

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048933.D
 Acq On : 08 Jun 2022 01:03
 Operator : SY/MD
 Sample : N3164-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 37S-20220531RE

Quant Time: Jun 08 09:14:23 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)

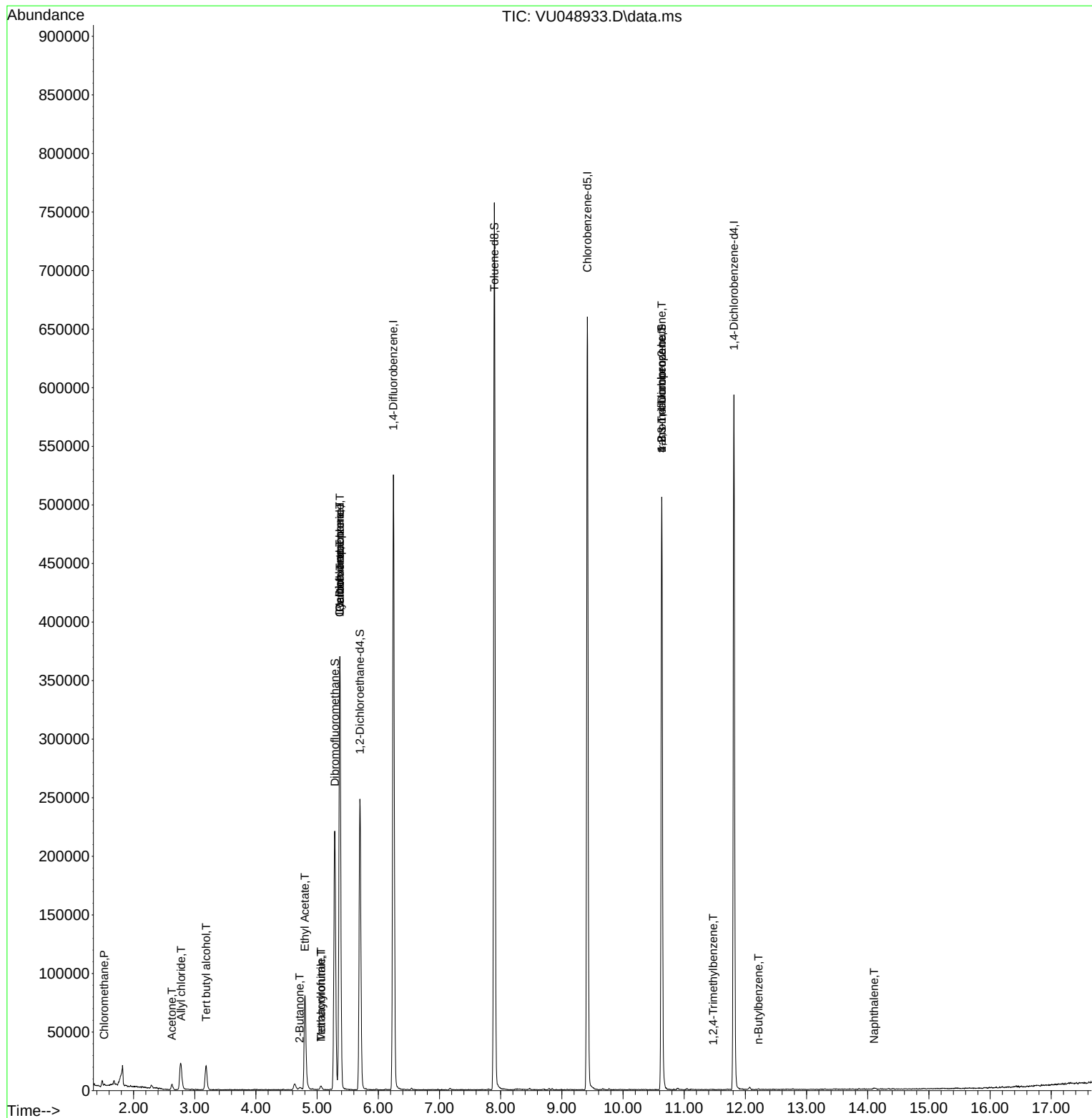
Internal Standards						
1) Pentafluorobenzene	5.372	168	247959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	415197	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	362494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	158368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	189462	50.878	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.760%
35) Dibromofluoromethane	5.288	113	141568	47.793	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.580%
50) Toluene-d8	7.896	98	488523	46.009	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.020%
62) 4-Bromofluorobenzene	10.632	95	167279	41.657	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.320%
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	1011	0.277	ug/l	99
5) Bromomethane	1.825	94	450	Below Cal		85
6) Chloroethane	1.935	64	60	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	13357	14.148	ug/l #	30
14) Allyl chloride	2.777	41	3570	0.730	ug/l #	77
16) Acetone	2.626	43	5227	2.754	ug/l	91
25) 2-Butanone	4.713	43	3580	1.313	ug/l	100
29) Tetrahydrofuran	5.063	42	1837	1.070	ug/l #	68
31) Cyclohexane	5.369	56	5250	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	20836	4.820	ug/l #	50
37) Ethyl Acetate	4.800	43	105490	19.302	ug/l	99
38) Carbon Tetrachloride	5.372	117	26235	5.290	ug/l #	18
41) Methacrylonitrile	5.063	41	1230	0.445	ug/l #	45
76) 1,2,3-Trichloropropane	10.632	75	86646	16.969	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	86646	61.612	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	130	1.200	ug/l #	31
89) n-Butylbenzene	12.214	91	279	2.214	ug/l #	70
95) Naphthalene	14.105	128	1883	2.676	ug/l #	81

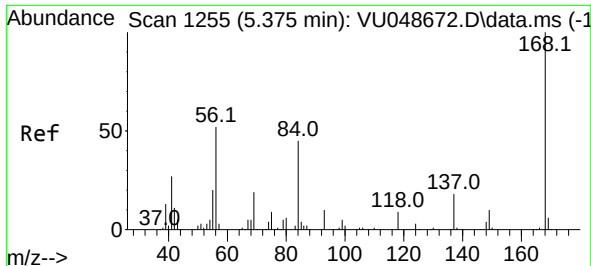
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
Data File : VU048933.D
Acq On : 08 Jun 2022 01:03
Operator : SY/MD
Sample : N3164-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
37S-20220531RE

Quant Time: Jun 08 09:14:23 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

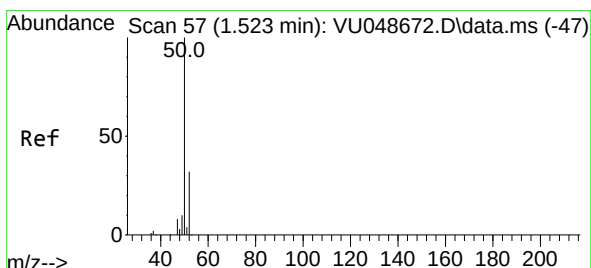
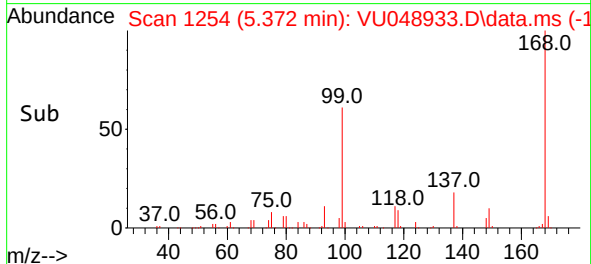
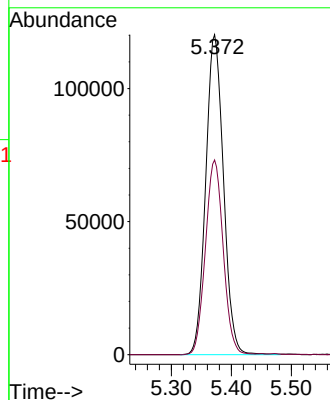
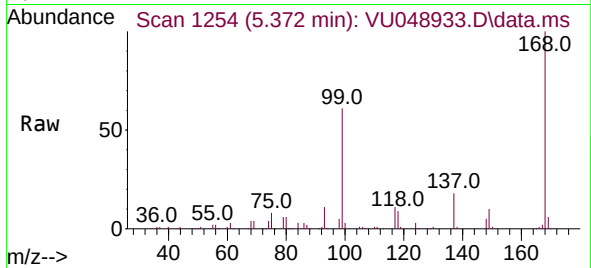




