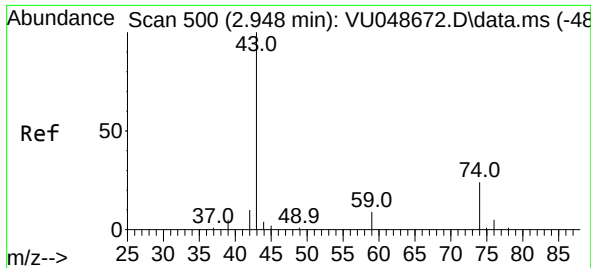
Tgt Ion: 56 Resp: 373
Ion Ratio Lower Upper
56 100
55 19.8 57.7 86.5#



#16
Acetone
Concen: 3.544 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion: 43 Resp: 8791
Ion Ratio Lower Upper
43 100
58 37.3 26.3 39.5

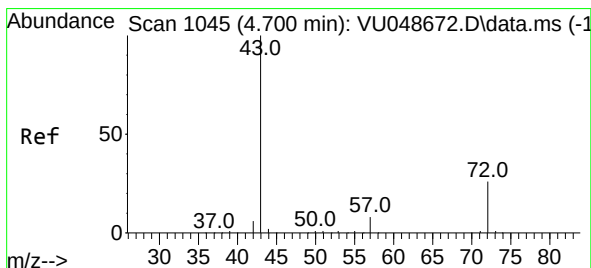
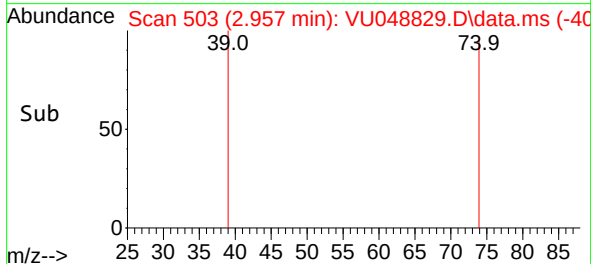
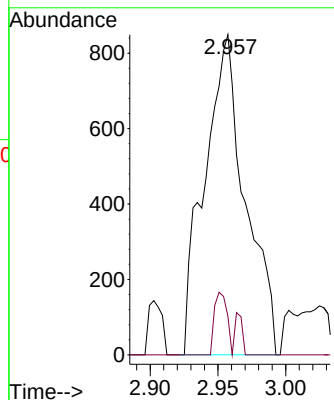
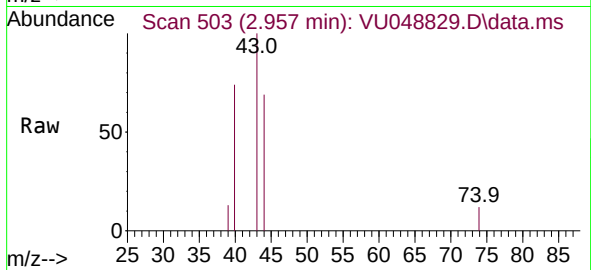




#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.010 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

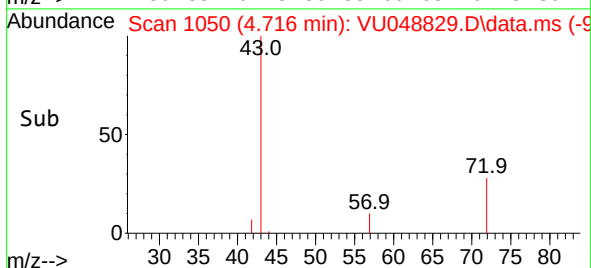
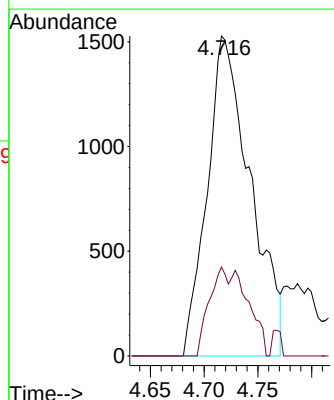
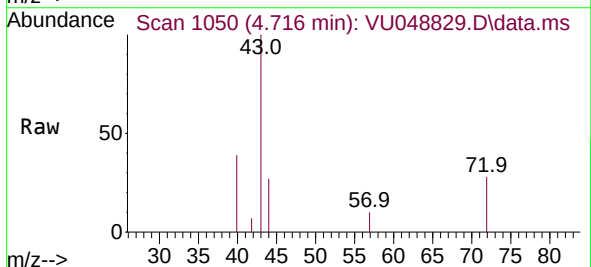
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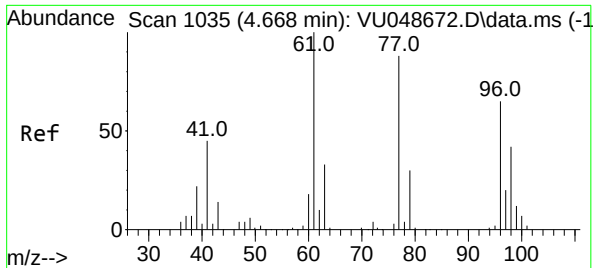
Tgt Ion: 43 Resp: 1776
Ion Ratio Lower Upper
43 100
74 6.0 19.2 28.8#



#25
2-Butanone
Concen: 1.197 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.016 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion: 43 Resp: 4264
Ion Ratio Lower Upper
43 100
72 27.8 21.1 31.7





#27

cis-1,2-Dichloroethene

Concen: 0.345 ug/l

RT: 4.671 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VU048829.D

Acq: 03 Jun 2022 02:04

Instrument :

MSVOA_U

ClientSampleId :

