

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048689.D
 Acq On : 27 May 2022 13:30
 Operator : SY/MD
 Sample : N3064-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-X

Quant Time: May 28 00:17:59 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)

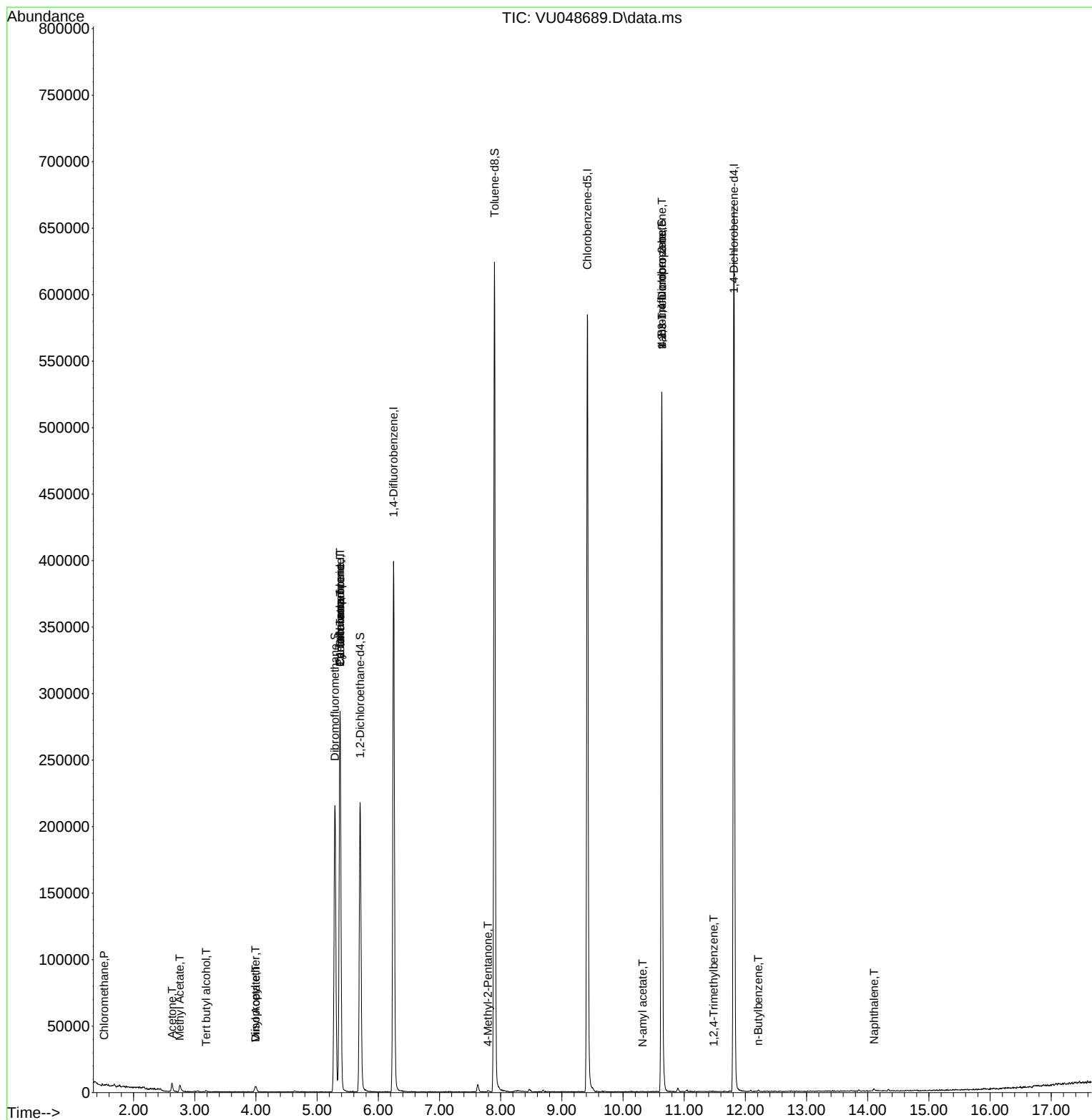
Internal Standards						
1) Pentafluorobenzene	5.375	168	195824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	320211	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	330956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	182205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	164793	56.035	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.060%	
35) Dibromofluoromethane	5.292	113	140740	61.608	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 123.220%	
50) Toluene-d8	7.899	98	418957	51.161	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	10.632	95	178546	57.651	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	589	0.204	ug/l #	43
5) Bromomethane	1.858	94	102	Below Cal	#	75
6) Chloroethane	1.932	64	389	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	674	0.904	ug/l #	28
16) Acetone	2.629	43	7464	4.980	ug/l	98
18) Methyl Acetate	2.755	43	1465	0.389	ug/l #	51
22) Diisopropyl ether	3.993	45	2411	0.339	ug/l #	81
23) Vinyl Acetate	3.996	43	2389	0.387	ug/l #	72
31) Cyclohexane	5.375	56	4061	1.096	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	15541	4.661	ug/l #	51
38) Carbon Tetrachloride	5.375	117	19707	5.152	ug/l #	18
51) 4-Methyl-2-Pentanone	7.793	43	797	0.201	ug/l #	71
74) N-amyl acetate	10.320	43	105	2.484	ug/l #	41
76) 1,2,3-Trichloropropane	10.635	75	93598	15.932	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.635	75	93598	57.848	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.481	105	186	1.203	ug/l	76
89) n-Butylbenzene	12.211	91	409	2.222	ug/l #	55
95) Naphthalene	14.105	128	2585	2.704	ug/l #	89

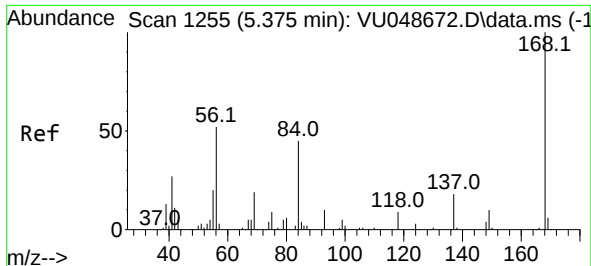
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

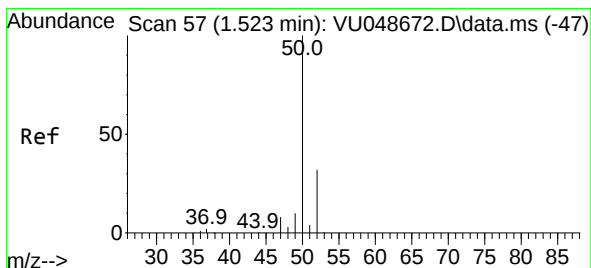
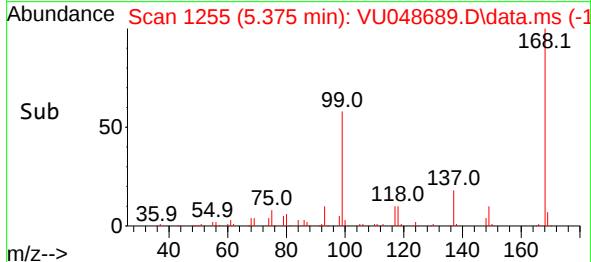
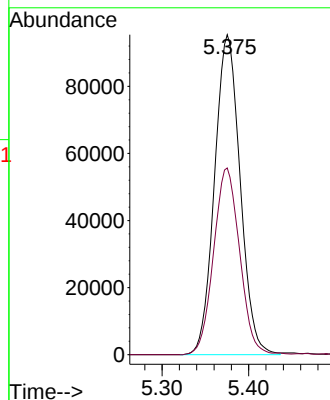
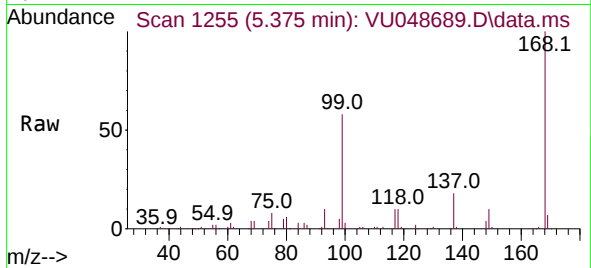