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

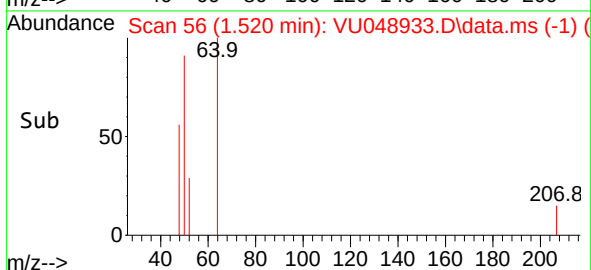
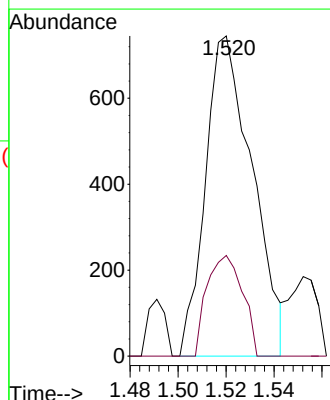
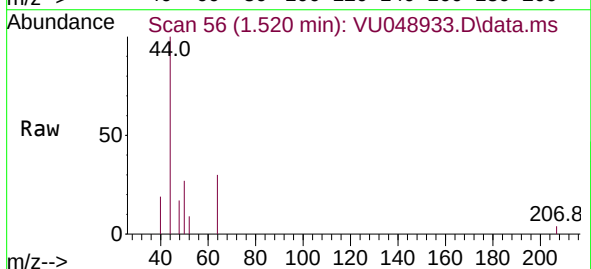
Instrument :
MSVOA_U
ClientSampleId :
37S-20220531RE

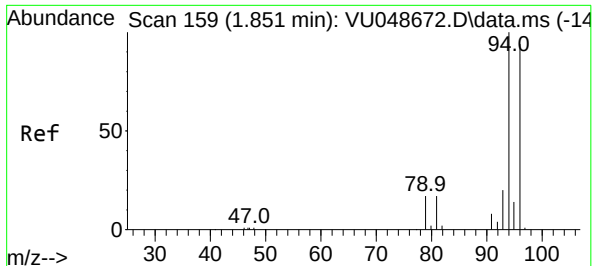
Tgt Ion:168 Resp: 247959
Ion Ratio Lower Upper
168 100
99 60.8 49.3 73.9



#3
Chloromethane
Concen: 0.277 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

Tgt Ion: 50 Resp: 1011
Ion Ratio Lower Upper
50 100
52 31.4 25.7 38.5

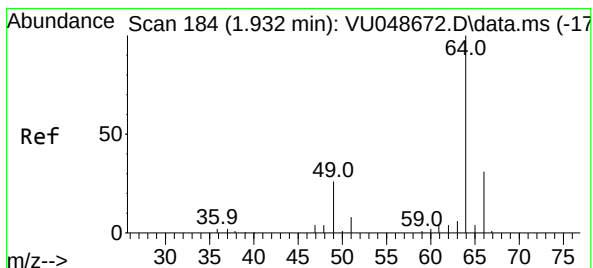
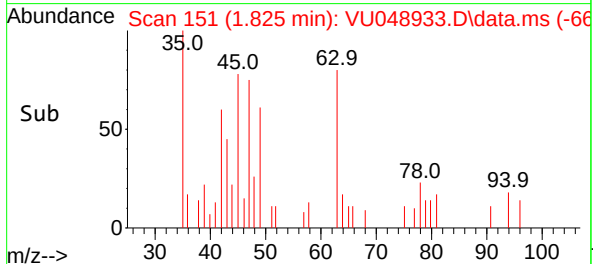
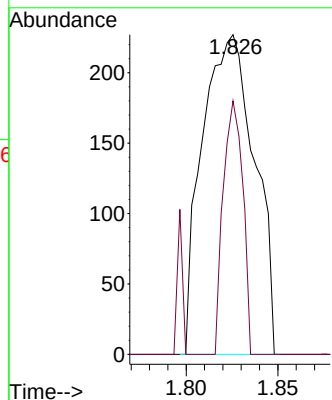
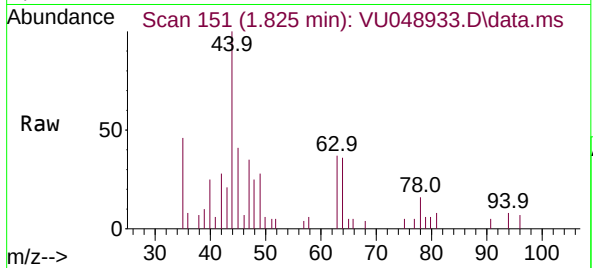




#5
Bromomethane
Concen: Below Cal
RT: 1.825 min Scan# 11
Delta R.T. -0.026 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

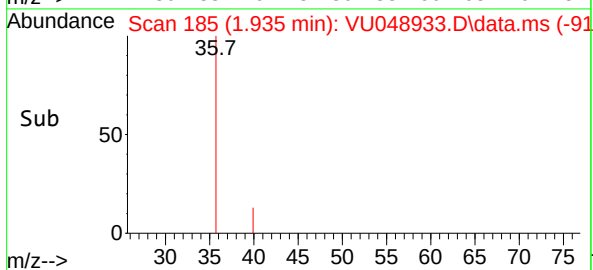
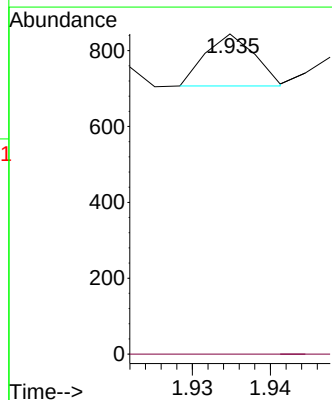
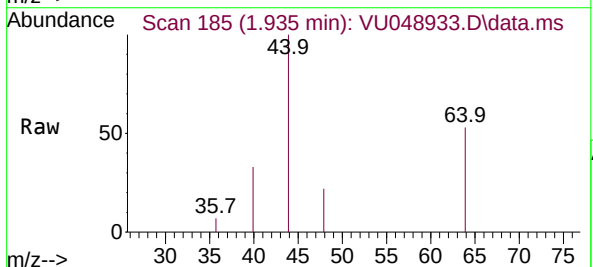
Instrument :
MSVOA_U
ClientSampleId :
37S-20220531RE

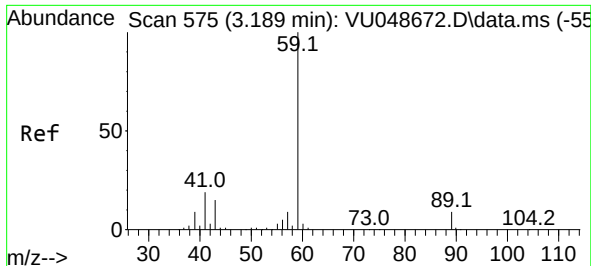
Tgt Ion: 94 Resp: 450
Ion Ratio Lower Upper
94 100
96 79.3 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.935 min Scan# 185
Delta R.T. 0.003 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

