

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060122\
 Data File : VU048780.D
 Acq On : 01 Jun 2022 14:33
 Operator : SY/MD
 Sample : N3033-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-2

Quant Time: Jun 02 05:03:34 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)

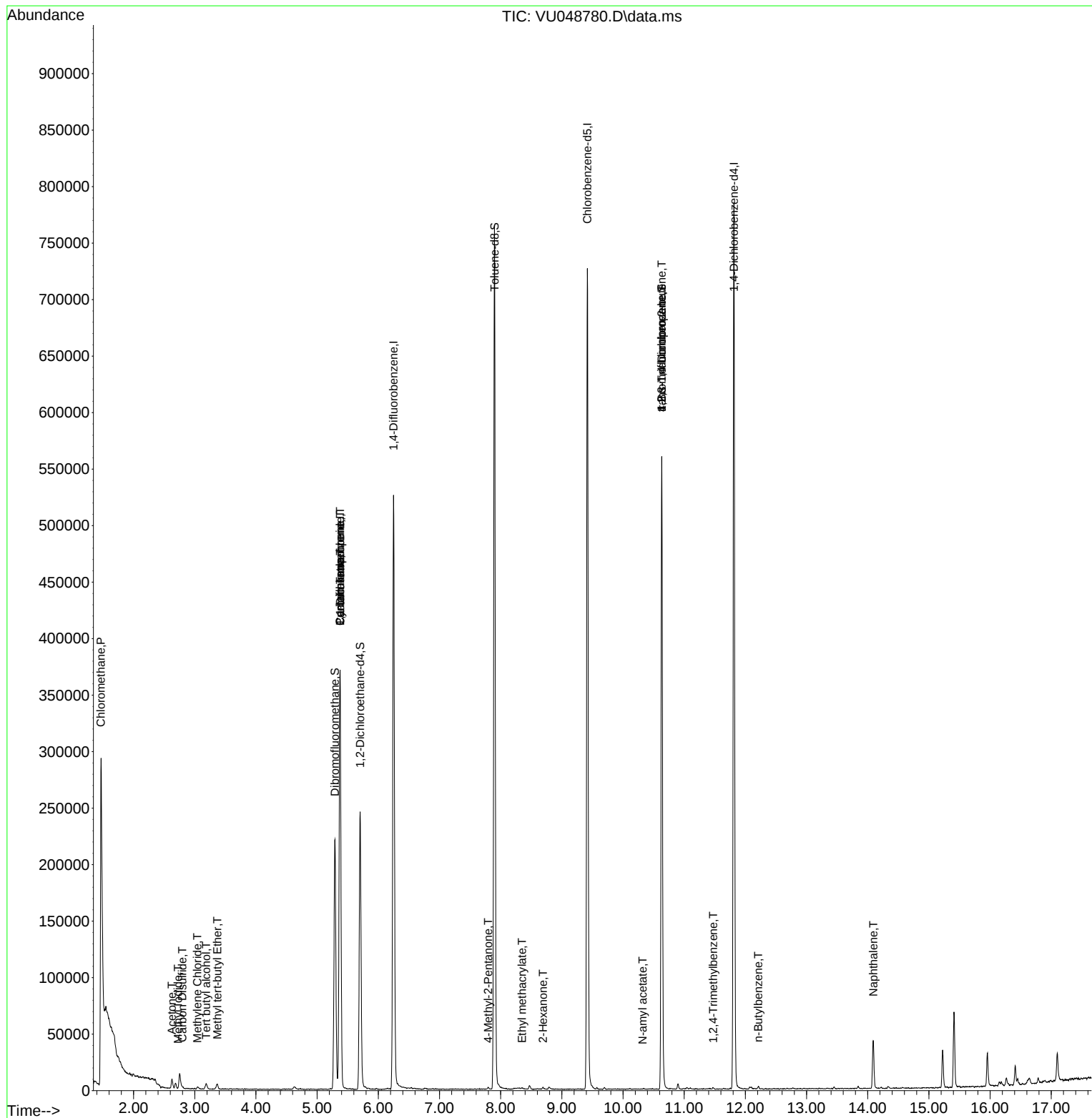
Internal Standards						
1) Pentafluorobenzene	5.375	168	254244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	433795	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	412272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	212670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	185832	48.669	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.340%
35) Dibromofluoromethane	5.288	113	146040	47.189	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.380%
50) Toluene-d8	7.899	98	514925	46.416	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.840%
62) 4-Bromofluorobenzene	10.632	95	192939	45.987	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.980%
Target Compounds						
					Qvalue	
3) Chloromethane	1.465	50	8405	2.243	ug/l #	43
5) Bromomethane	1.861	94	69	Below Cal	#	3
6) Chloroethane	1.938	64	1256	Below Cal	#	51
10) Methyl Iodide	2.726	142	167	3.043	ug/l #	37
11) Tert butyl alcohol	3.189	59	3648	3.768	ug/l #	28
13) Acrolein	2.482	56	74	Below Cal	#	1
16) Acetone	2.626	43	9147	4.701	ug/l	100
17) Carbon Disulfide	2.797	76	1803	0.239	ug/l	96
19) Methyl tert-butyl Ether	3.369	73	4520	0.460	ug/l	92
20) Methylene Chloride	3.041	84	690	0.209	ug/l #	85
31) Cyclohexane	5.375	56	4990	1.037	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	20766	4.597	ug/l #	50
38) Carbon Tetrachloride	5.375	117	26859	5.183	ug/l #	16
51) 4-Methyl-2-Pentanone	7.796	43	1616	0.300	ug/l #	77
56) Ethyl methacrylate	8.349	69	40	2.620	ug/l #	1
59) 2-Hexanone	8.693	43	1450	0.328	ug/l	86
74) N-amyl acetate	10.320	43	132	2.485	ug/l #	50
76) 1,2,3-Trichloropropane	10.632	75	97466	14.214	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	97466	51.610	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	1093	1.270	ug/l	99
89) n-Butylbenzene	12.211	91	783	2.246	ug/l	99
95) Naphthalene	14.092	128	38538	4.718	ug/l	98

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

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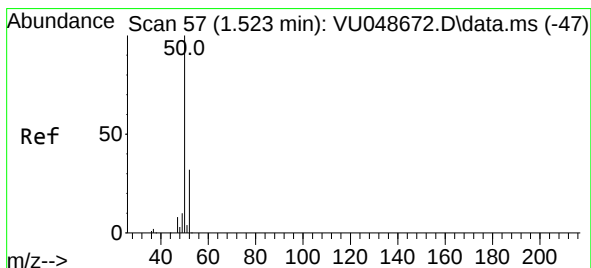
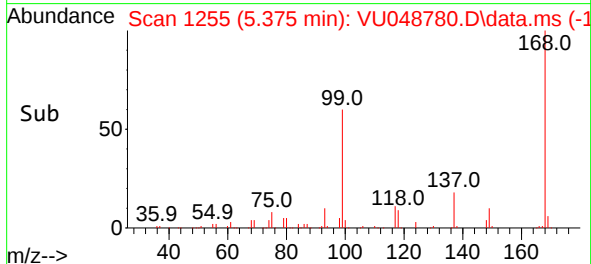
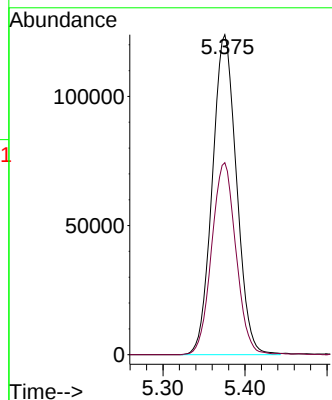
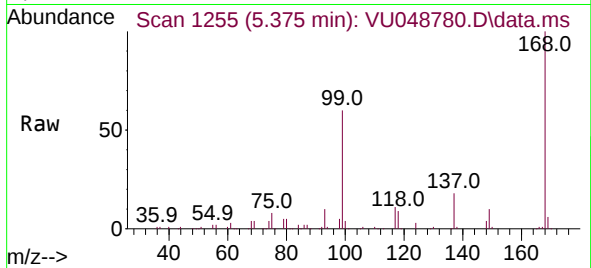




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

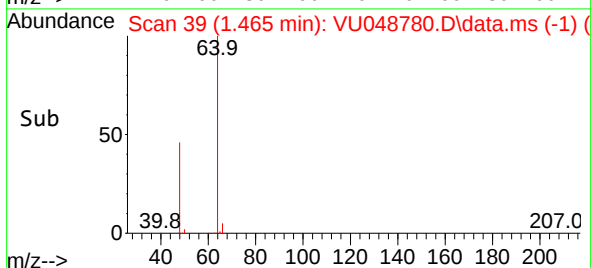
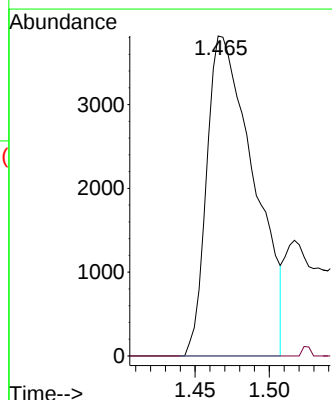
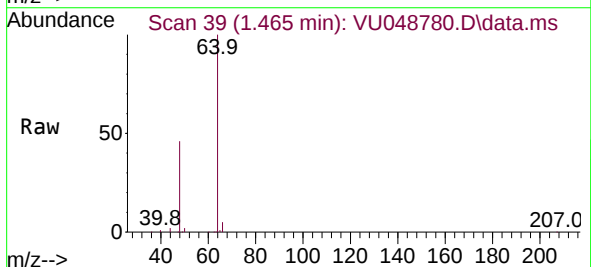
Instrument :
MSVOA_U
ClientSampleId :
TW-2

