

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060822\
 Data File : VU048964.D
 Acq On : 08 Jun 2022 15:54
 Operator : SY/MD
 Sample : N3166-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP08-20220601

Quant Time: Jun 09 09:56:08 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)

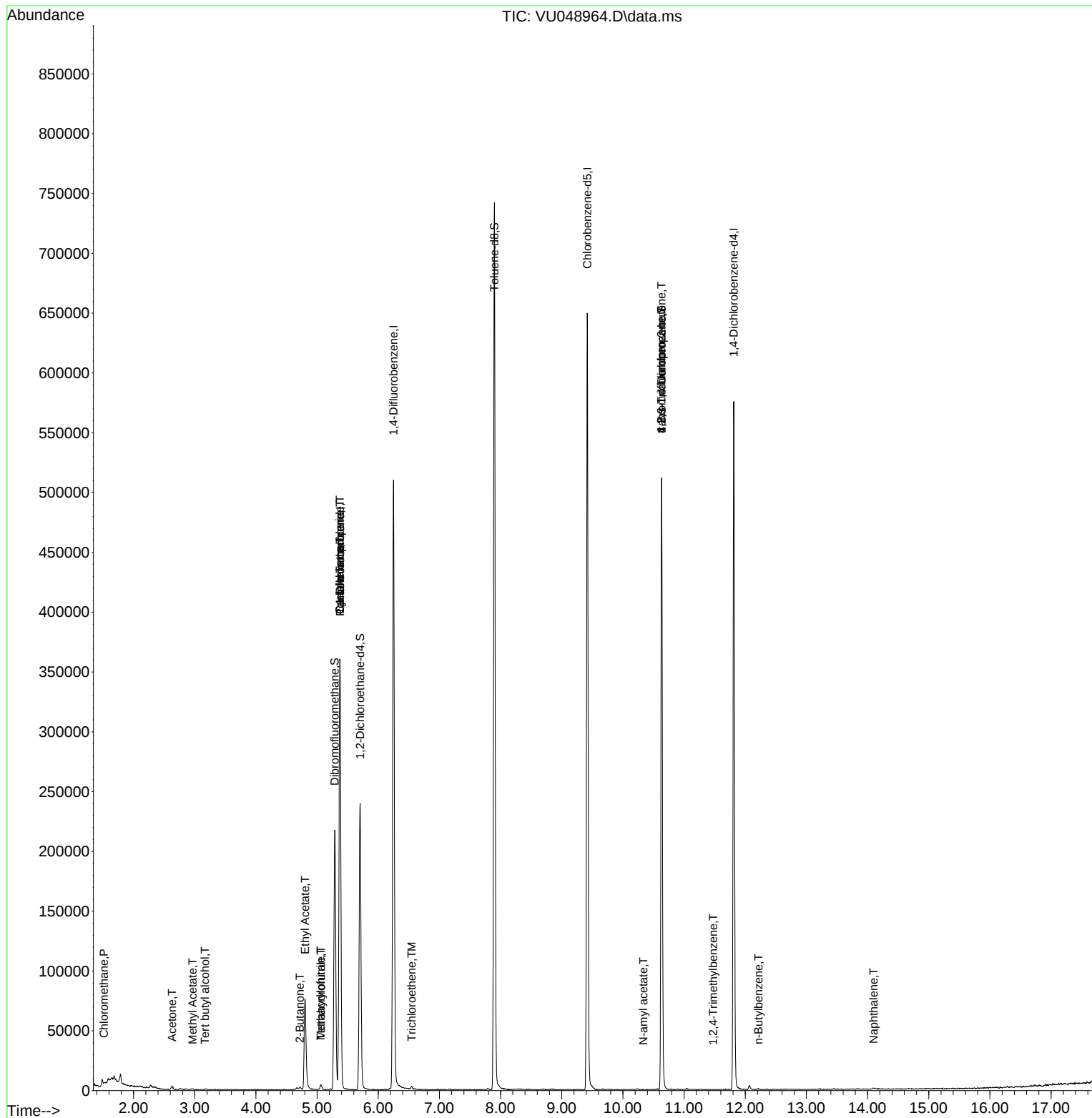
Internal Standards						
1) Pentafluorobenzene	5.375	168	245514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	407881	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	355401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	154192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	187128	50.751	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.500%
35) Dibromofluoromethane	5.288	113	139757	48.028	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.060%
50) Toluene-d8	7.899	98	490261	47.000	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.000%
62) 4-Bromofluorobenzene	10.632	95	170502	43.221	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	767	0.212	ug/l #	87
5) Bromomethane	1.838	94	78	Below Cal	#	3
6) Chloroethane	1.951	64	182	Below Cal	#	43
11) Tert butyl alcohol	3.166	59	284	0.304	ug/l #	49
13) Acrolein	2.494	56	116	Below Cal	#	35
16) Acetone	2.629	43	3594	1.913	ug/l	95
18) Methyl Acetate	2.964	43	1184	0.251	ug/l #	68
25) 2-Butanone	4.719	43	3405	1.261	ug/l	97
29) Tetrahydrofuran	5.063	42	2809	1.652	ug/l #	67
31) Cyclohexane	5.372	56	4947	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21403	5.040	ug/l #	49
37) Ethyl Acetate	4.803	43	102239	19.043	ug/l	99
38) Carbon Tetrachloride	5.372	117	26369	5.412	ug/l #	16
41) Methacrylonitrile	5.063	41	1541	0.568	ug/l #	40
44) Trichloroethene	6.546	130	699	0.216	ug/l	85
74) N-amyl acetate	10.333	43	46	2.476	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	88171	17.735	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	88171	64.394	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.478	105	46	1.192	ug/l #	31
89) n-Butylbenzene	12.214	91	328	2.220	ug/l #	46
95) Naphthalene	14.098	128	1844	2.677	ug/l #	69

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

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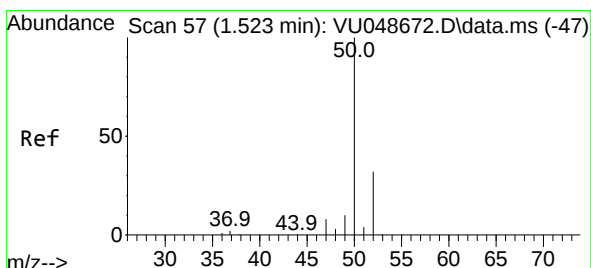
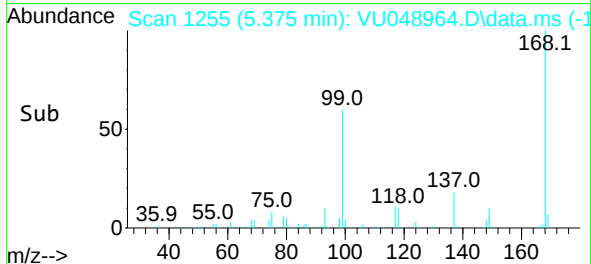
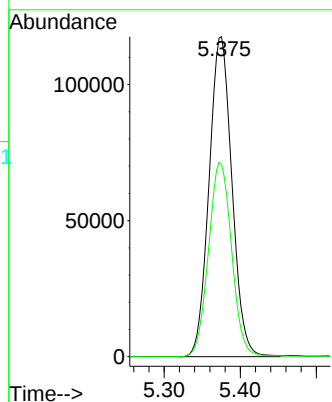
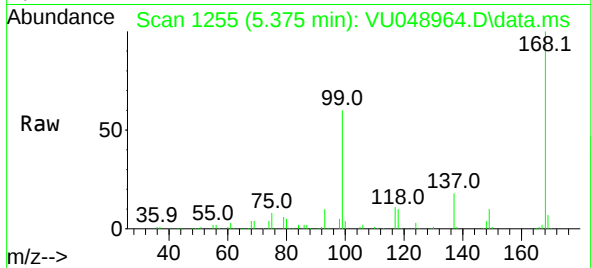




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

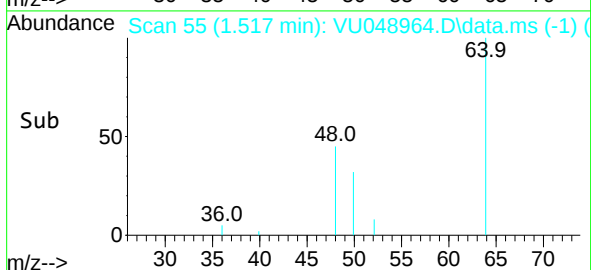
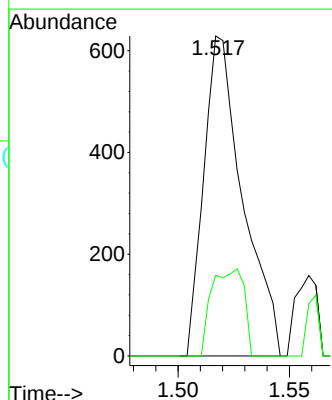
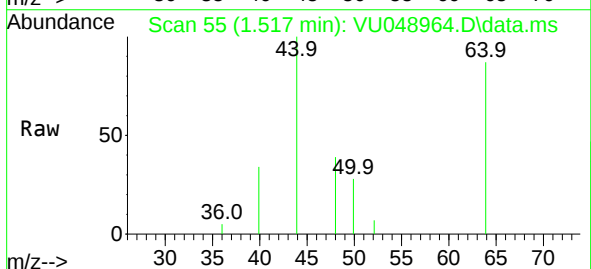
Instrument :
MSVOA_U
ClientSampleId :
DUP08-20220601