GR-OF-20220527

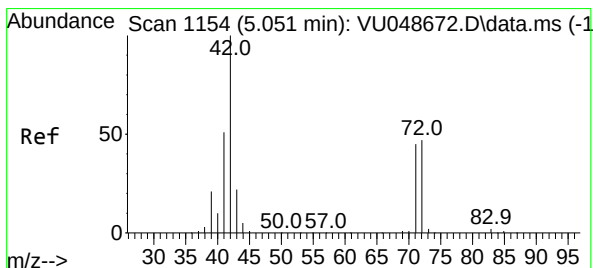
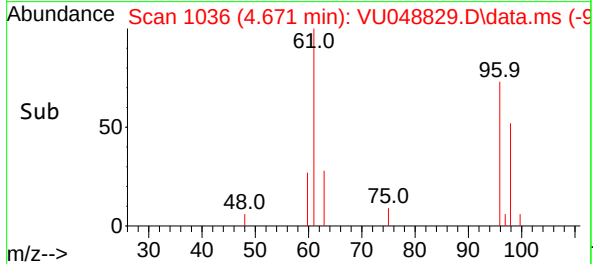
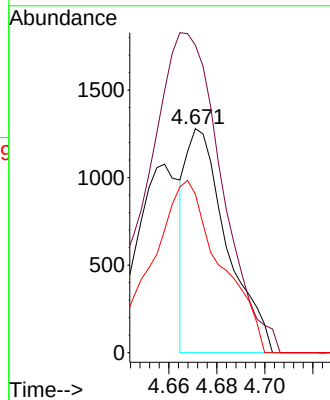
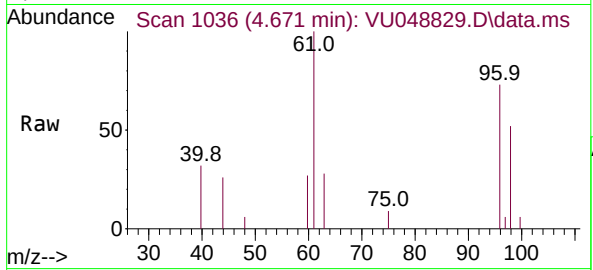
Tgt Ion: 96 Resp: 1507

Ion Ratio Lower Upper

96 100

61 263.1 0.0 306.2

98 128.3 0.0 130.4



#29

Tetrahydrofuran

Concen: 0.388 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048829.D

Acq: 03 Jun 2022 02:04

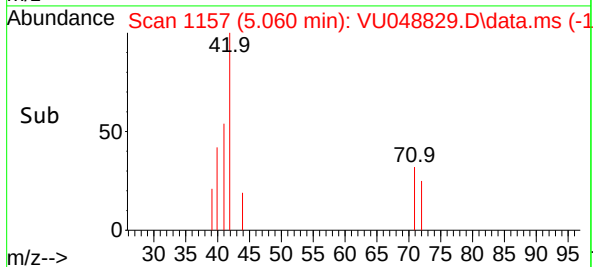
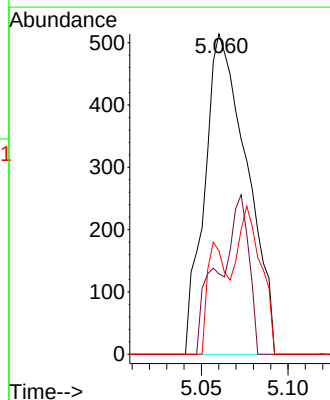
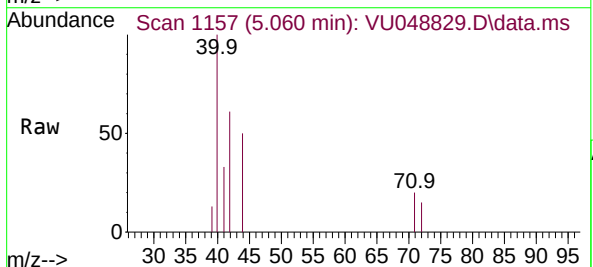
Tgt Ion: 42 Resp: 872

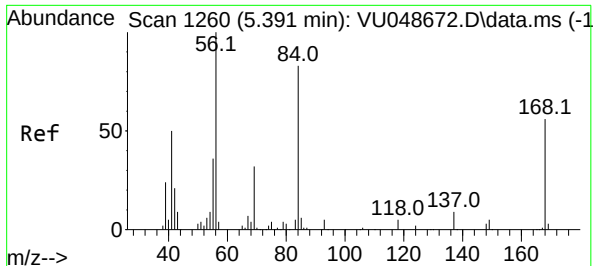
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

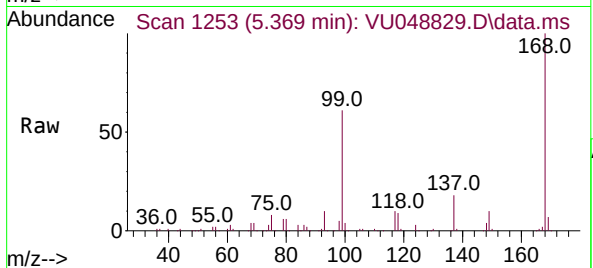
71 16.2 35.0 52.4#



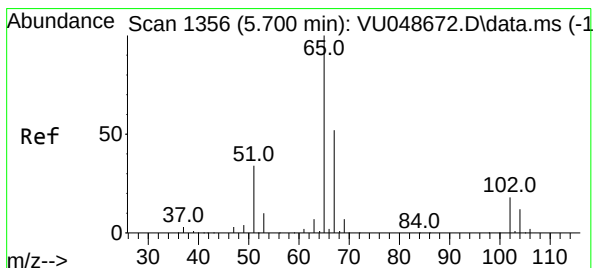
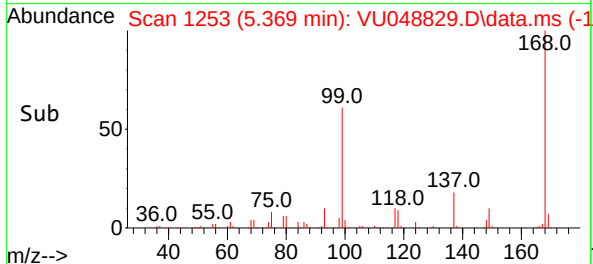
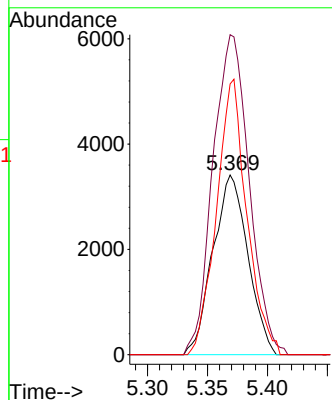