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

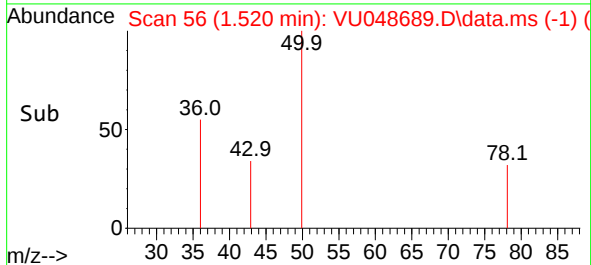
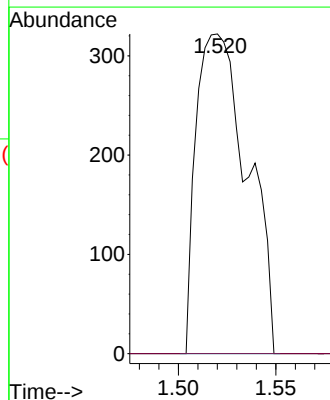
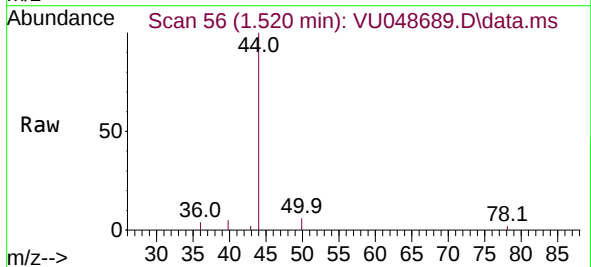
Instrument :
MSVOA_U
ClientSampleId :
DUP-X

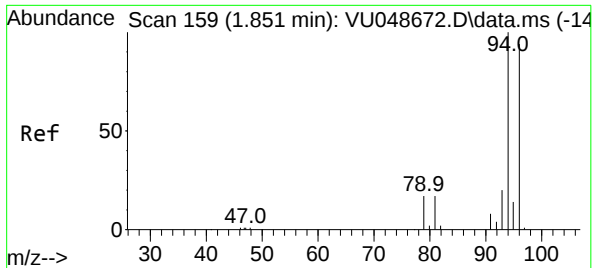
Tgt Ion:168 Resp: 195824
Ion Ratio Lower Upper
168 100
99 58.4 49.3 73.9



#3
Chloromethane
Concen: 0.204 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Tgt Ion: 50 Resp: 589
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

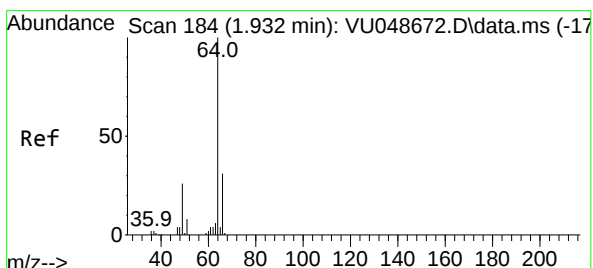
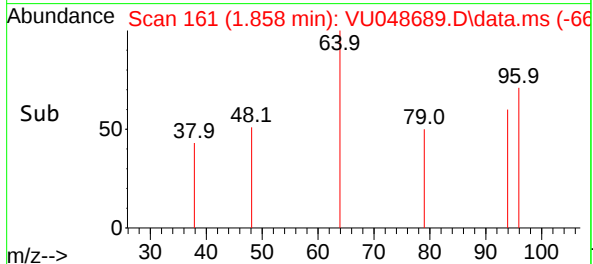
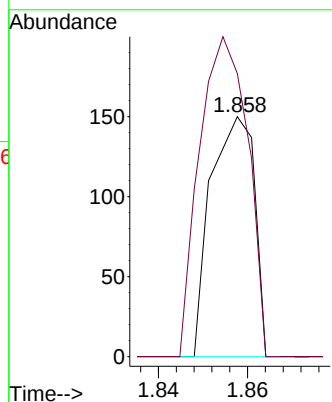
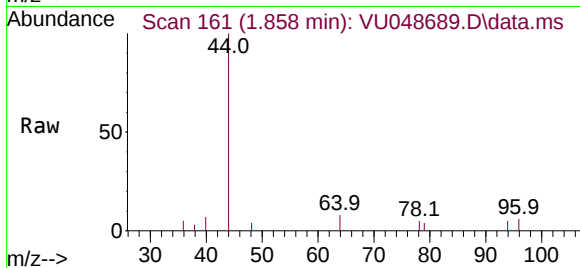




#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 1
Delta R.T. 0.007 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

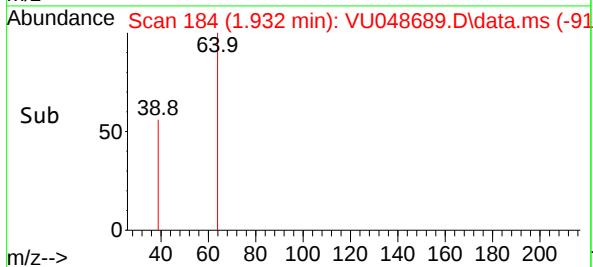
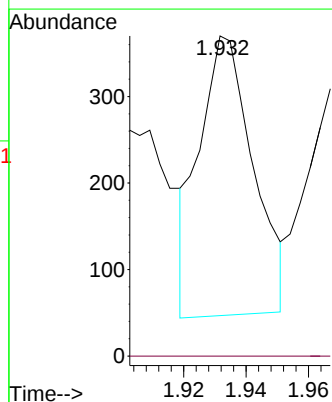
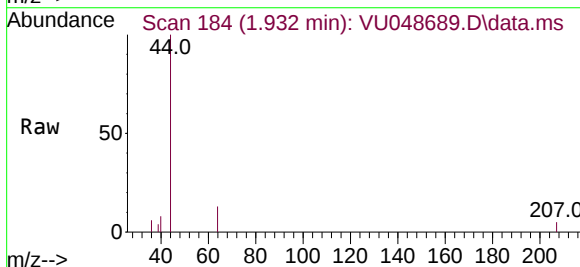
Instrument :
MSVOA_U
ClientSampleId :
DUP-X

Tgt Ion: 94 Resp: 102
Ion Ratio Lower Upper
94 100
96 118.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Tgt Ion: 64 Resp: 389
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

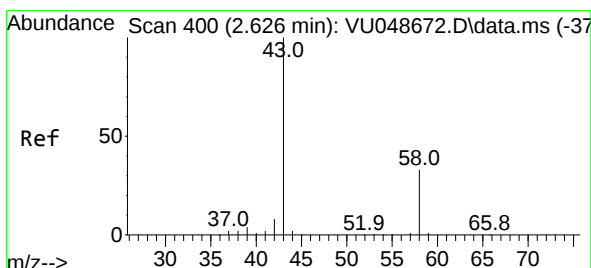
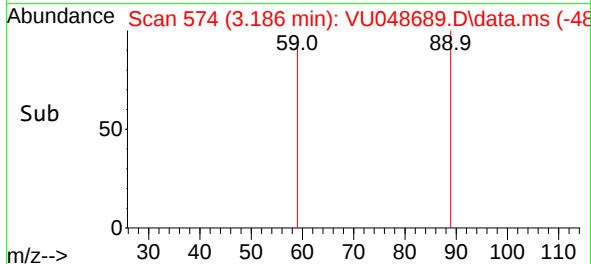
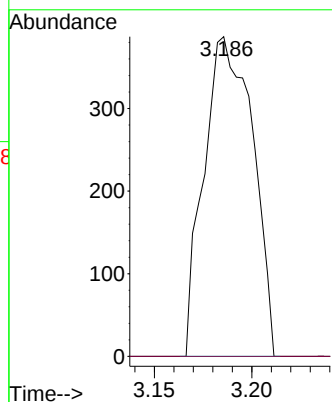
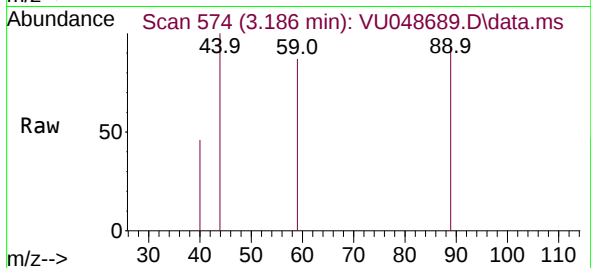