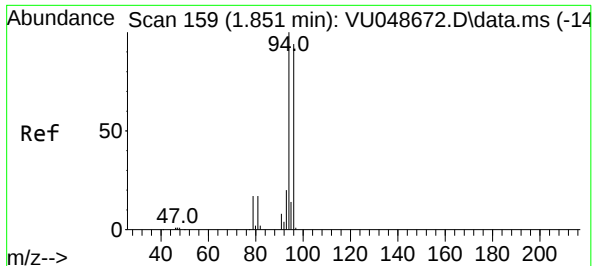
Tgt Ion:168 Resp: 254244
Ion Ratio Lower Upper
168 100
99 60.0 49.3 73.9



#3
Chloromethane
Concen: 2.243 ug/l
RT: 1.465 min Scan# 39
Delta R.T. -0.058 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Tgt Ion: 50 Resp: 8405
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

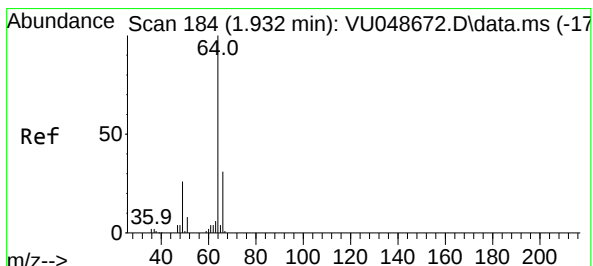
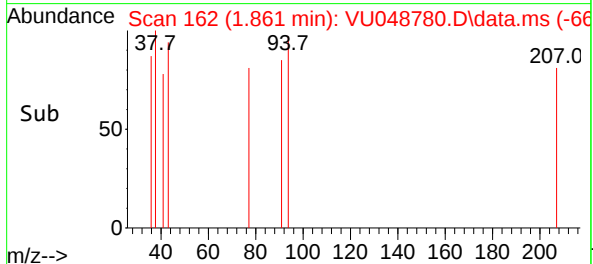
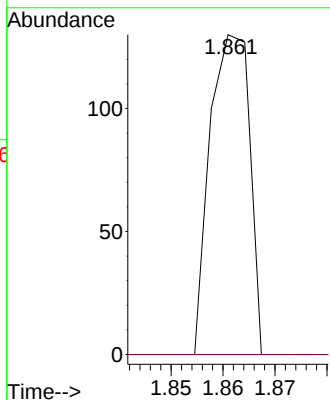
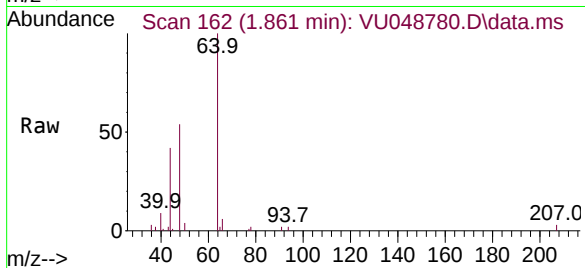




#5
Bromomethane
Concen: Below Cal
RT: 1.861 min Scan# 1
Delta R.T. 0.010 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

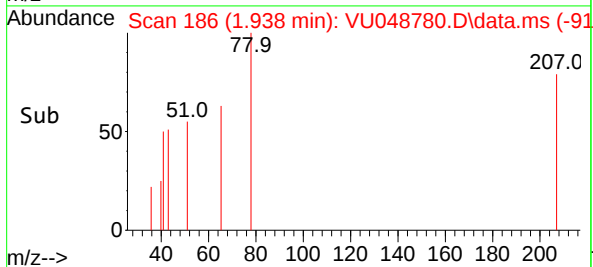
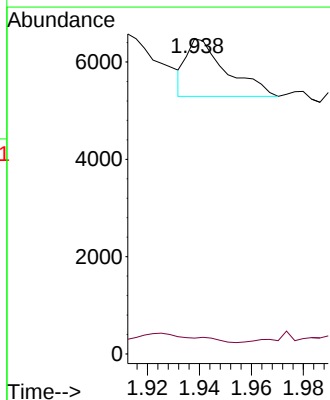
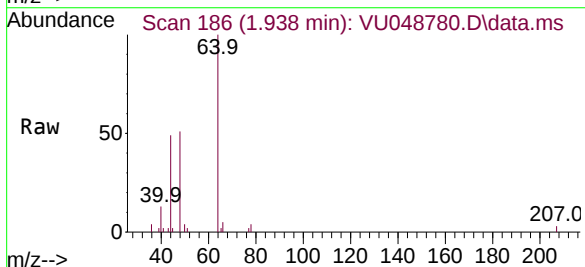
Instrument :
MSVOA_U
ClientSampleId :
TW-2

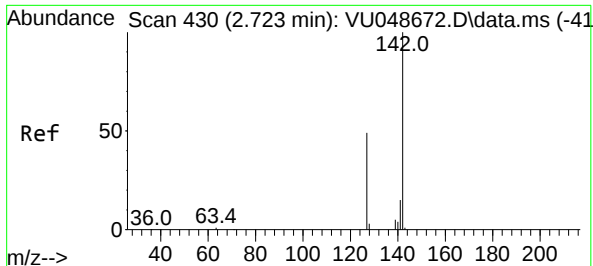
Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 186
Delta R.T. 0.006 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Tgt Ion: 64 Resp: 1256
Ion Ratio Lower Upper
64 100
66 4.4 25.2 37.8#





#10

Methyl Iodide

Concen: 3.043 ug/l

RT: 2.726 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU048780.D

Acq: 01 Jun 2022 14:33

Instrument :

MSVOA_U

ClientSampleId :

TW-2

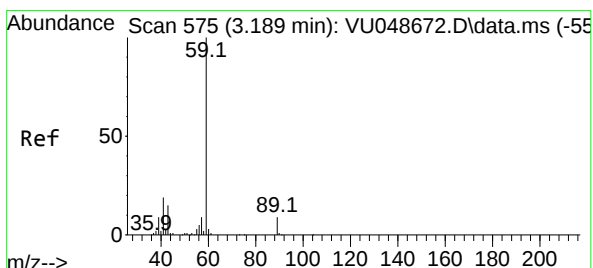
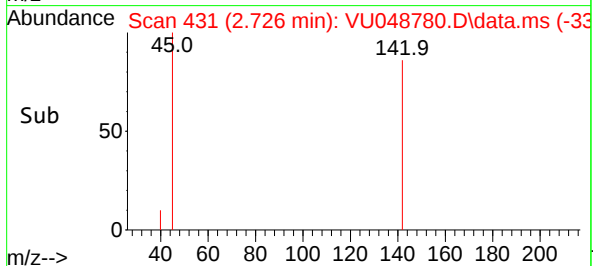
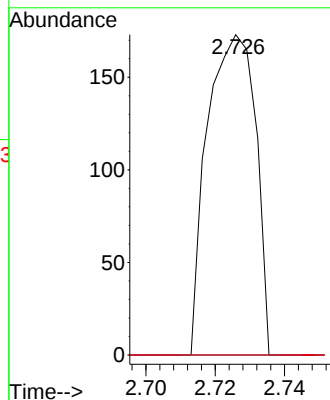
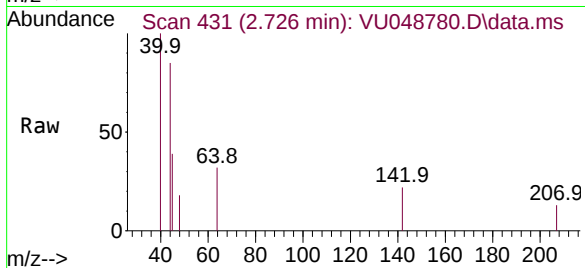
Tgt Ion:142 Resp: 167

