

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048715.D
 Acq On : 28 May 2022 00:51
 Operator : SY/MD
 Sample : N3033-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-8

Quant Time: May 30 02:58:13 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)

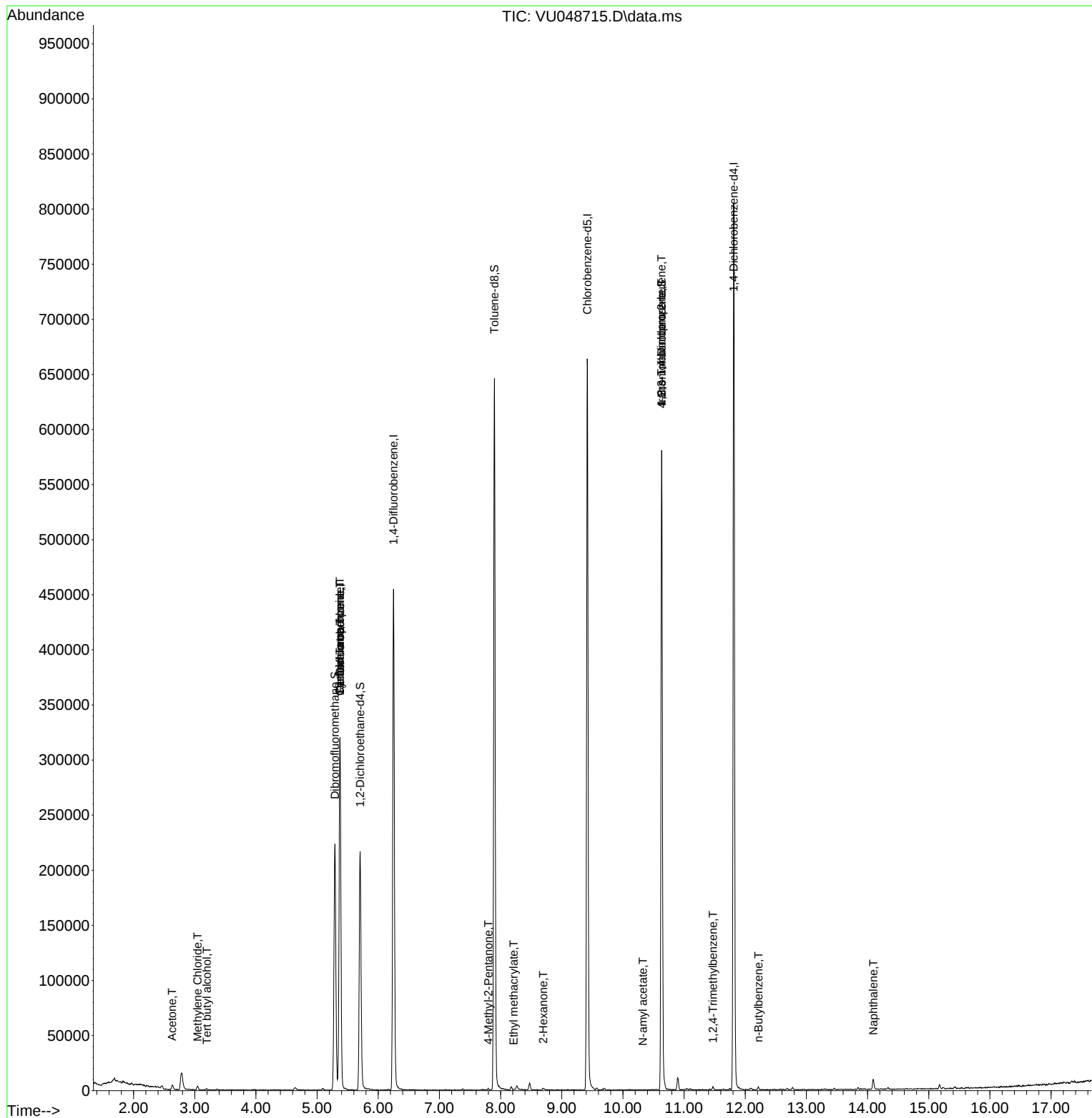
Internal Standards						
1) Pentafluorobenzene	5.375	168	215814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	375818	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	376283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	217982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	168355	51.944	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.880%	
35) Dibromofluoromethane	5.292	113	146335	54.579	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.160%	
50) Toluene-d8	7.899	98	433211	45.074	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 90.140%#	
62) 4-Bromofluorobenzene	10.635	95	197573	54.356	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.720%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.838	94	46	Below Cal	#	3
6) Chloroethane	1.944	64	400	Below Cal	#	43
11) Tert butyl alcohol	3.198	59	1038	1.263	ug/l #	28
13) Acrolein	2.494	56	42	Below Cal	#	14
16) Acetone	2.629	43	6015	3.642	ug/l	92
20) Methylene Chloride	3.044	84	1412	0.503	ug/l #	86
31) Cyclohexane	5.372	56	4441	1.087	ug/l #	19
36) 1,1-Dichloropropene	5.372	75	17904	4.575	ug/l #	51
38) Carbon Tetrachloride	5.372	117	22831	5.086	ug/l #	17
51) 4-Methyl-2-Pentanone	7.803	43	1015	0.218	ug/l #	65
56) Ethyl methacrylate	8.214	69	22	2.618	ug/l #	26
59) 2-Hexanone	8.697	43	1446	0.378	ug/l	78
74) N-amyl acetate	10.327	43	77	2.477	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	100868	14.352	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	100868	52.109	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	2324	1.359	ug/l	81
89) n-Butylbenzene	12.214	91	911	2.254	ug/l	83
95) Naphthalene	14.095	128	9290	3.047	ug/l	97

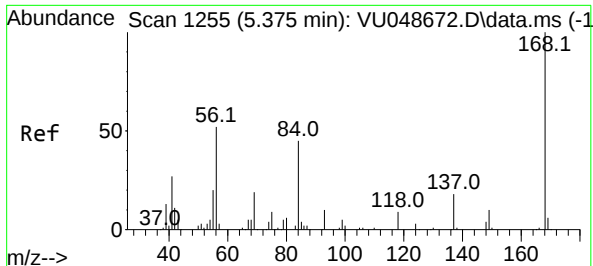
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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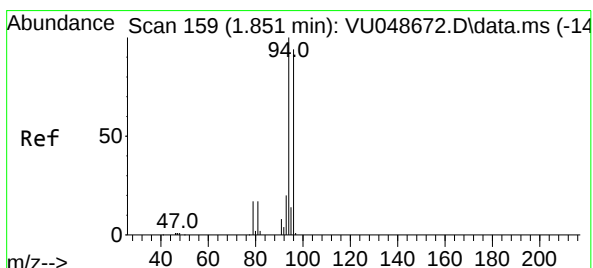
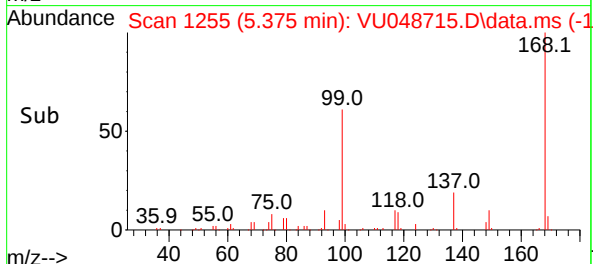
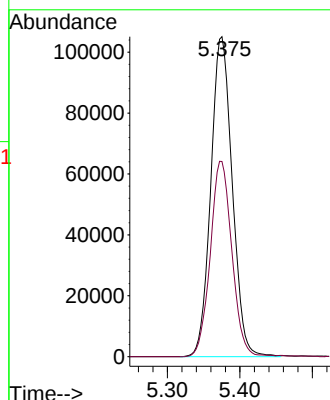
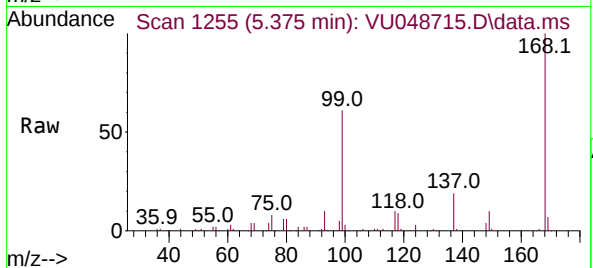