#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Instrument :
MSVOA_U
ClientSampleId :
GR-OF-20220527

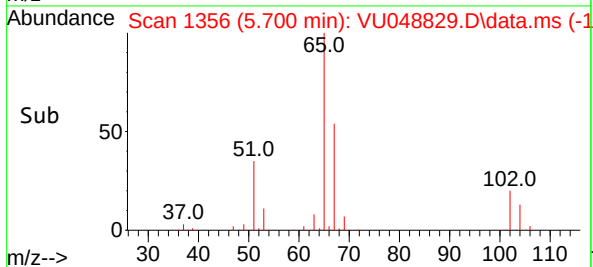
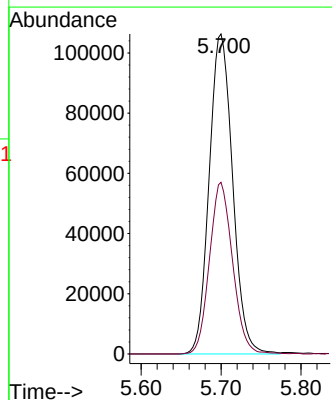
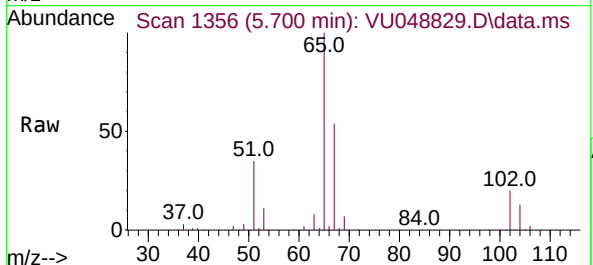


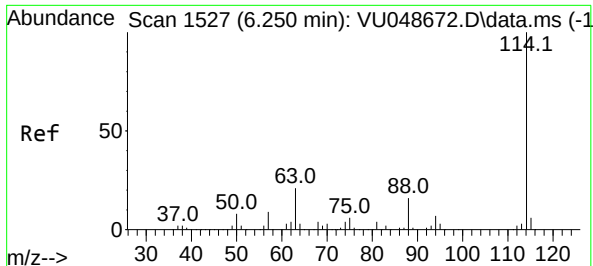
Tgt Ion: 56 Resp: 6926
Ion Ratio Lower Upper
56 100
69 178.1 25.6 38.4#
84 150.7 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 44.467 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. -0.000 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion: 65 Resp: 216432
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048829.D

Acq: 03 Jun 2022 02:04

Instrument :

MSVOA_U

ClientSampleId :

GR-OF-20220527

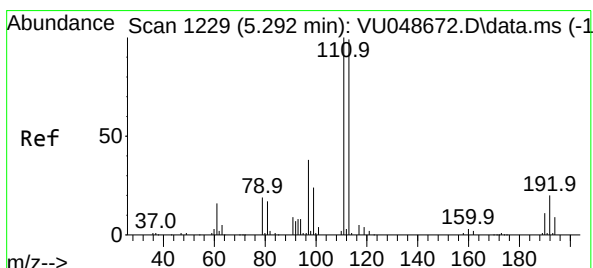
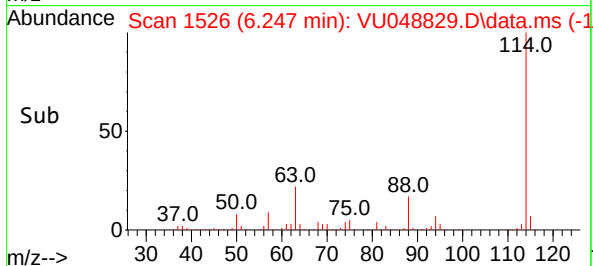
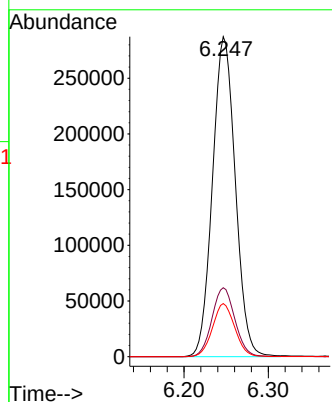
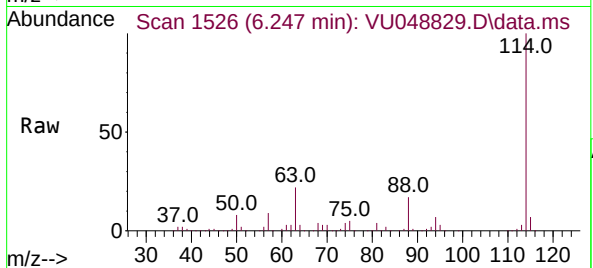
Tgt Ion:114 Resp: 540072

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

88 16.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 43.473 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048829.D

Acq: 03 Jun 2022 02:04

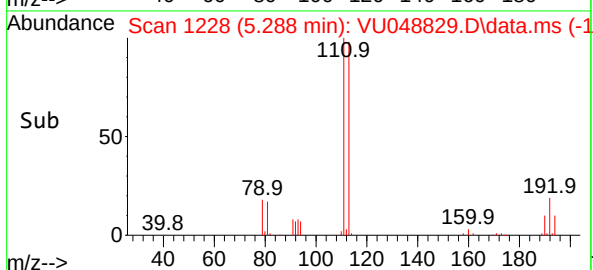
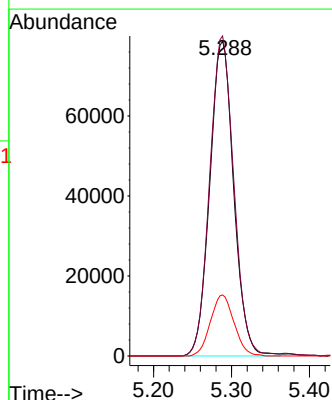
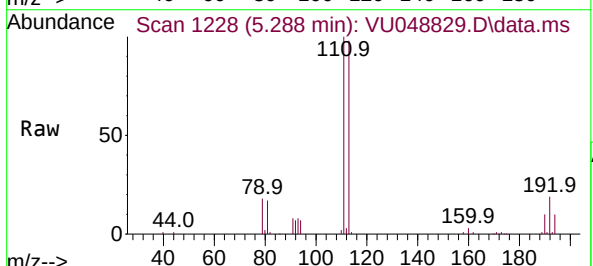
Tgt Ion:113 Resp: 167502