Ion Ratio Lower Upper

142 100

127 0.0 38.4 57.6#

141 0.0 11.5 17.3#



#11

Tert butyl alcohol

Concen: 3.768 ug/l

RT: 3.189 min Scan# 575

Delta R.T. 0.000 min

Lab File: VU048780.D

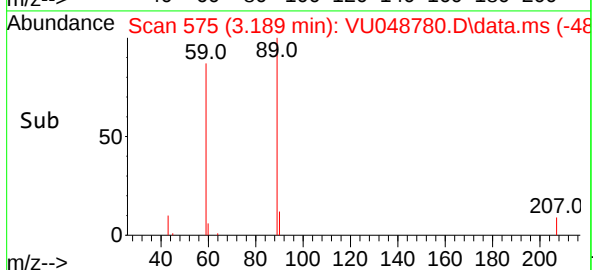
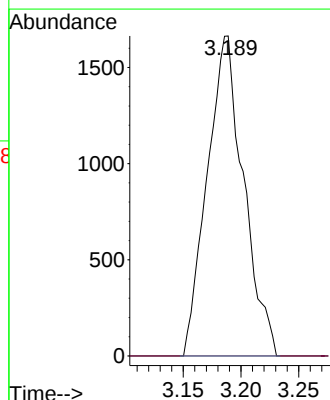
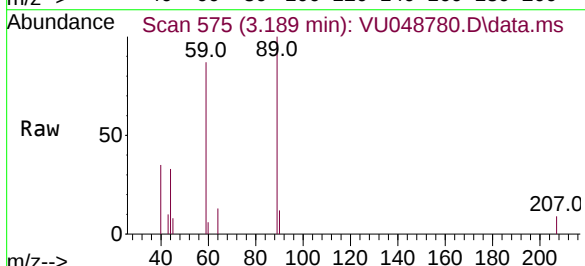
Acq: 01 Jun 2022 14:33

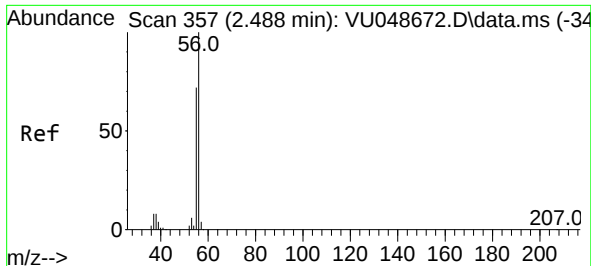
Tgt Ion: 59 Resp: 3648

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#

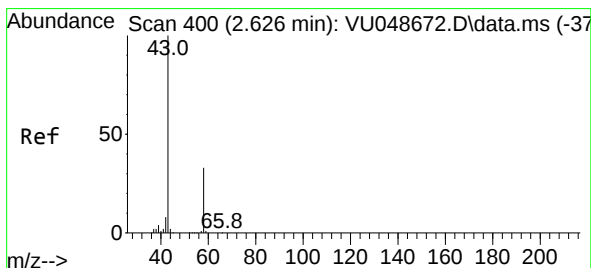
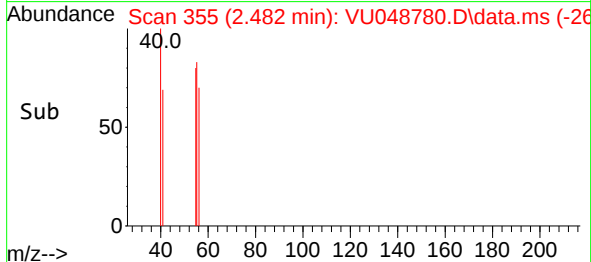
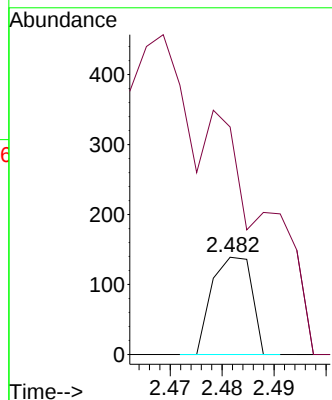
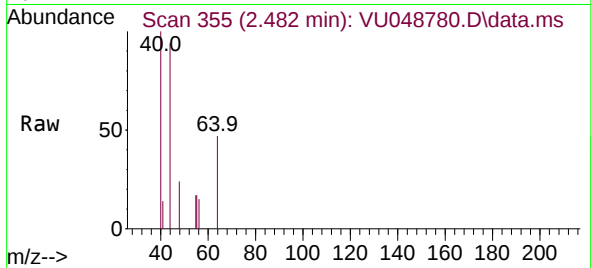




#13
Acrolein
Concen: Below Cal
RT: 2.482 min Scan# 31
Delta R.T. -0.006 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

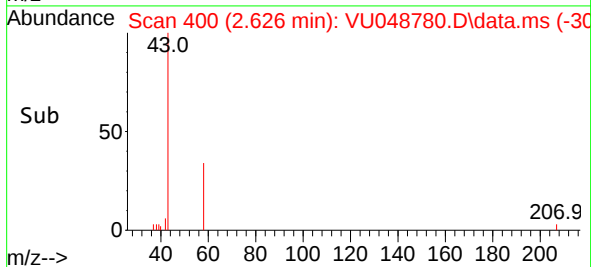
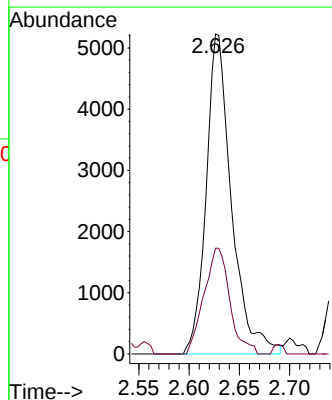
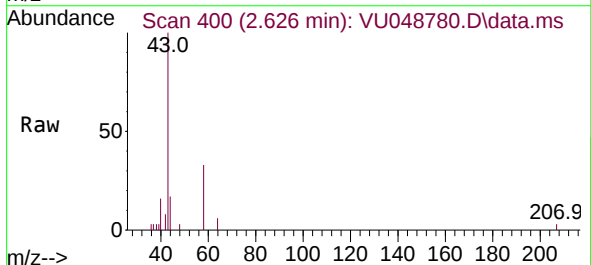
Instrument :
MSVOA_U
ClientSampleId :
TW-2

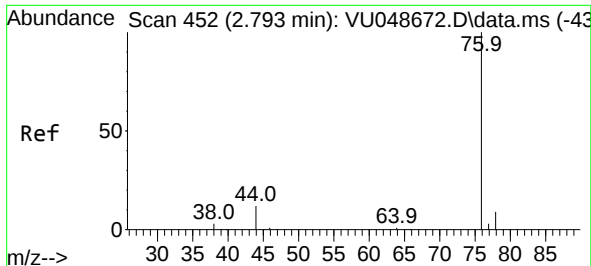
Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 1036.5 57.7 86.5#



#16
Acetone
Concen: 4.701 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Tgt Ion: 43 Resp: 9147
Ion Ratio Lower Upper
43 100
58 33.1 26.3 39.5





#17

Carbon Disulfide

Concen: 0.239 ug/l

RT: 2.797 min Scan# 4

Delta R.T. 0.003 min

Lab File: VU048780.D

Acq: 01 Jun 2022 14:33

Instrument :

MSVOA_U

ClientSampleId :

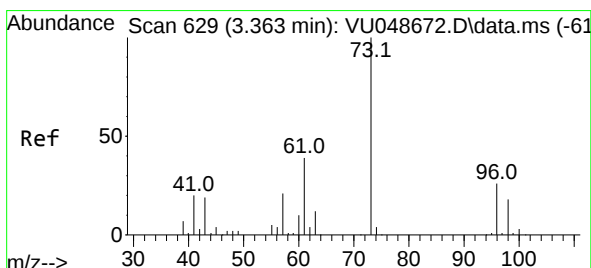
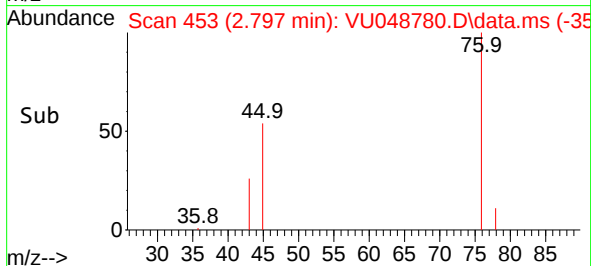
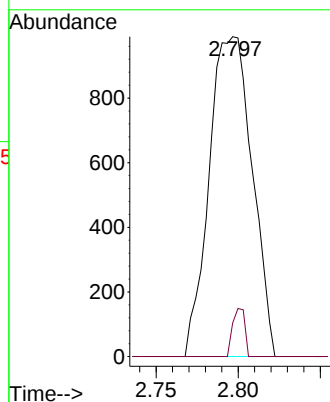
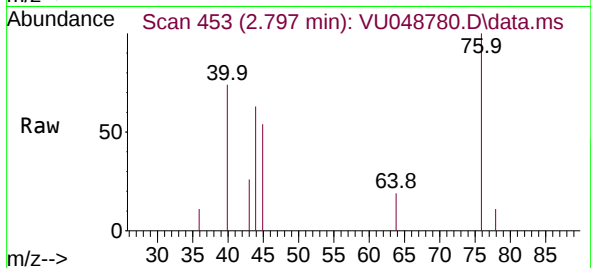
TW-2