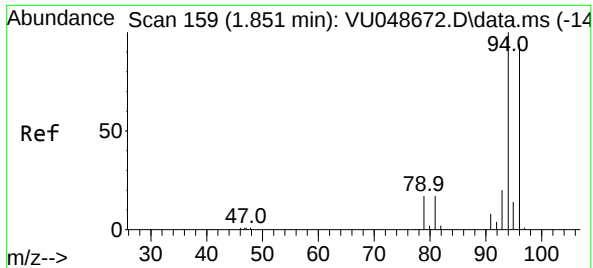
Tgt Ion:168 Resp: 245514
Ion Ratio Lower Upper
168 100
99 60.2 49.3 73.9



#3
Chloromethane
Concen: 0.212 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Tgt Ion: 50 Resp: 767
Ion Ratio Lower Upper
50 100
52 25.1 25.7 38.5#

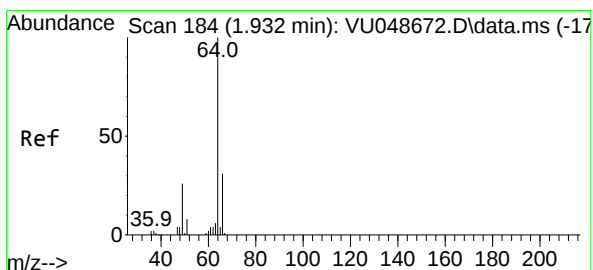
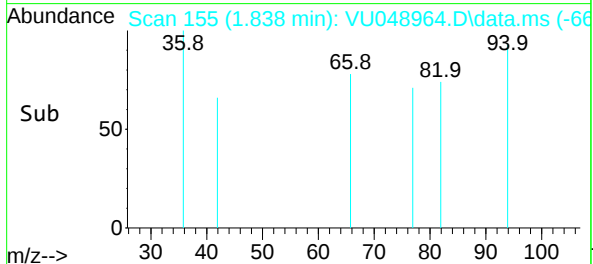
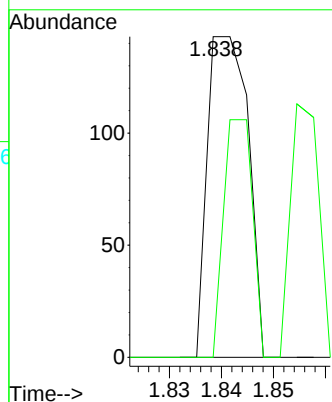
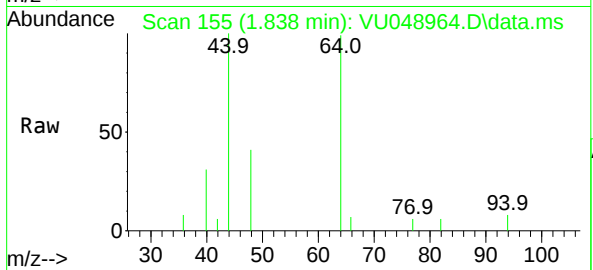




#5
Bromomethane
Concen: Below Cal
RT: 1.838 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

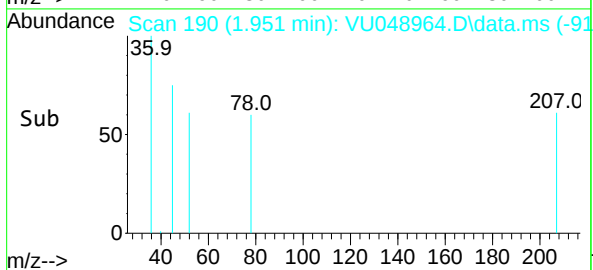
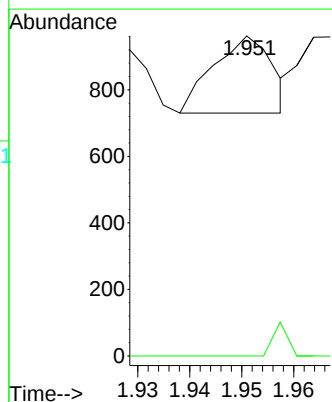
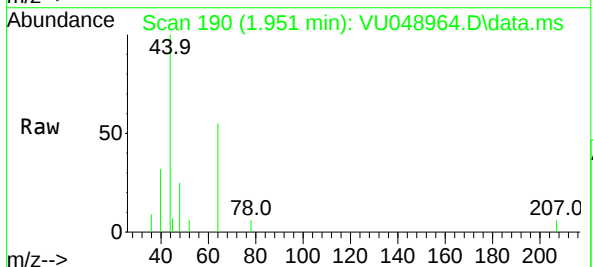
Instrument :
MSVOA_U
ClientSampleId :
DUP08-20220601

Tgt Ion: 94 Resp: 78
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.951 min Scan# 190
Delta R.T. 0.019 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Tgt Ion: 64 Resp: 182
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

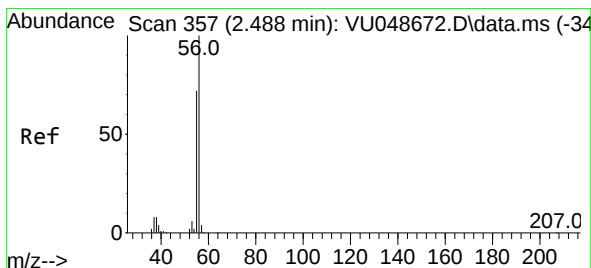
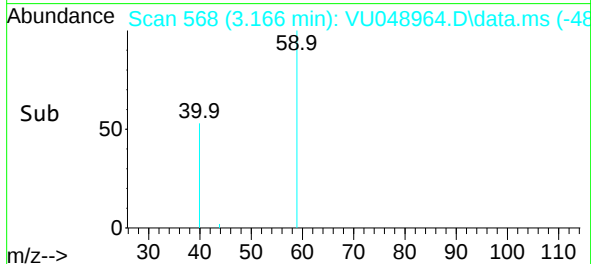
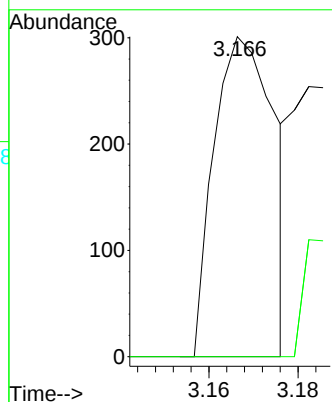
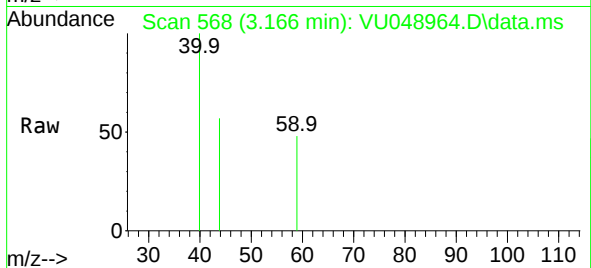




#11
Tert butyl alcohol
Concen: 0.304 ug/l
RT: 3.166 min Scan# 50
Delta R.T. -0.023 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

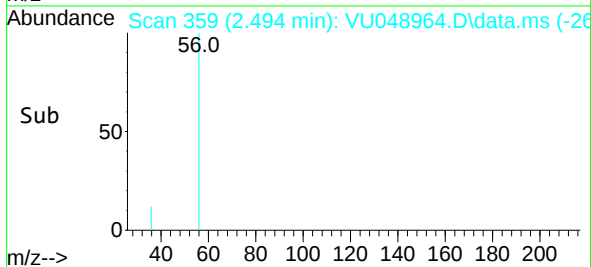
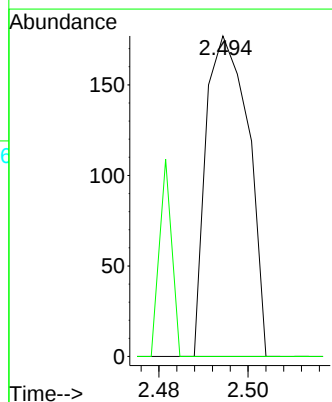
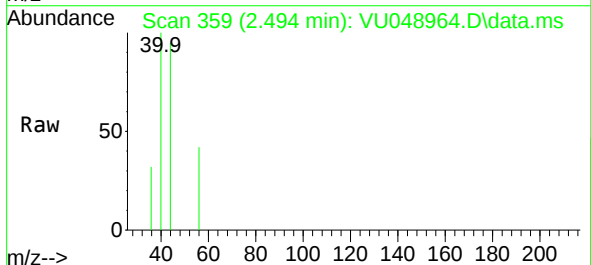
Instrument :
MSVOA_U
ClientSampleId :
DUP08-20220601

