

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048686.D
 Acq On : 27 May 2022 12:20
 Operator : SY/MD
 Sample : N3056-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

Quant Time: May 28 00:16:59 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)

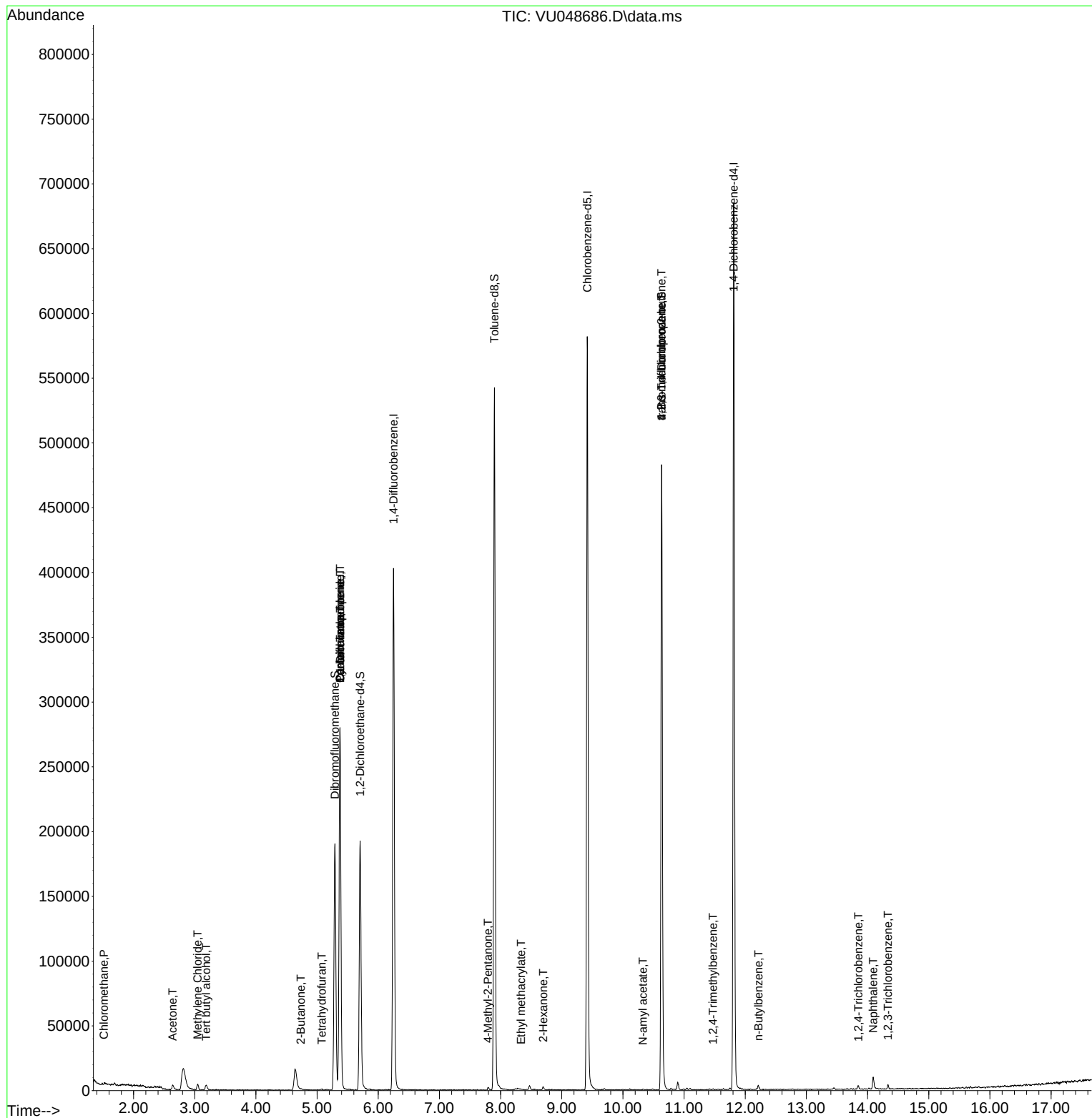
Internal Standards						
1) Pentafluorobenzene	5.375	168	189493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	325892	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	331257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	188378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	152599	53.622	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 107.240%		
35) Dibromofluoromethane	5.292	113	125208	53.853	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 107.700%		
50) Toluene-d8	7.899	98	364218	43.701	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 87.400%#		
62) 4-Bromofluorobenzene	10.632	95	165460	52.495	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 104.980%		
Target Compounds						
						Qvalue
3) Chloromethane	1.517	50	800	0.286	ug/l	99
5) Bromomethane	1.816	94	73	Below Cal	#	3
6) Chloroethane	1.954	64	111	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	2686	3.723	ug/l #	28
16) Acetone	2.639	43	4464	3.078	ug/l	96
20) Methylene Chloride	3.047	84	2048	0.830	ug/l	87
25) 2-Butanone	4.735	43	424	0.204	ug/l #	49
29) Tetrahydrofuran	5.076	42	446	0.340	ug/l #	64
31) Cyclohexane	5.375	56	4091	1.141	ug/l #	5
36) 1,1-Dichloropropene	5.375	75	15763	4.645	ug/l #	48
38) Carbon Tetrachloride	5.375	117	19485	5.005	ug/l #	17
51) 4-Methyl-2-Pentanone	7.793	43	944	0.234	ug/l #	59
56) Ethyl methacrylate	8.337	69	67	2.628	ug/l #	26
59) 2-Hexanone	8.697	43	1884	0.568	ug/l	86
64) Tetrachloroethene	8.555	164	44	Below Cal	#	37
74) N-amyl acetate	10.327	43	389	2.527	ug/l #	52
76) 1,2,3-Trichloropropane	10.632	75	85566	14.088	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.632	75	85566	51.151	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	623	1.240	ug/l	68
89) n-Butylbenzene	12.214	91	1400	2.308	ug/l	93
93) 1,2,4-Trichlorobenzene	13.848	180	1232	0.290	ug/l	96
95) Naphthalene	14.092	128	9780	3.159	ug/l	97
96) 1,2,3-Trichlorobenzene	14.333	180	1164	0.277	ug/l	98