Tgt Ion: 76 Resp: 1803

Ion Ratio Lower Upper

76 100

78 10.5 7.3 10.9



#19

Methyl tert-butyl Ether

Concen: 0.460 ug/l

RT: 3.369 min Scan# 631

Delta R.T. 0.006 min

Lab File: VU048780.D

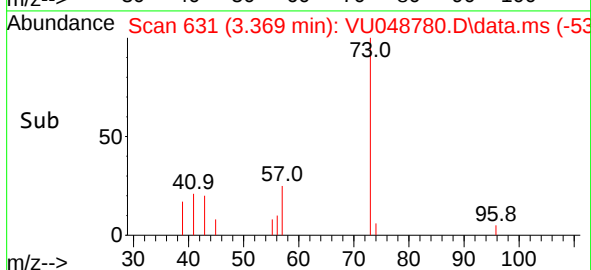
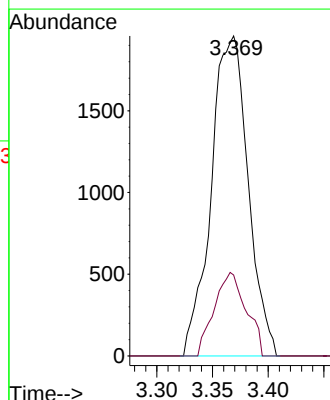
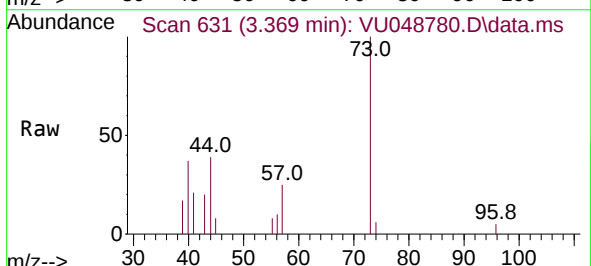
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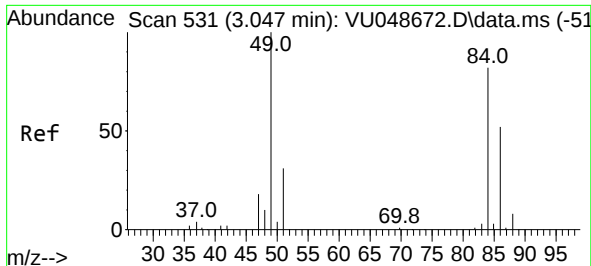
Tgt Ion: 73 Resp: 4520

Ion Ratio Lower Upper

73 100

57 25.3 17.1 25.7

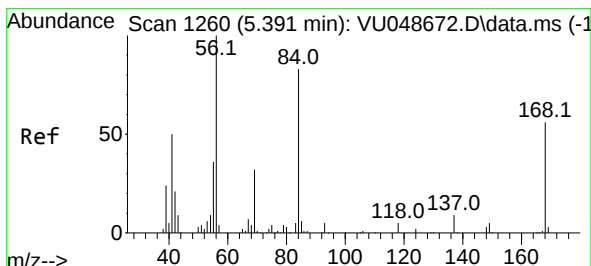
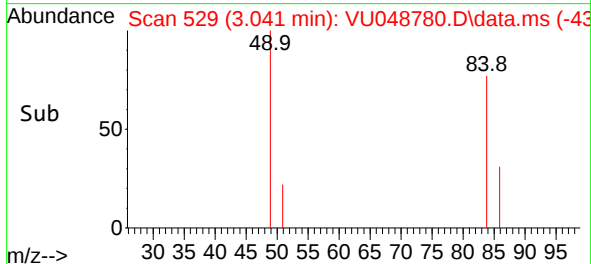
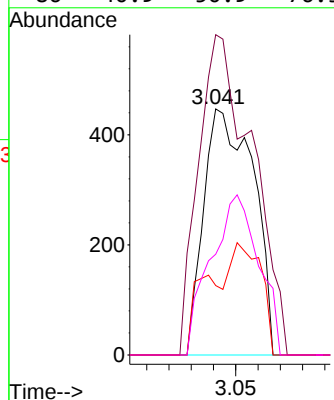
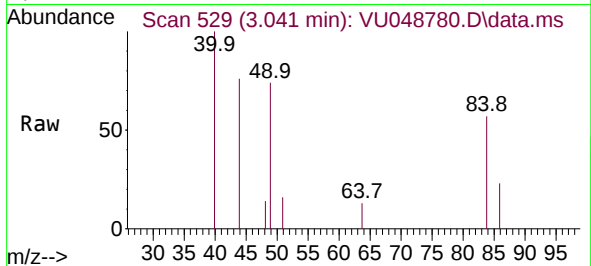




#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

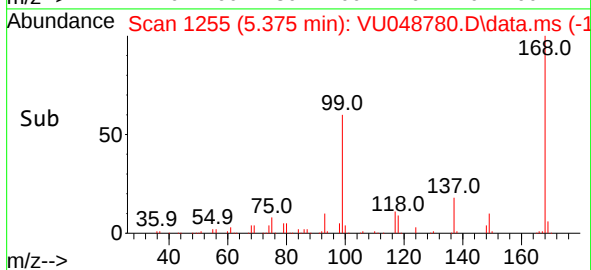
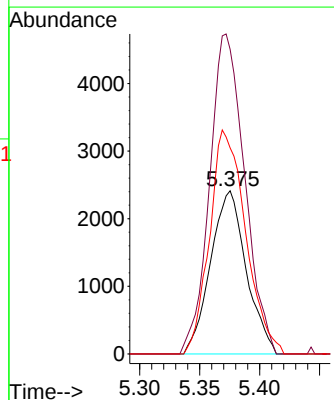
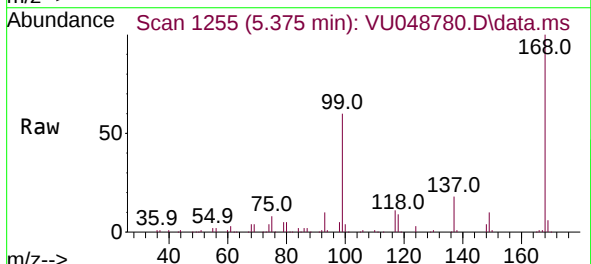
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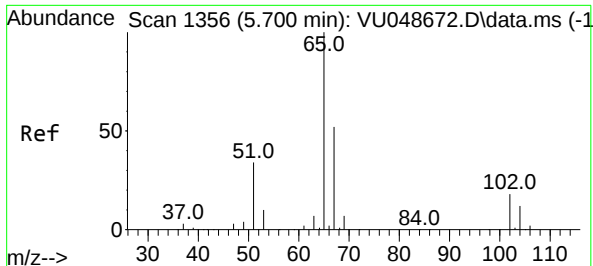
Tgt Ion:	84	Resp:	690
Ion	Ratio	Lower	Upper
84	100		
49	130.2	97.0	145.4
51	28.2	29.8	44.8#
86	40.9	50.9	76.3#



#31
Cyclohexane
Concen: 1.037 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Tgt Ion:	56	Resp:	4990
Ion	Ratio	Lower	Upper
56	100		
69	186.6	25.6	38.4#
84	126.2	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 48.669 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048780.D

Acq: 01 Jun 2022 14:33

Instrument :

MSVOA_U

ClientSampleId :

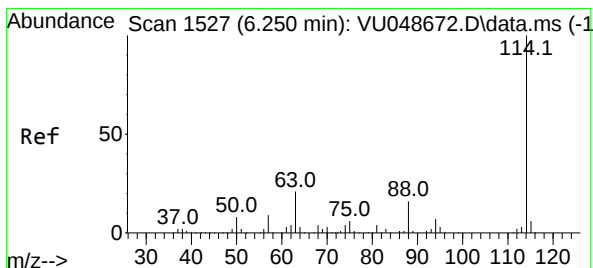
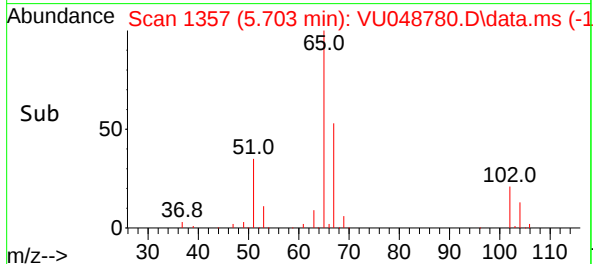
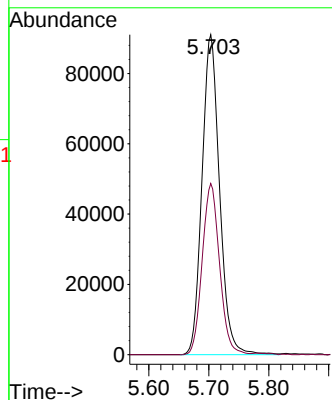
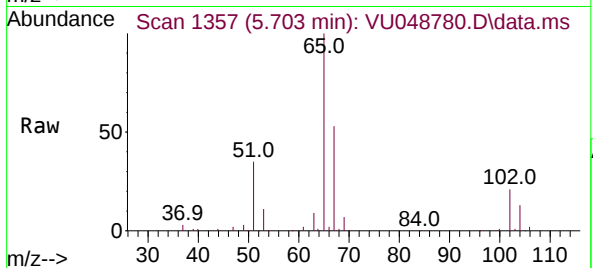
TW-2