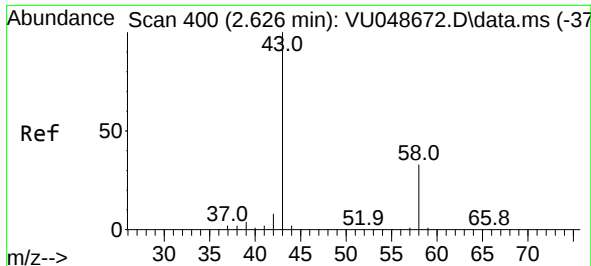
Tgt Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 14.8 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.494 min Scan# 359
Delta R.T. 0.006 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 18.1 57.7 86.5#

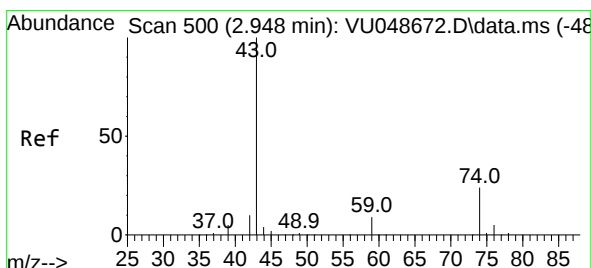
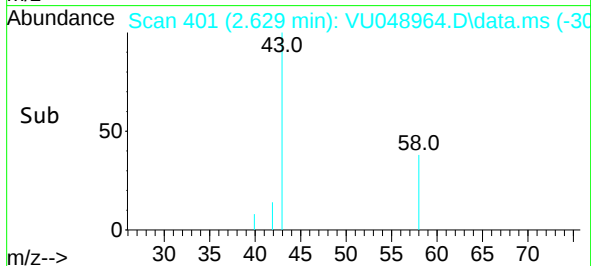
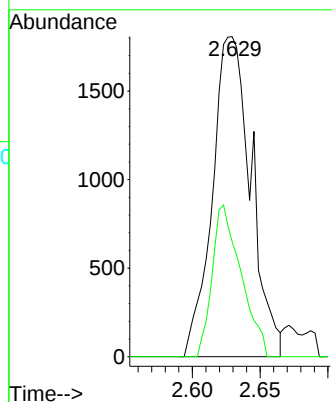
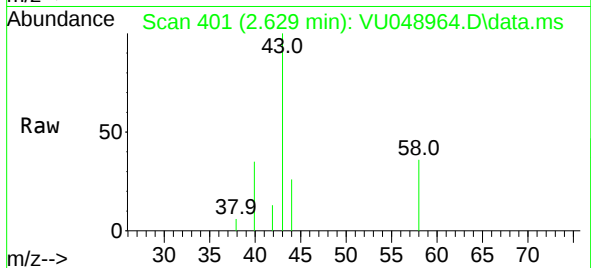




#16
Acetone
Concen: 1.913 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

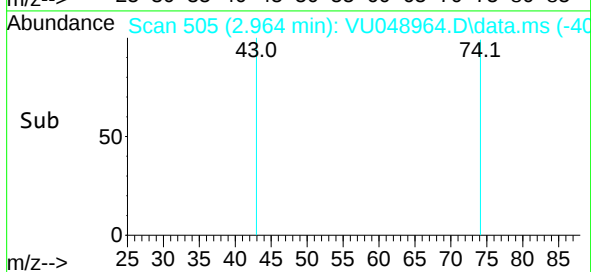
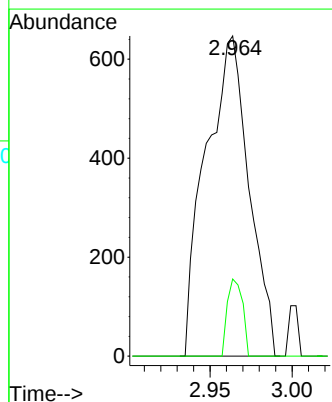
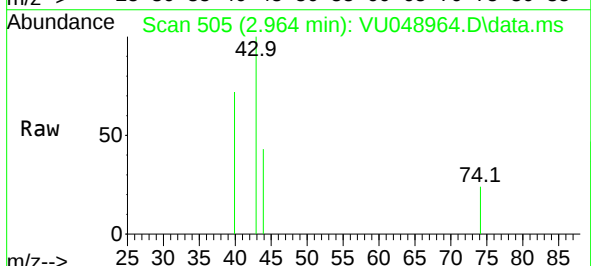
Instrument :
MSVOA_U
ClientSampleId :
DUP08-20220601

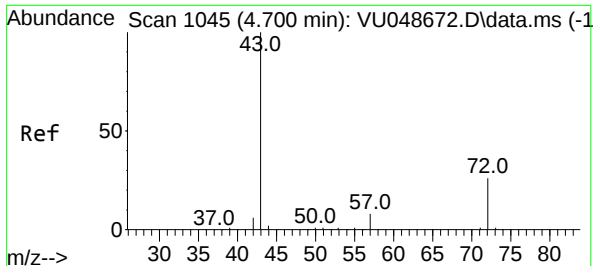
Tgt Ion: 43 Resp: 3594
Ion Ratio Lower Upper
43 100
58 35.9 26.3 39.5



#18
Methyl Acetate
Concen: 0.251 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.016 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
74 8.4 19.2 28.8#

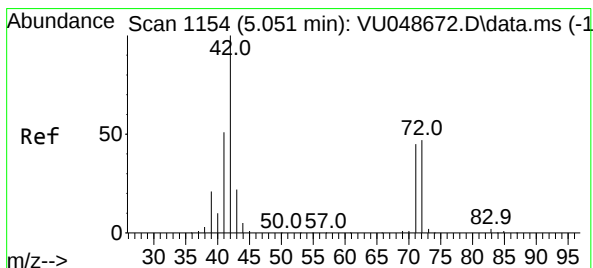
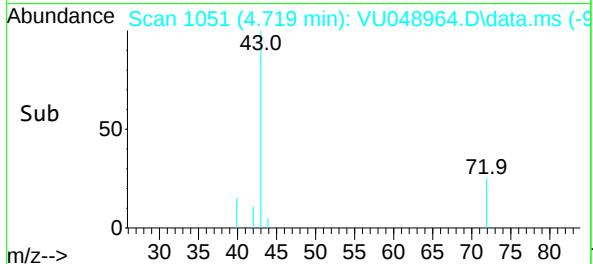
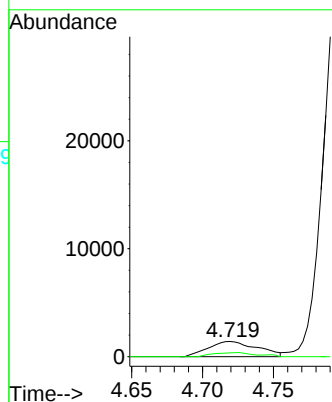
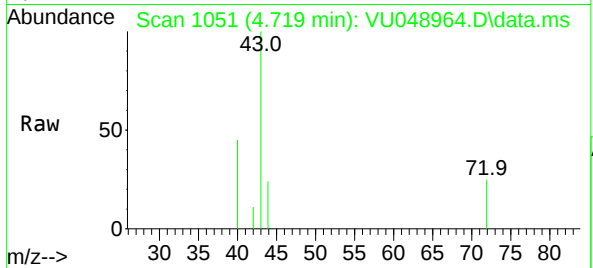




#25
2-Butanone
Concen: 1.261 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