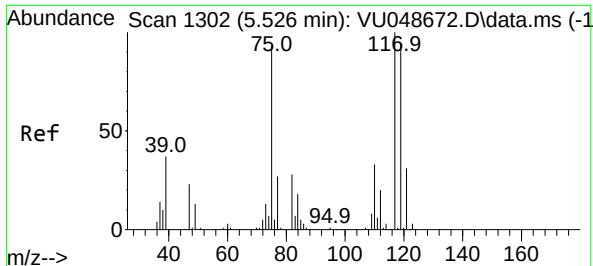
Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

192 19.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.761 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048829.D

Acq: 03 Jun 2022 02:04

Instrument :

MSVOA_U

ClientSampleId :

GR-OF-20220527

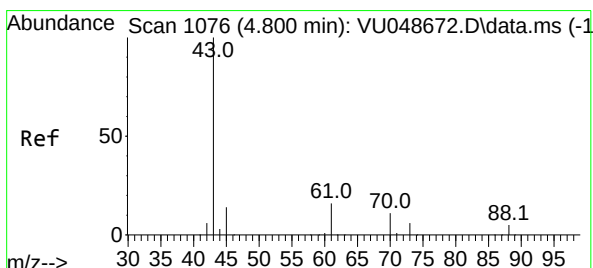
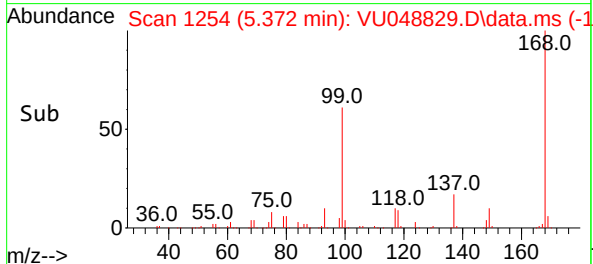
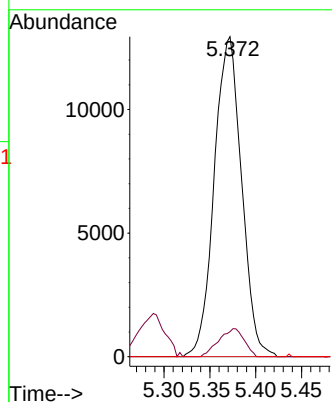
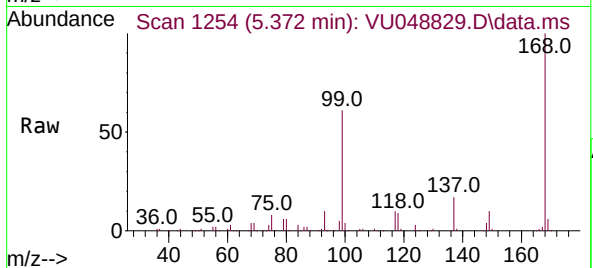
Tgt Ion: 75 Resp: 26774

Ion Ratio Lower Upper

75 100

110 8.1 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 0.600 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. -0.084 min

Lab File: VU048829.D

Acq: 03 Jun 2022 02:04

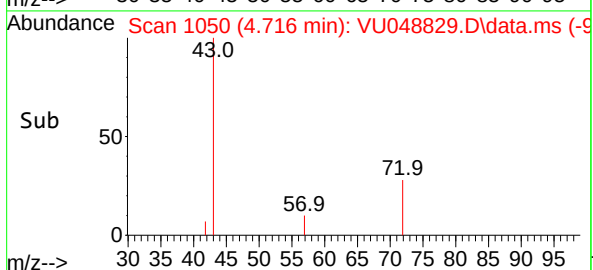
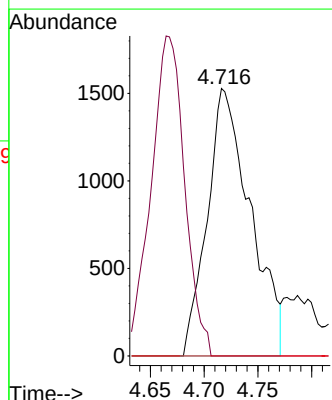
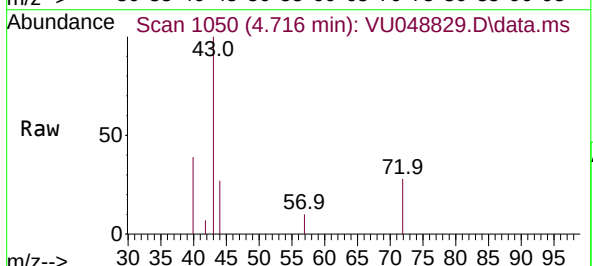
Tgt Ion: 43 Resp: 4264

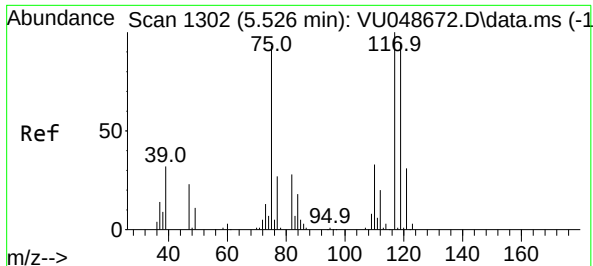
Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