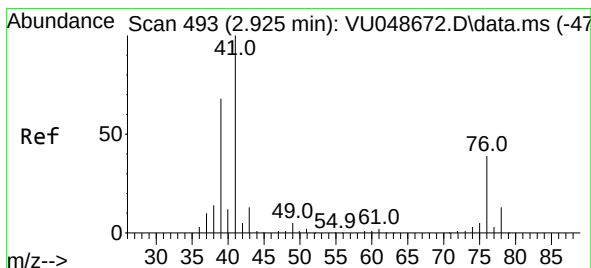
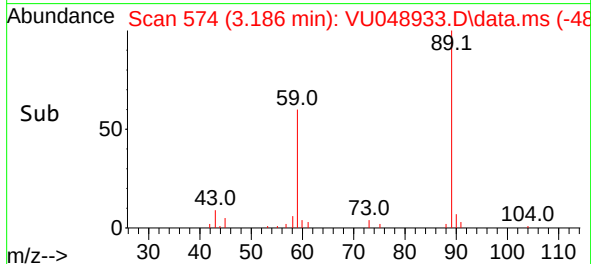
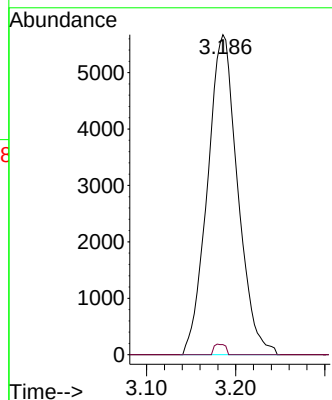
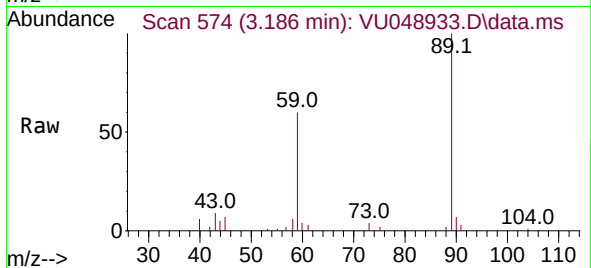




#11
Tert butyl alcohol
Concen: 14.148 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

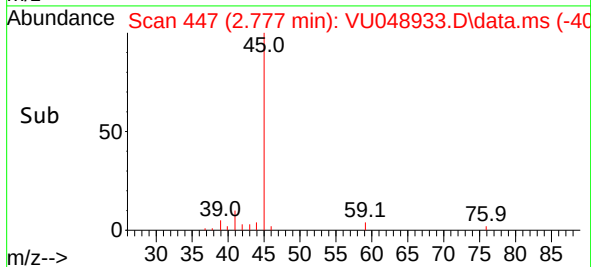
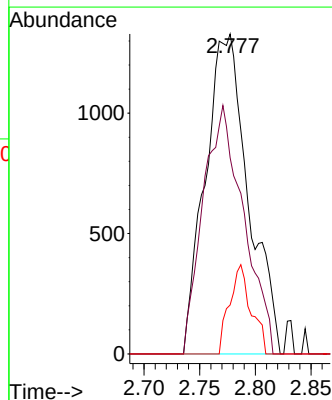
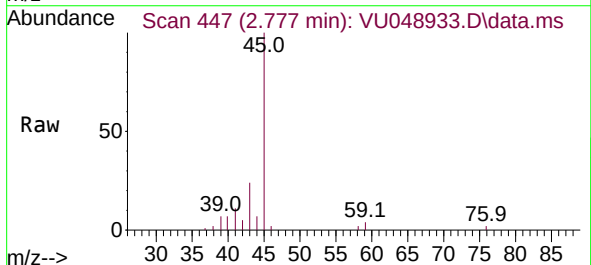
Instrument :
MSVOA_U
ClientSampleId :
37S-20220531RE

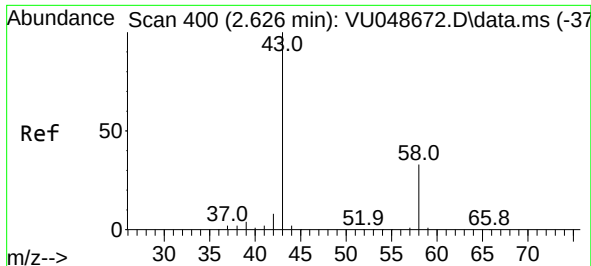
Tgt Ion: 59 Resp: 13357
Ion Ratio Lower Upper
59 100
57 1.2 39.7 59.5#



#14
Allyl chloride
Concen: 0.730 ug/l
RT: 2.777 min Scan# 447
Delta R.T. -0.148 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

Tgt Ion: 41 Resp: 3570
Ion Ratio Lower Upper
41 100
39 73.2 48.6 72.8#
76 13.9 27.0 40.4#

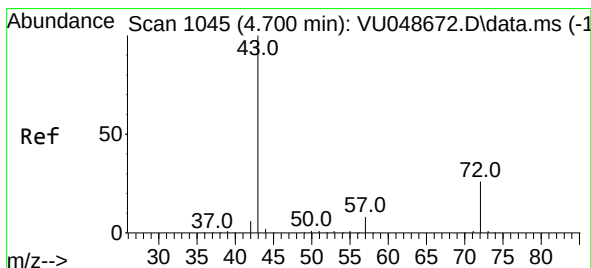
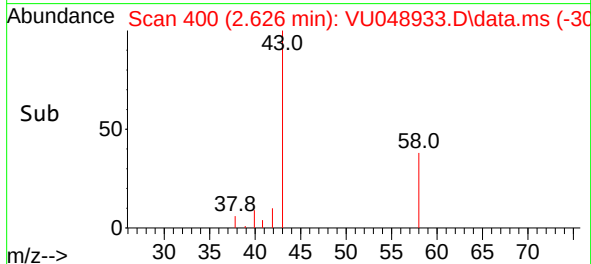
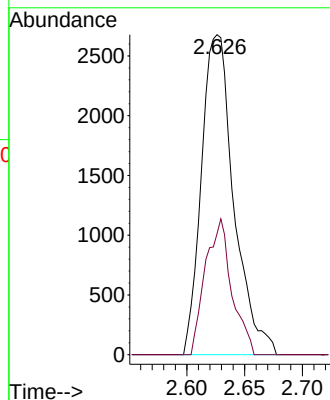
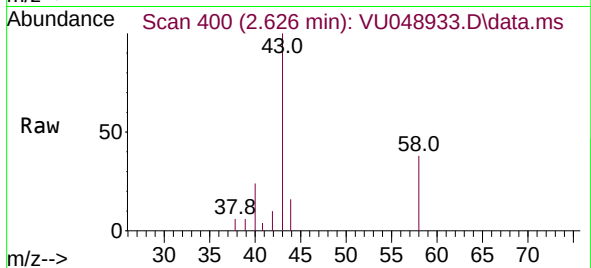




#16
Acetone
Concen: 2.754 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

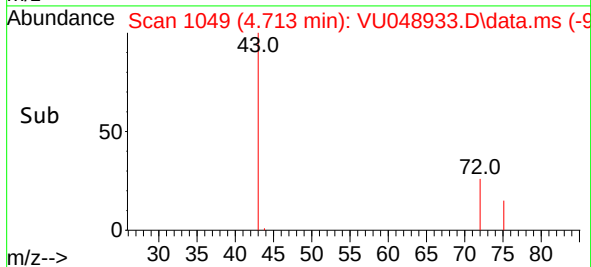
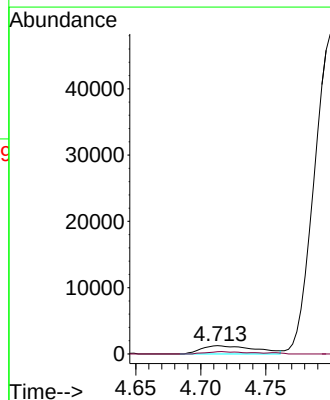
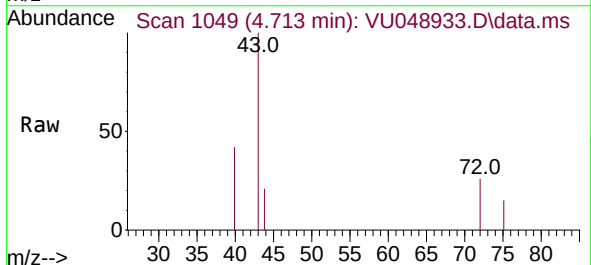
Instrument :
MSVOA_U
ClientSampleId :
37S-20220531RE

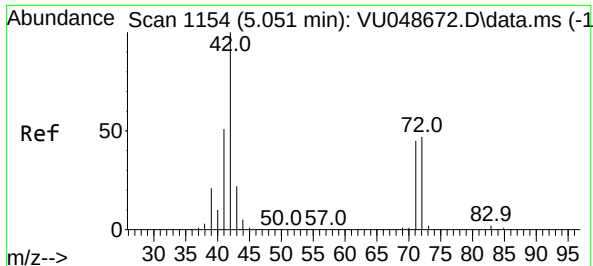
Tgt Ion: 43 Resp: 5227
Ion Ratio Lower Upper
43 100
58 37.8 26.3 39.5