#11
Tert butyl alcohol
Concen: 0.904 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

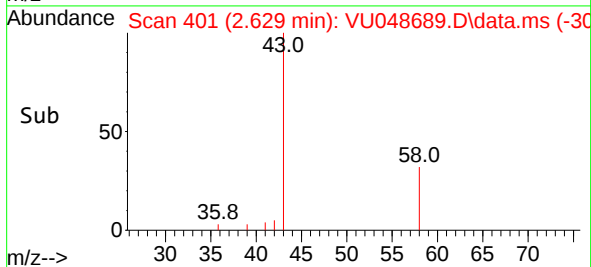
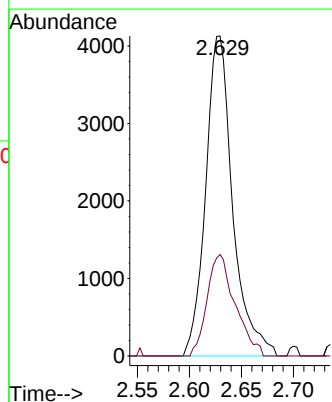
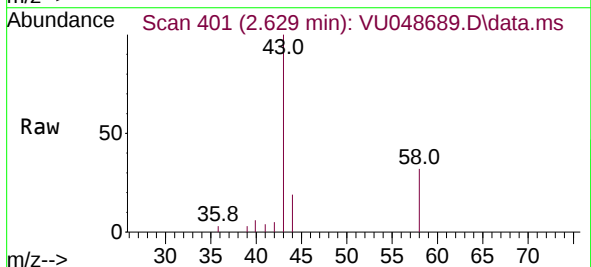
Instrument :
MSVOA_U
ClientSampleId :
DUP-X

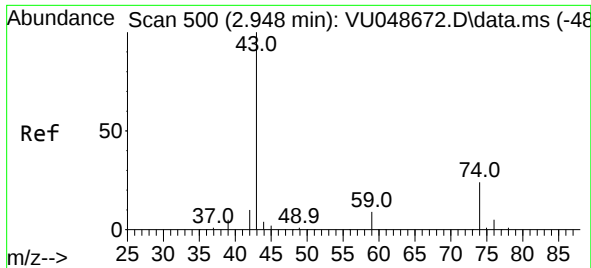
Tgt Ion: 59 Resp: 674
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#16
Acetone
Concen: 4.980 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Tgt Ion: 43 Resp: 7464
Ion Ratio Lower Upper
43 100
58 31.7 26.3 39.5

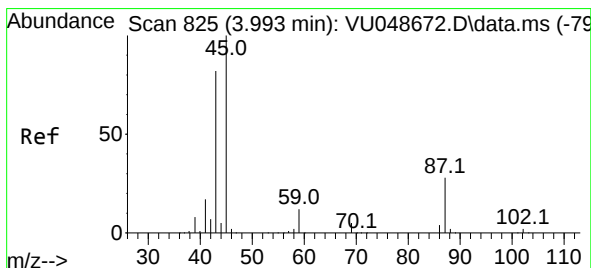
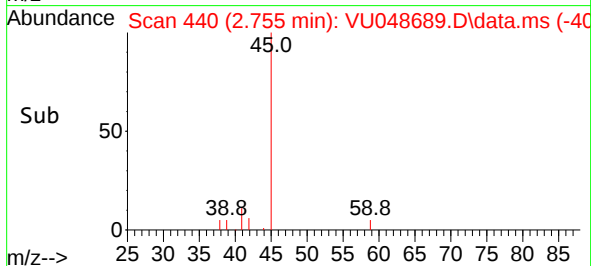
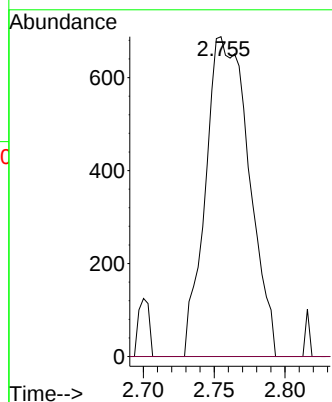
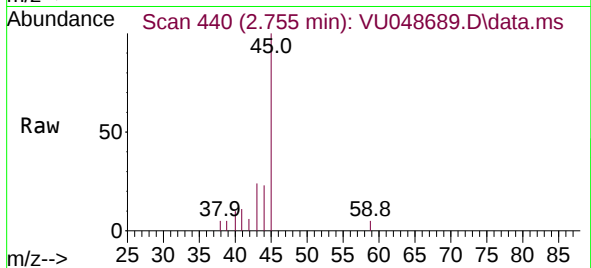




#18
Methyl Acetate
Concen: 0.389 ug/l
RT: 2.755 min Scan# 440
Delta R.T. -0.193 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

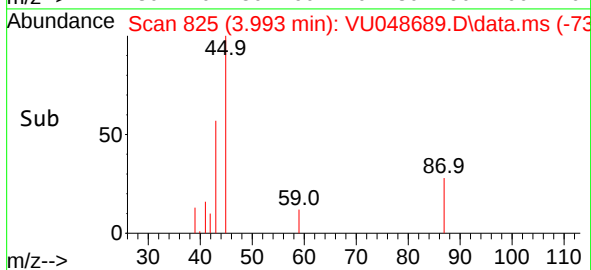
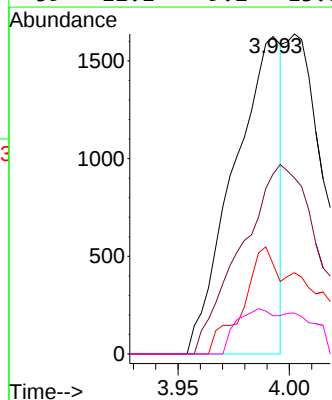
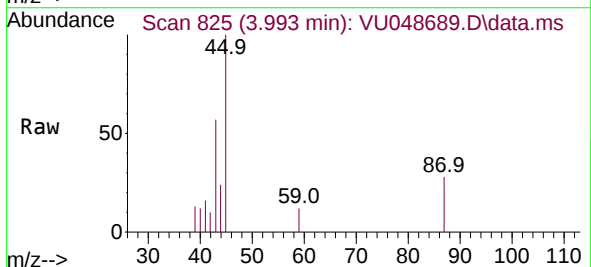
Instrument :
MSVOA_U
ClientSampleId :
DUP-X

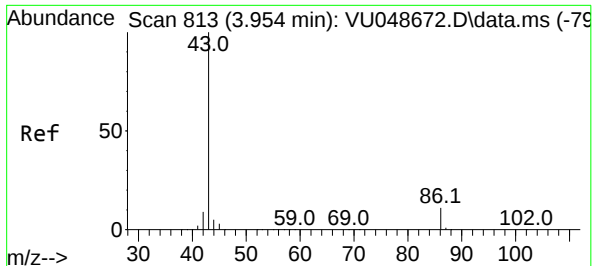
Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#22
Diisopropyl ether
Concen: 0.339 ug/l
RT: 3.993 min Scan# 825
Delta R.T. -0.000 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Tgt Ion: 45 Resp: 2411
Ion Ratio Lower Upper
45 100
43 56.7 65.2 97.8#
87 28.4 22.7 34.1
59 12.1 9.2 13.8