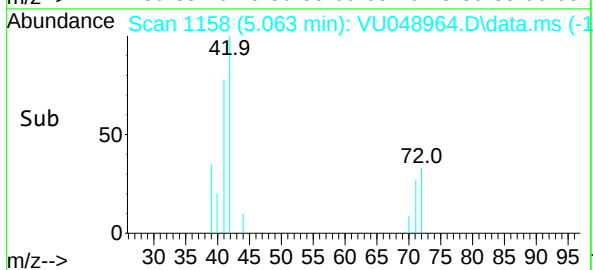
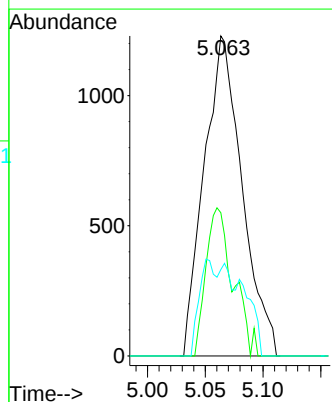
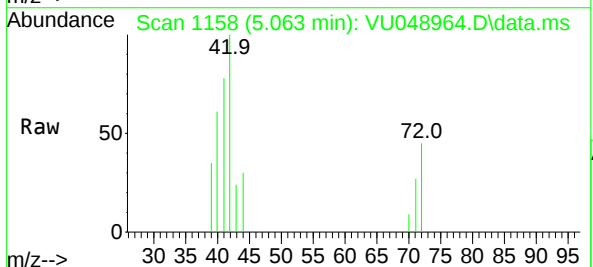
Instrument :
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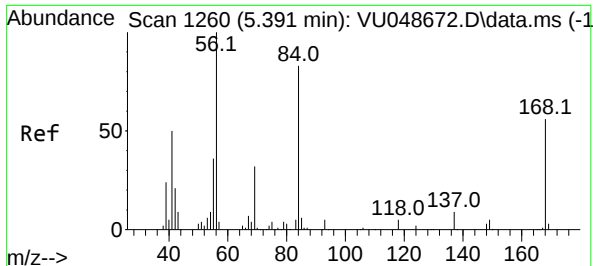
Tgt Ion: 43 Resp: 3405
Ion Ratio Lower Upper
43 100
72 24.9 21.1 31.7



#29
Tetrahydrofuran
Concen: 1.652 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.013 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

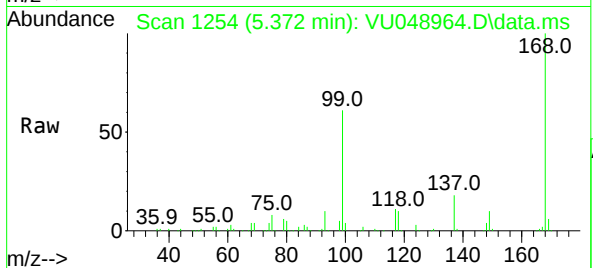
Tgt Ion: 42 Resp: 2809
Ion Ratio Lower Upper
42 100
72 33.1 37.6 56.4#
71 13.7 35.0 52.4#



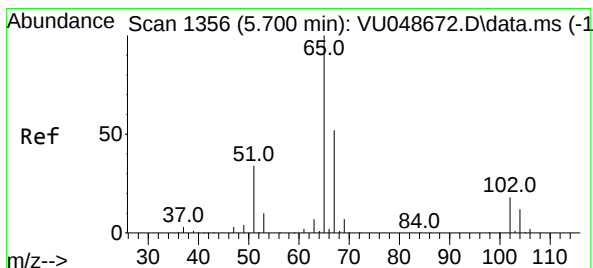
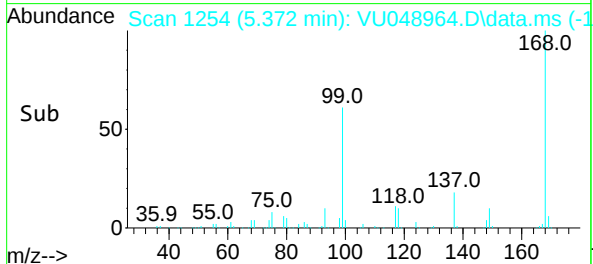
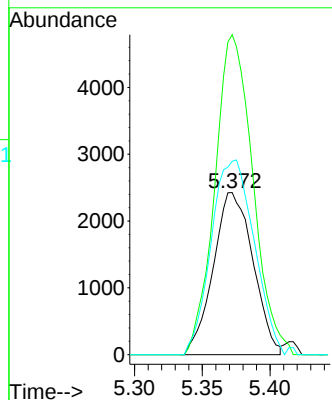


#31
Cyclohexane
Concen: 1.065 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Instrument :
MSVOA_U
ClientSampleId :
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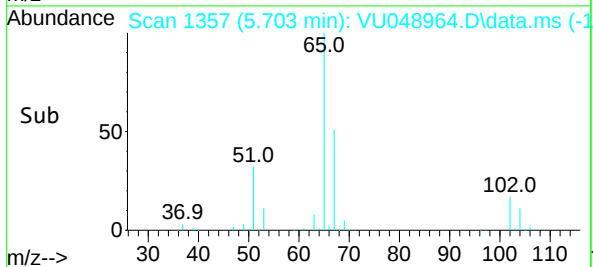
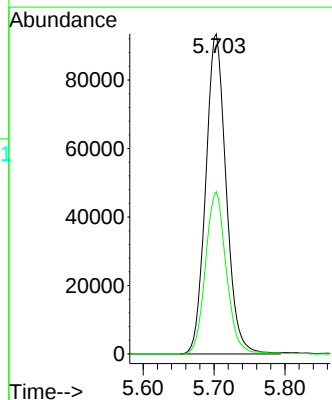
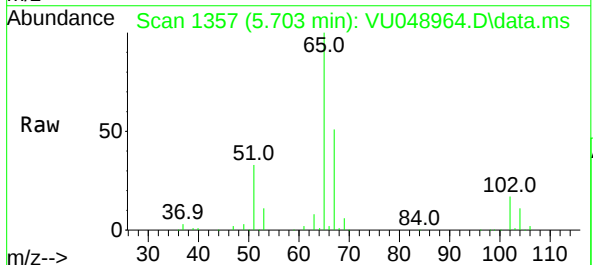


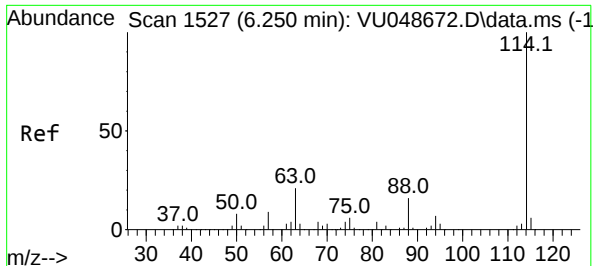
Tgt Ion: 56 Resp: 4947
Ion Ratio Lower Upper
56 100
69 197.5 25.6 38.4#
84 119.4 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 50.751 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Tgt Ion: 65 Resp: 187128
Ion Ratio Lower Upper
65 100
67 51.5 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: VU048964.D

Acq: 08 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

DUP08-20220601

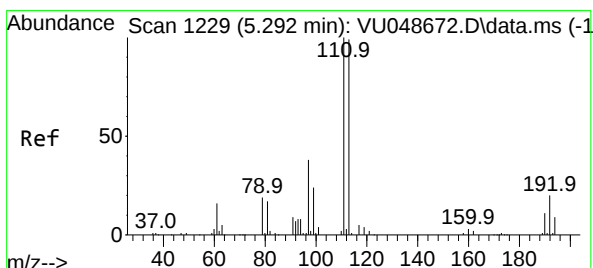
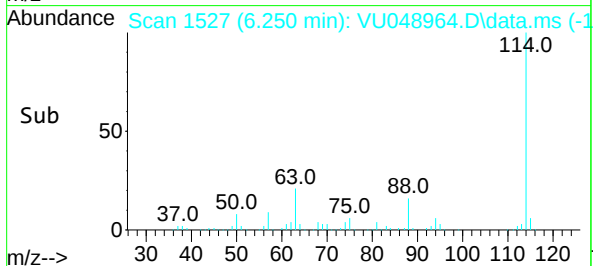
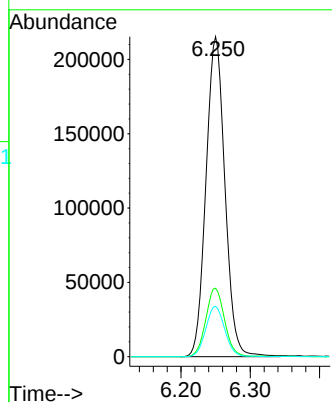
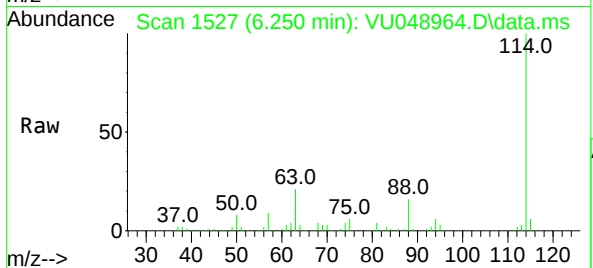
Tgt Ion:114 Resp: 407881

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 15.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.028 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048964.D