#25
2-Butanone
Concen: 1.313 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

Tgt Ion: 43 Resp: 3580
Ion Ratio Lower Upper
43 100
72 26.4 21.1 31.7





#29

Tetrahydrofuran

Concen: 1.070 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.013 min

Lab File: VU048933.D

Acq: 08 Jun 2022 01:03

Instrument :

MSVOA_U

ClientSampleId :

37S-20220531RE

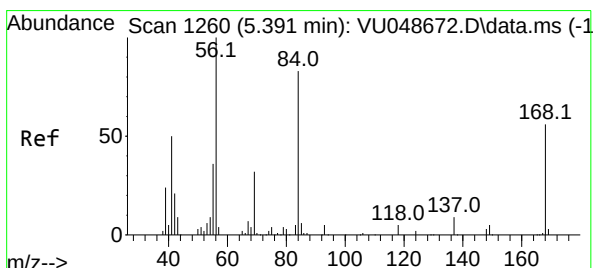
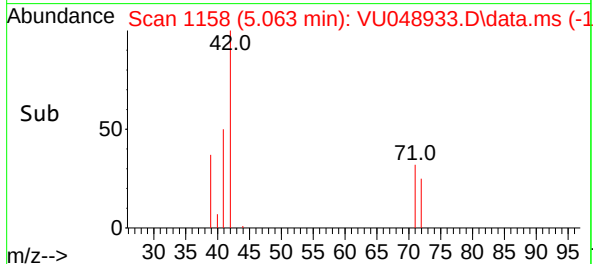
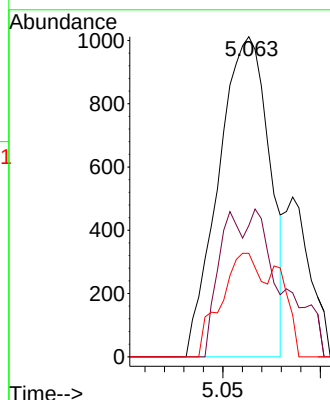
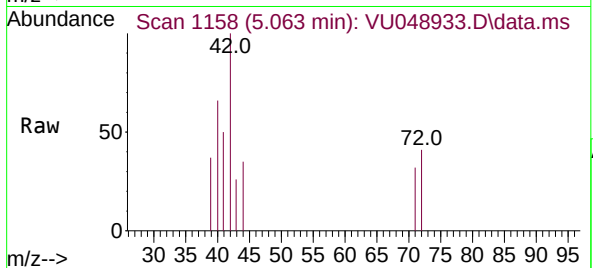
Tgt Ion: 42 Resp: 1837

Ion Ratio Lower Upper

42 100

72 21.9 37.6 56.4#

71 26.8 35.0 52.4#



#31

Cyclohexane

Concen: 1.119 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.023 min

Lab File: VU048933.D

Acq: 08 Jun 2022 01:03

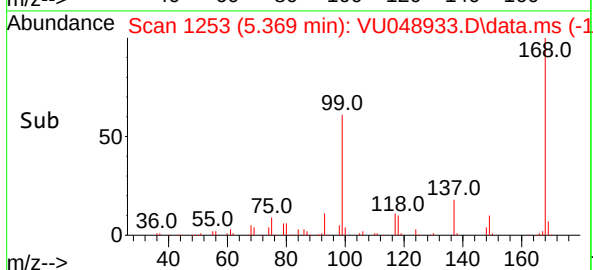
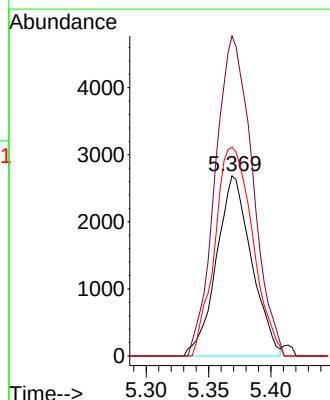
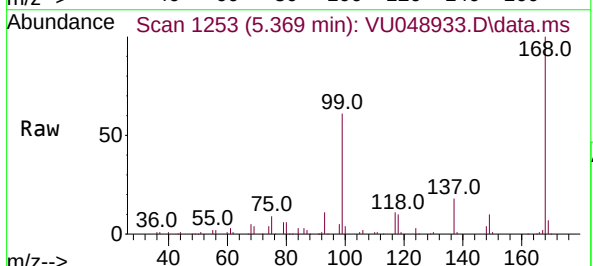
Tgt Ion: 56 Resp: 5250

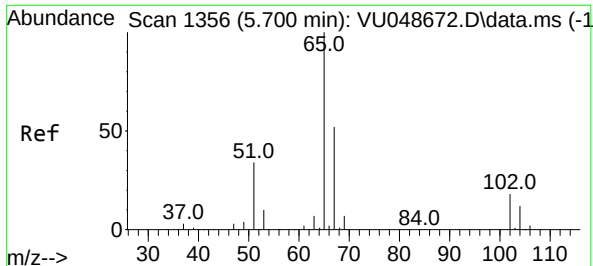
Ion Ratio Lower Upper

56 100

69 177.6 25.6 38.4#

84 115.9 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.878 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048933.D

Acq: 08 Jun 2022 01:03

Instrument :

MSVOA_U

ClientSampleId :

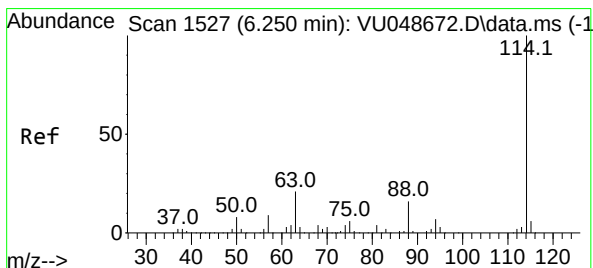
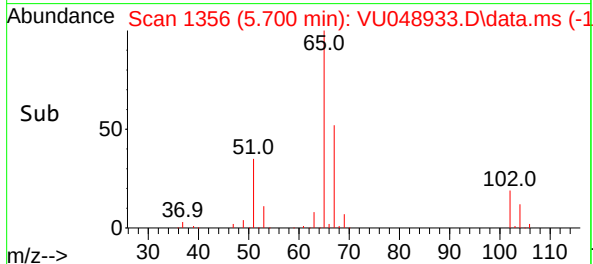
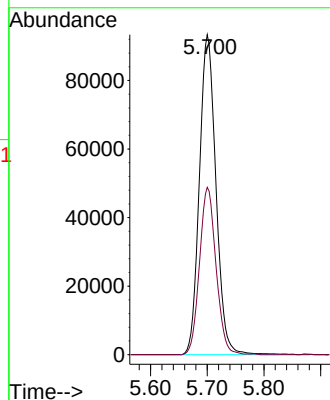
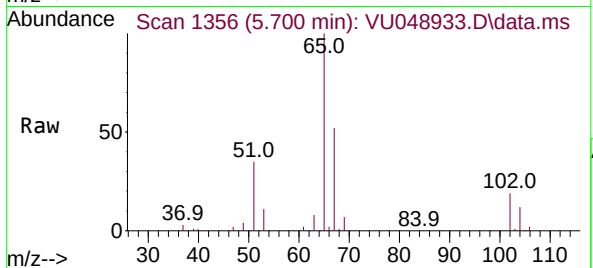
37S-20220531RE