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

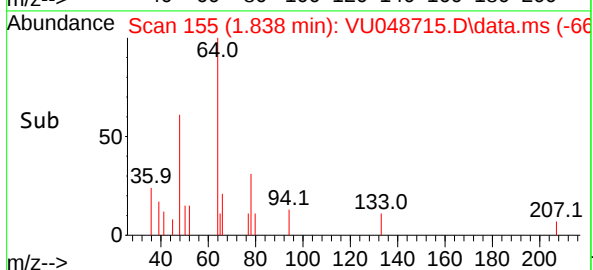
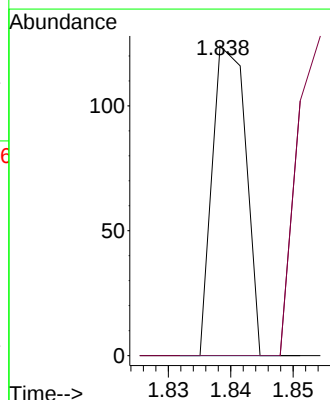
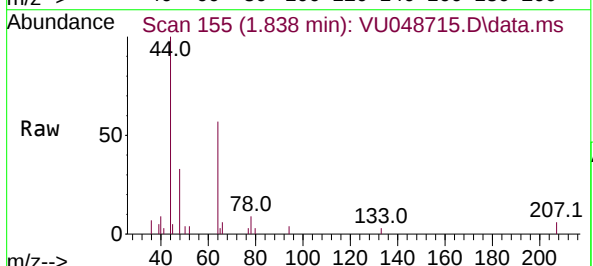
Instrument :
MSVOA_U
ClientSampleId :
TW-8

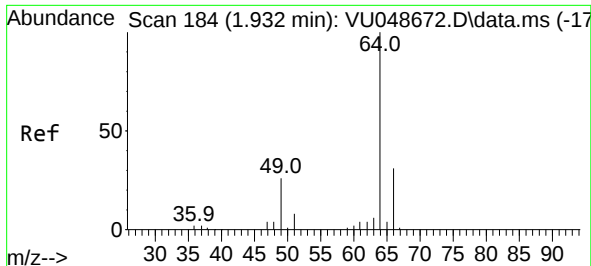
Tgt Ion:168 Resp: 215814
Ion Ratio Lower Upper
168 100
99 61.0 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.838 min Scan# 155
Delta R.T. -0.013 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

Tgt Ion: 94 Resp: 46
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

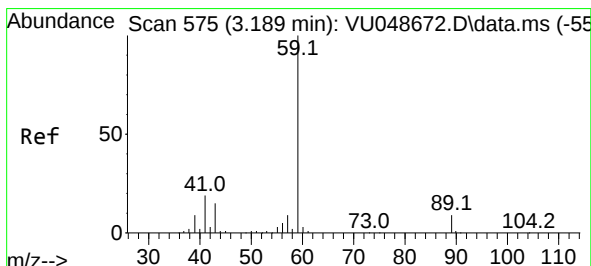
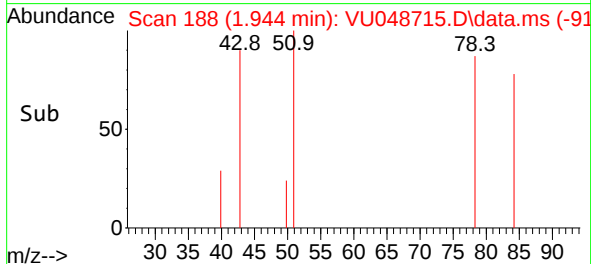
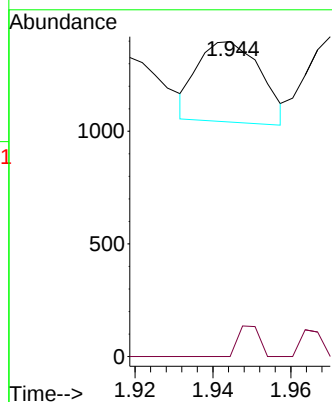
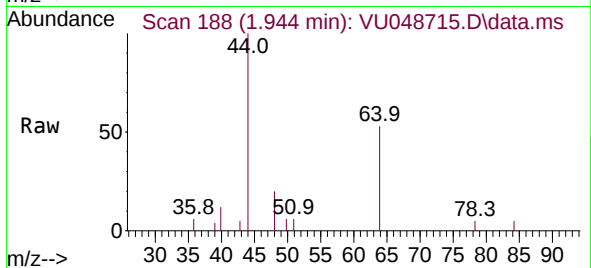




#6
Chloroethane
Concen: Below Cal
RT: 1.944 min Scan# 11
Delta R.T. 0.012 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

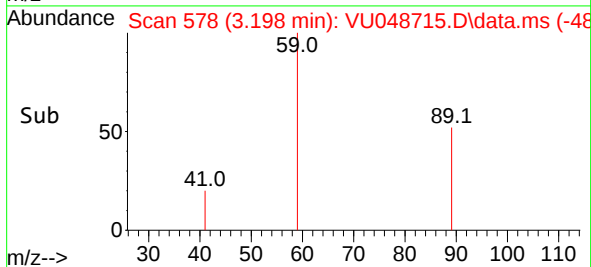
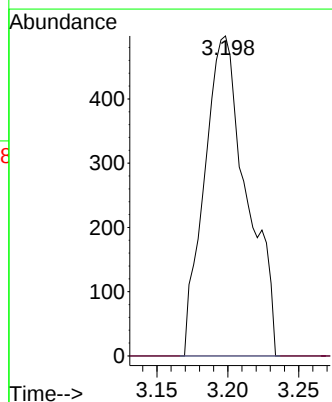
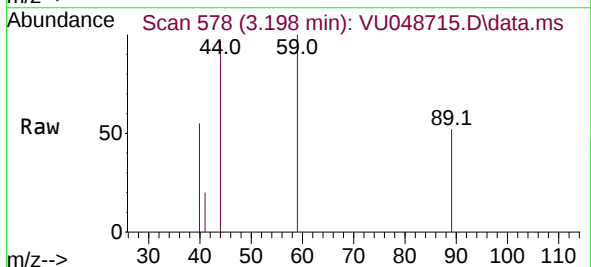
Instrument :
MSVOA_U
ClientSampleId :
TW-8

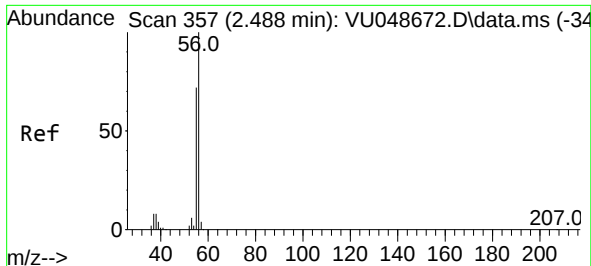
Tgt Ion: 64 Resp: 400
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 1.263 ug/l
RT: 3.198 min Scan# 578
Delta R.T. 0.009 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