Acq: 08 Jun 2022 15:54

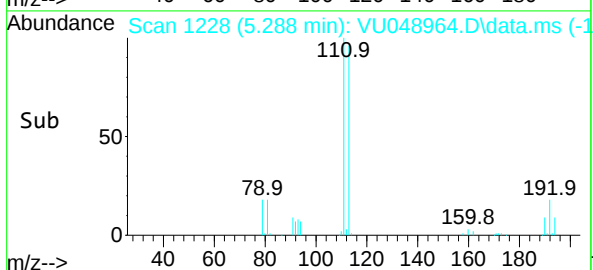
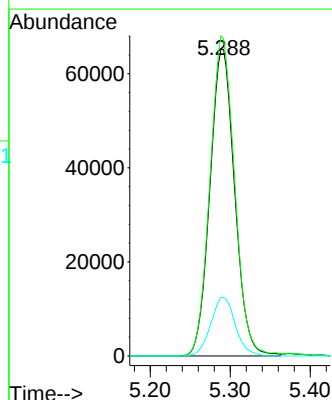
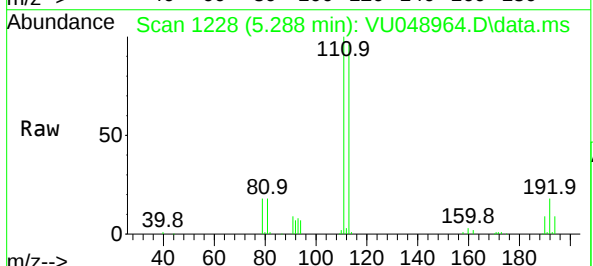
Tgt Ion:113 Resp: 139757

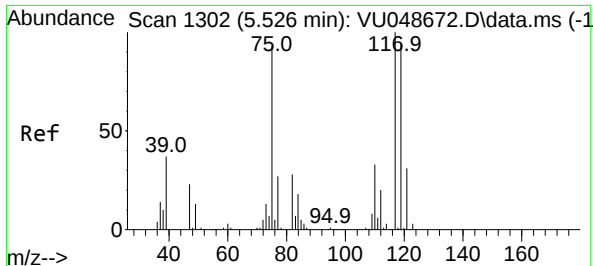
Ion Ratio Lower Upper

113 100

111 103.8 80.7 121.1

192 19.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048964.D

Acq: 08 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

DUP08-20220601

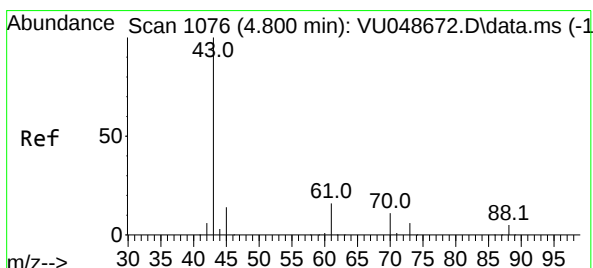
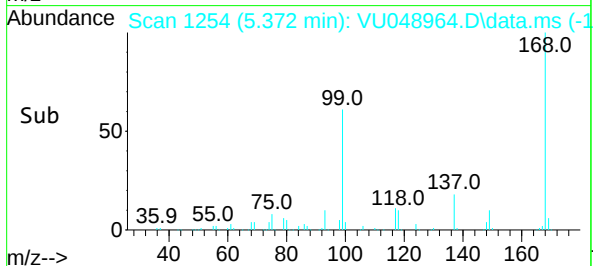
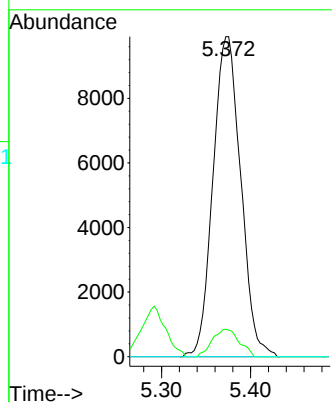
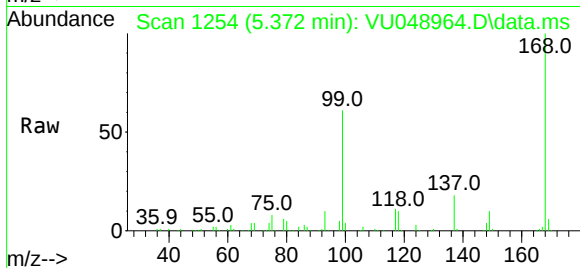
Tgt Ion: 75 Resp: 21403

Ion Ratio Lower Upper

75 100

110 8.3 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 19.043 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VU048964.D

Acq: 08 Jun 2022 15:54

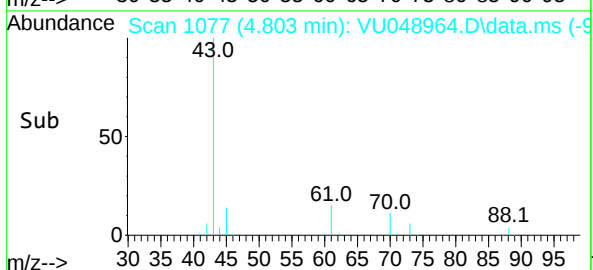
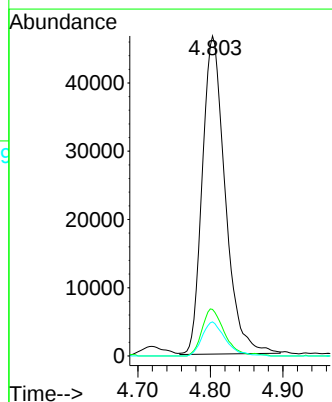
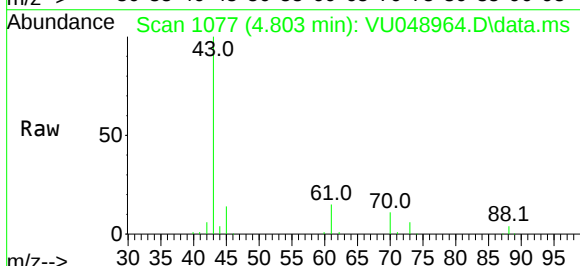
Tgt Ion: 43 Resp: 102239

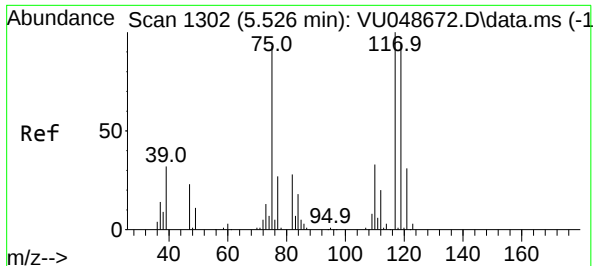
Ion Ratio Lower Upper

43 100

61 14.2 11.7 17.5

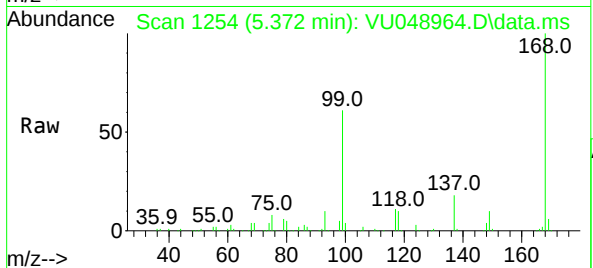
70 10.8 8.4 12.6



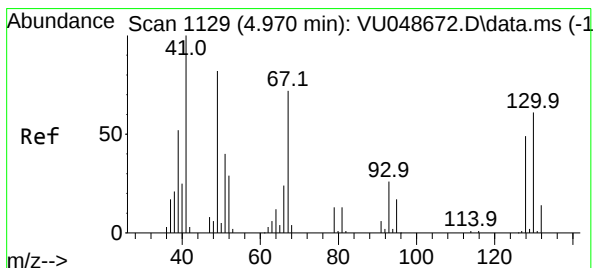
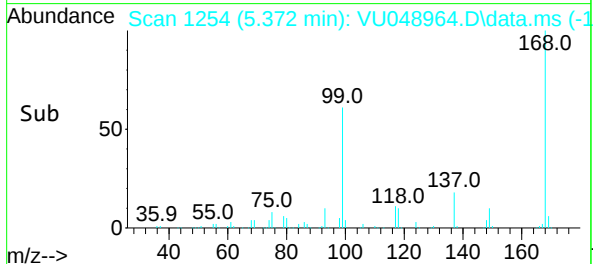
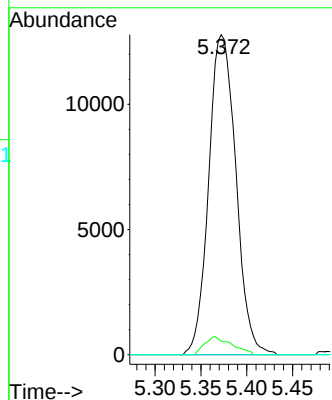