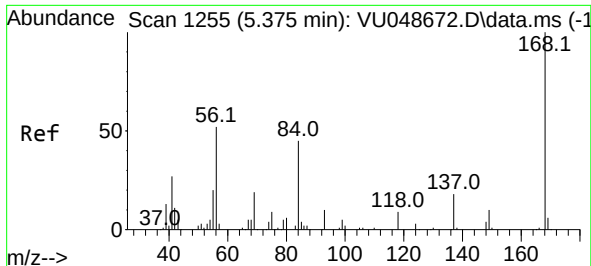
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
Data File : VU048686.D
Acq On : 27 May 2022 12:20
Operator : SY/MD
Sample : N3056-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

Quant Time: May 28 00:16:59 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

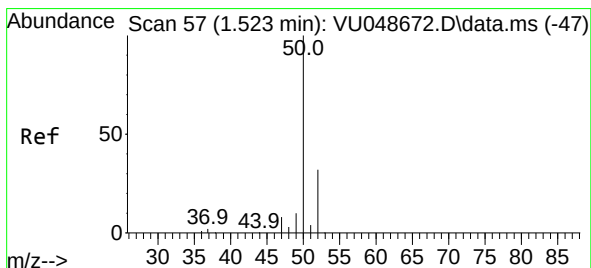
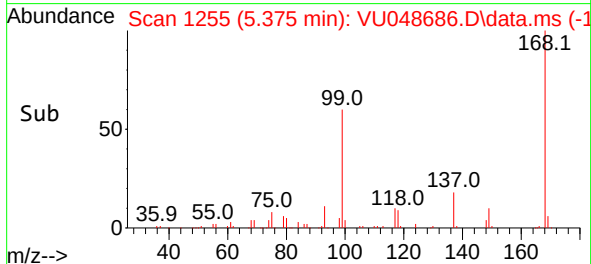
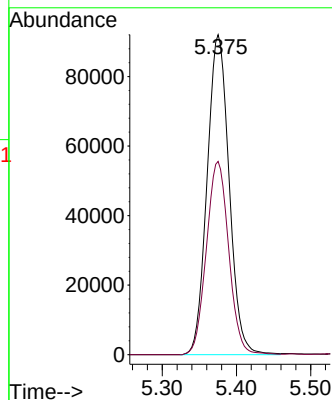
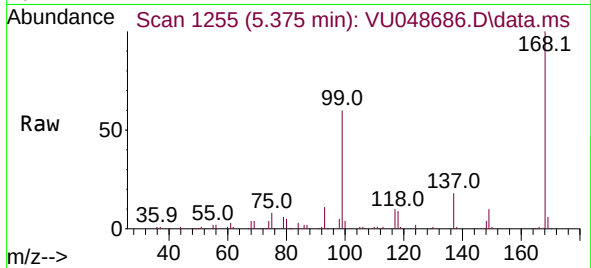




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

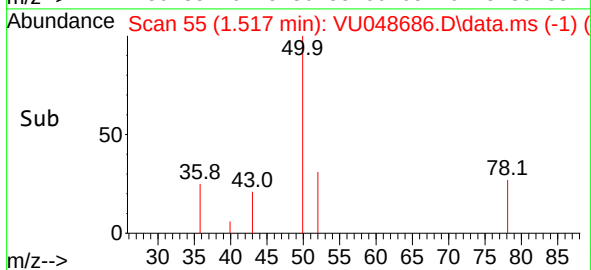
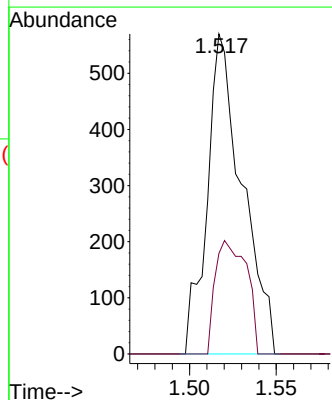
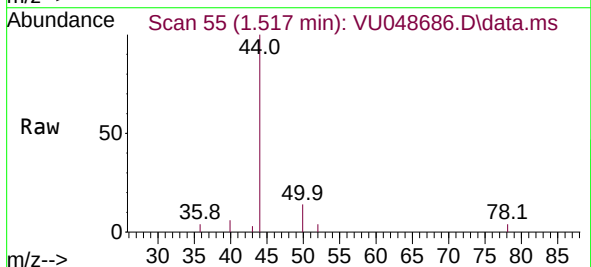
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

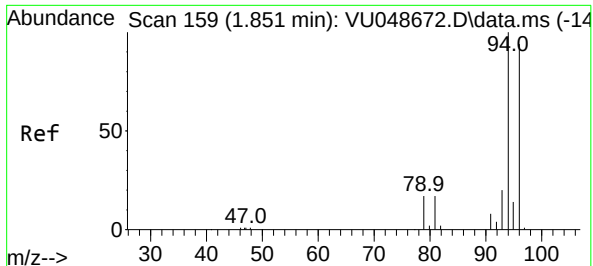
Tgt Ion:168 Resp: 189493
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#3
Chloromethane
Concen: 0.286 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Tgt Ion: 50 Resp: 800
Ion Ratio Lower Upper
50 100
52 31.4 25.7 38.5