Tgt Ion: 59 Resp: 1038
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

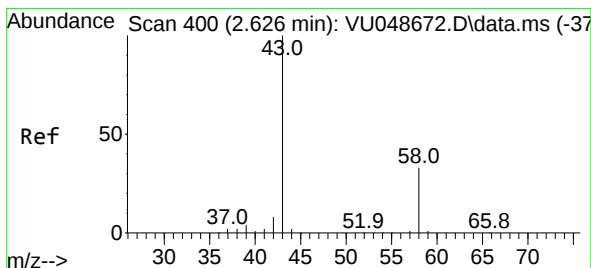
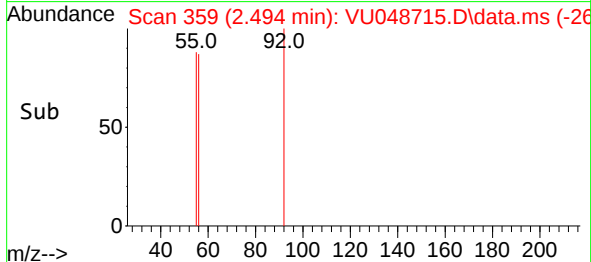
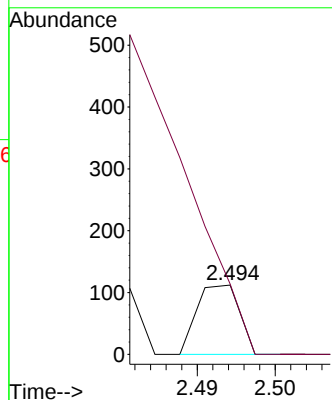
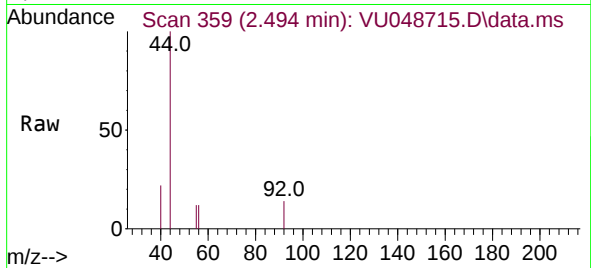




#13
Acrolein
Concen: Below Cal
RT: 2.494 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

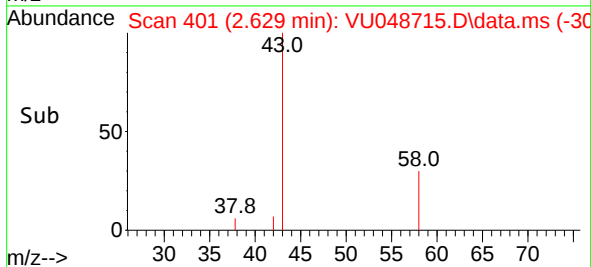
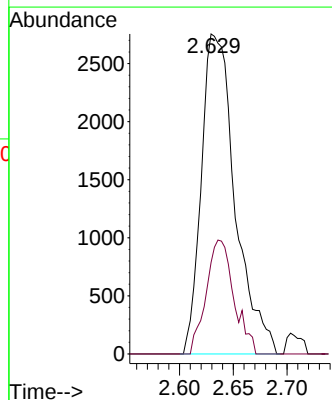
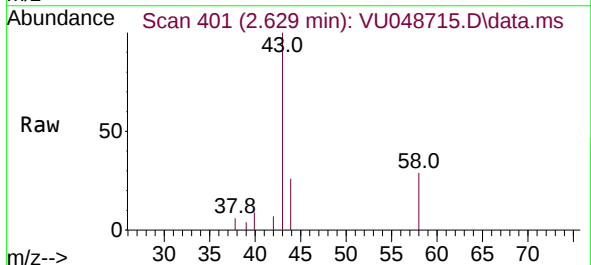
Instrument :
MSVOA_U
ClientSampleId :
TW-8

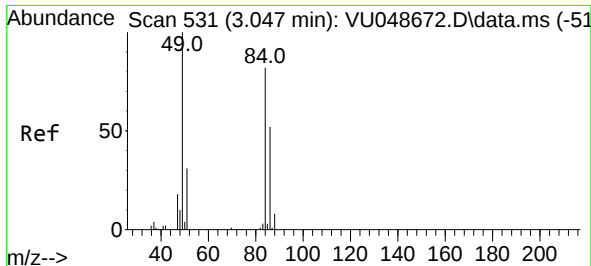
Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#16
Acetone
Concen: 3.642 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

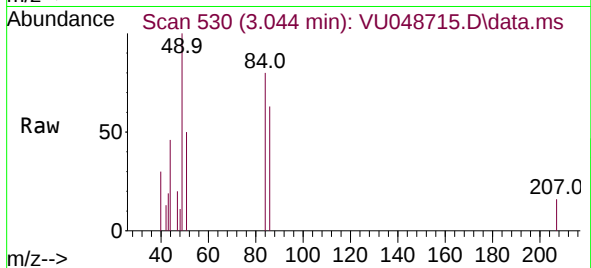
Tgt Ion: 43 Resp: 6015
Ion Ratio Lower Upper
43 100
58 28.6 26.3 39.5



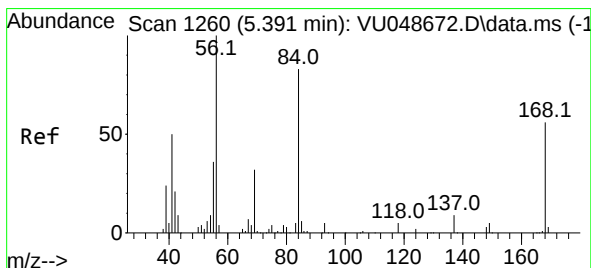
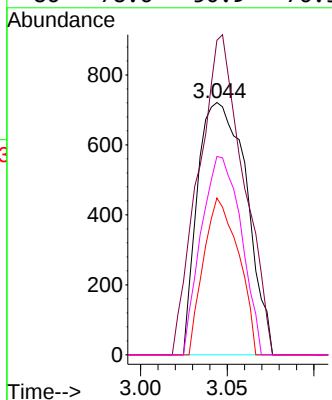
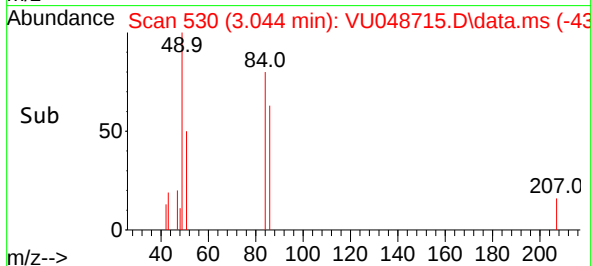


#20
Methylene Chloride
Concen: 0.503 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

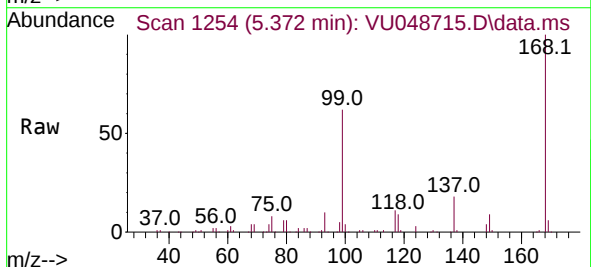
Instrument :
MSVOA_U
ClientSampleId :
TW-8



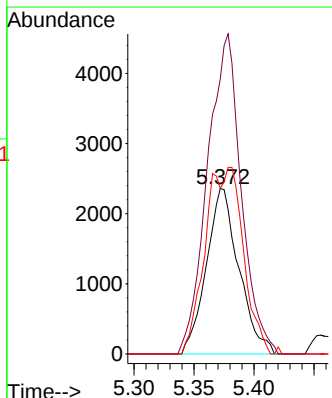
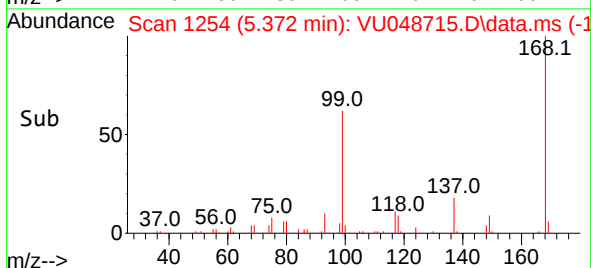
Tgt Ion:	84	Resp:	1412
Ion	Ratio	Lower	Upper
84	100		
49	124.7	97.0	145.4
51	62.1	29.8	44.8#
86	78.6	50.9	76.3#

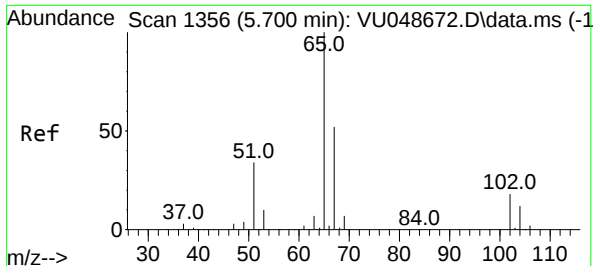


#31
Cyclohexane
Concen: 1.087 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51