#38
Carbon Tetrachloride
Concen: 5.412 ug/l
RT: 5.372 min Scan# 1158
Delta R.T. -0.154 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Instrument :
MSVOA_U
ClientSampleId :
DUP08-20220601

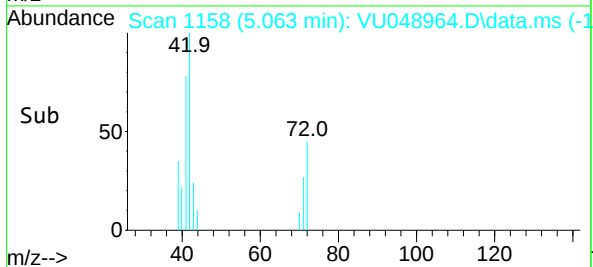
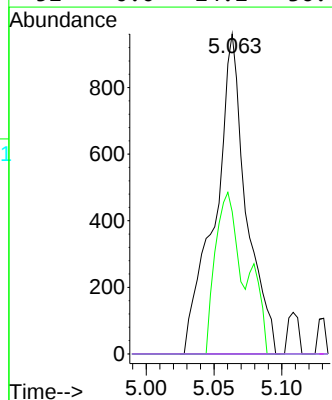
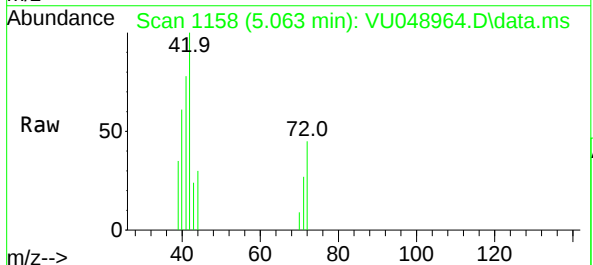


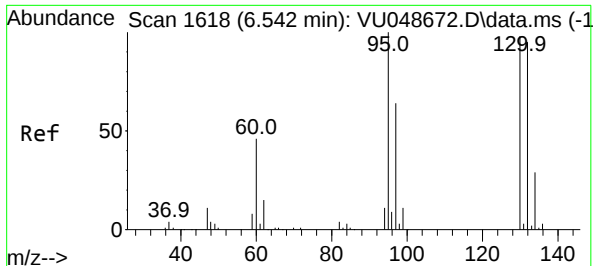
Tgt Ion:117 Resp: 26369
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.568 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.093 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Tgt Ion: 41 Resp: 1541
Ion Ratio Lower Upper
41 100
39 37.2 42.6 64.0#
67 0.0 61.0 91.4#
52 0.0 24.2 36.4#

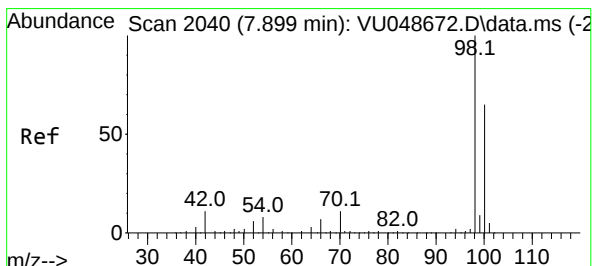
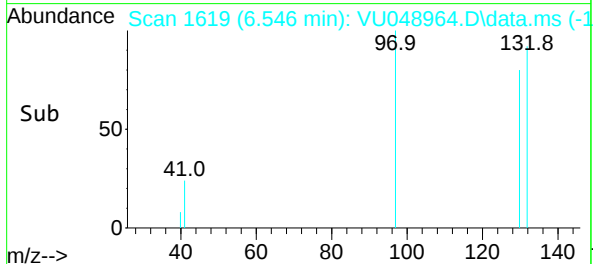
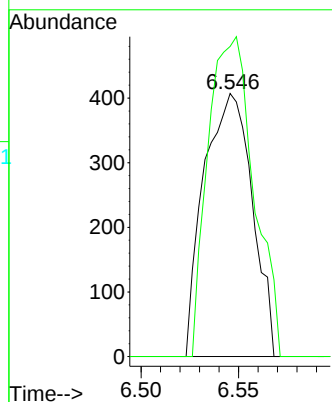
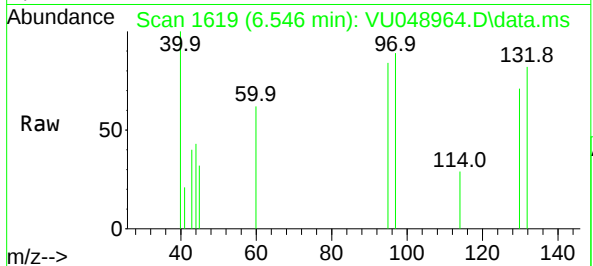




#44
Trichloroethene
Concen: 0.216 ug/l
RT: 6.546 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

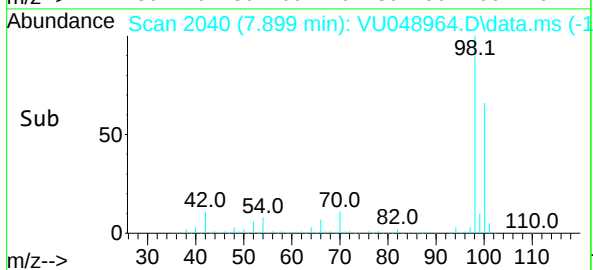
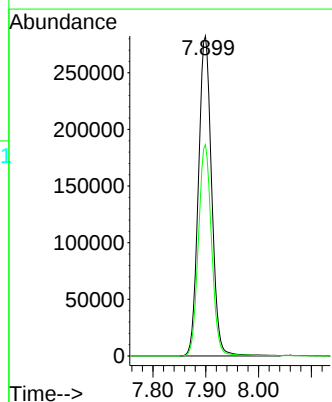
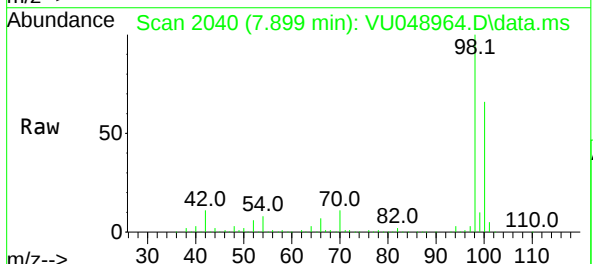
Instrument :
MSVOA_U
ClientSampleId :
DUP08-20220601

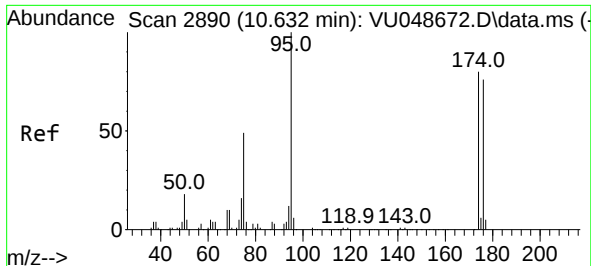
Tgt Ion:130 Resp: 699
Ion Ratio Lower Upper
130 100
95 117.9 0.0 204.8



#50
Toluene-d8
Concen: 47.000 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Tgt Ion: 98 Resp: 490261
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 43.221 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VU048964.D

Acq: 08 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

DUP08-20220601

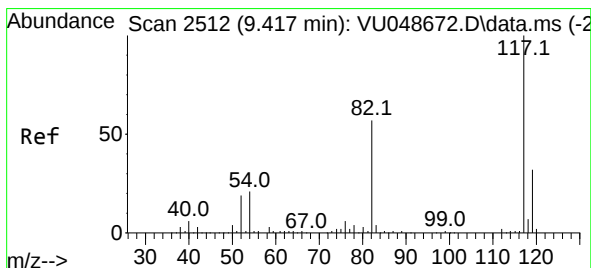
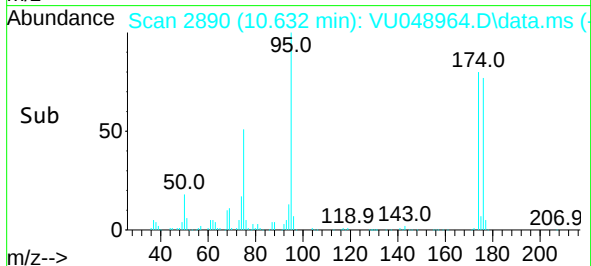
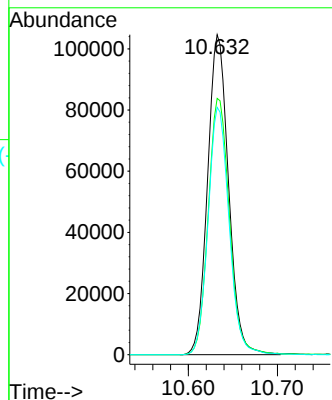
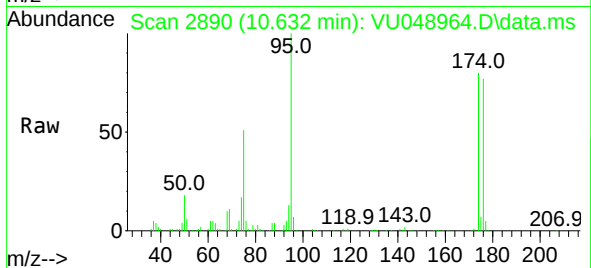
Tgt Ion: 95 Resp: 170502