#5

Bromomethane

Concen: Below Cal

RT: 1.816 min Scan# 14

Delta R.T. -0.035 min

Lab File: VU048686.D

Acq: 27 May 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

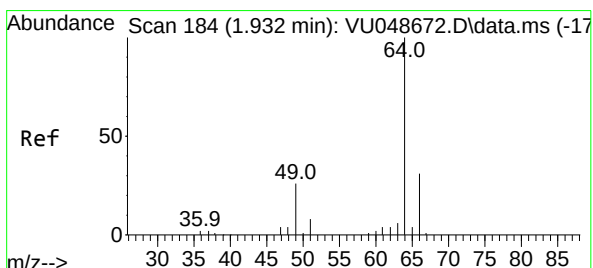
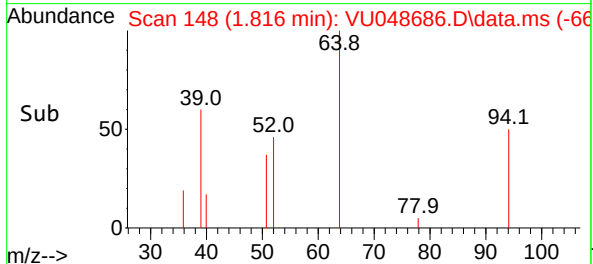
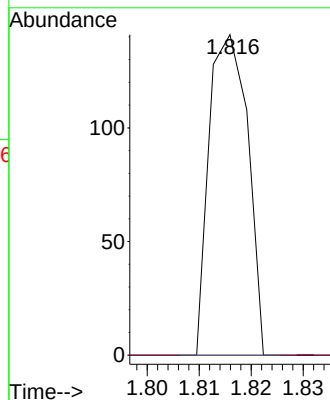
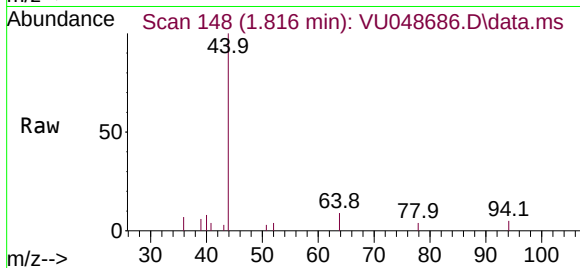
TRIP-BLANK

Tgt Ion: 94 Resp: 73

Ion Ratio Lower Upper

94 100

96 0.0 75.1 112.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.954 min Scan# 191

Delta R.T. 0.022 min

Lab File: VU048686.D

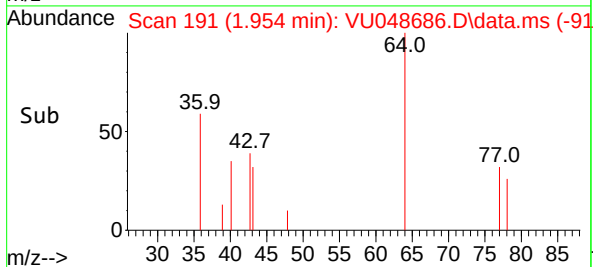
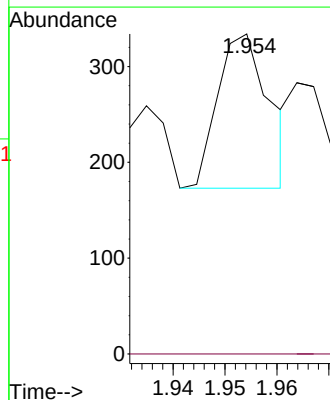
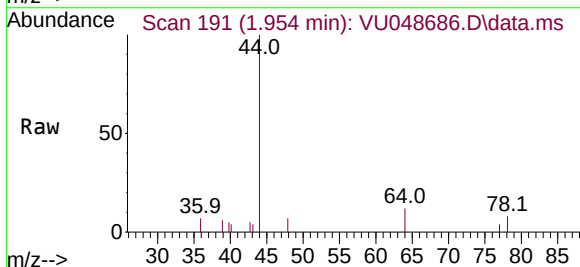
Acq: 27 May 2022 12:20

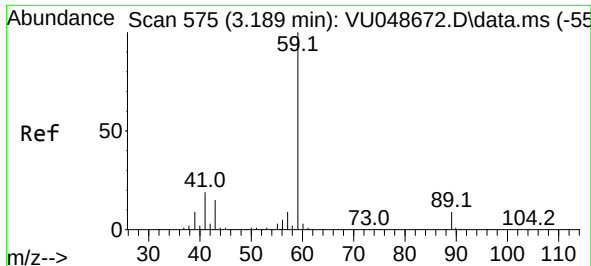
Tgt Ion: 64 Resp: 111

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#





#11

Tert butyl alcohol

Concen: 3.723 ug/l

RT: 3.186 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU048686.D

Acq: 27 May 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

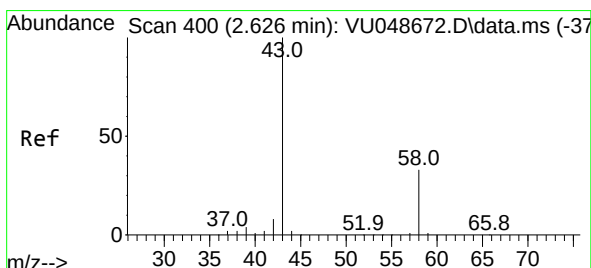
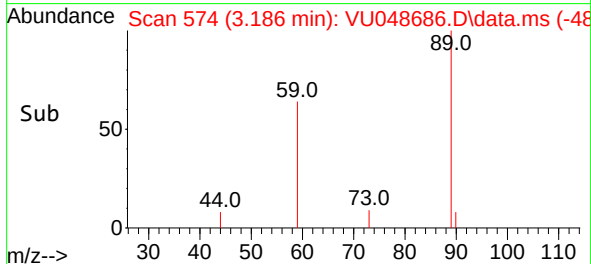
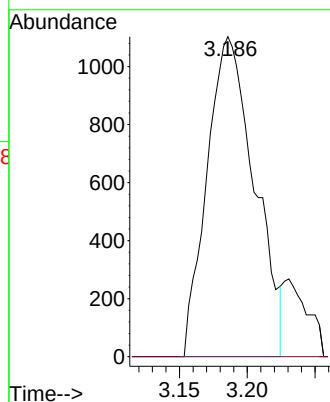
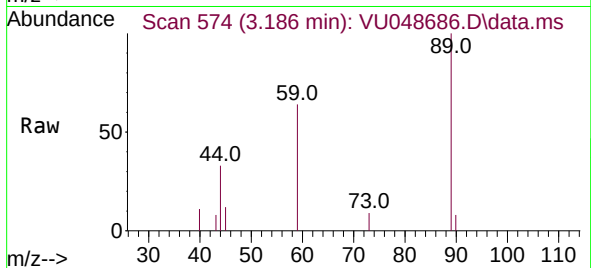
TRIP-BLANK