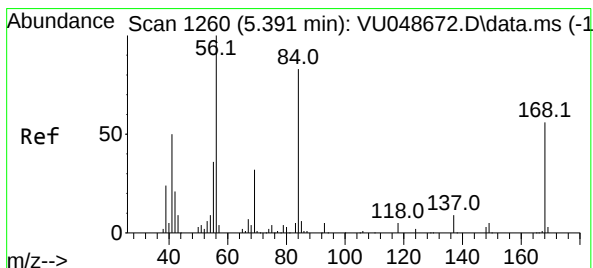
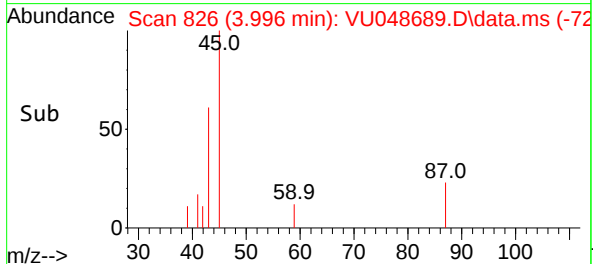
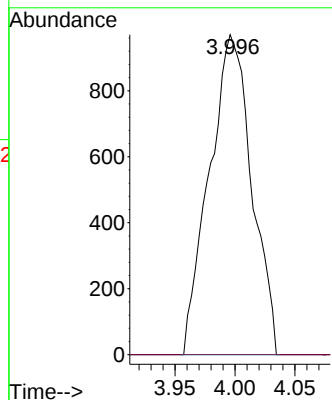
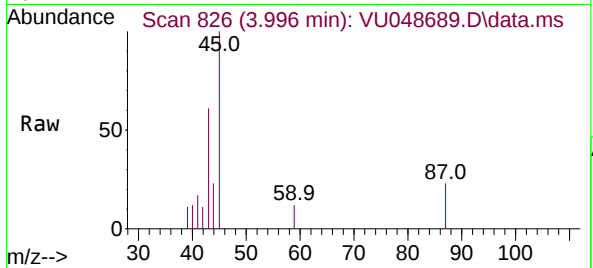




#23
 Vinyl Acetate
 Concen: 0.387 ug/l
 RT: 3.996 min Scan# 81
 Delta R.T. 0.042 min
 Lab File: VU048689.D
 Acq: 27 May 2022 13:30

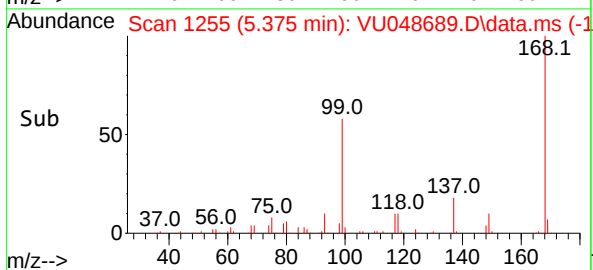
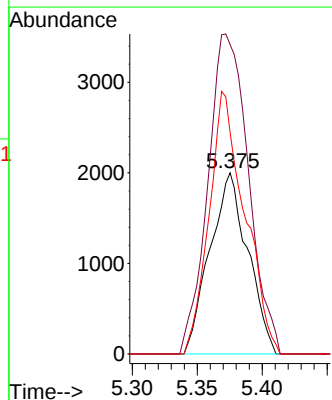
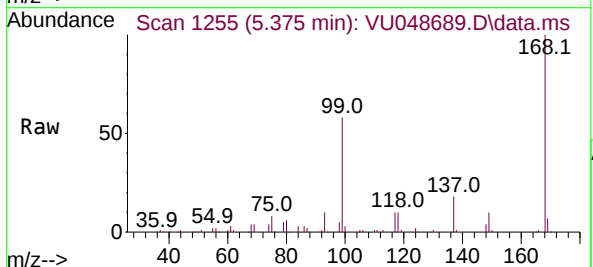
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-X

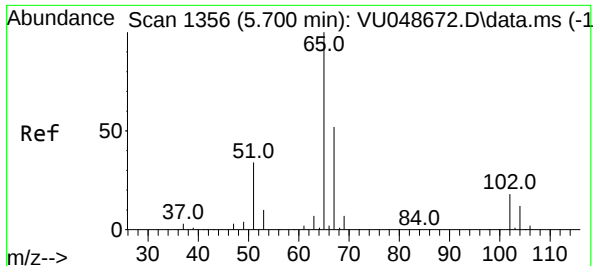
Tgt Ion: 43 Resp: 2389
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.4 12.6#



#31
 Cyclohexane
 Concen: 1.096 ug/l
 RT: 5.375 min Scan# 1255
 Delta R.T. -0.016 min
 Lab File: VU048689.D
 Acq: 27 May 2022 13:30

Tgt Ion: 56 Resp: 4061
 Ion Ratio Lower Upper
 56 100
 69 170.8 25.6 38.4#
 84 122.3 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 56.035 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048689.D

Acq: 27 May 2022 13:30

Instrument :

MSVOA_U

ClientSampleId :

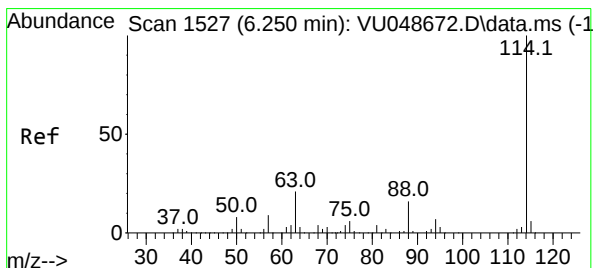
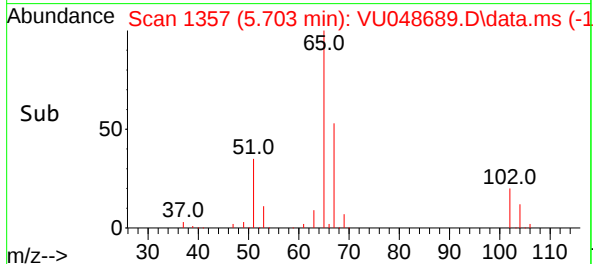
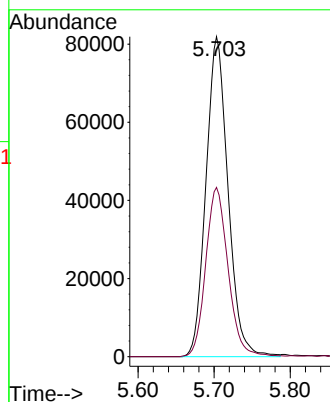
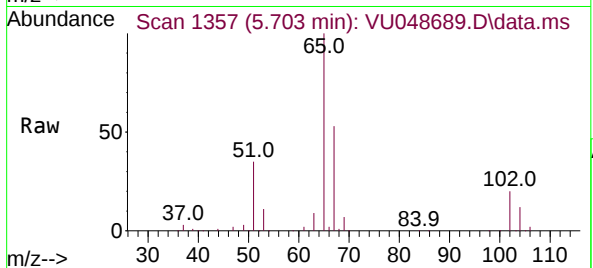
DUP-X

Tgt Ion: 65 Resp: 164793

Ion Ratio Lower Upper

65 100

67 53.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048689.D

Acq: 27 May 2022 13:30

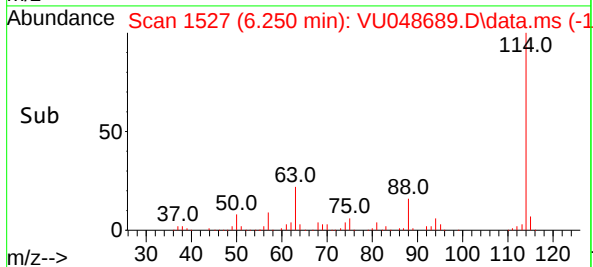
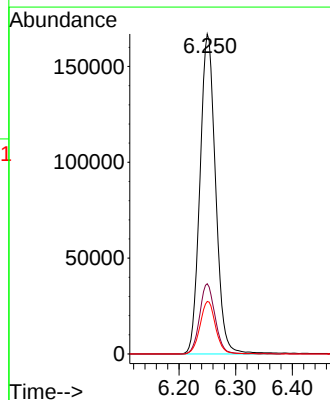
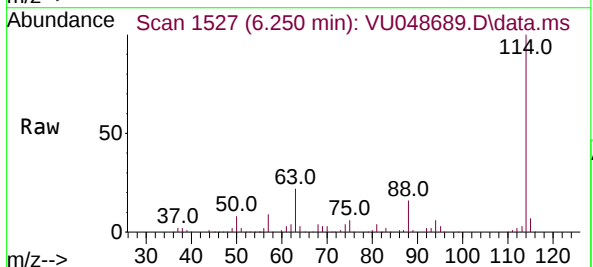
Tgt Ion: 114 Resp: 320211