Tgt Ion:	56	Resp:	4441
Ion	Ratio	Lower	Upper
56	100		
69	166.3	25.6	38.4#
84	100.0	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 51.944 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048715.D

Acq: 28 May 2022 00:51

Instrument :

MSVOA_U

ClientSampleId :

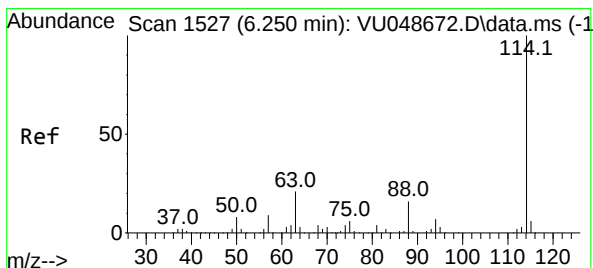
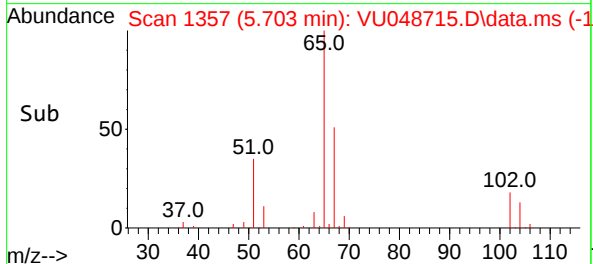
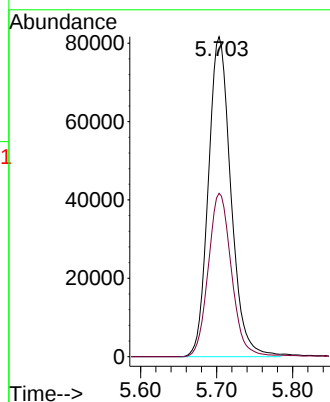
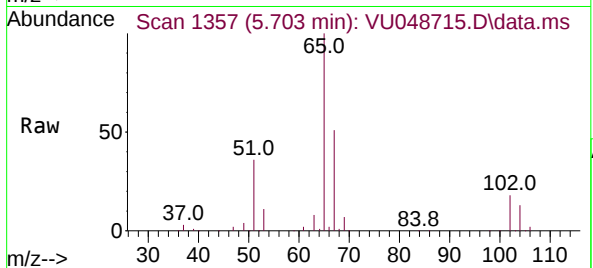
TW-8

Tgt Ion: 65 Resp: 168355

Ion Ratio Lower Upper

65 100

67 52.7 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: VU048715.D

Acq: 28 May 2022 00:51

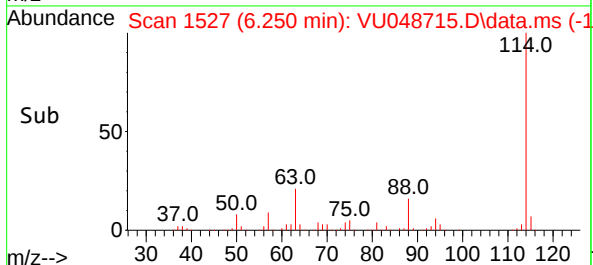
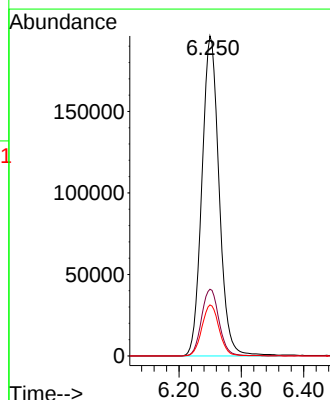
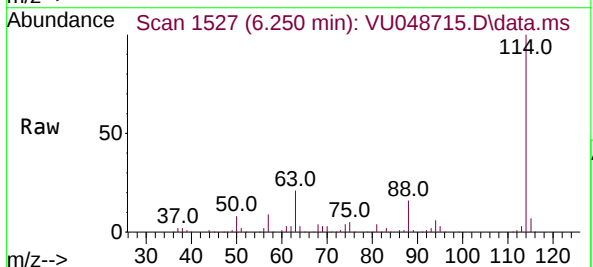
Tgt Ion: 114 Resp: 375818

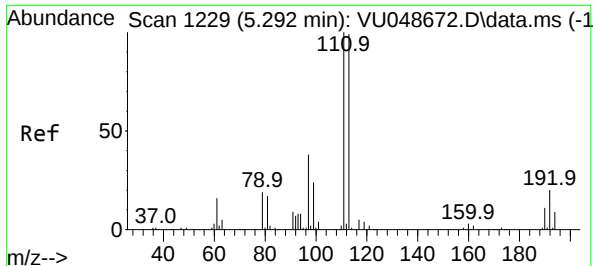
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 15.9 0.0 32.2

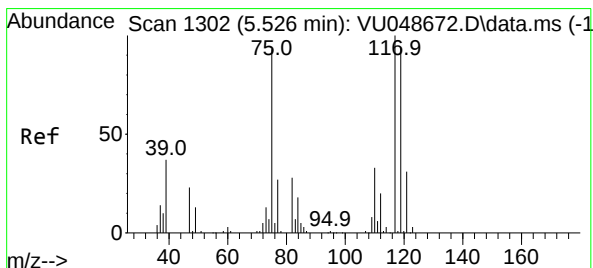
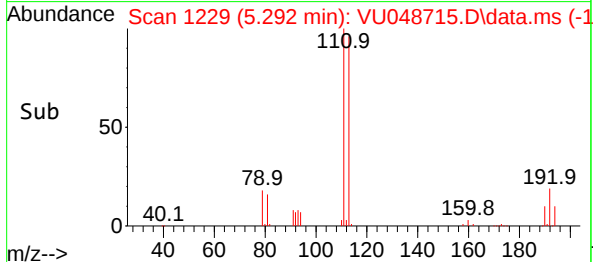
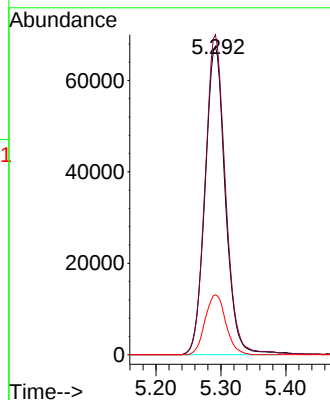
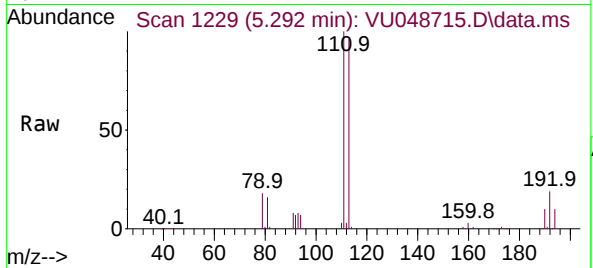




#35
Dibromofluoromethane
Concen: 54.579 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