Ion Ratio Lower Upper

95 100

174 81.3 0.0 159.4

176 77.6 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: VU048964.D

Acq: 08 Jun 2022 15:54

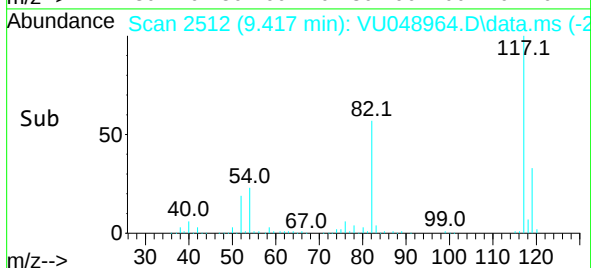
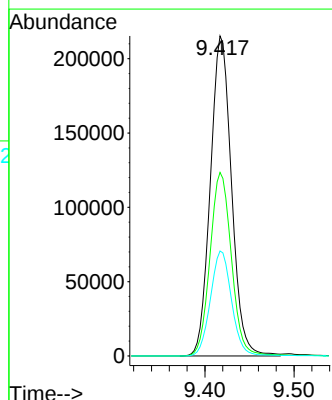
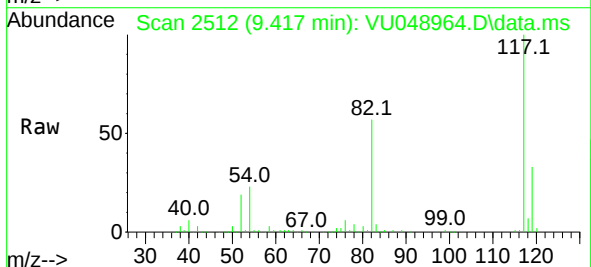
Tgt Ion: 117 Resp: 355401

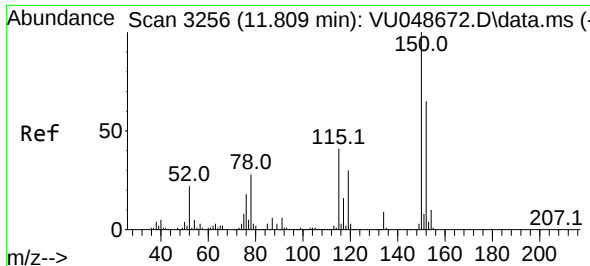
Ion Ratio Lower Upper

117 100

82 57.4 45.3 67.9

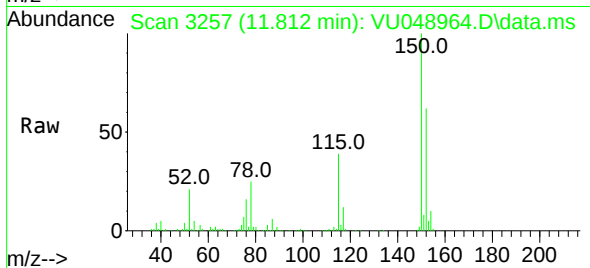
119 32.8 25.4 38.2



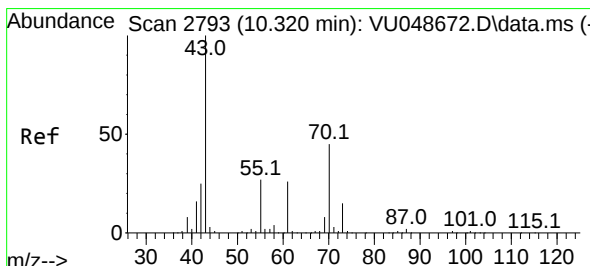
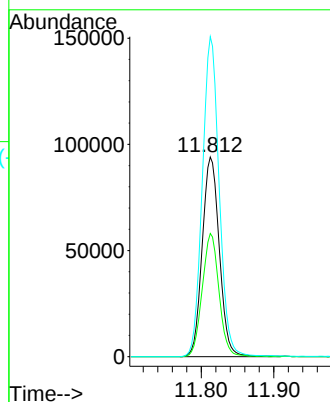
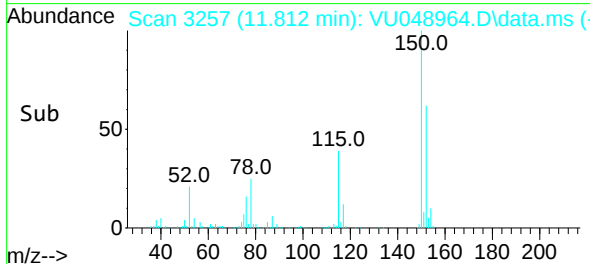


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

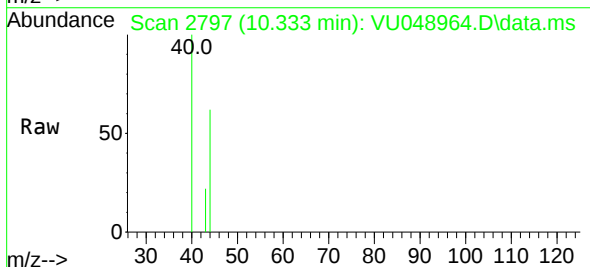
Instrument :
MSVOA_U
ClientSampleId :
DUP08-20220601



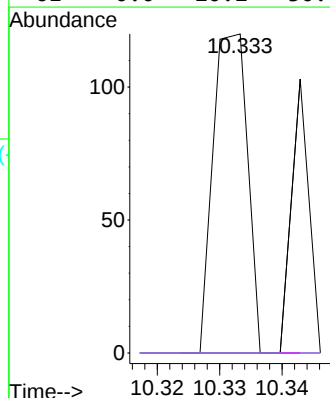
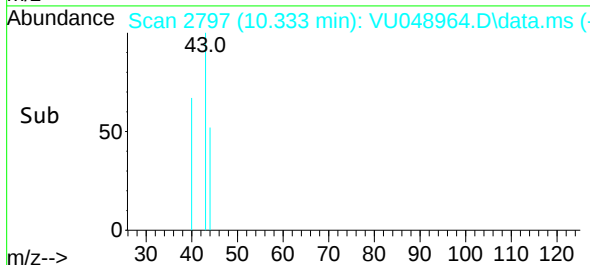
Tgt Ion:152 Resp: 154192
Ion Ratio Lower Upper
152 100
115 60.4 41.8 125.4
150 157.6 0.0 341.0

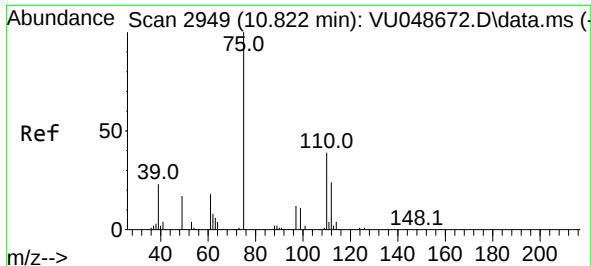


#74
N-ethyl acetate
Concen: 2.476 ug/l
RT: 10.333 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54



Tgt Ion: 43 Resp: 46
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#

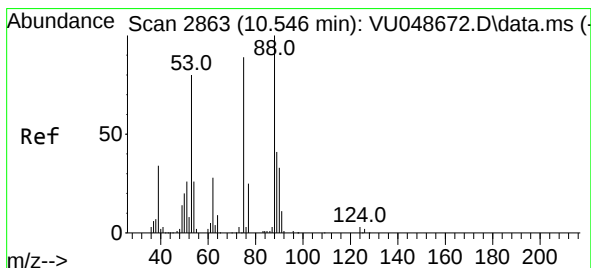
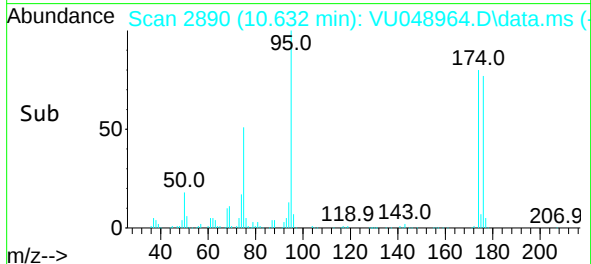
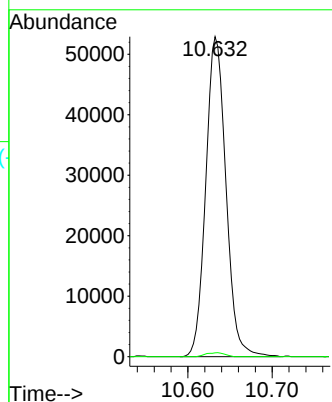
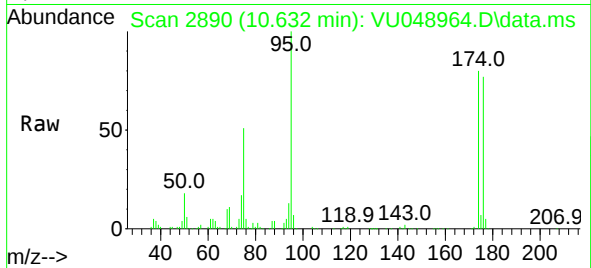