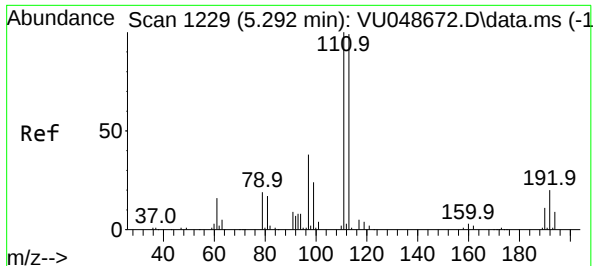
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.6

88 16.4 0.0 32.2

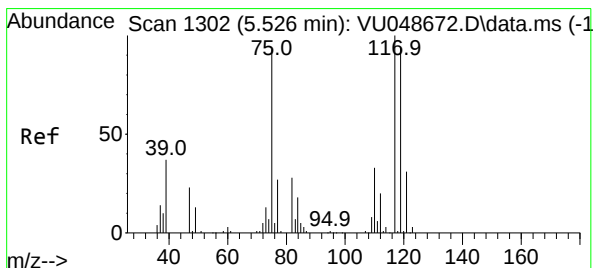
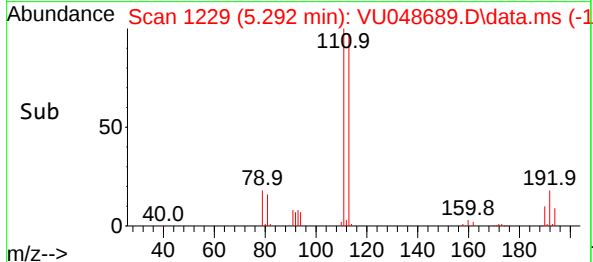
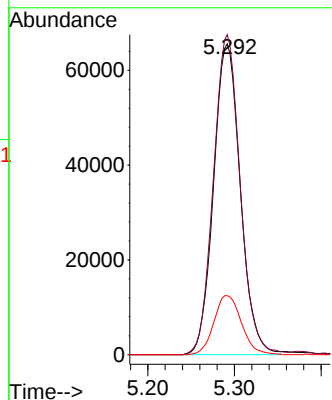
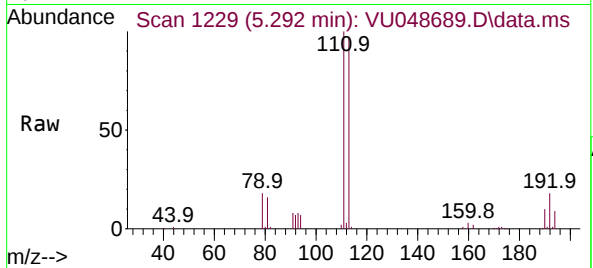




#35
Dibromofluoromethane
Concen: 61.608 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

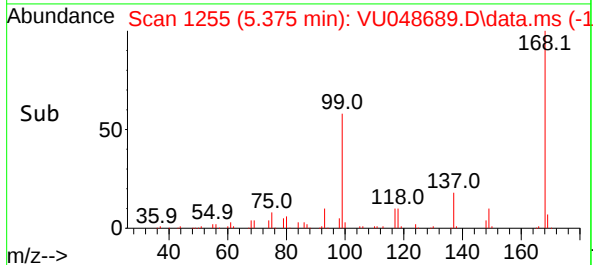
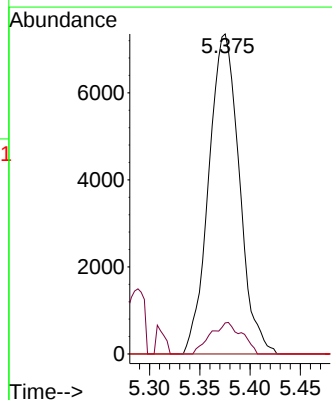
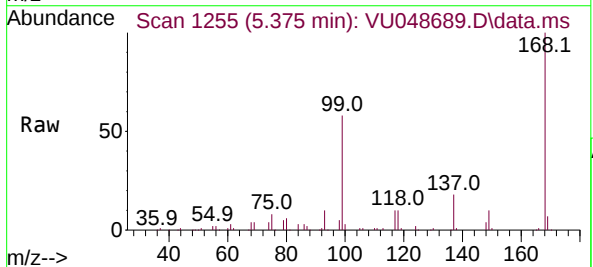
Instrument :
MSVOA_U
ClientSampleId :
DUP-X

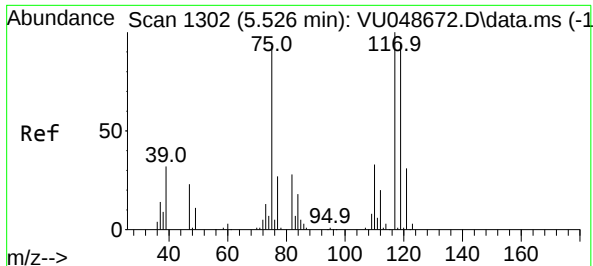
Tgt Ion:113 Resp: 140740
Ion Ratio Lower Upper
113 100
111 103.0 80.7 121.1
192 19.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.661 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

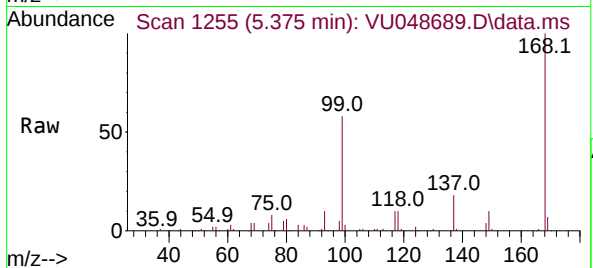
Tgt Ion: 75 Resp: 15541
Ion Ratio Lower Upper
75 100
110 10.1 17.4 52.3#
77 0.0 24.8 37.2#



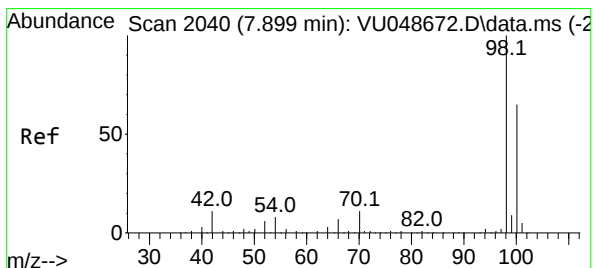
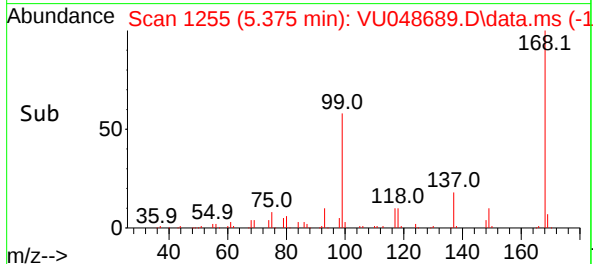
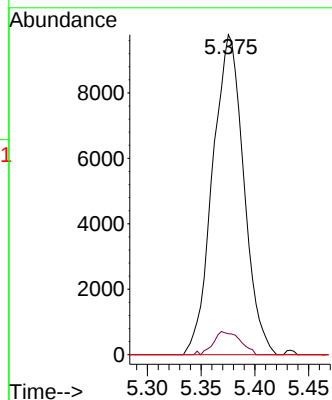