Tgt Ion: 65 Resp: 189462

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.003 min

Lab File: VU048933.D

Acq: 08 Jun 2022 01:03

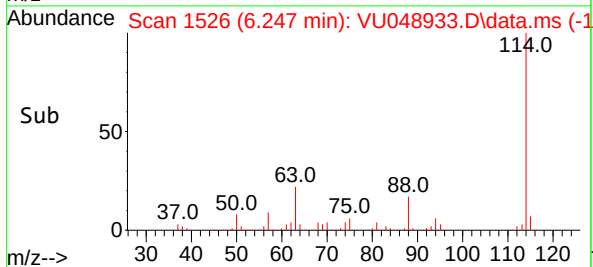
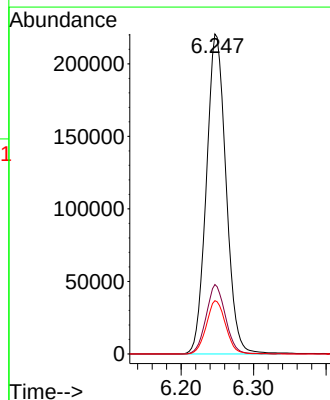
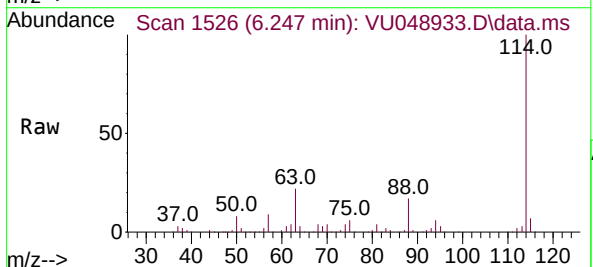
Tgt Ion: 114 Resp: 415197

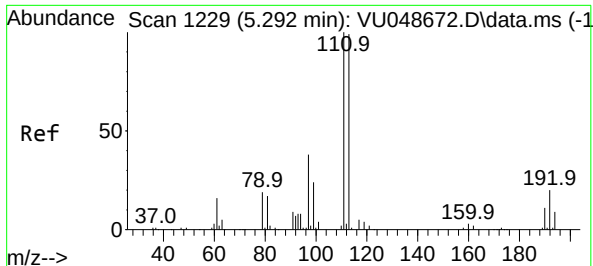
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

88 16.6 0.0 32.2

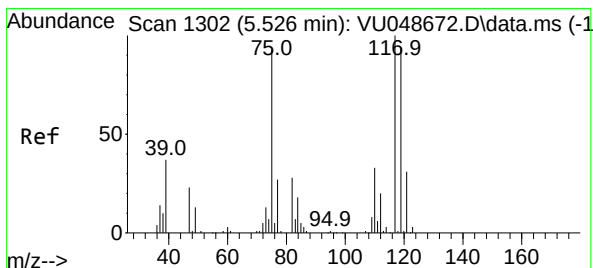
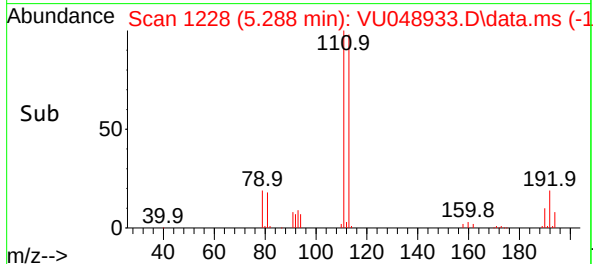
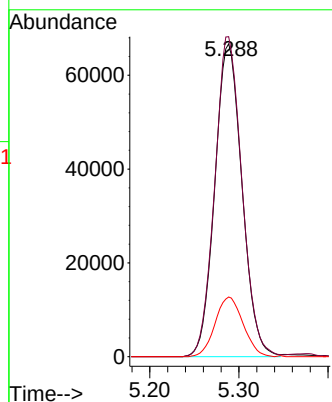
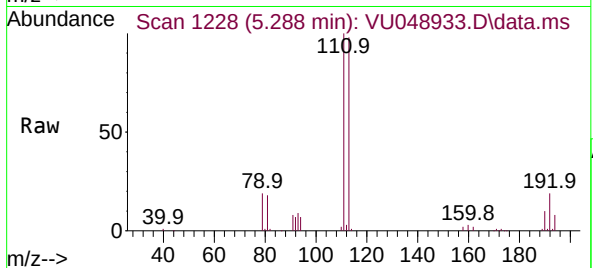




#35
Dibromofluoromethane
Concen: 47.793 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

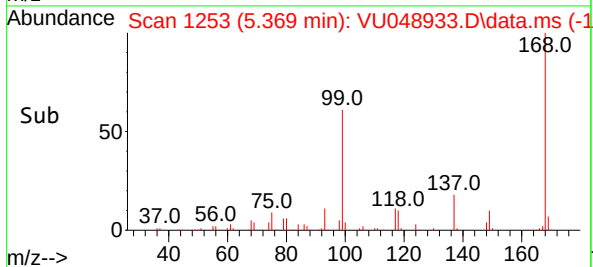
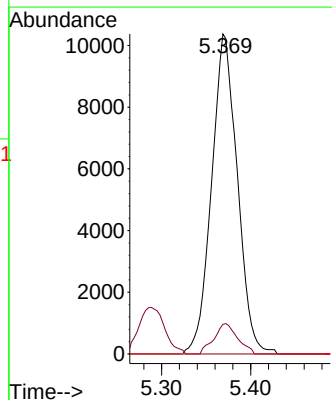
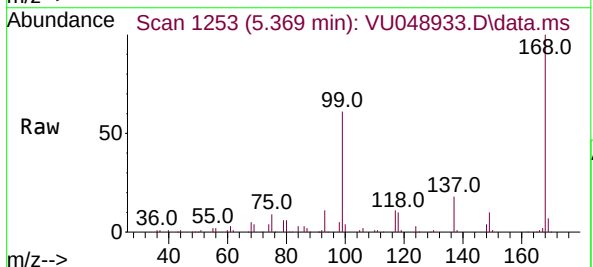
Instrument :
MSVOA_U
ClientSampleId :
37S-20220531RE

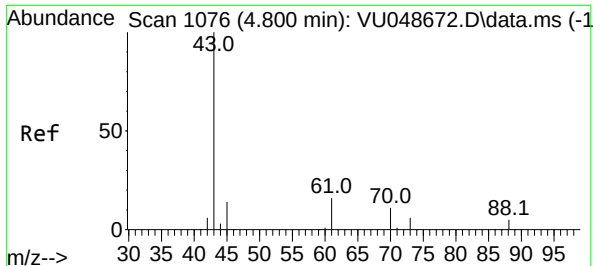
Tgt Ion:113 Resp: 141568
Ion Ratio Lower Upper
113 100
111 102.2 80.7 121.1
192 19.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.158 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

Tgt Ion: 75 Resp: 20836
Ion Ratio Lower Upper
75 100
110 8.7 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 19.302 ug/l

RT: 4.800 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048933.D

Acq: 08 Jun 2022 01:03

Instrument :

MSVOA_U

ClientSampleId :

37S-20220531RE

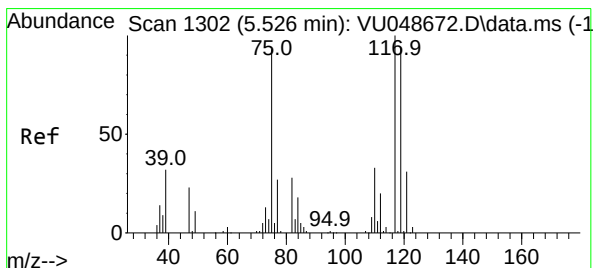
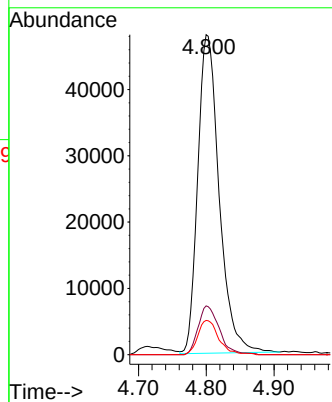
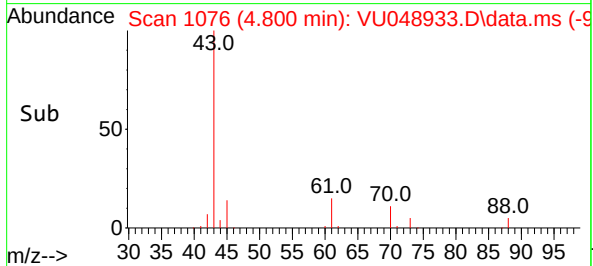
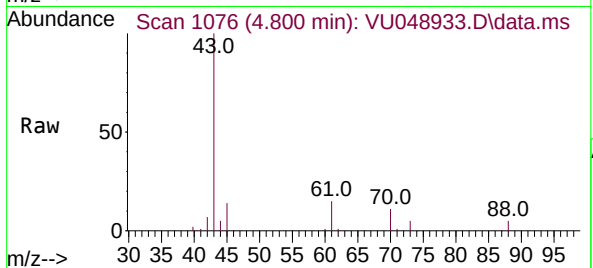
Tgt Ion: 43 Resp: 105490