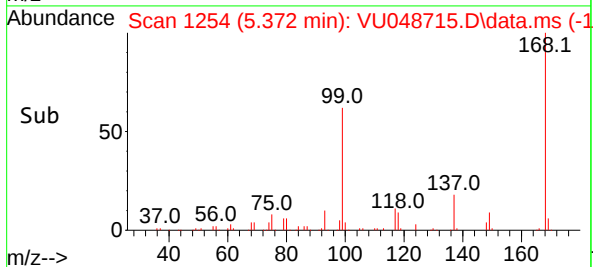
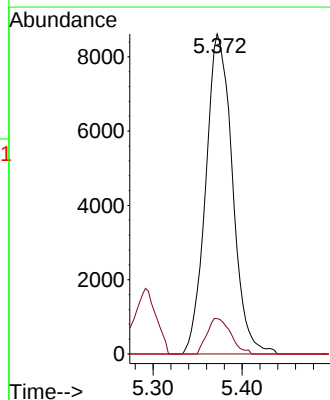
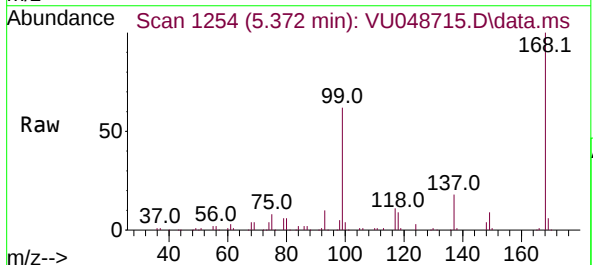
Instrument :
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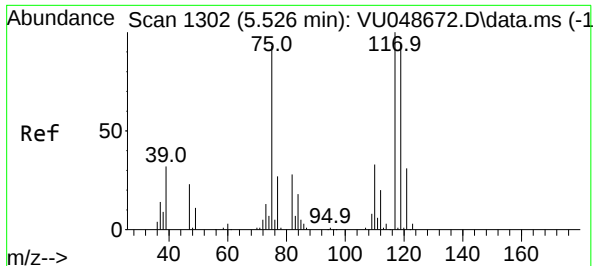
Tgt Ion:113 Resp: 146335
Ion Ratio Lower Upper
113 100
111 103.6 80.7 121.1
192 19.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.575 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.155 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

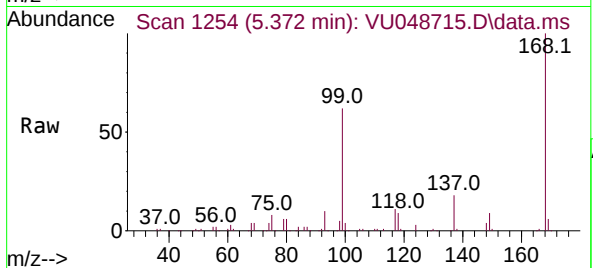
Tgt Ion: 75 Resp: 17904
Ion Ratio Lower Upper
75 100
110 9.8 17.4 52.3#
77 0.0 24.8 37.2#



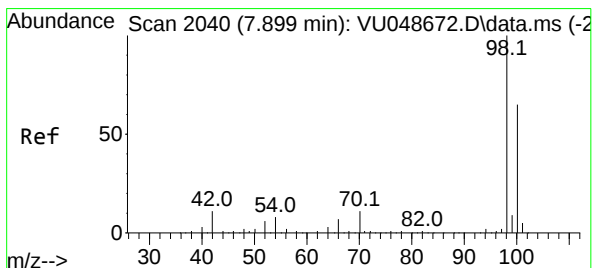
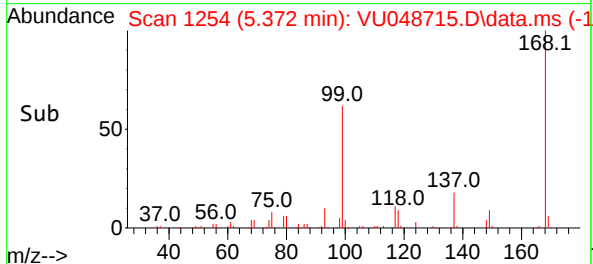
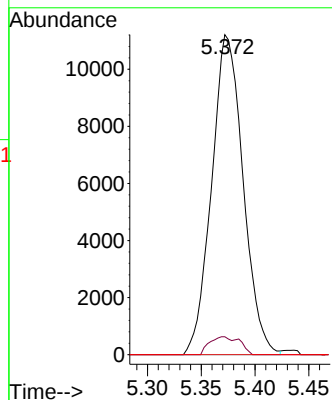


#38
Carbon Tetrachloride
Concen: 5.086 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.155 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

Instrument :
MSVOA_U
ClientSampleId :
TW-8

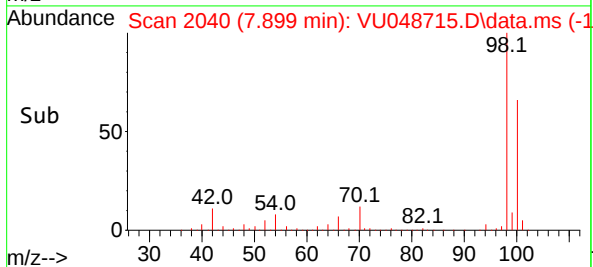
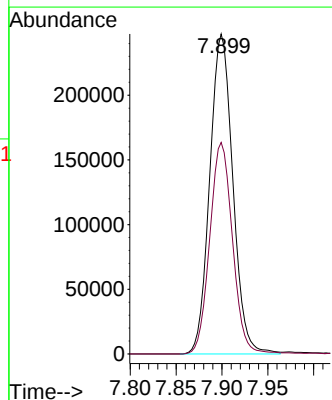
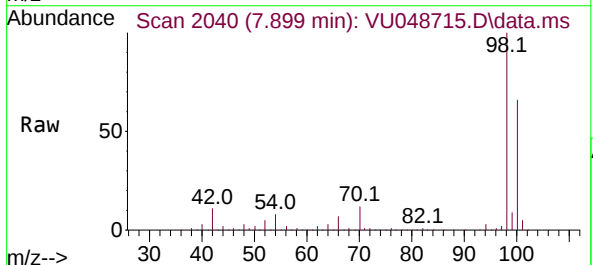


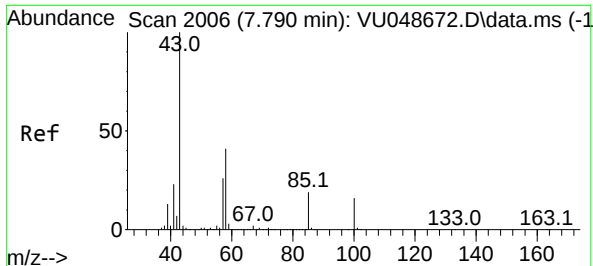
Tgt Ion:117 Resp: 22831
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 45.074 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

Tgt Ion: 98 Resp: 433211
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.218 ug/l

RT: 7.803 min Scan# 2010

Delta R.T. 0.013 min

Lab File: VU048715.D

Acq: 28 May 2022 00:51

Instrument :

MSVOA_U

ClientSampleId :

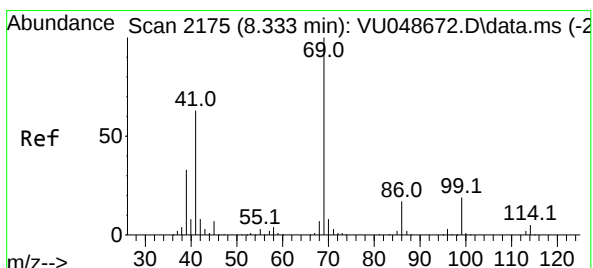
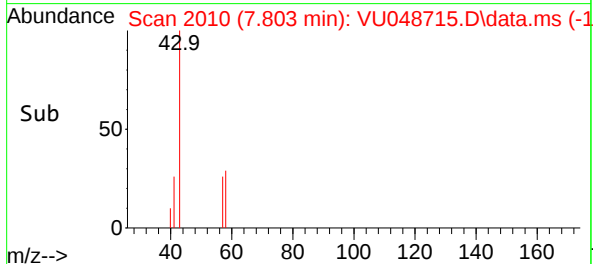
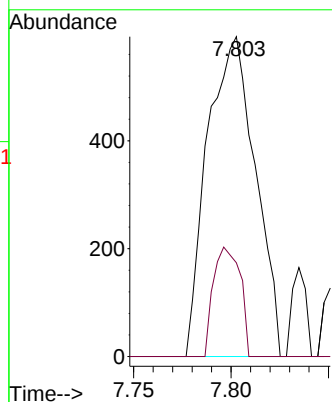
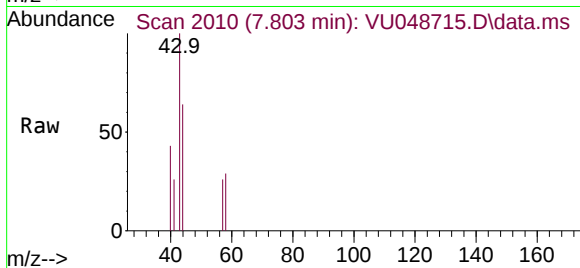
TW-8