#38
Carbon Tetrachloride
Concen: 5.152 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Instrument :
MSVOA_U
ClientSampleId :
DUP-X

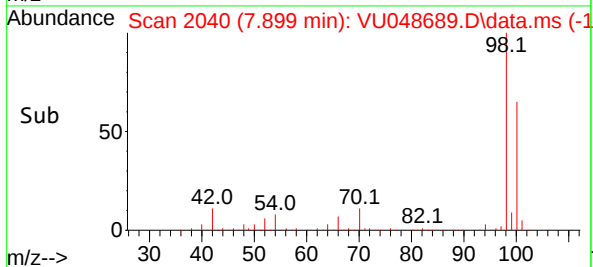
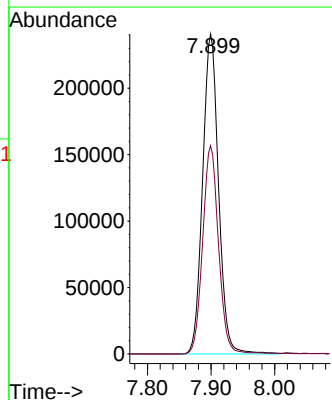
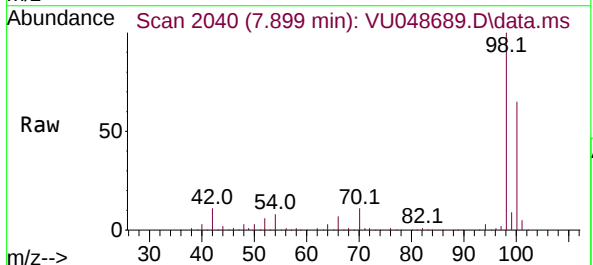


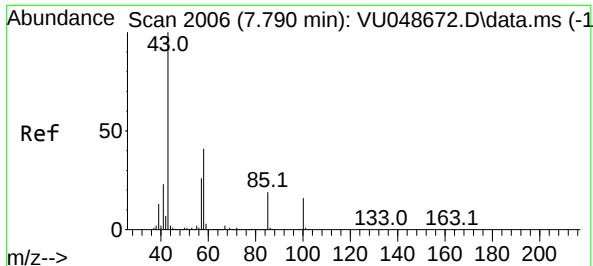
Tgt Ion:117 Resp: 19707
Ion Ratio Lower Upper
117 100
119 6.5 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 51.161 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Tgt Ion: 98 Resp: 418957
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.201 ug/l

RT: 7.793 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU048689.D

Acq: 27 May 2022 13:30

Instrument :

MSVOA_U

ClientSampleId :

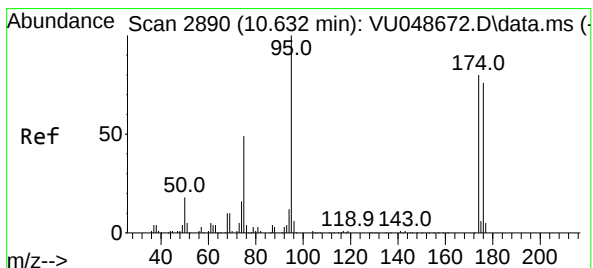
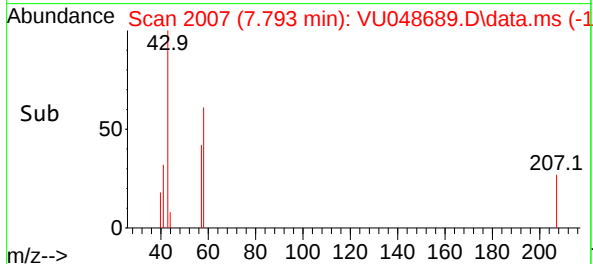
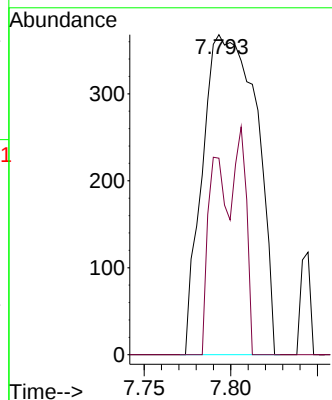
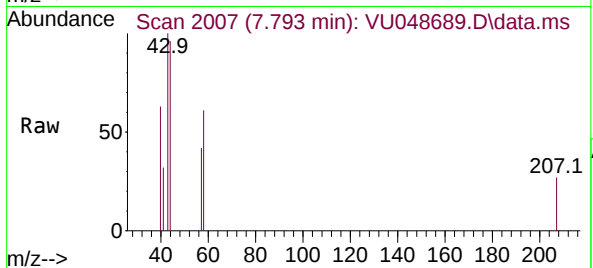
DUP-X

Tgt Ion: 43 Resp: 797

Ion Ratio Lower Upper

43 100

58 22.8 32.7 49.1#



#62

4-Bromofluorobenzene

Concen: 57.651 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VU048689.D

Acq: 27 May 2022 13:30

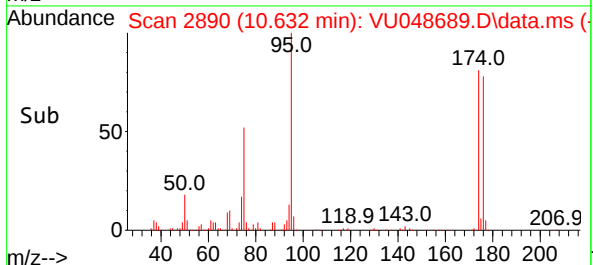
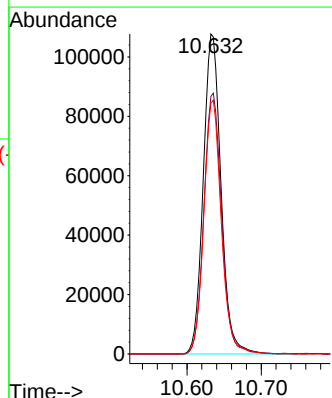
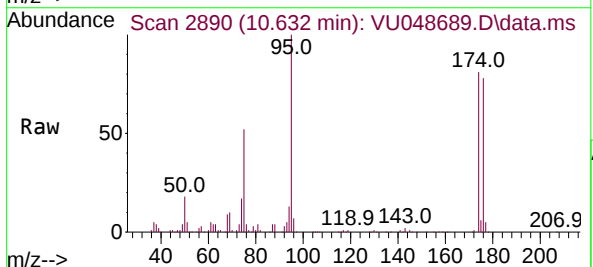
Tgt Ion: 95 Resp: 178546