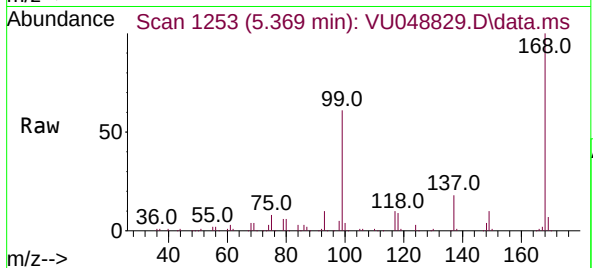
70 0.0 8.4 12.6#



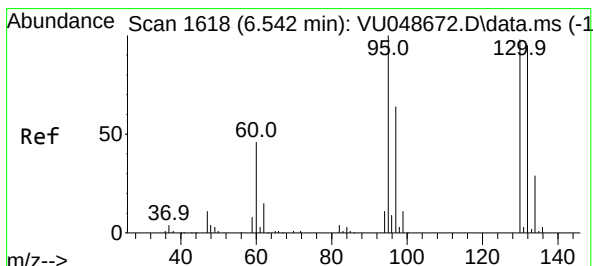
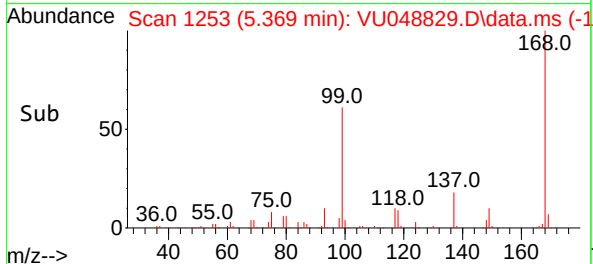
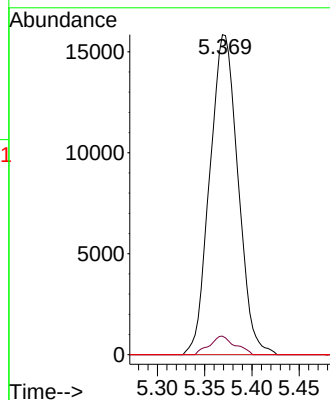


#38
Carbon Tetrachloride
Concen: 5.105 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.158 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Instrument :
MSVOA_U
ClientSampleId :
GR-OF-20220527

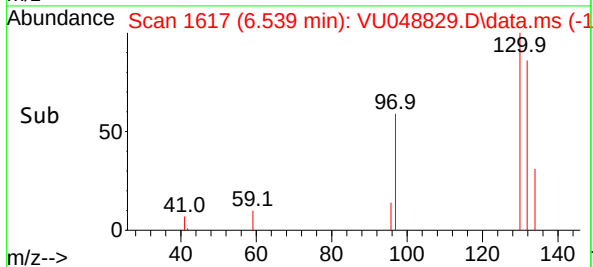
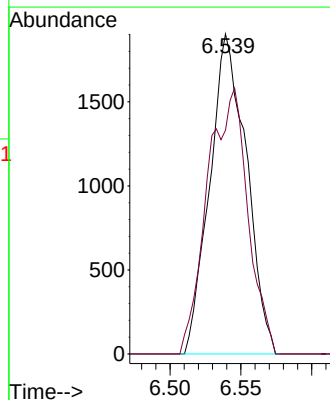
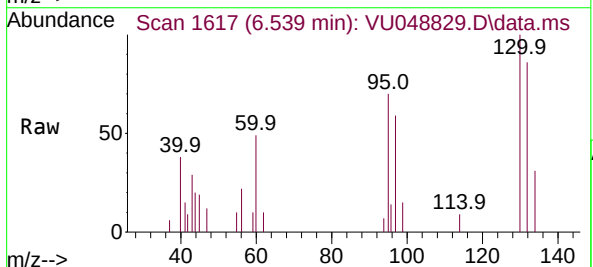


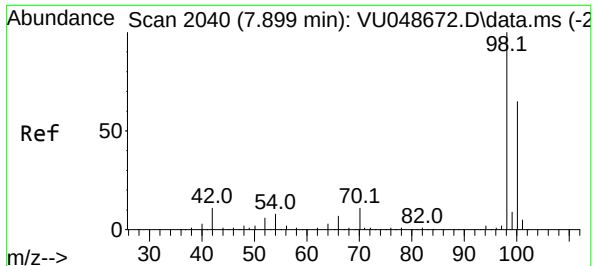
Tgt Ion:117 Resp: 32937
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 0.799 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion:130 Resp: 3419
Ion Ratio Lower Upper
130 100
95 69.9 0.0 204.8

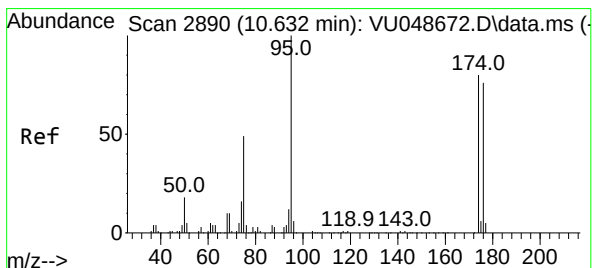
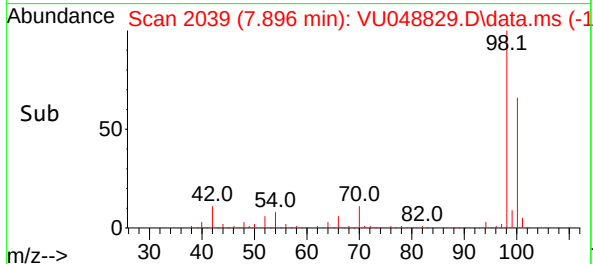
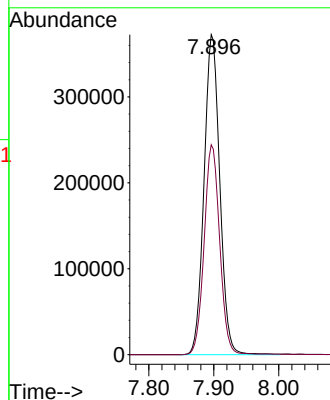
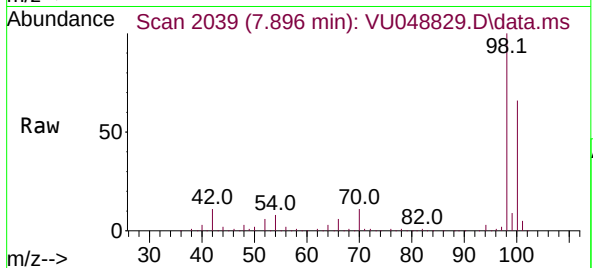




#50
Toluene-d8
Concen: 45.555 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