Tgt Ion: 59 Resp: 2686

Ion Ratio Lower Upper

59 100

57 0.0 39.7 59.5#



#16

Acetone

Concen: 3.078 ug/l

RT: 2.639 min Scan# 404

Delta R.T. 0.013 min

Lab File: VU048686.D

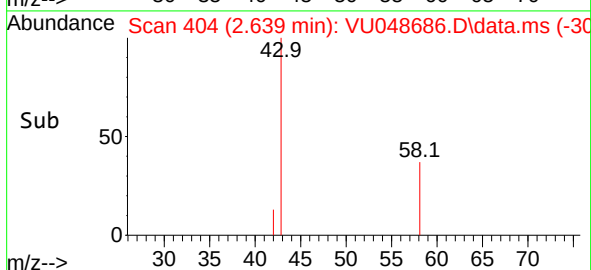
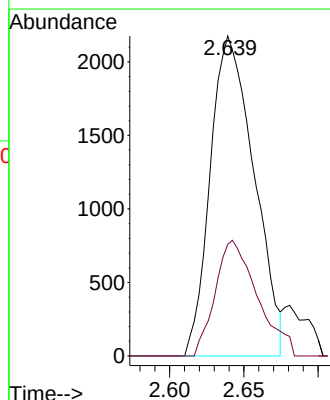
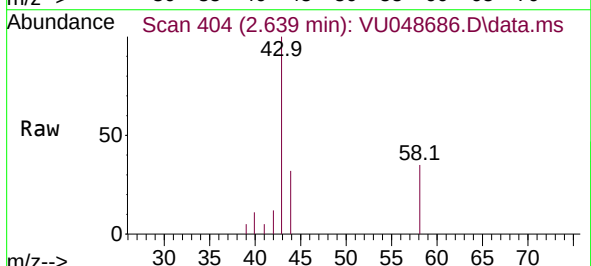
Acq: 27 May 2022 12:20

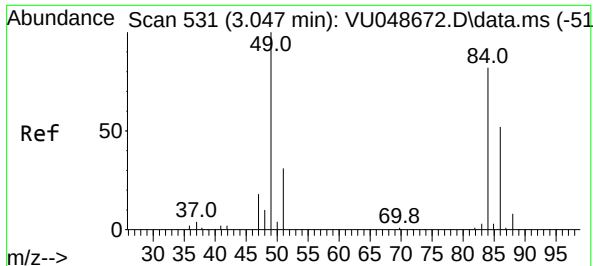
Tgt Ion: 43 Resp: 4464

Ion Ratio Lower Upper

43 100

58 34.9 26.3 39.5

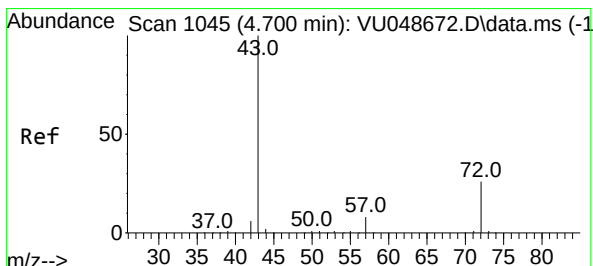
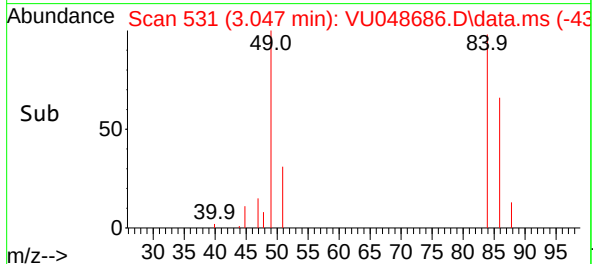
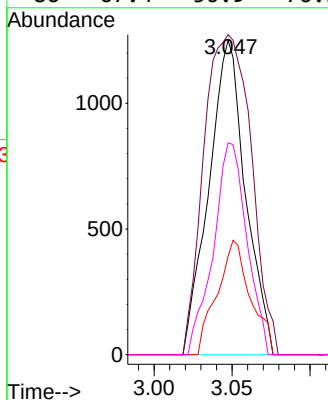
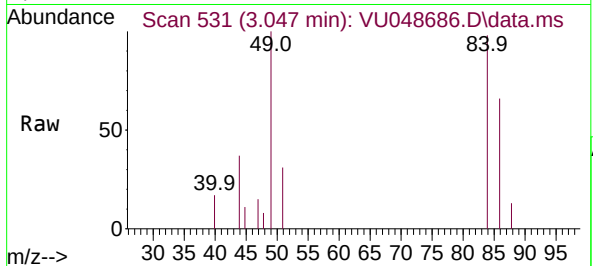




#20
Methylene Chloride
Concen: 0.830 ug/l
RT: 3.047 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

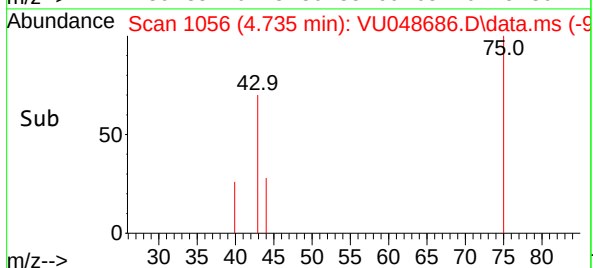
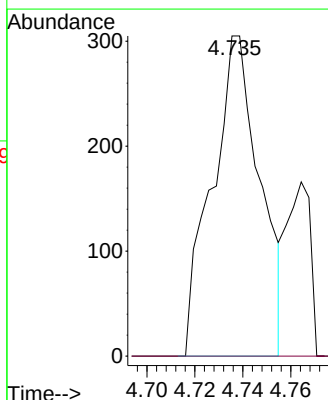
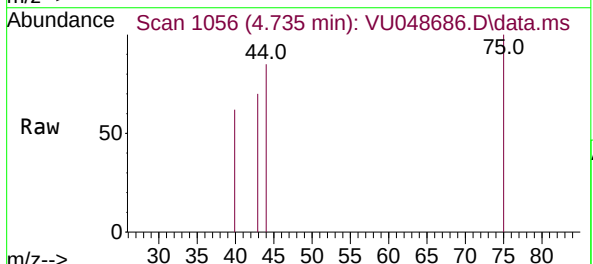
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