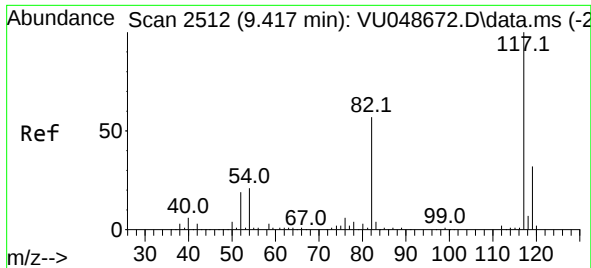
Ion Ratio Lower Upper

95 100

174 81.8 0.0 159.4

176 78.3 0.0 152.4

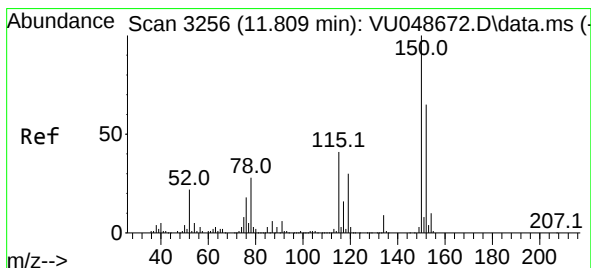
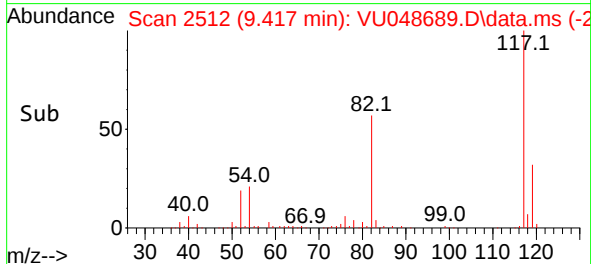
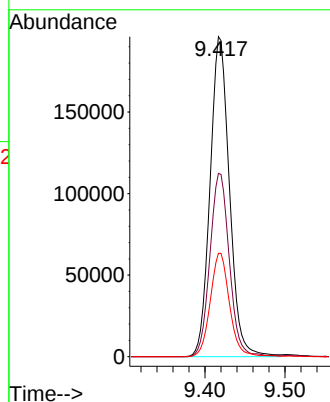
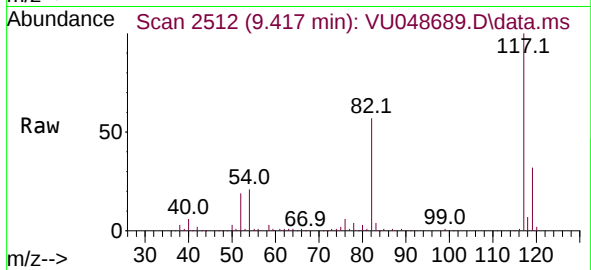




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

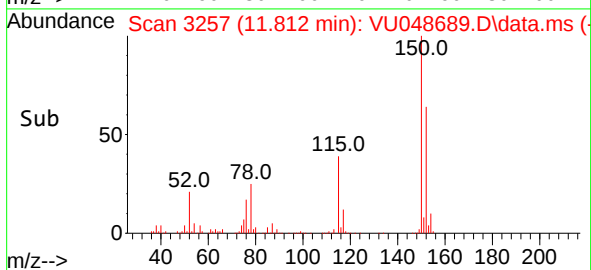
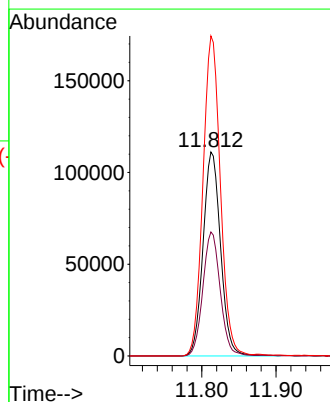
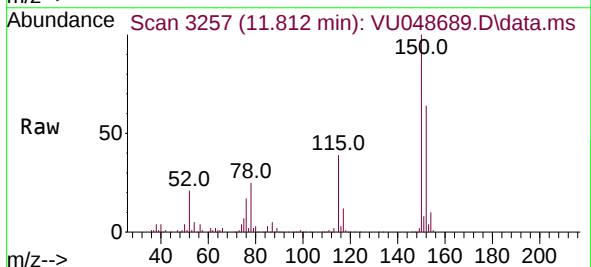
Instrument :
MSVOA_U
ClientSampleId :
DUP-X

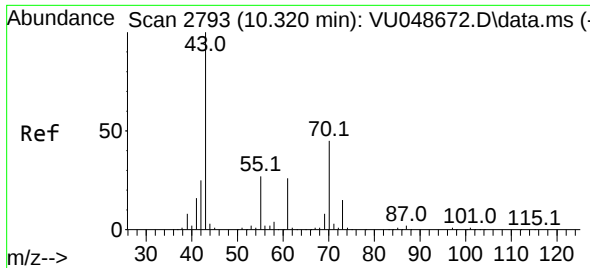
Tgt Ion:117 Resp: 330956
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Tgt Ion:152 Resp: 182205
Ion Ratio Lower Upper
152 100
115 60.1 41.8 125.4
150 155.5 0.0 341.0

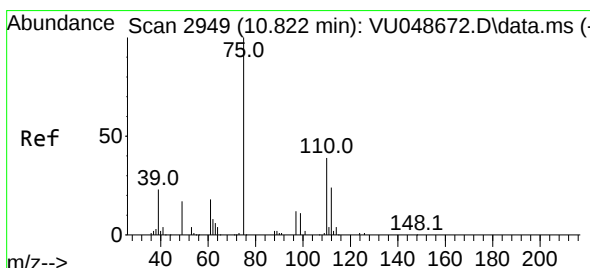
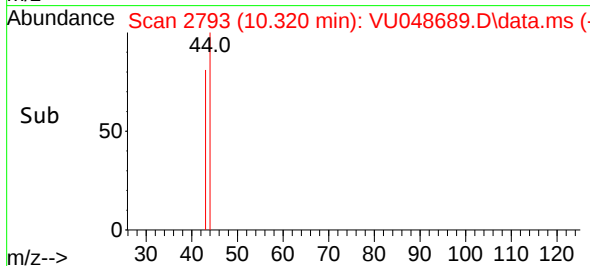
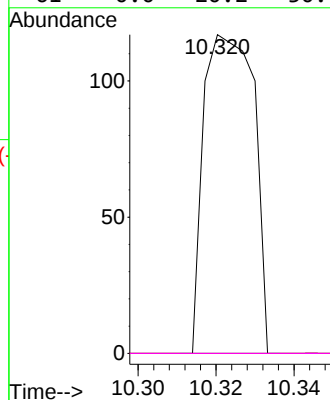
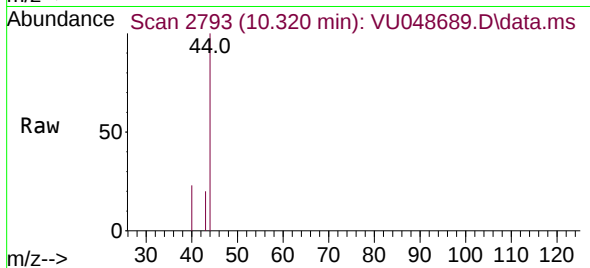




#74
N-amy1 acetate
Concen: 2.484 ug/l
RT: 10.320 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

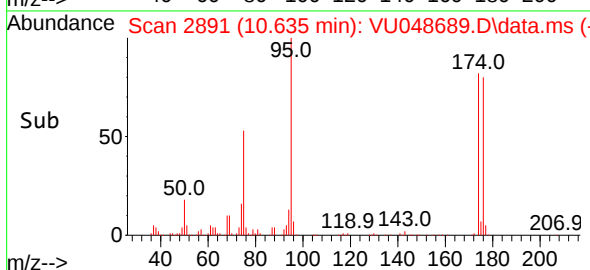
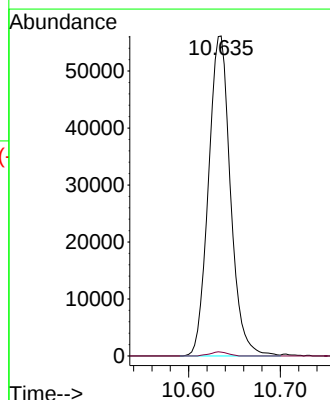
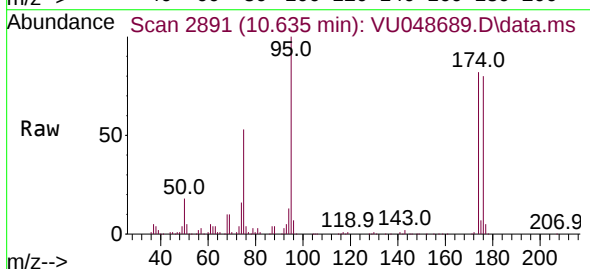
Instrument :
MSVOA_U
ClientSampleId :
DUP-X