#76
1,2,3-Trichloropropane
Concen: 17.735 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

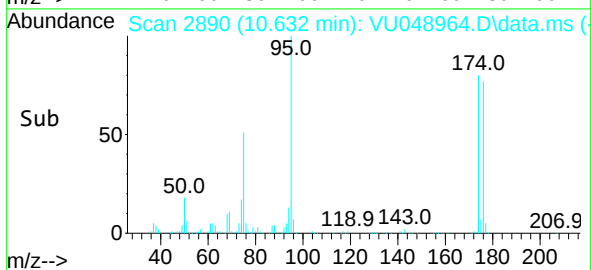
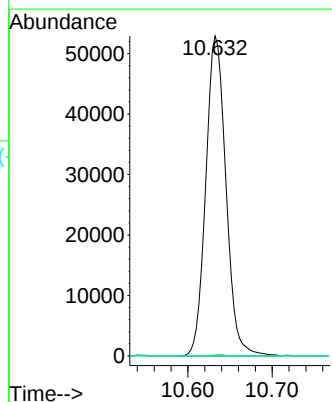
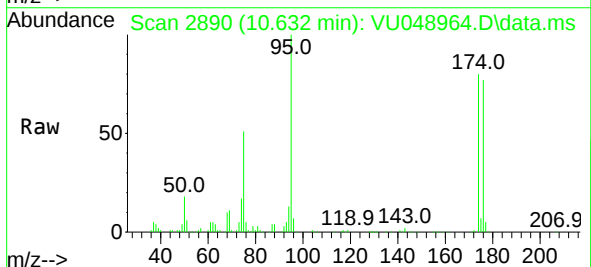
Instrument :
MSVOA_U
ClientSampleId :
DUP08-20220601

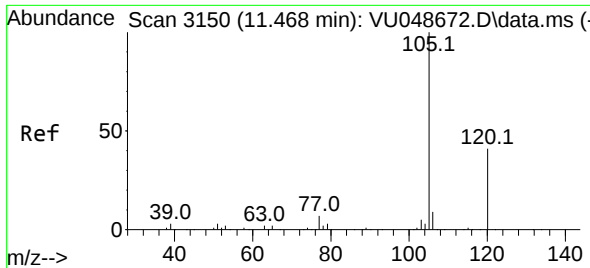
Tgt Ion: 75 Resp: 88171
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.394 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Tgt Ion: 75 Resp: 88171
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#

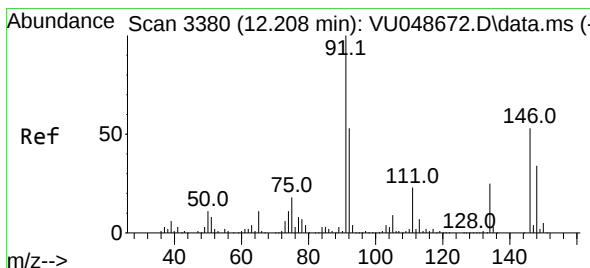
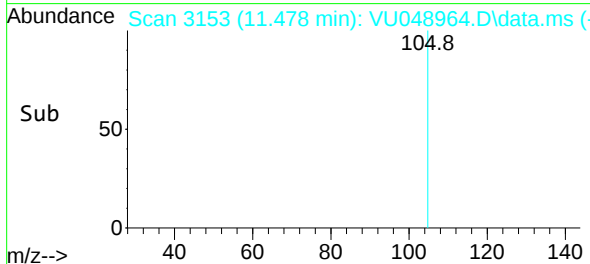
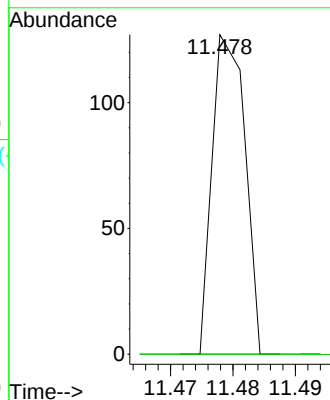
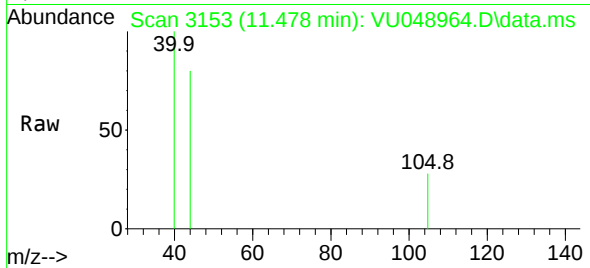




#84
1,2,4-Trimethylbenzene
Concen: 1.192 ug/l
RT: 11.478 min Scan# 3150
Delta R.T. 0.010 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

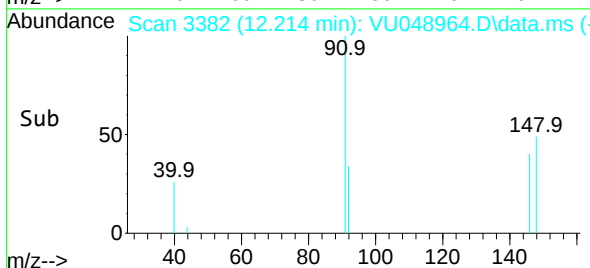
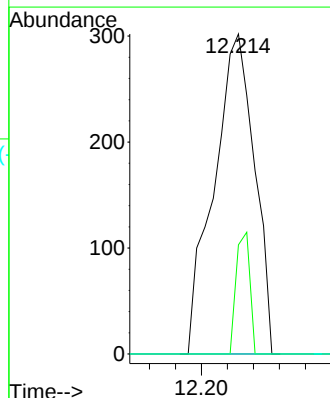
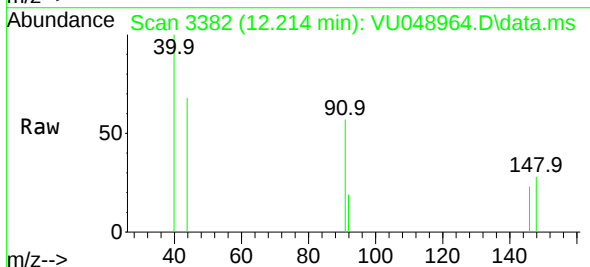
Instrument :
MSVOA_U
ClientSampleId :
DUP08-20220601

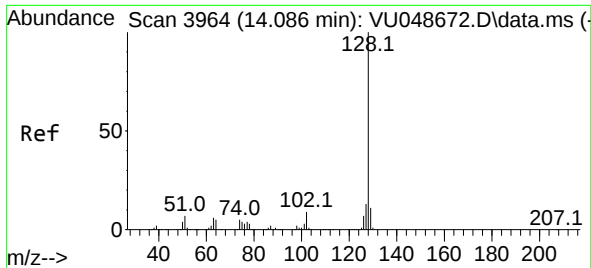
Tgt Ion:105 Resp: 46
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.220 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.006 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

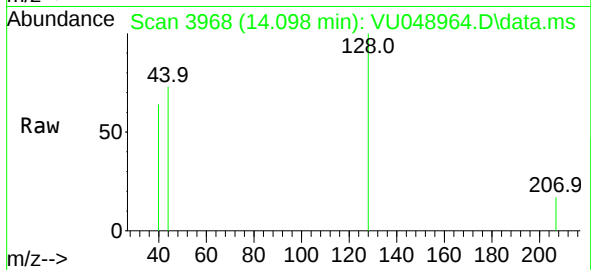
Tgt Ion: 91 Resp: 328
Ion Ratio Lower Upper
91 100
92 12.8 25.9 77.8#
134 0.0 12.5 37.5#





#95
Naphthalene
Concen: 2.677 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.012 min
Lab File: VU048964.D
Acq: 08 Jun 2022 15:54

Instrument :
MSVOA_U
ClientSampleId :
DUP08-20220601



Tgt Ion:128 Resp: 1844
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