Tgt Ion: 65 Resp: 185832

Ion Ratio Lower Upper

65 100

67 52.8 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: VU048780.D

Acq: 01 Jun 2022 14:33

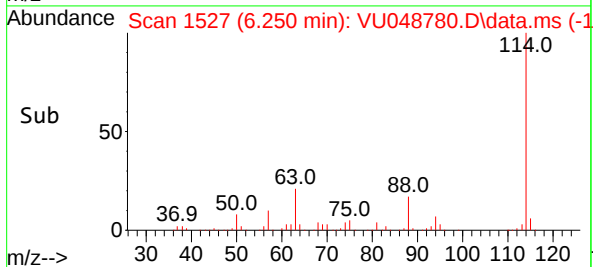
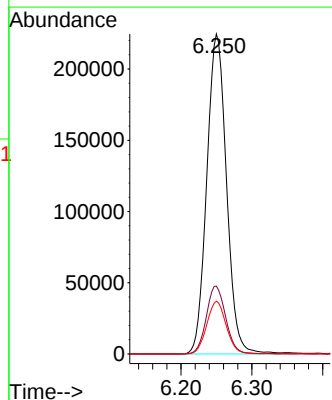
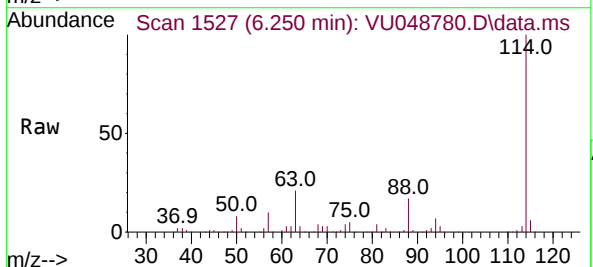
Tgt Ion: 114 Resp: 433795

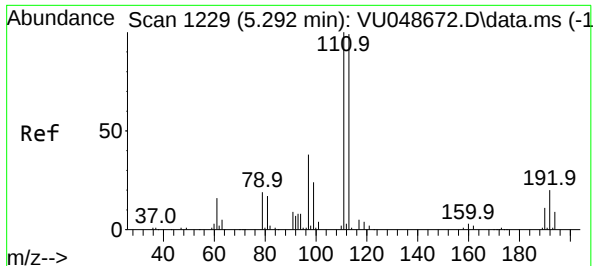
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 16.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.189 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048780.D

Acq: 01 Jun 2022 14:33

Instrument :

MSVOA_U

ClientSampleId :

TW-2

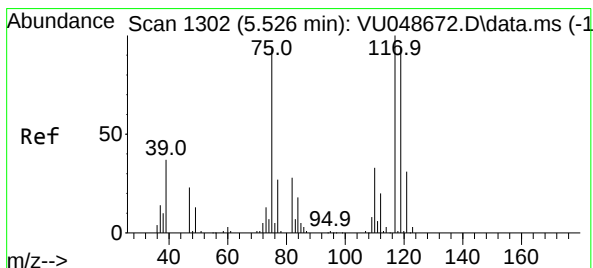
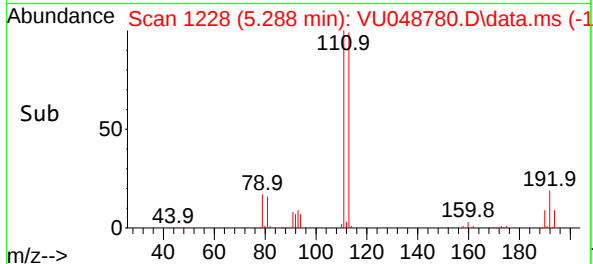
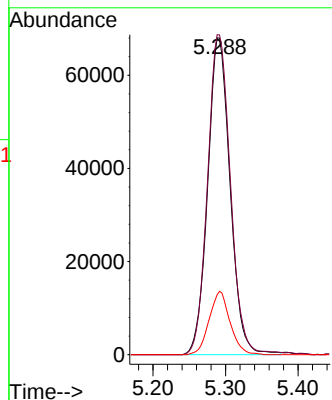
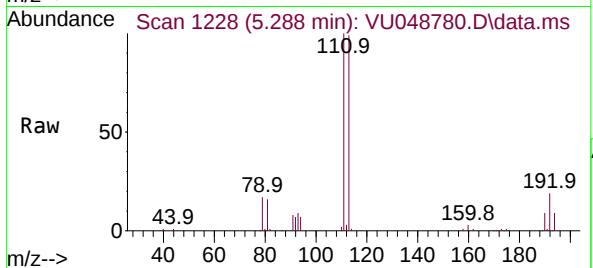
Tgt Ion:113 Resp: 146040

Ion Ratio Lower Upper

113 100

111 103.3 80.7 121.1

192 18.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.597 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048780.D

Acq: 01 Jun 2022 14:33

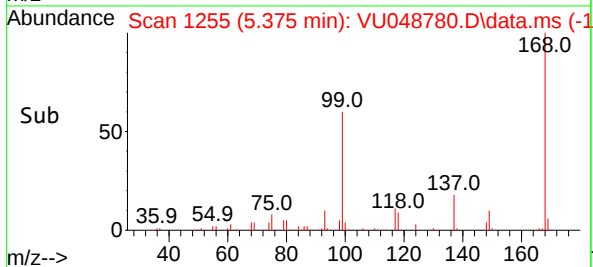
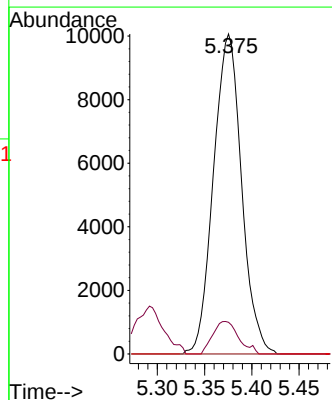
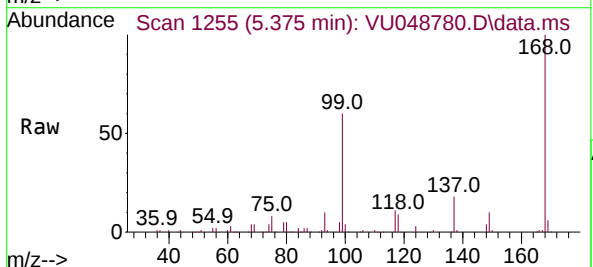
Tgt Ion: 75 Resp: 20766

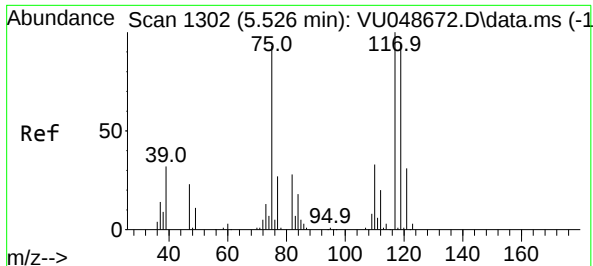
Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.3#

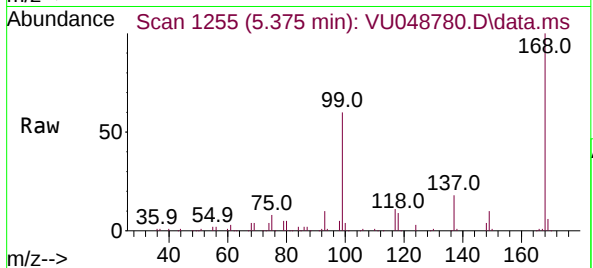
77 0.0 24.8 37.2#



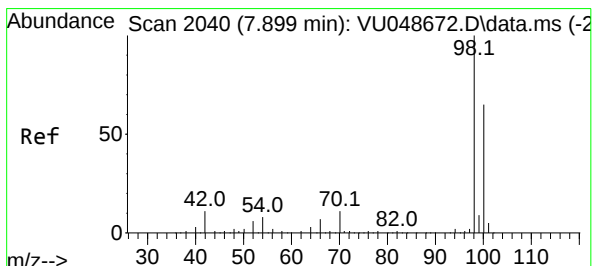
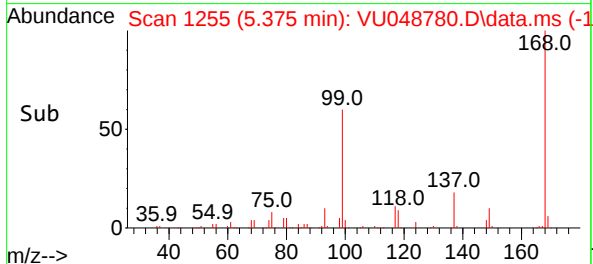
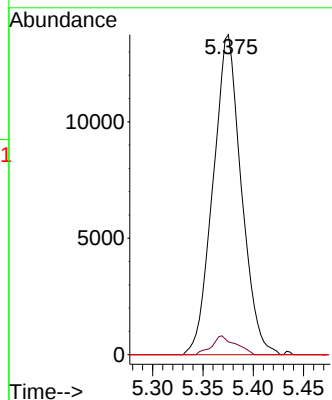


#38
Carbon Tetrachloride
Concen: 5.183 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Instrument :
MSVOA_U
ClientSampleId :
TW-2