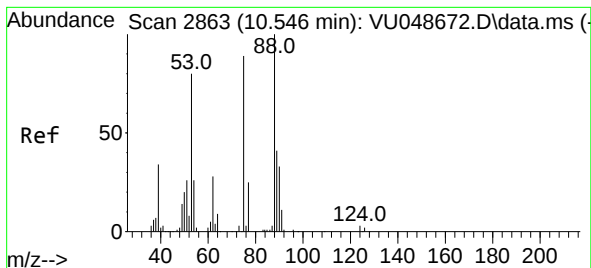
Tgt Ion: 43	Resp:	105
Ion	Ratio	Lower Upper
43	100	
70	0.0	35.8 53.6#
55	0.0	21.1 31.7#
61	0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 15.932 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.187 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Tgt Ion: 75	Resp:	93598
Ion	Ratio	Lower Upper
75	100	
77	1.1	14.8 44.3#

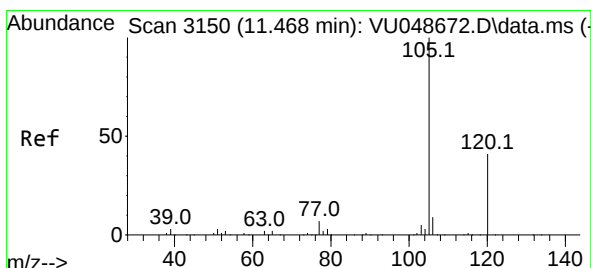
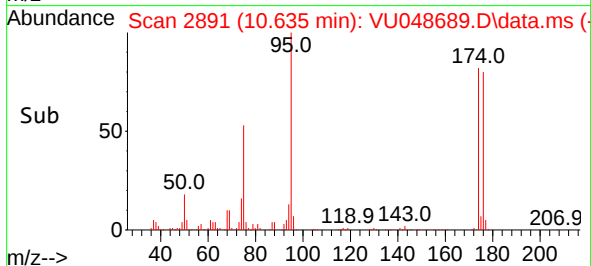
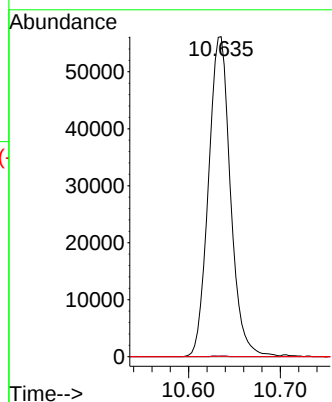
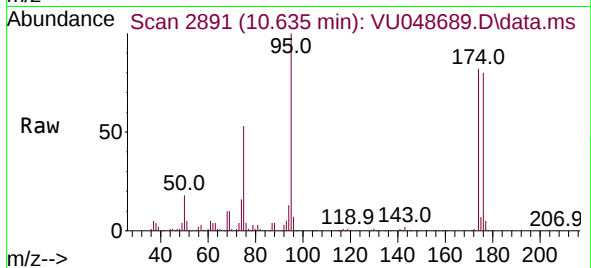




#81
trans-1,4-Dichloro-2-butene
Concen: 57.848 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.090 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

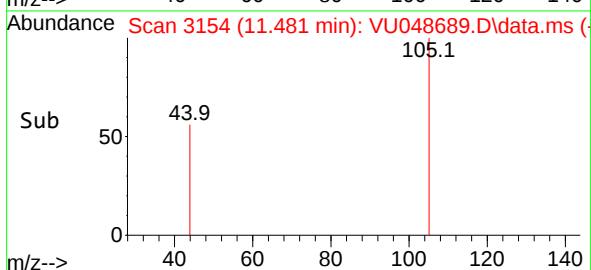
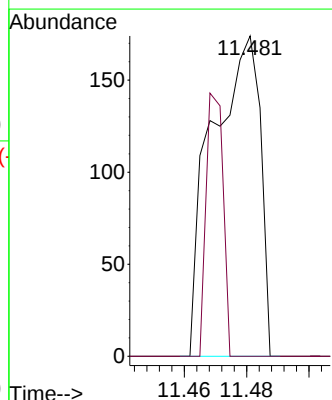
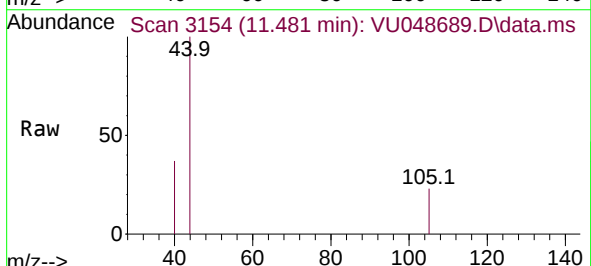
Instrument :
MSVOA_U
ClientSampleId :
DUP-X

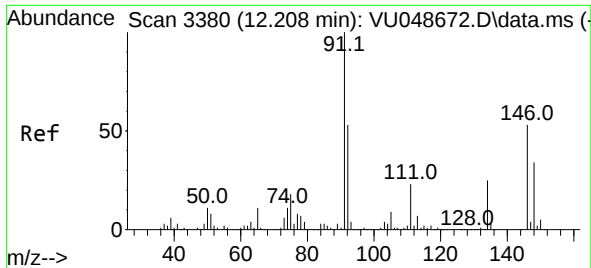
Tgt Ion: 75 Resp: 93598
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.203 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.013 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Tgt Ion: 105 Resp: 186
Ion Ratio Lower Upper
105 100
120 29.0 22.5 67.5

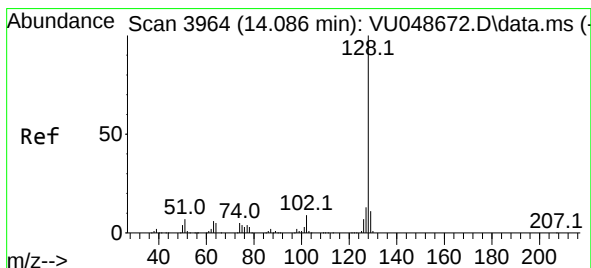
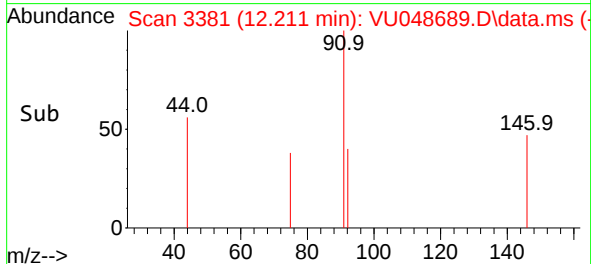
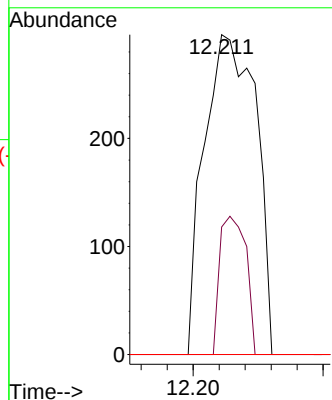
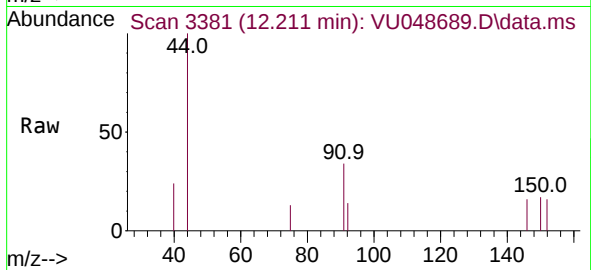




#89
n-Butylbenzene
Concen: 2.222 ug/l
RT: 12.211 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Instrument :
MSVOA_U
ClientSampleId :
DUP-X

Tgt Ion: 91 Resp: 409
Ion Ratio Lower Upper
91 100
92 21.8 25.9 77.8#
134 0.0 12.5 37.5#



#95
Naphthalene
Concen: 2.704 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.019 min
Lab File: VU048689.D
Acq: 27 May 2022 13:30

Tgt Ion: 128 Resp: 2585
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 2.8 8.7 13.1#