Ion Ratio Lower Upper

43 100

61 15.1 11.7 17.5

70 10.4 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.290 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048933.D

Acq: 08 Jun 2022 01:03

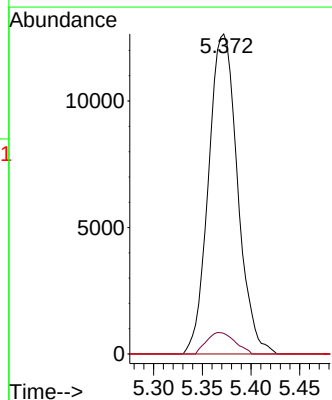
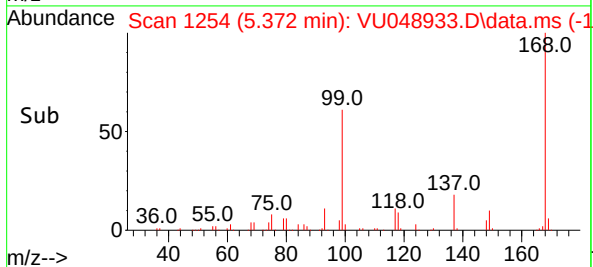
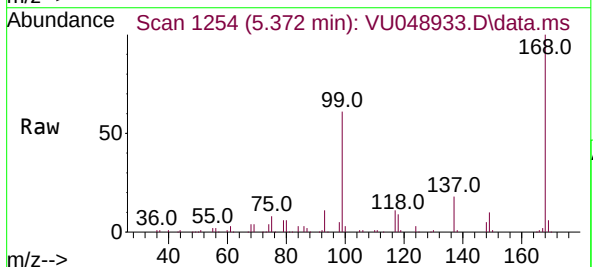
Tgt Ion: 117 Resp: 26235

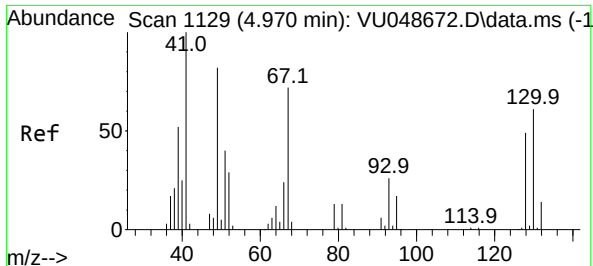
Ion Ratio Lower Upper

117 100

119 6.5 75.4 113.2#

121 0.0 24.6 36.8#

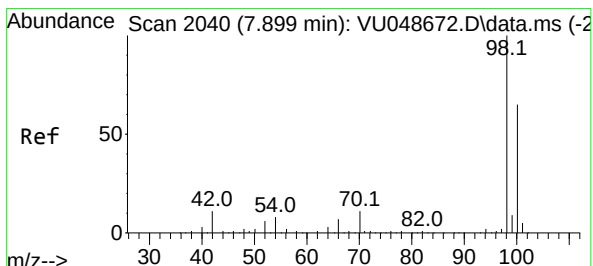
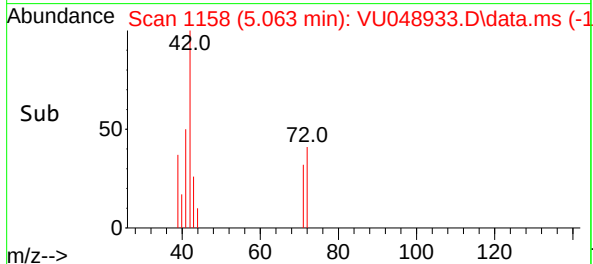
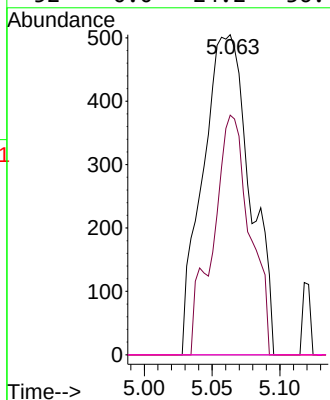
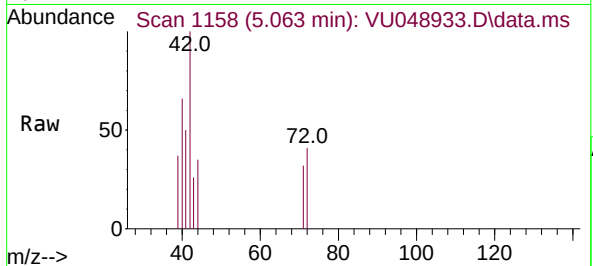




#41
Methacrylonitrile
Concen: 0.445 ug/l
RT: 5.063 min Scan# 1129
Delta R.T. 0.093 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

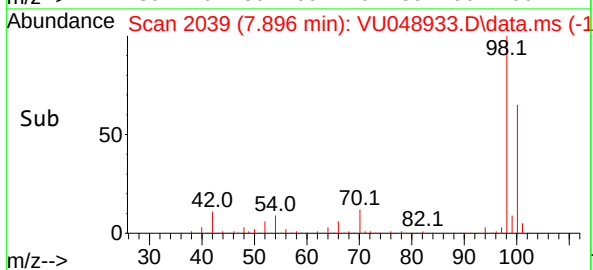
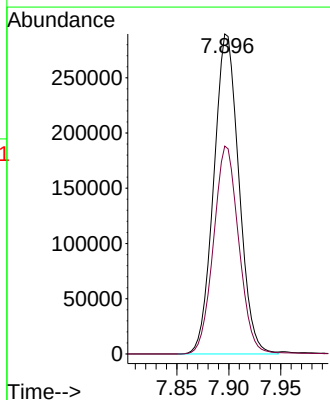
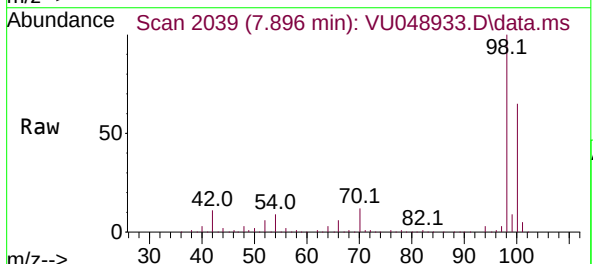
Instrument :
MSVOA_U
ClientSampleId :
37S-20220531RE

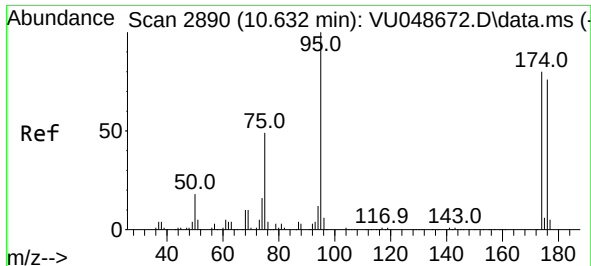
Tgt Ion: 41	Resp: 1230
Ion Ratio	Lower Upper
41 100	
39 58.1	42.6 64.0
67 0.0	61.0 91.4#
52 0.0	24.2 36.4#



#50
Toluene-d8
Concen: 46.009 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