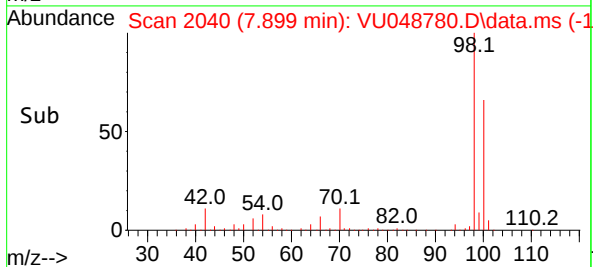
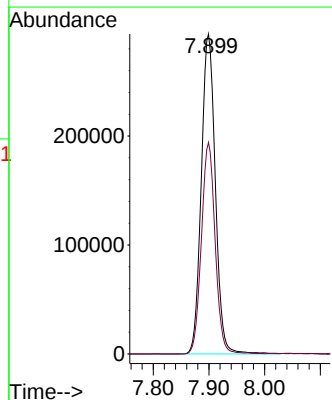
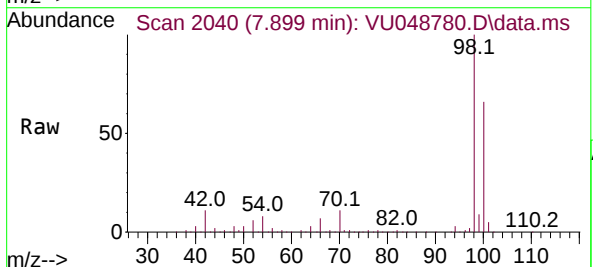


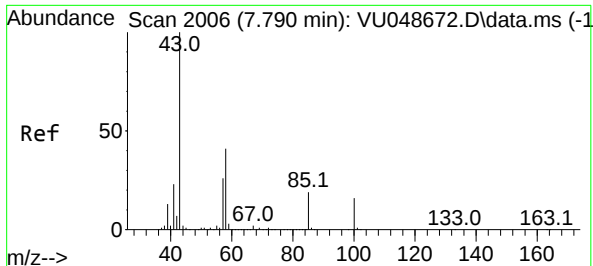
Tgt Ion:117 Resp: 26859
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 46.416 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Tgt Ion: 98 Resp: 514925
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.300 ug/l

RT: 7.796 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VU048780.D

Acq: 01 Jun 2022 14:33

Instrument :

MSVOA_U

ClientSampleId :

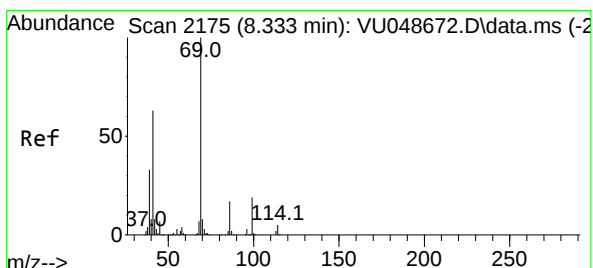
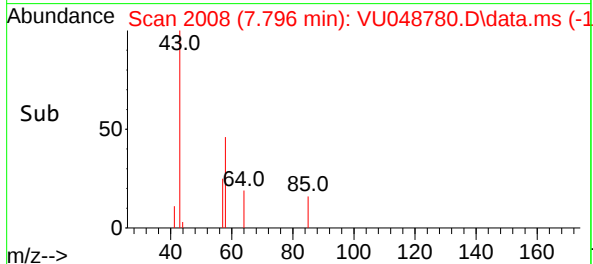
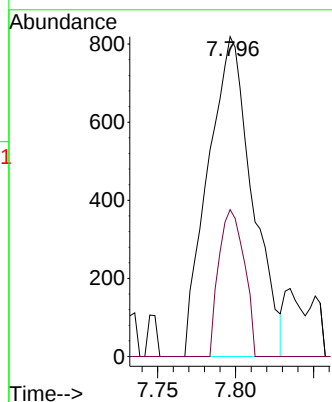
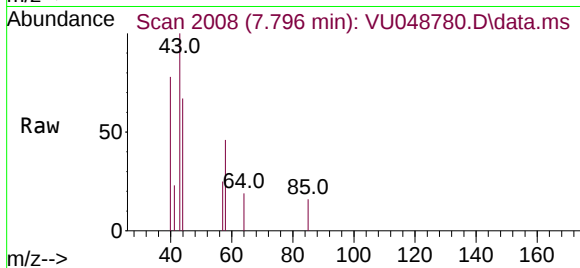
TW-2

Tgt Ion: 43 Resp: 1616

Ion Ratio Lower Upper

43 100

58 26.3 32.7 49.1#



#56

Ethyl methacrylate

Concen: 2.620 ug/l

RT: 8.349 min Scan# 2180

Delta R.T. 0.016 min

Lab File: VU048780.D

Acq: 01 Jun 2022 14:33

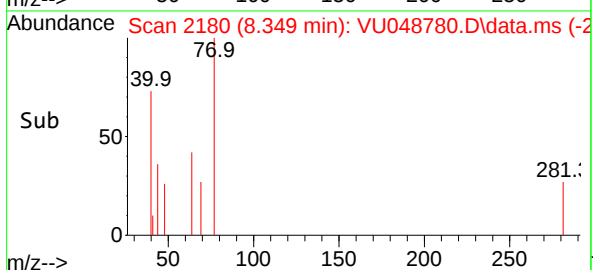
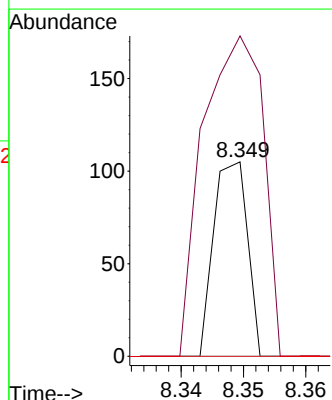
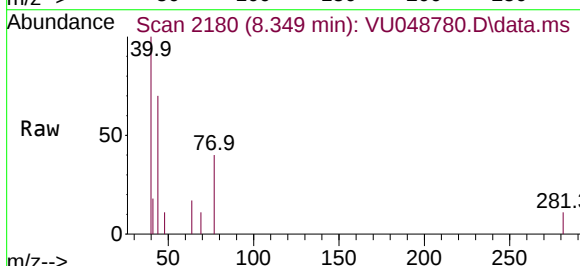
Tgt Ion: 69 Resp: 40

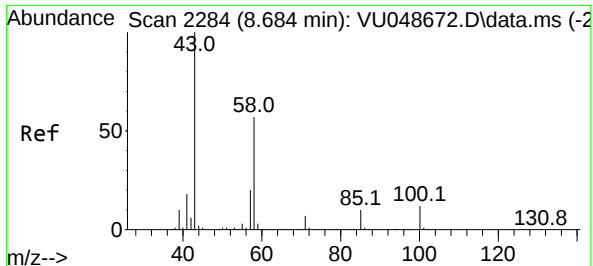
Ion Ratio Lower Upper

69 100

41 290.0 50.6 76.0#

39 0.0 26.6 40.0#





#59

2-Hexanone

Concen: 0.328 ug/l

RT: 8.693 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU048780.D

Acq: 01 Jun 2022 14:33

Instrument :

MSVOA_U

ClientSampleId :

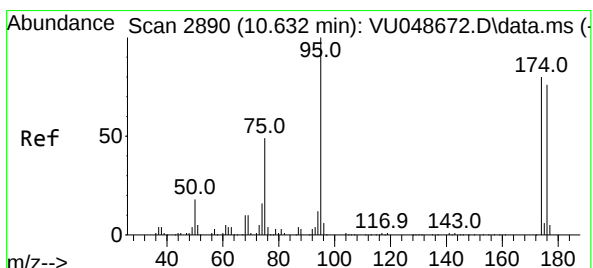
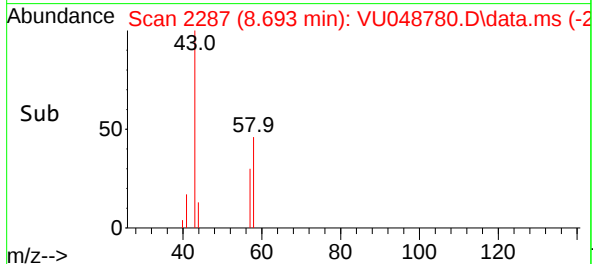
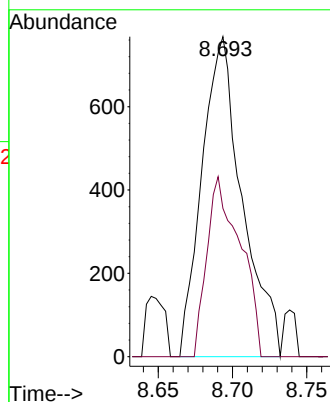
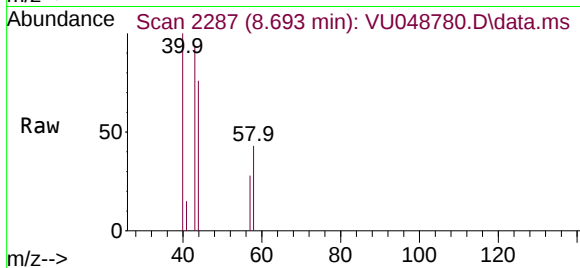
TW-2