Tgt Ion: 43 Resp: 1015

Ion Ratio Lower Upper

43 100

58 19.0 32.7 49.1#



#56

Ethyl methacrylate

Concen: 2.618 ug/l

RT: 8.214 min Scan# 2138

Delta R.T. -0.119 min

Lab File: VU048715.D

Acq: 28 May 2022 00:51

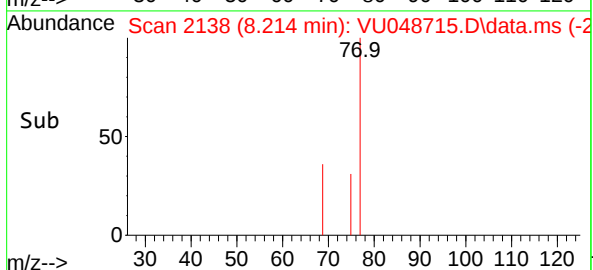
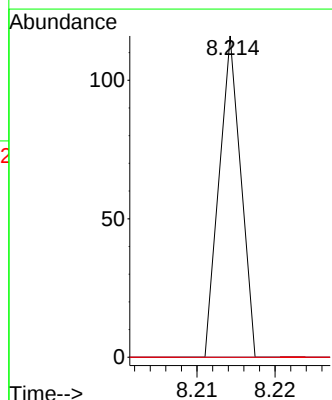
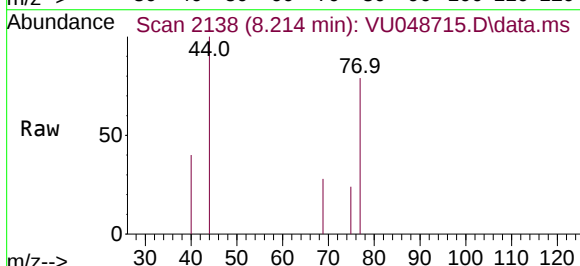
Tgt Ion: 69 Resp: 22

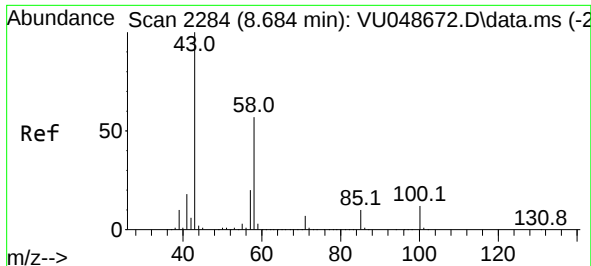
Ion Ratio Lower Upper

69 100

41 0.0 50.6 76.0#

39 0.0 26.6 40.0#





#59

2-Hexanone

Concen: 0.378 ug/l

RT: 8.697 min Scan# 21

Delta R.T. 0.013 min

Lab File: VU048715.D

Acq: 28 May 2022 00:51

Instrument :

MSVOA_U

ClientSampleId :

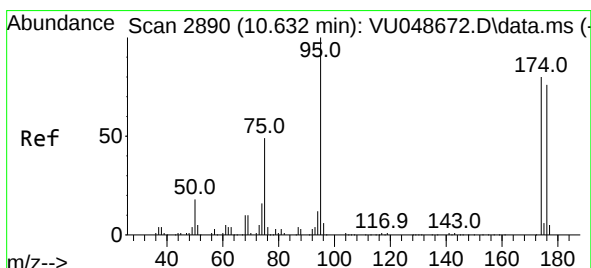
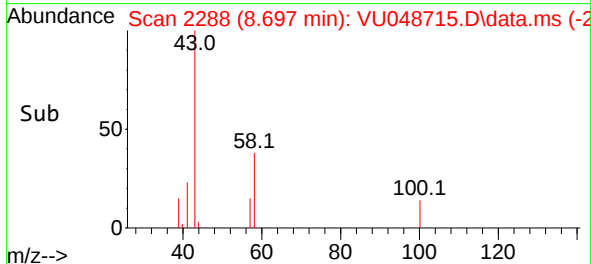
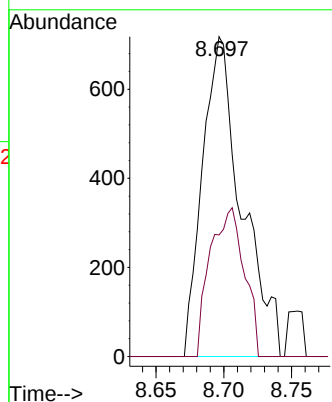
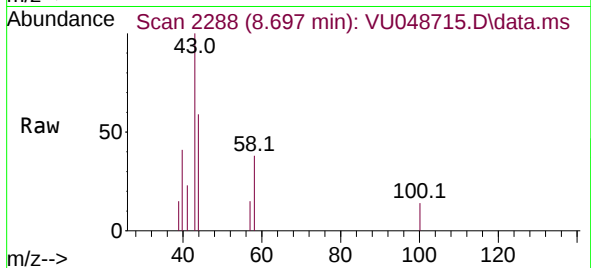
TW-8

Tgt Ion: 43 Resp: 1446

Ion Ratio Lower Upper

43 100

58 40.2 28.2 84.6



#62

4-Bromofluorobenzene

Concen: 54.356 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU048715.D

Acq: 28 May 2022 00:51

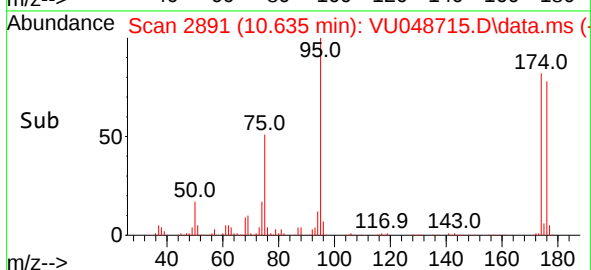
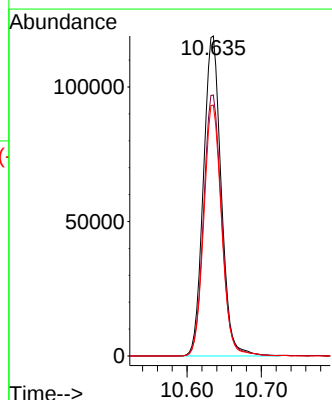
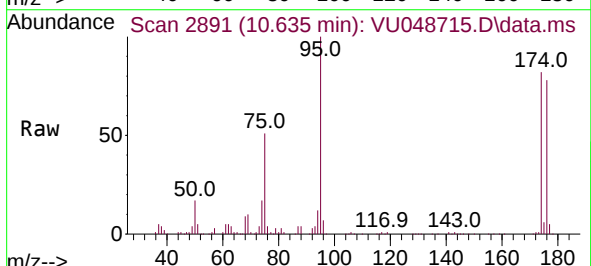
Tgt Ion: 95 Resp: 197573