Tgt Ion: 98	Resp: 488523
Ion Ratio	Lower Upper
98 100	
100 65.4	52.2 78.4

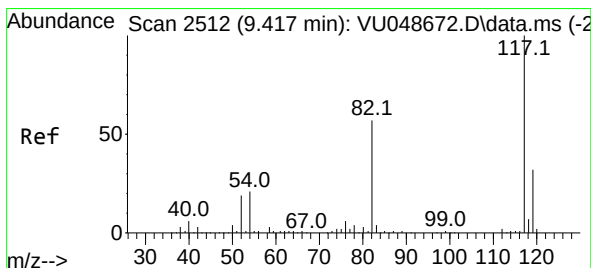
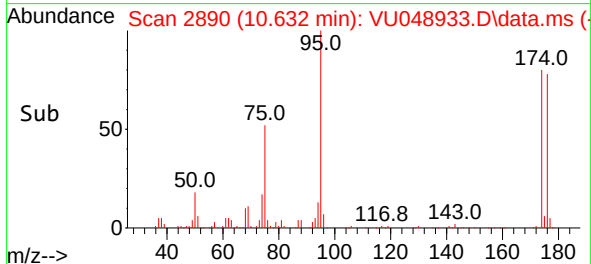
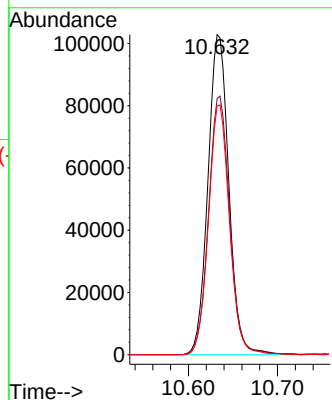
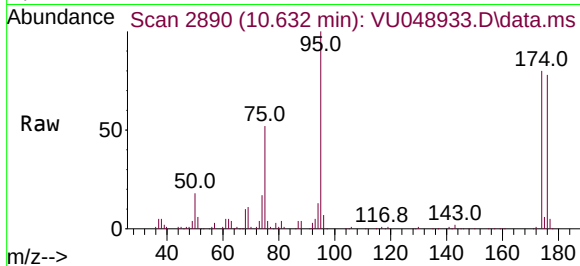




#62
4-Bromofluorobenzene
Concen: 41.657 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

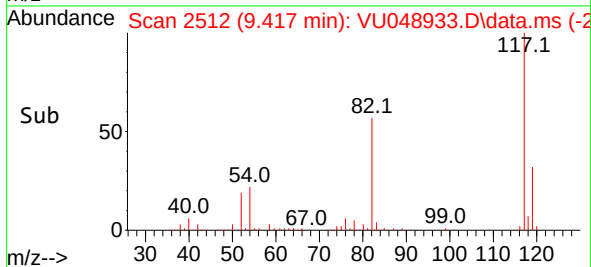
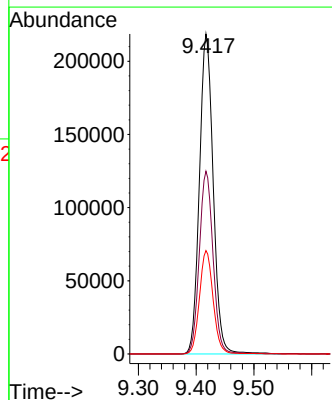
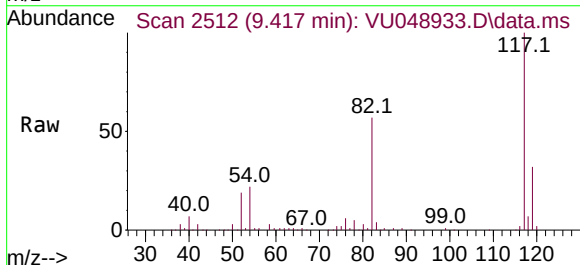
Instrument : MSVOA_U
ClientSampleId : 37S-20220531RE

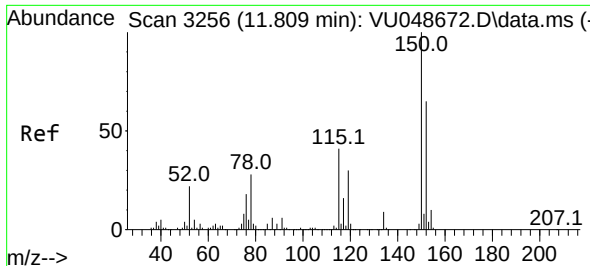
Tgt Ion: 95 Resp: 167279
Ion Ratio Lower Upper
95 100
174 81.9 0.0 159.4
176 78.6 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

Tgt Ion: 117 Resp: 362494
Ion Ratio Lower Upper
117 100
82 57.1 45.3 67.9
119 32.3 25.4 38.2

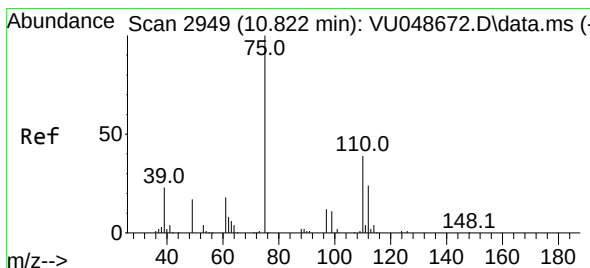
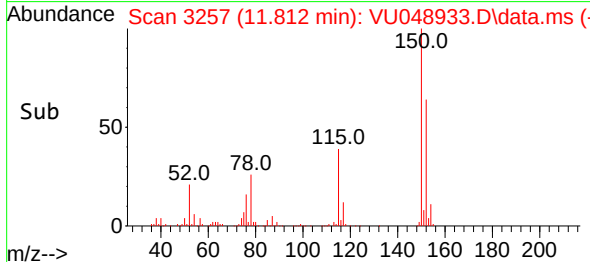
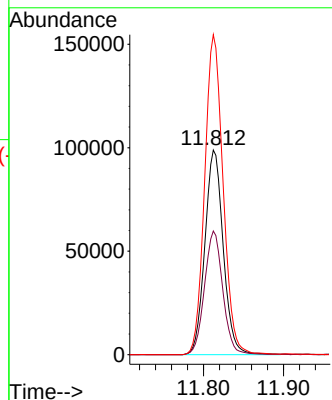
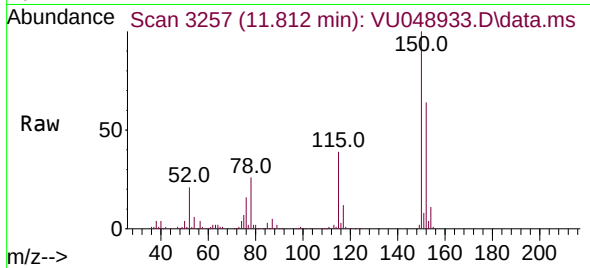




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048933.D
 Acq: 08 Jun 2022 01:03

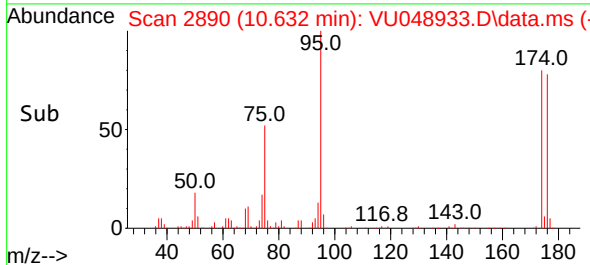
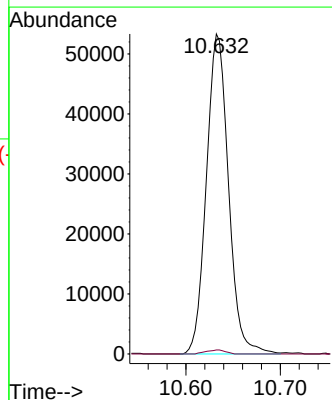
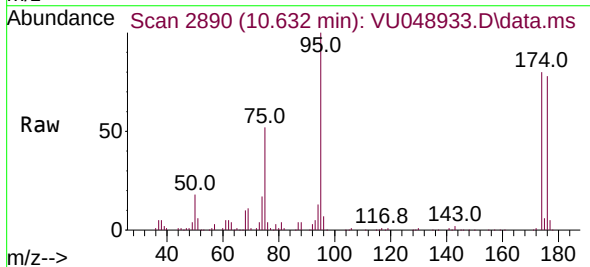
Instrument :
 MSVOA_U
 ClientSampleId :
 37S-20220531RE