Tgt Ion: 43 Resp: 1450

Ion Ratio Lower Upper

43 100

58 46.4 28.2 84.6



#62

4-Bromofluorobenzene

Concen: 45.987 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.000 min

Lab File: VU048780.D

Acq: 01 Jun 2022 14:33

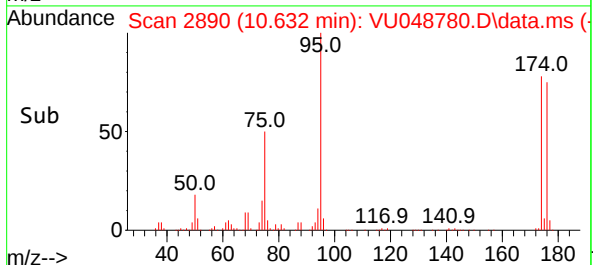
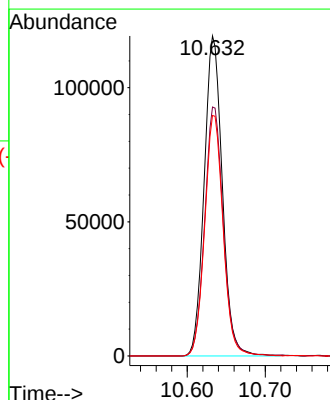
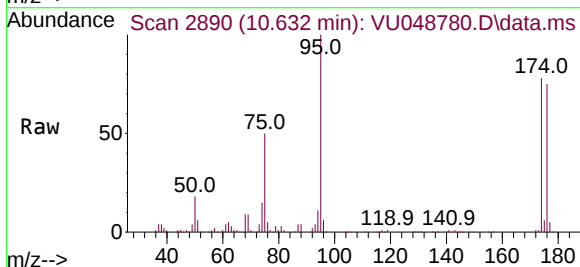
Tgt Ion: 95 Resp: 192939

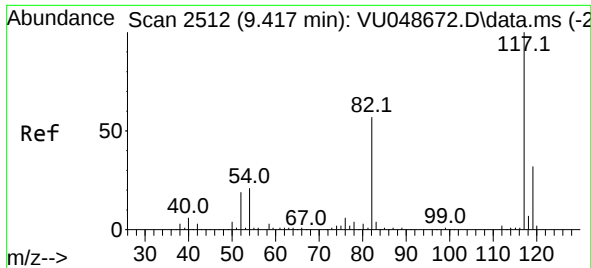
Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.4

176 76.5 0.0 152.4

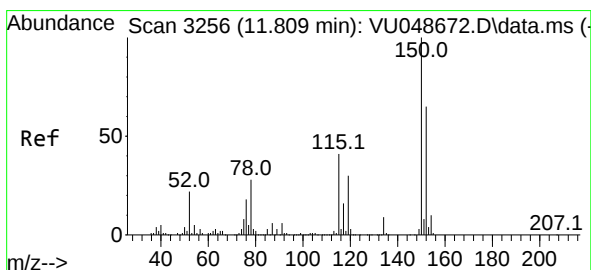
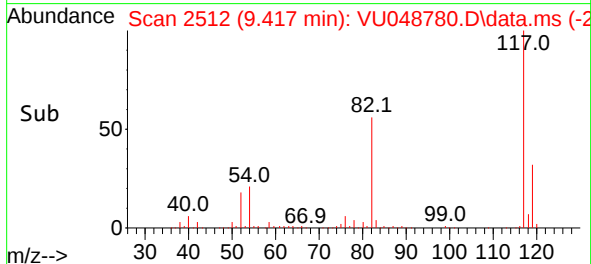
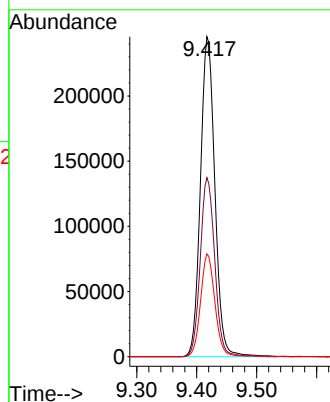
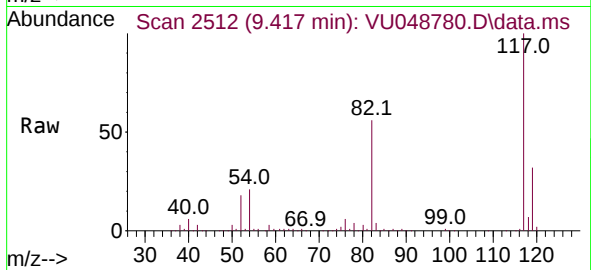




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

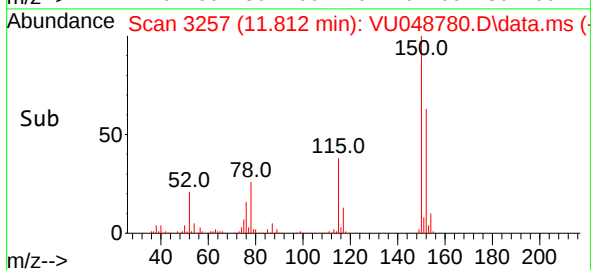
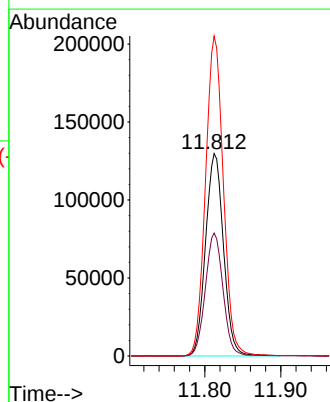
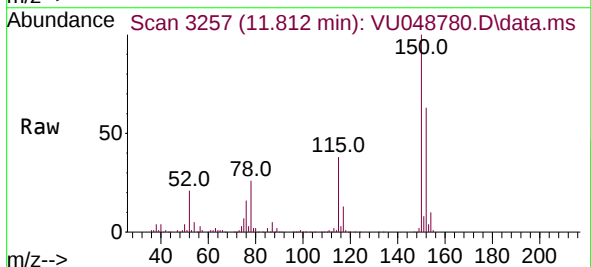
Instrument :
MSVOA_U
ClientSampleId :
TW-2

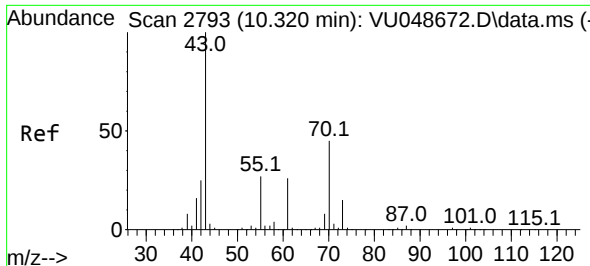
Tgt Ion:117 Resp: 412272
Ion Ratio Lower Upper
117 100
82 56.0 45.3 67.9
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Tgt Ion:152 Resp: 212670
Ion Ratio Lower Upper
152 100
115 59.8 41.8 125.4
150 156.3 0.0 341.0

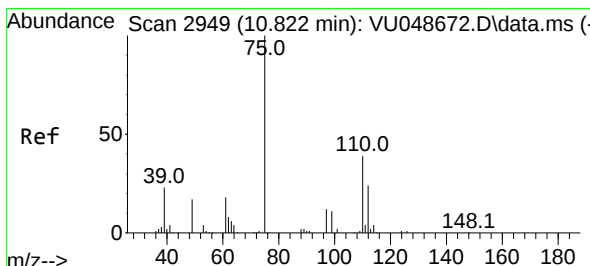
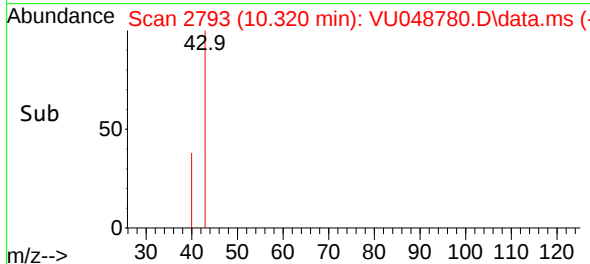
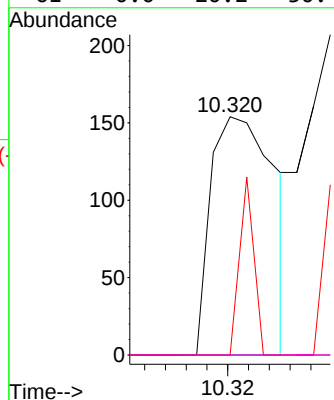
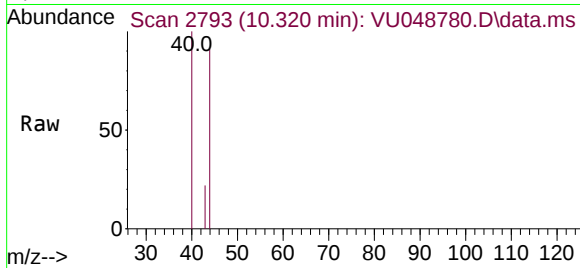




#74
N-amy1 acetate
Concen: 2.485 ug/l
RT: 10.320 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