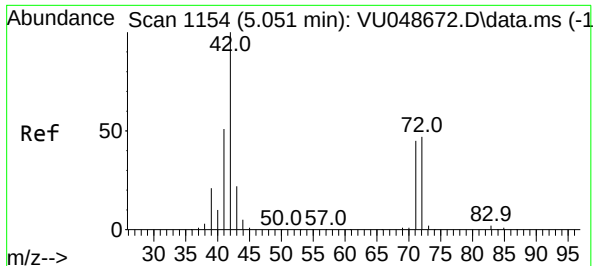
Tgt Ion: 84	Resp:	2048	
Ion	Ratio	Lower	Upper
84	100		
49	101.8	97.0	145.4
51	31.3	29.8	44.8
86	67.4	50.9	76.3



#25
2-Butanone
Concen: 0.204 ug/l
RT: 4.735 min Scan# 1056
Delta R.T. 0.035 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Tgt Ion: 43	Resp:	424	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#

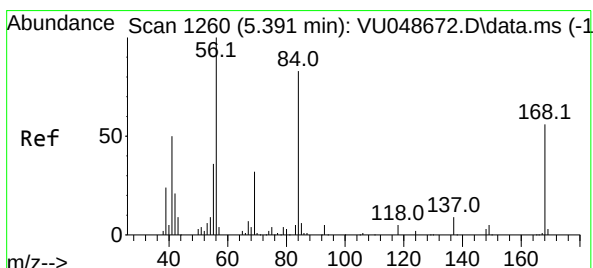
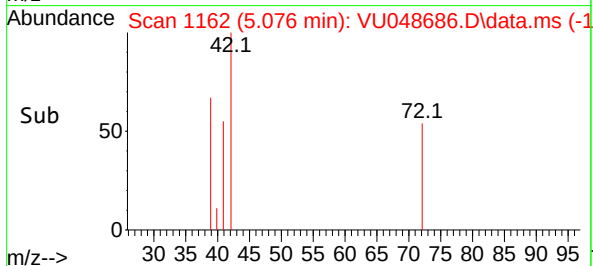
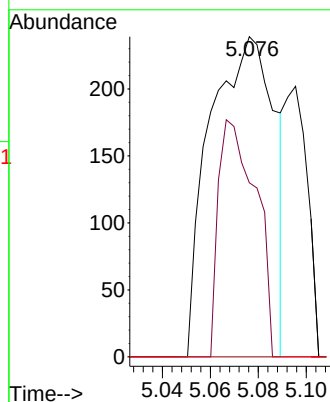
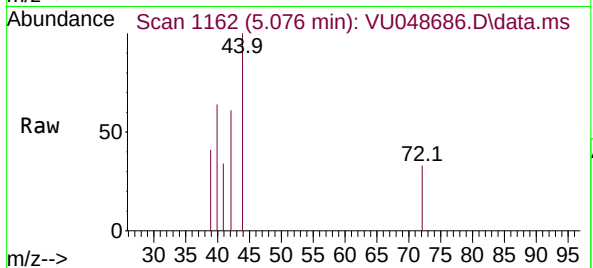




#29
Tetrahydrofuran
Concen: 0.340 ug/l
RT: 5.076 min Scan# 1154
Delta R.T. 0.026 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

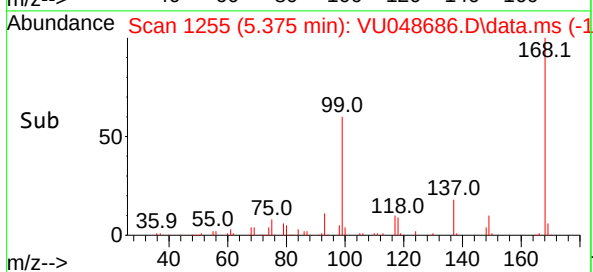
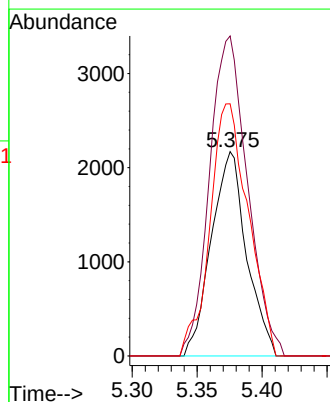
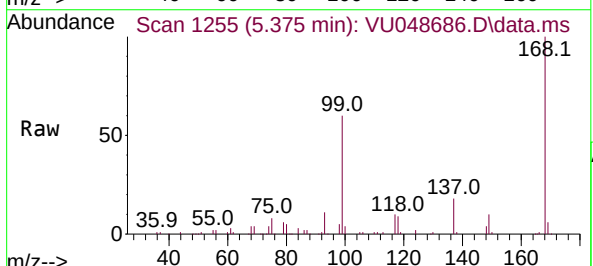
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

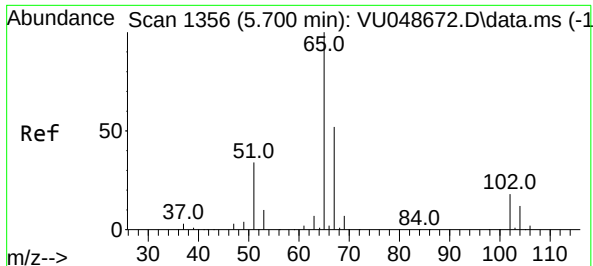
Tgt Ion: 42	Resp: 446
Ion Ratio	Lower Upper
42	100
72	42.8 37.6 56.4
71	0.0 35.0 52.4#