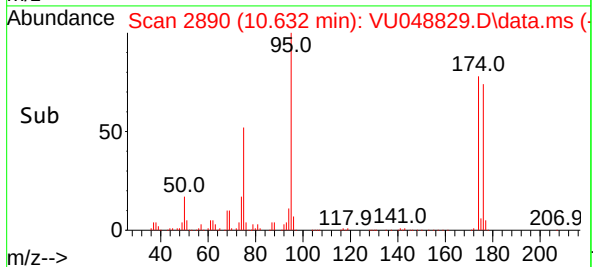
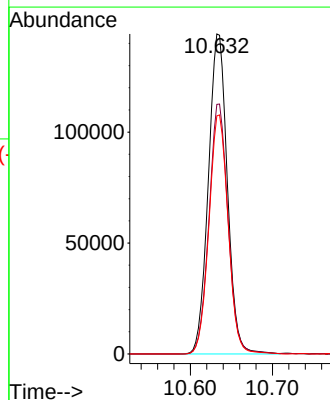
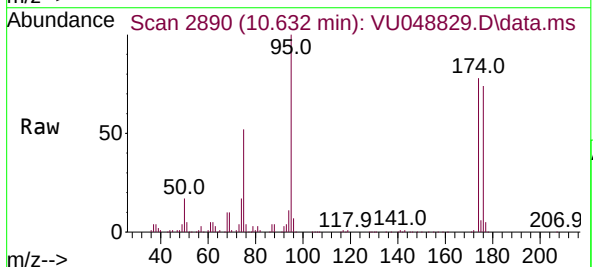
Instrument :
MSVOA_U
ClientSampleId :
GR-OF-20220527

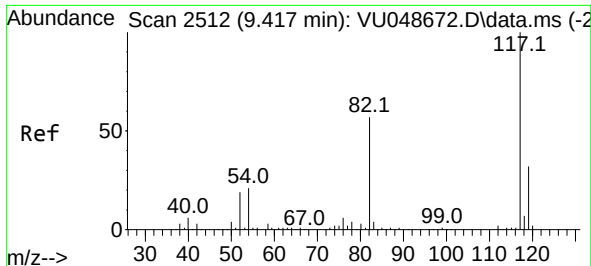
Tgt Ion: 98 Resp: 629188
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.375 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion: 95 Resp: 231790
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.4
176 75.4 0.0 152.4

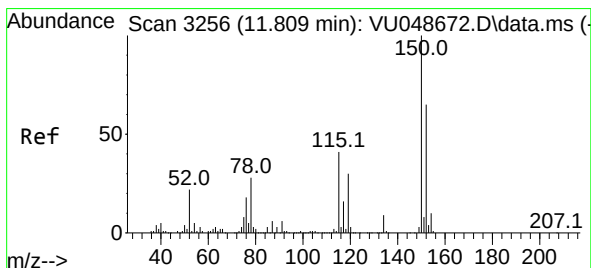
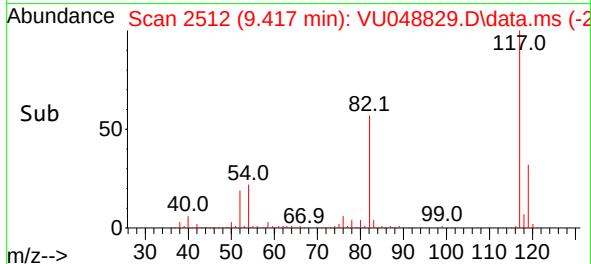
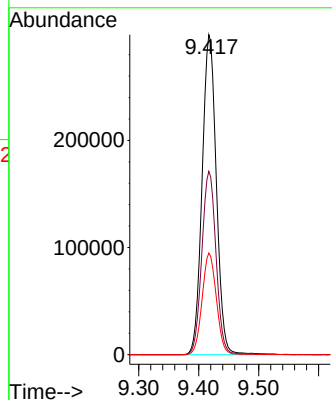
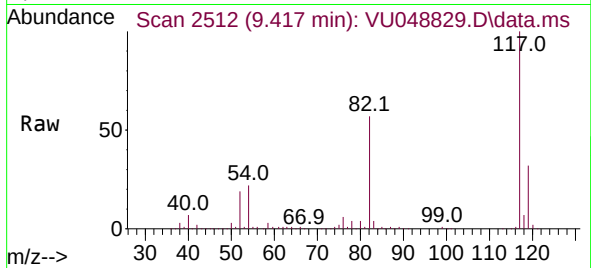




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

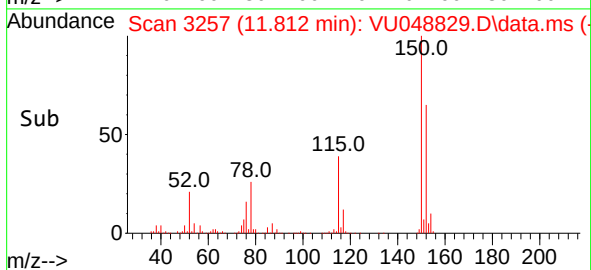
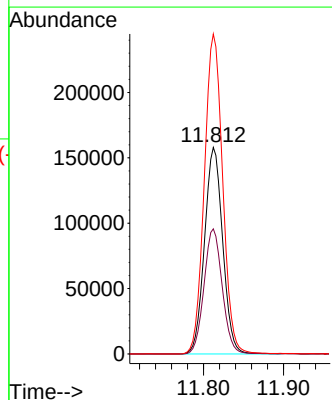
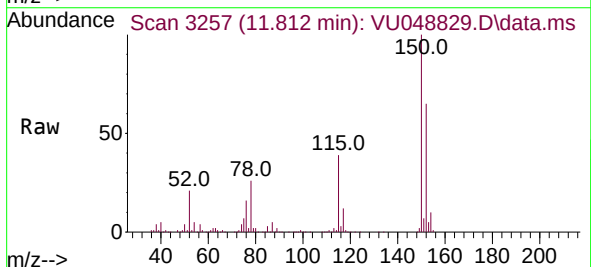
Instrument :
MSVOA_U
ClientSampleId :
GR-OF-20220527