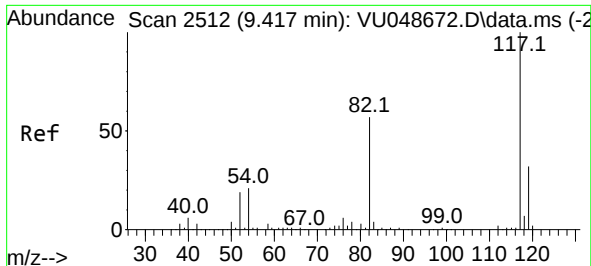
Ion Ratio Lower Upper

95 100

174 82.6 0.0 159.4

176 78.4 0.0 152.4

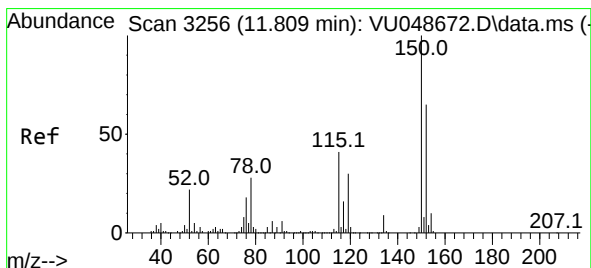
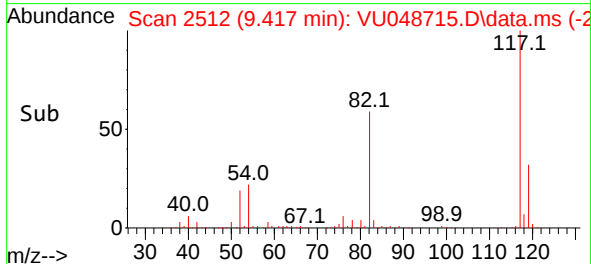
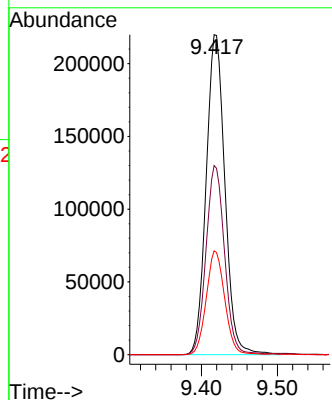
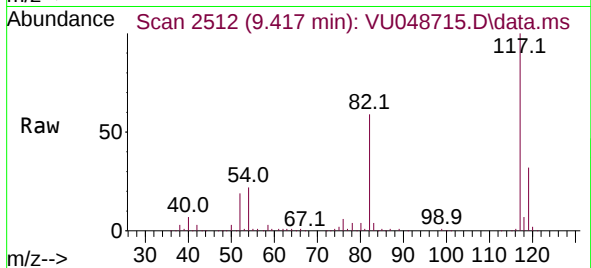




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

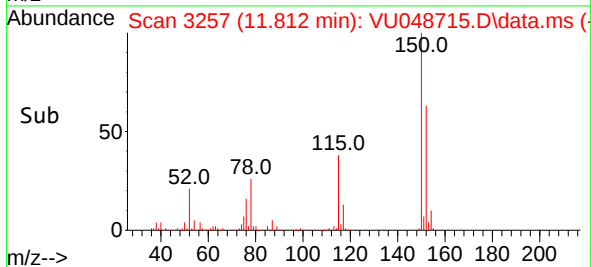
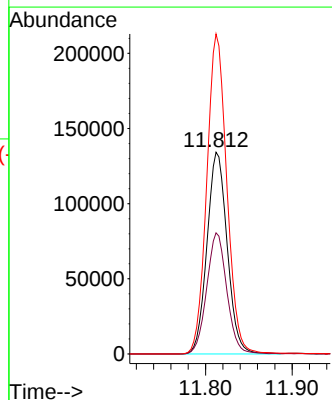
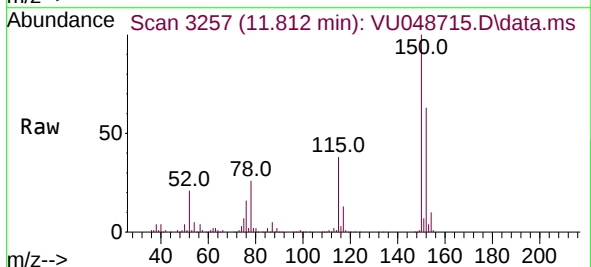
Instrument :
MSVOA_U
ClientSampleId :
TW-8

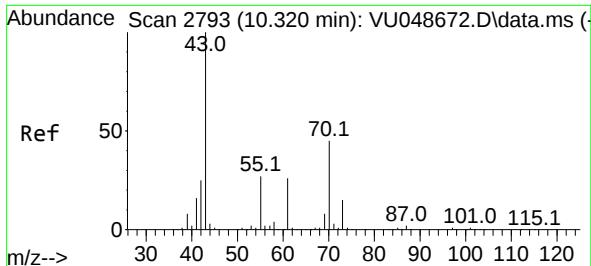
Tgt Ion:117 Resp: 376283
Ion Ratio Lower Upper
117 100
82 59.1 45.3 67.9
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

Tgt Ion:152 Resp: 217982
Ion Ratio Lower Upper
152 100
115 59.6 41.8 125.4
150 157.0 0.0 341.0

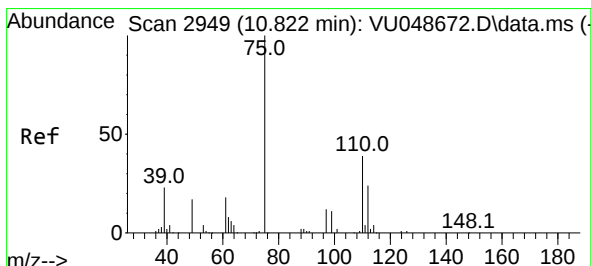
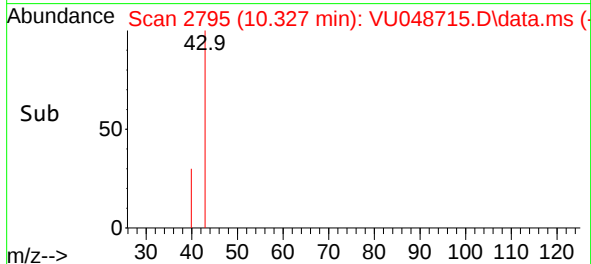
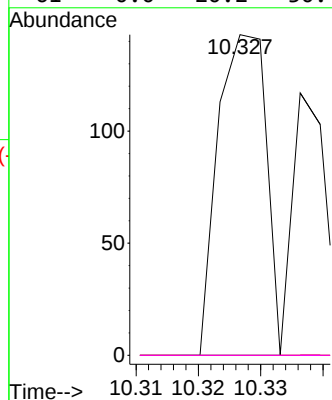
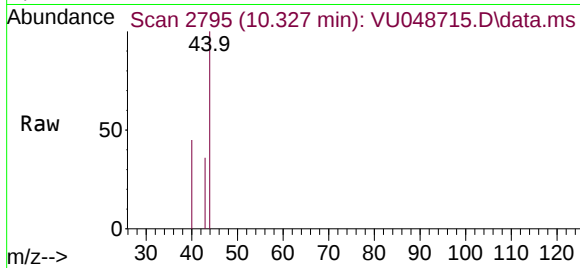




#74
N-amy1 acetate
Concen: 2.477 ug/l
RT: 10.327 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

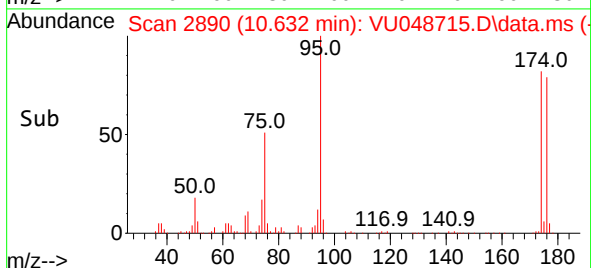
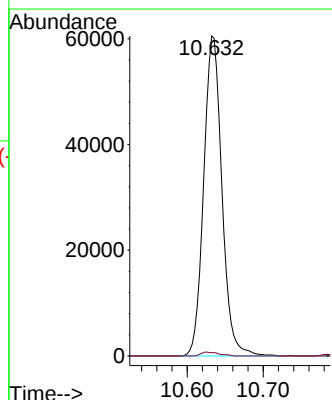
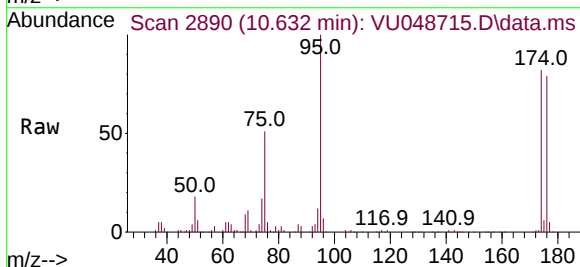
Instrument :
MSVOA_U
ClientSampleId :
TW-8