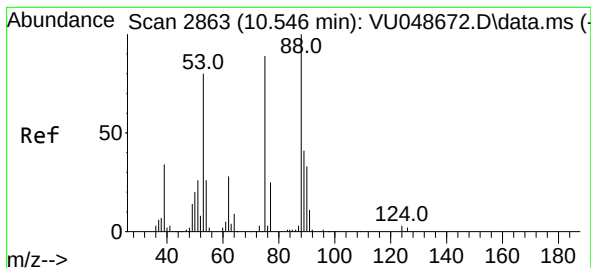
Tgt Ion:152 Resp: 158368
 Ion Ratio Lower Upper
 152 100
 115 60.3 41.8 125.4
 150 156.4 0.0 341.0



#76
 1,2,3-Trichloropropane
 Concen: 16.969 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.190 min
 Lab File: VU048933.D
 Acq: 08 Jun 2022 01:03

Tgt Ion: 75 Resp: 86646
 Ion Ratio Lower Upper
 75 100
 77 1.1 14.8 44.3#

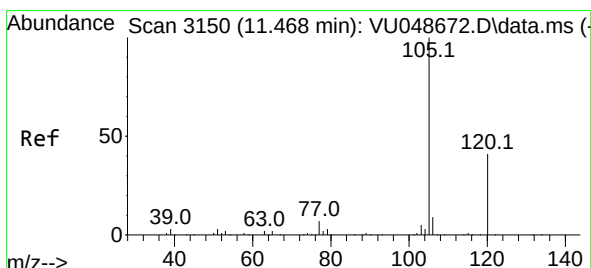
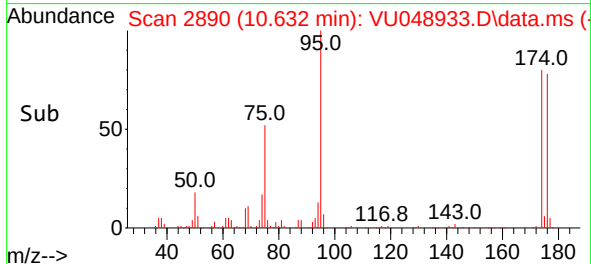
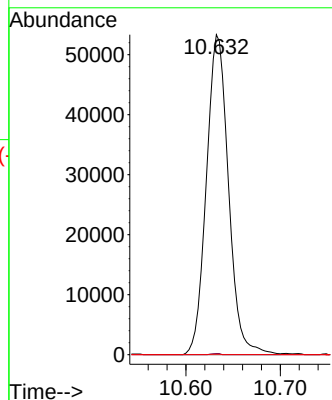
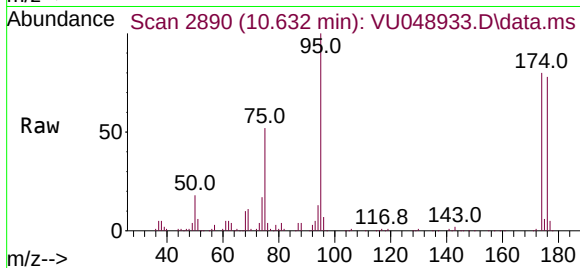




#81
trans-1,4-Dichloro-2-butene
Concen: 61.612 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

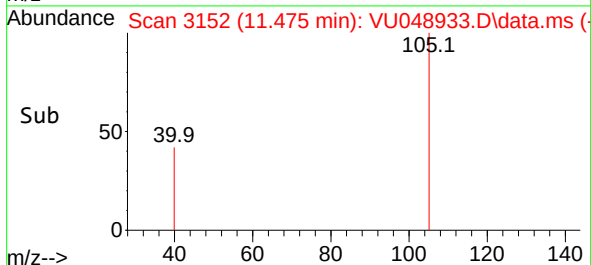
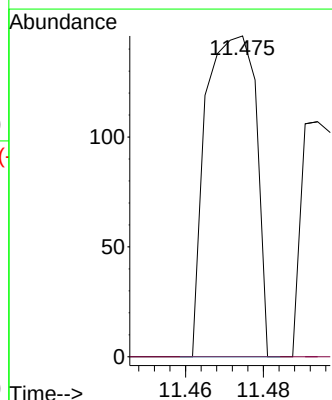
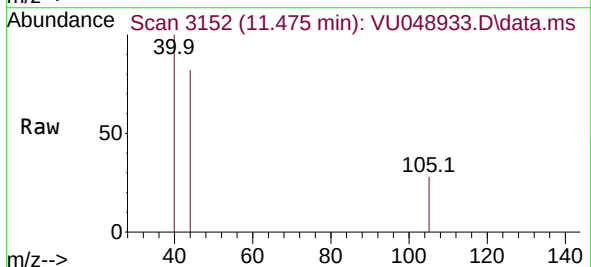
Instrument :
MSVOA_U
ClientSampleId :
37S-20220531RE

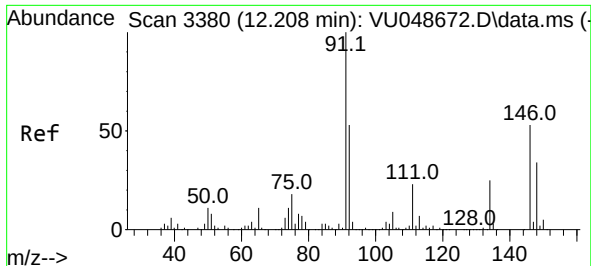
Tgt Ion: 75 Resp: 86646
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.200 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

Tgt Ion: 105 Resp: 130
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#

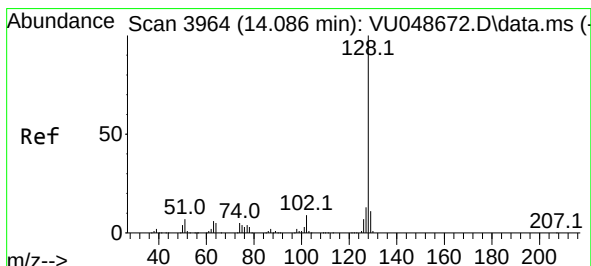
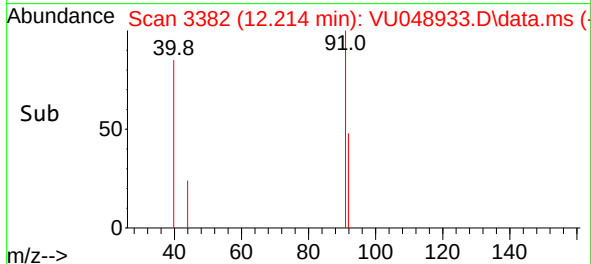
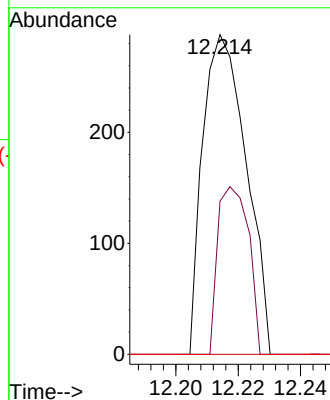
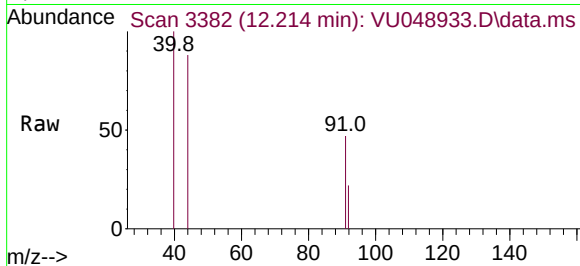




#89
n-Butylbenzene
Concen: 2.214 ug/l
RT: 12.214 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

Instrument :
MSVOA_U
ClientSampleId :
37S-20220531RE

Tgt Ion: 91 Resp: 279
Ion Ratio Lower Upper
91 100
92 37.3 25.9 77.8
134 0.0 12.5 37.5#



#95
Naphthalene
Concen: 2.676 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.019 min
Lab File: VU048933.D
Acq: 08 Jun 2022 01:03

Tgt Ion: 128 Resp: 1883
Ion Ratio Lower Upper
128 100
127 4.7 10.2 15.4#
129 4.2 8.7 13.1#