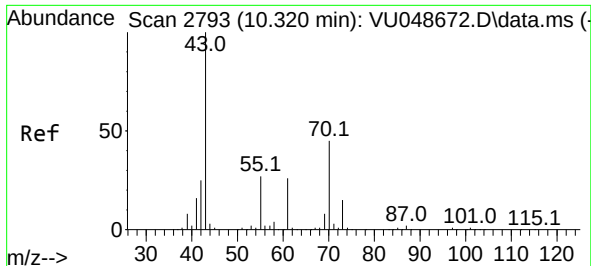
Tgt Ion:117 Resp: 494770
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion:152 Resp: 250263
Ion Ratio Lower Upper
152 100
115 60.7 41.8 125.4
150 156.1 0.0 341.0

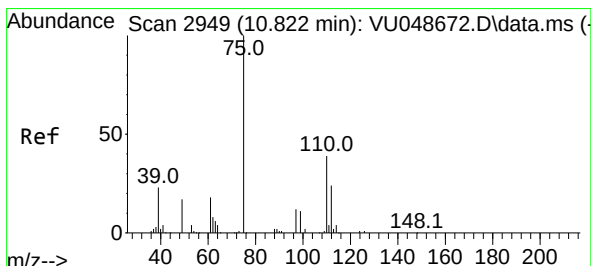
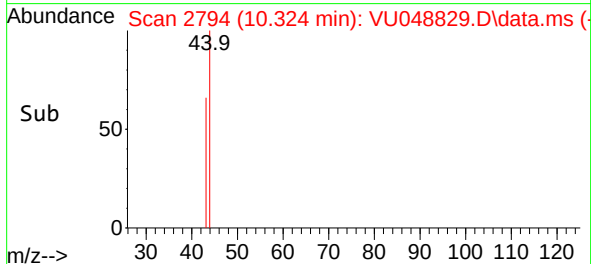
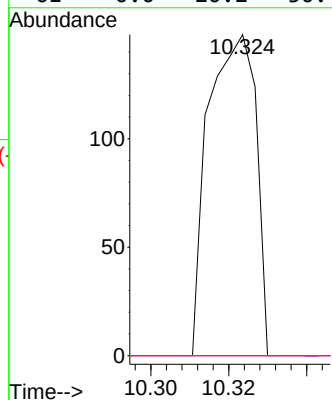
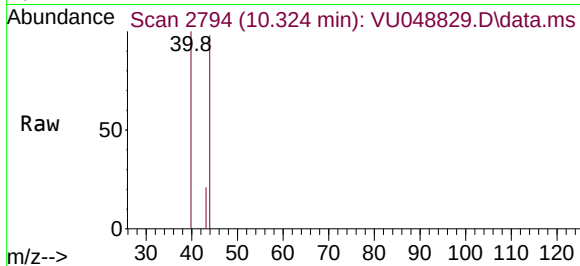




#74
N-amy1 acetate
Concen: 2.481 ug/l
RT: 10.324 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

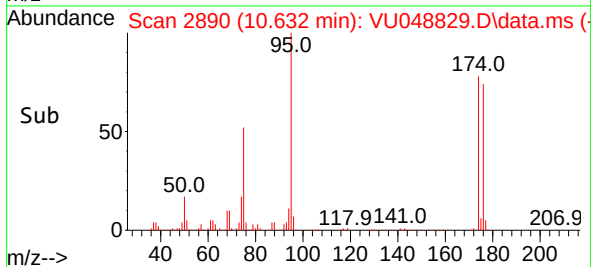
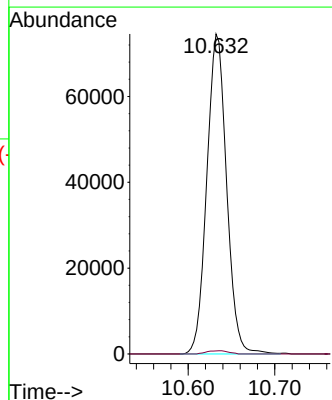
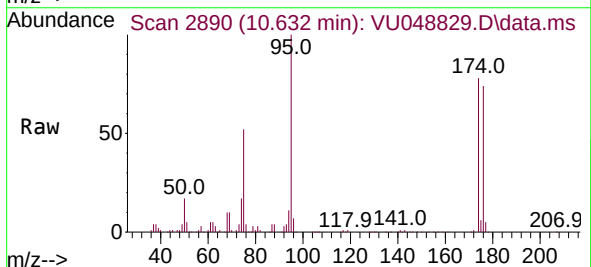
Instrument :
MSVOA_U
ClientSampleId :
GR-OF-20220527

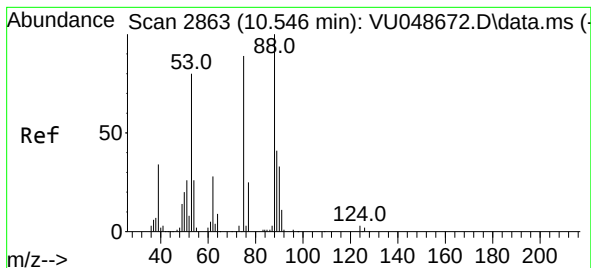
Tgt Ion: 43	Resp:	125
Ion	Ratio	Lower Upper
43	100	
70	0.0	35.8 53.6#
55	0.0	21.1 31.7#
61	0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 14.660 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion: 75	Resp:	118296
Ion	Ratio	Lower Upper
75	100	
77	1.1	14.8 44.3#

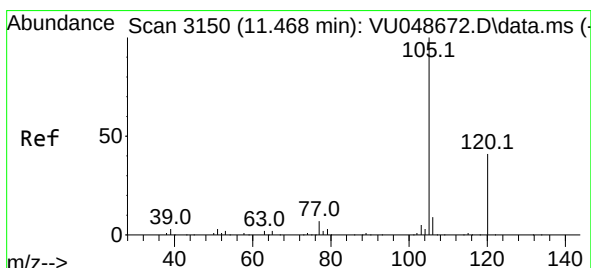
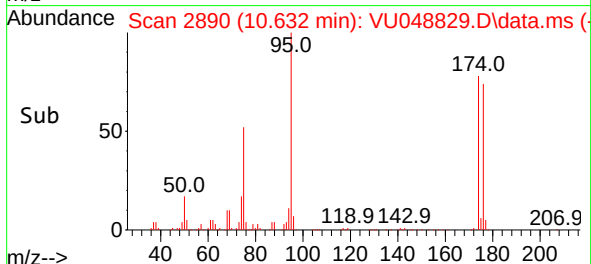
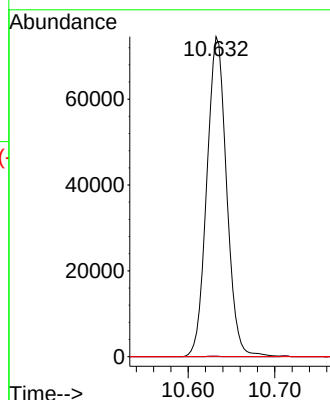
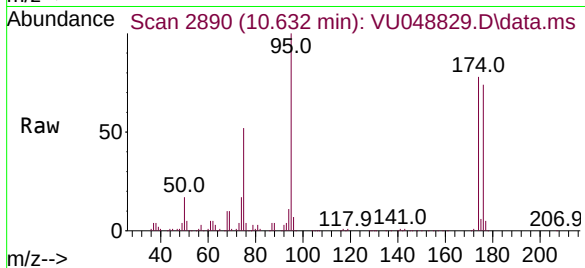