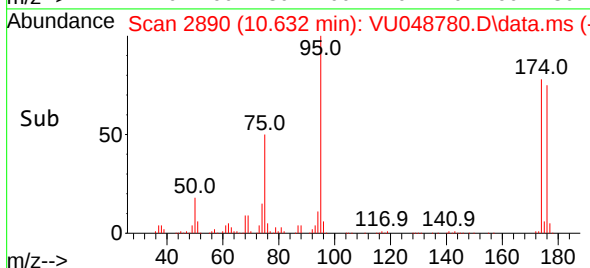
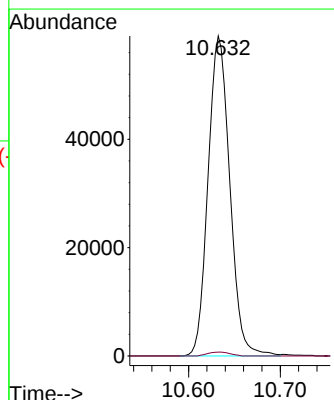
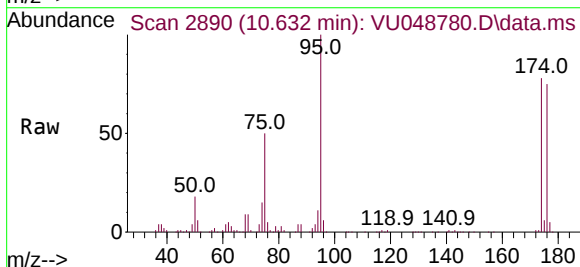
Instrument :
MSVOA_U
ClientSampleId :
TW-2

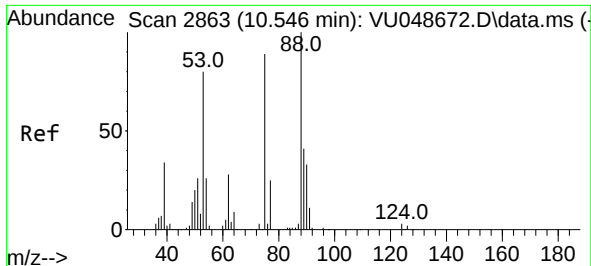
Tgt Ion: 43	Resp: 132
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 16.7	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 14.214 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Tgt Ion: 75	Resp:	97466	
Ion Ratio	Lower	Upper	
75 100			
77 1.2	14.8	44.3#	

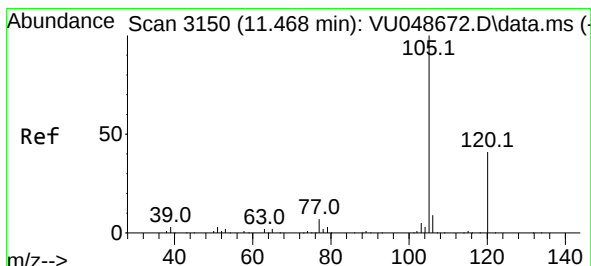
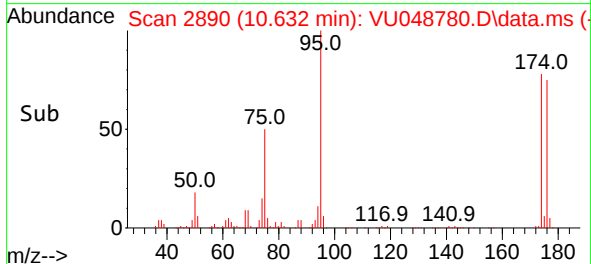
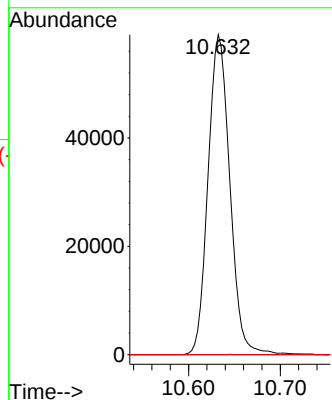
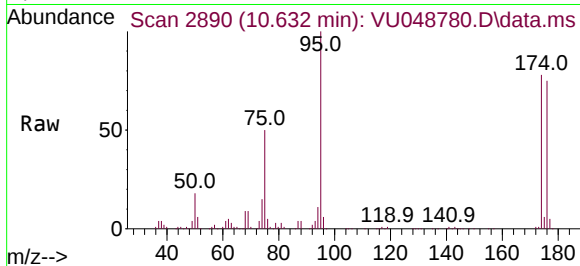




#81
trans-1,4-Dichloro-2-butene
Concen: 51.610 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

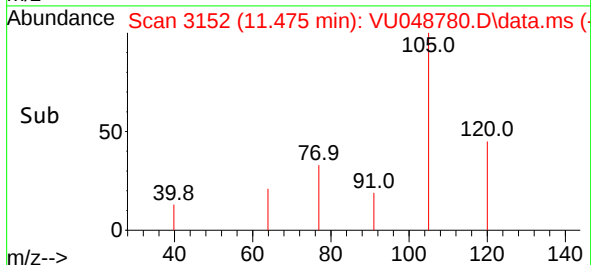
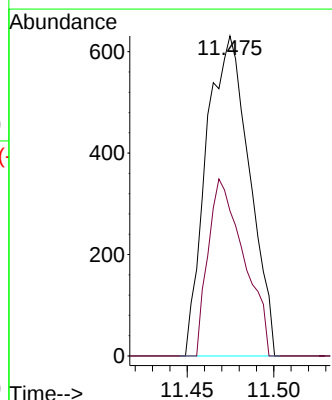
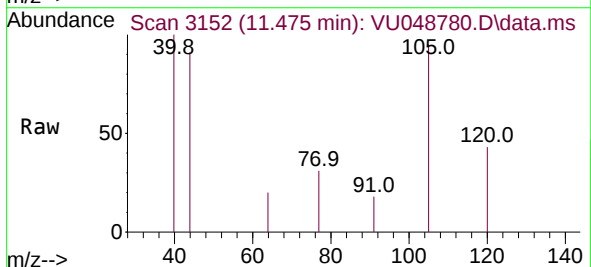
Instrument :
MSVOA_U
ClientSampleId :
TW-2

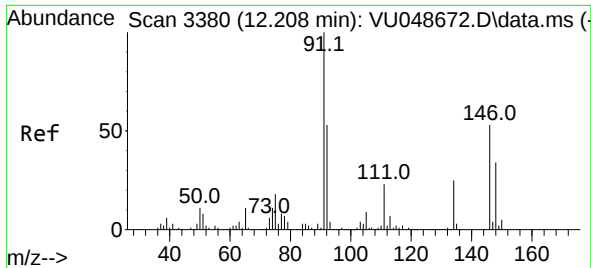
Tgt Ion: 75 Resp: 97466
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.270 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Tgt Ion: 105 Resp: 1093
Ion Ratio Lower Upper
105 100
120 45.7 22.5 67.5

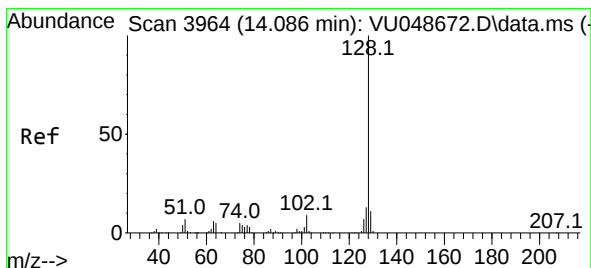
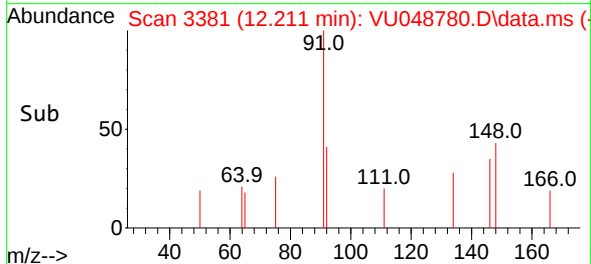
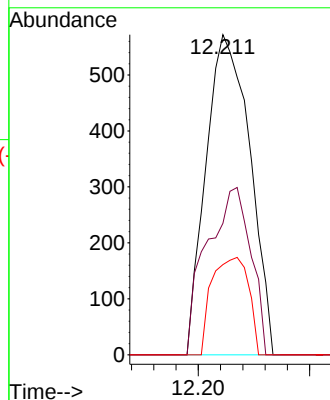
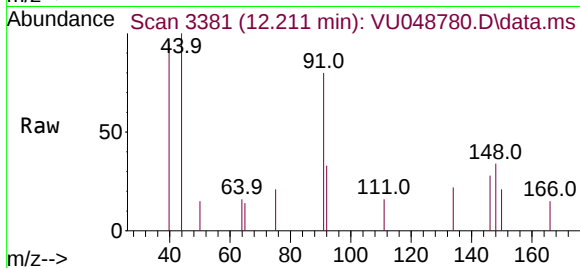




#89
n-Butylbenzene
Concen: 2.246 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Instrument :
MSVOA_U
ClientSampleId :
TW-2

Tgt Ion: 91	Resp:	783	
Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.8
134	25.4	12.5	37.5



#95
Naphthalene
Concen: 4.718 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048780.D
Acq: 01 Jun 2022 14:33

Tgt Ion:128	Resp:	38538	
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	10.2	8.7	13.1