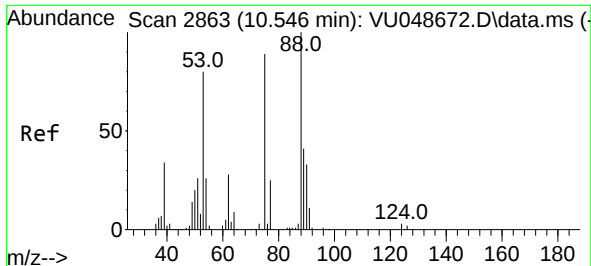
Tgt Ion: 43	Resp: 77
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 14.352 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

Tgt Ion:	75	Resp:	100868
Ion	Ratio	Lower	Upper
75	100		
77	1.2	14.8	44.3#

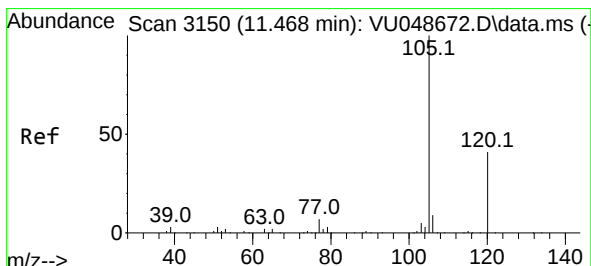
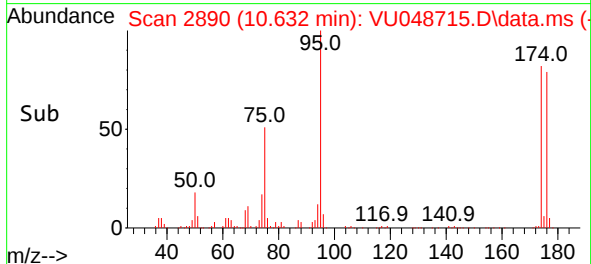
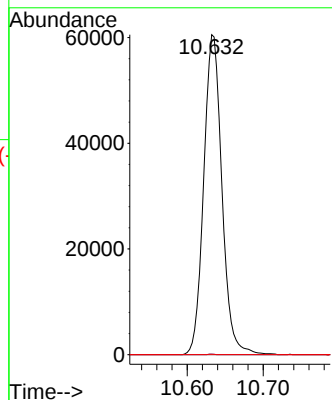
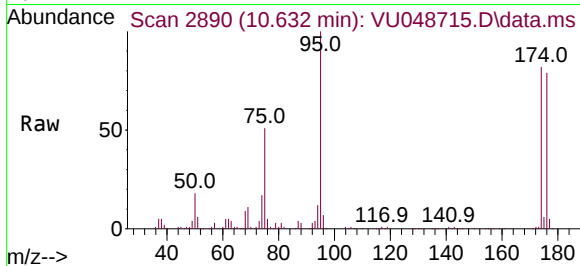




#81
trans-1,4-Dichloro-2-butene
Concen: 52.109 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

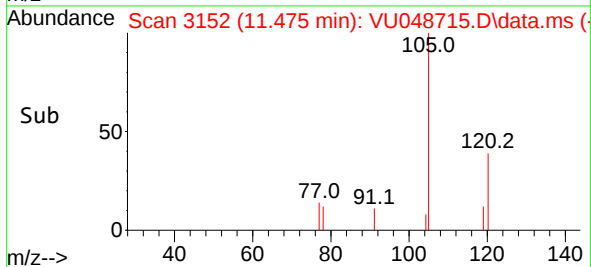
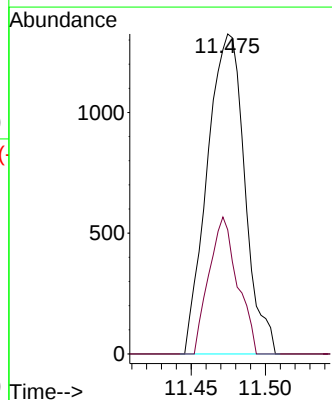
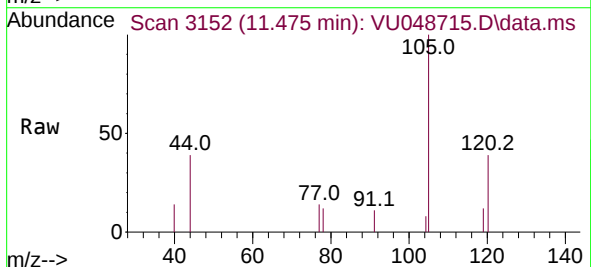
Instrument :
MSVOA_U
ClientSampleId :
TW-8

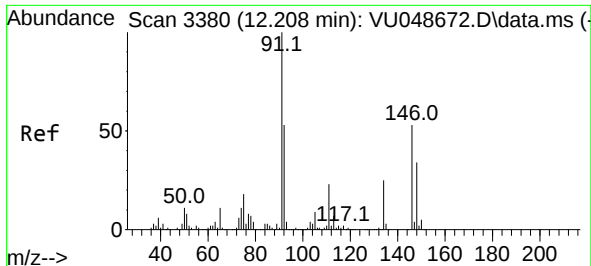
Tgt Ion: 75 Resp: 100868
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.359 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

Tgt Ion: 105 Resp: 2324
Ion Ratio Lower Upper
105 100
120 32.5 22.5 67.5

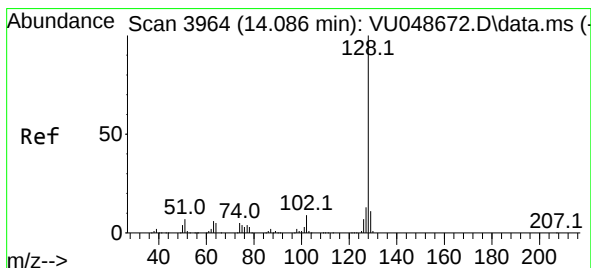
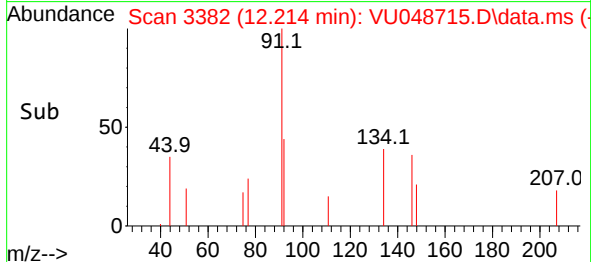
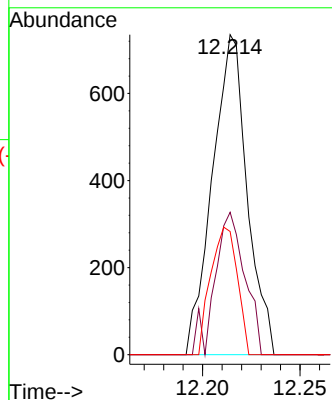
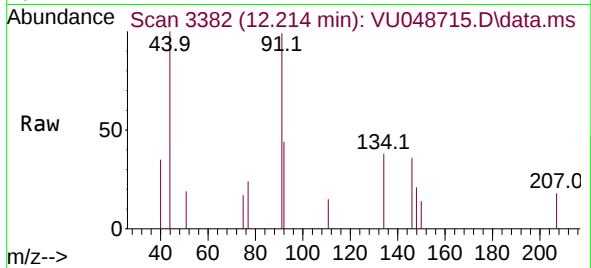




#89
n-Butylbenzene
Concen: 2.254 ug/l
RT: 12.214 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

Instrument :
MSVOA_U
ClientSampleId :
TW-8

Tgt Ion: 91	Resp:	911
Ion	Ratio	Lower Upper
91	100	
92	38.2	25.9 77.8
134	30.4	12.5 37.5



#95
Naphthalene
Concen: 3.047 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.009 min
Lab File: VU048715.D
Acq: 28 May 2022 00:51

Tgt Ion: 128	Resp:	9290
Ion	Ratio	Lower Upper
128	100	
127	11.2	10.2 15.4
129	9.9	8.7 13.1