#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.230 ug/l
 RT: 10.632 min Scan# 2863
 Delta R.T. 0.087 min
 Lab File: VU048829.D
 Acq: 03 Jun 2022 02:04

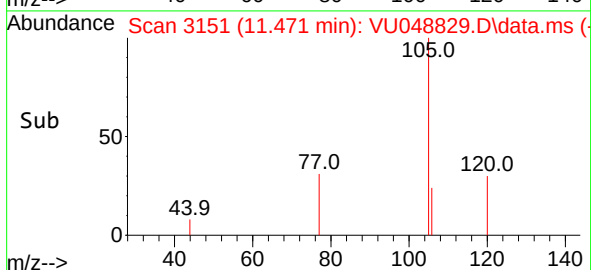
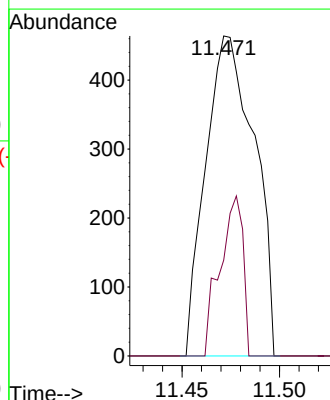
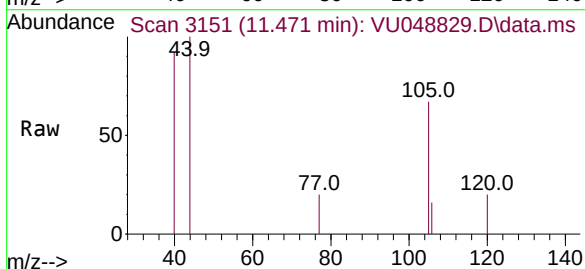
Instrument :
 MSVOA_U
 ClientSampleId :
 GR-OF-20220527

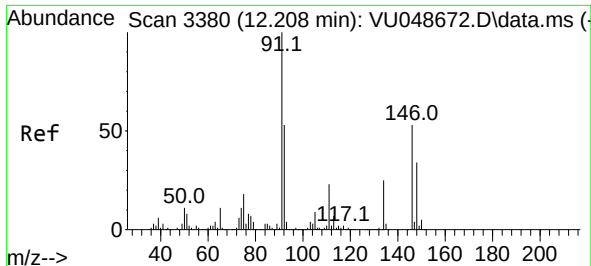
Tgt Ion: 75 Resp: 118296
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.0 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.239 ug/l
 RT: 11.471 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VU048829.D
 Acq: 03 Jun 2022 02:04

Tgt Ion: 105 Resp: 805
 Ion Ratio Lower Upper
 105 100
 120 23.6 22.5 67.5

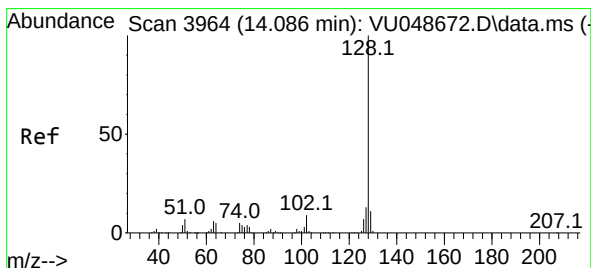
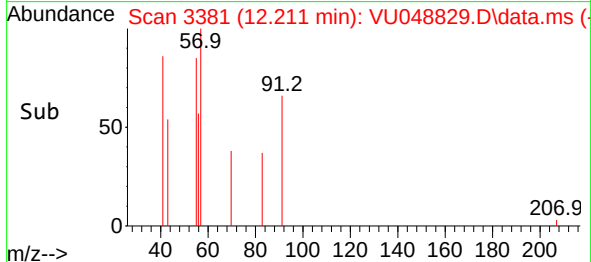
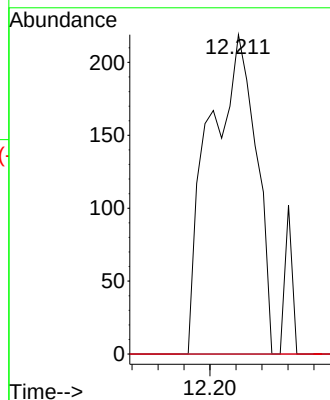
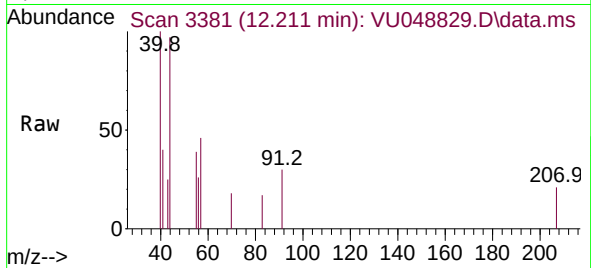




#89
n-Butylbenzene
Concen: 2.203 ug/l
RT: 12.211 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Instrument :
MSVOA_U
ClientSampleId :
GR-OF-20220527

Tgt Ion: 91 Resp: 274
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#



#95
Naphthalene
Concen: 5.193 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU048829.D
Acq: 03 Jun 2022 02:04

Tgt Ion: 128 Resp: 55196
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.7 13.1