#31
Cyclohexane
Concen: 1.141 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Tgt Ion: 56	Resp: 4091
Ion Ratio	Lower Upper
56	100
69	156.6 25.6 38.4#
84	123.4 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 53.622 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU048686.D

Acq: 27 May 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

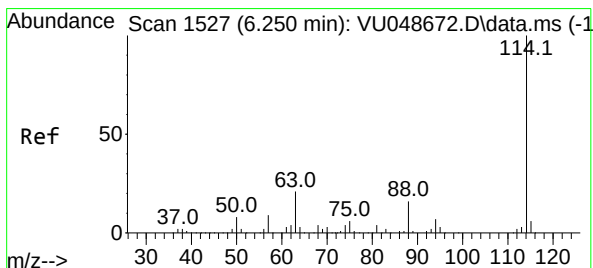
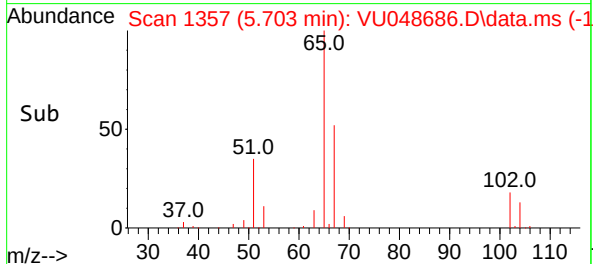
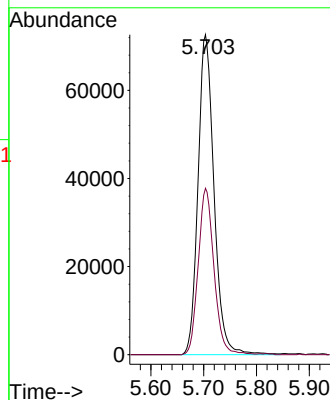
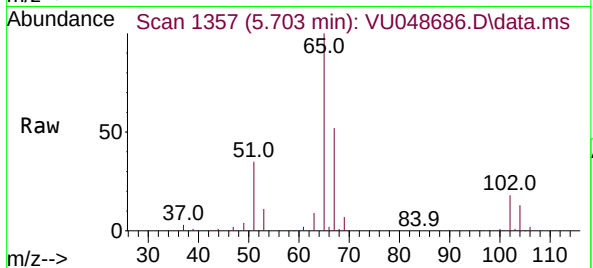
TRIP-BLANK

Tgt Ion: 65 Resp: 152599

Ion Ratio Lower Upper

65 100

67 51.2 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: VU048686.D

Acq: 27 May 2022 12:20

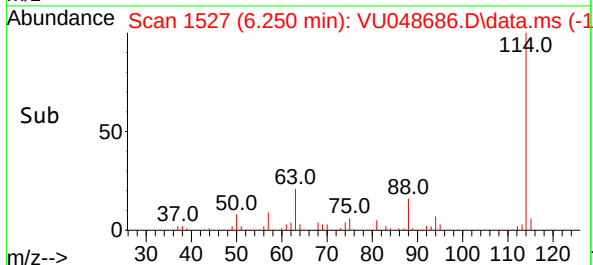
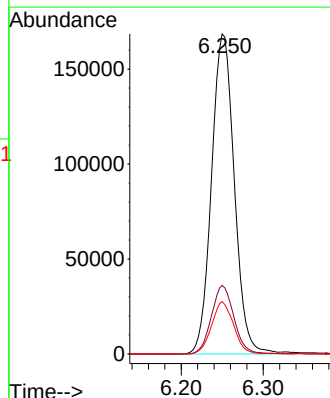
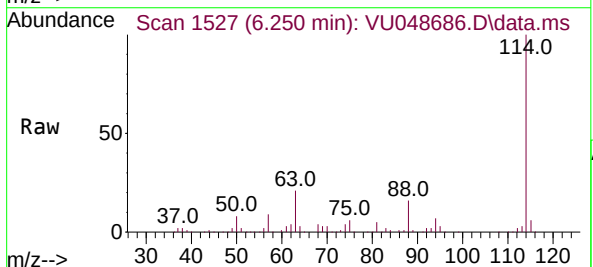
Tgt Ion: 114 Resp: 325892

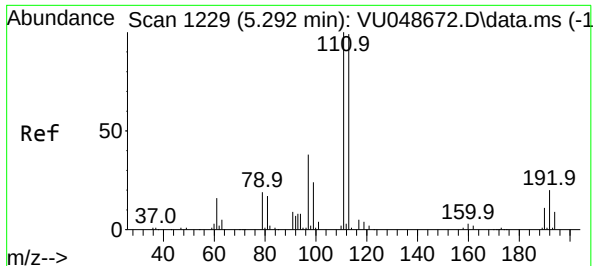
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 16.4 0.0 32.2

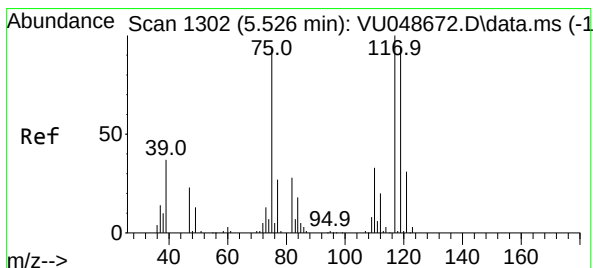
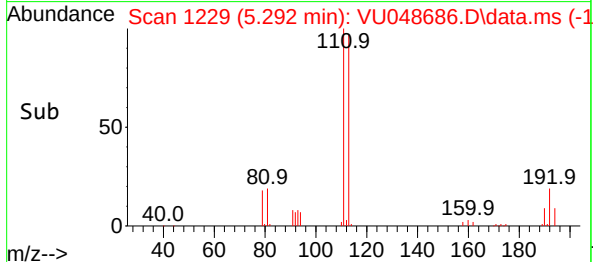
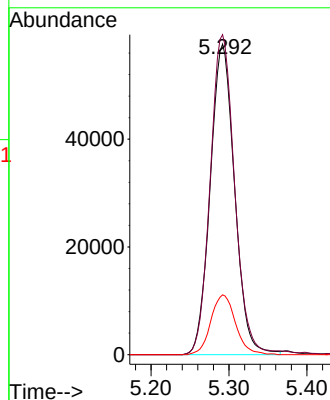
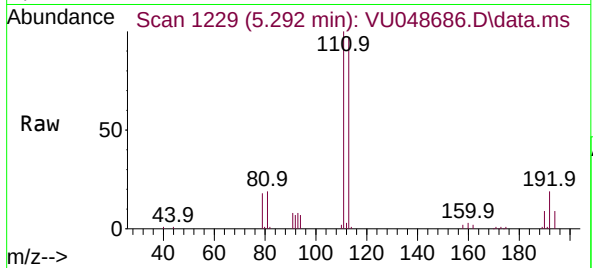




#35
Dibromofluoromethane
Concen: 53.853 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

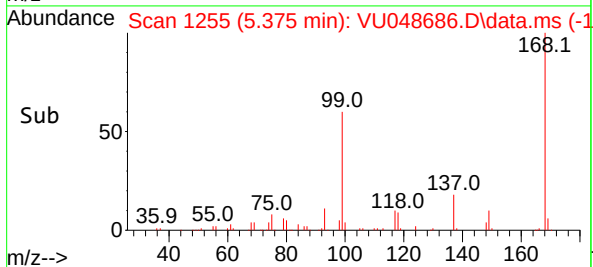
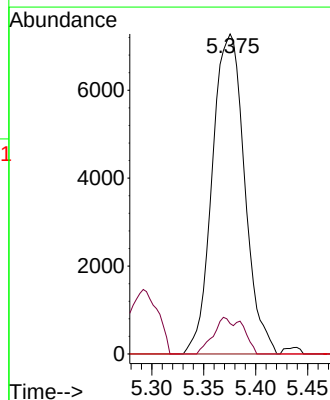
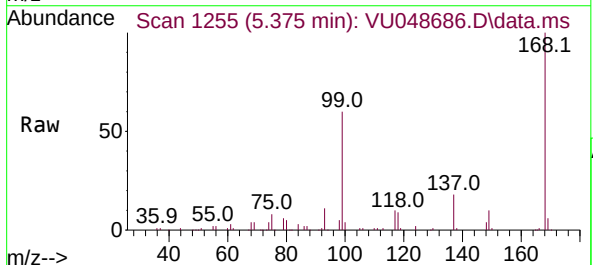
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

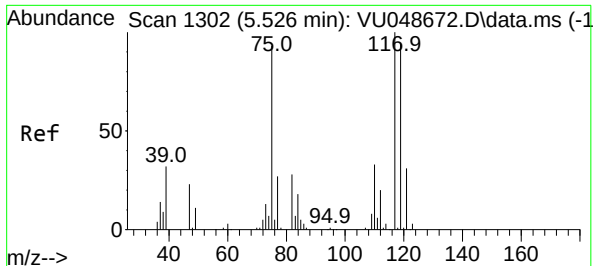
Tgt Ion:113 Resp: 125208
Ion Ratio Lower Upper
113 100
111 103.0 80.7 121.1
192 19.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.645 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

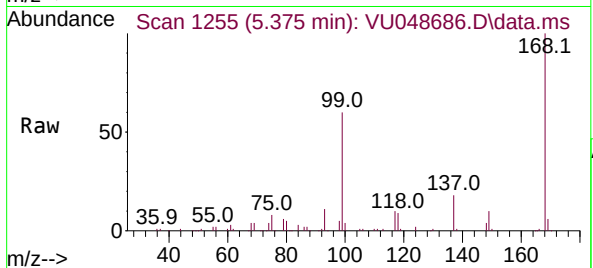
Tgt Ion: 75 Resp: 15763
Ion Ratio Lower Upper
75 100
110 6.8 17.4 52.3#
77 0.0 24.8 37.2#



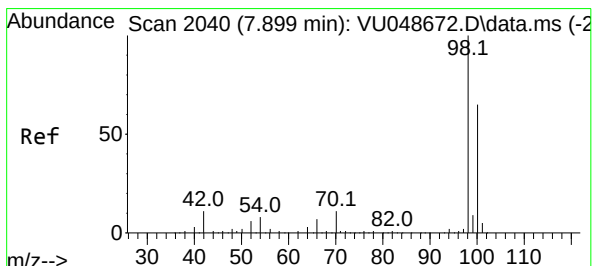
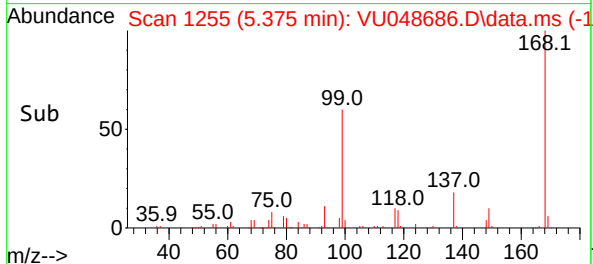
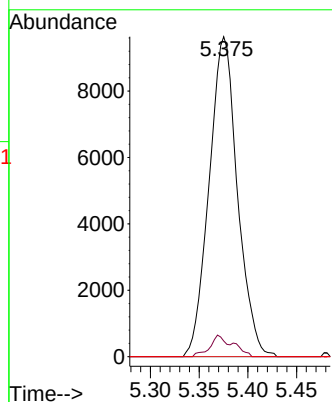


#38
Carbon Tetrachloride
Concen: 5.005 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

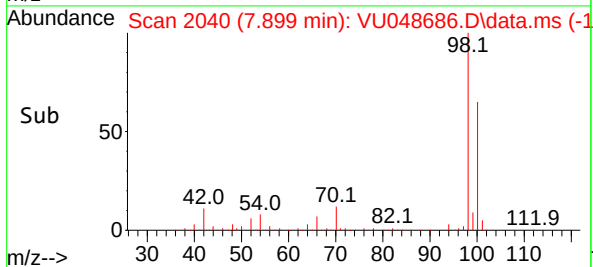
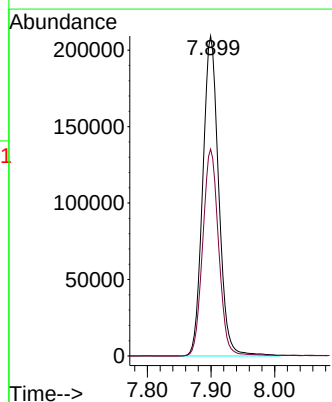
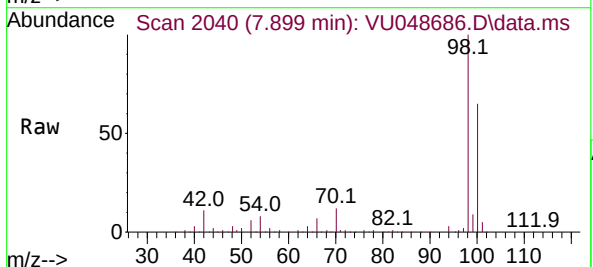


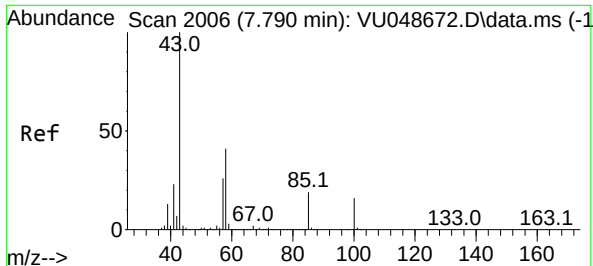
Tgt Ion:117 Resp: 19485
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 43.701 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Tgt Ion: 98 Resp: 364218
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.234 ug/l

RT: 7.793 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU048686.D

Acq: 27 May 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

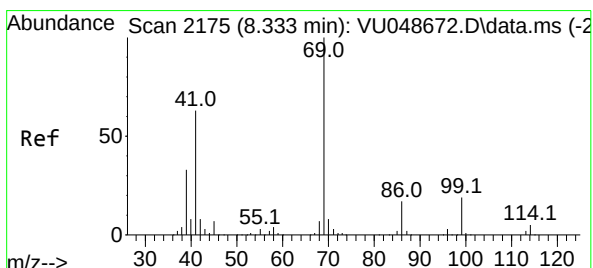
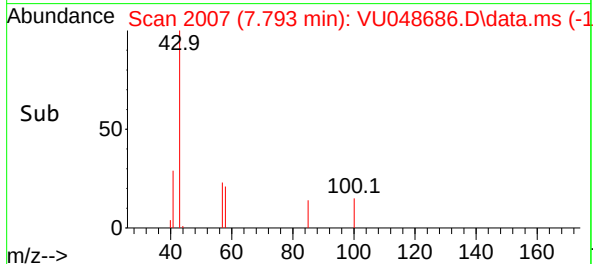
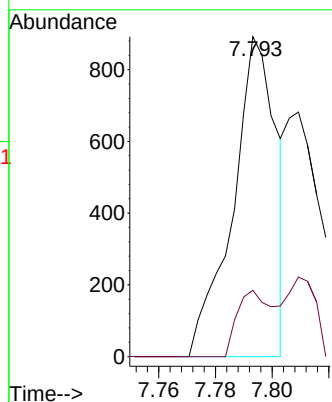
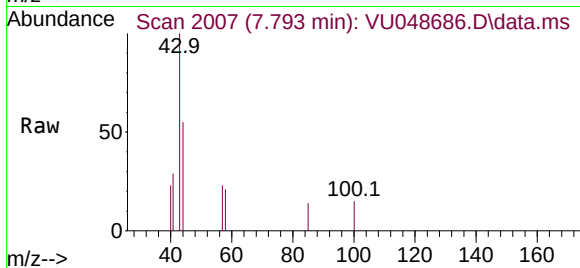
TRIP-BLANK

Tgt Ion: 43 Resp: 944

Ion Ratio Lower Upper

43 100

58 15.1 32.7 49.1#



#56

Ethyl methacrylate

Concen: 2.628 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. 0.004 min

Lab File: VU048686.D

Acq: 27 May 2022 12:20

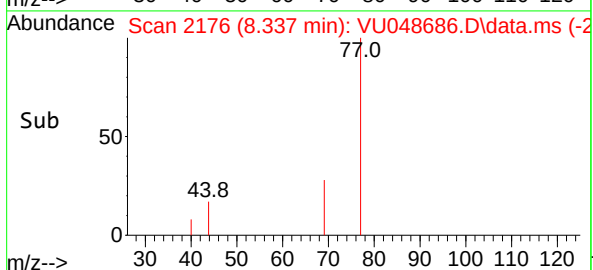
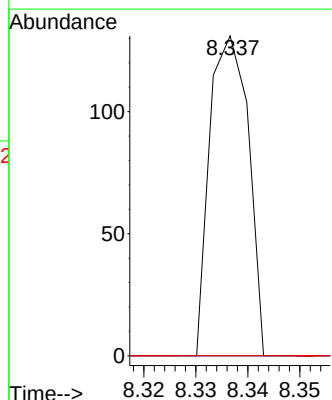
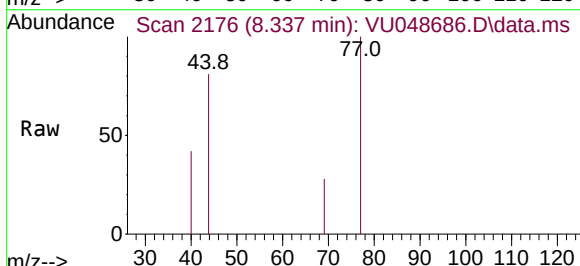
Tgt Ion: 69 Resp: 67

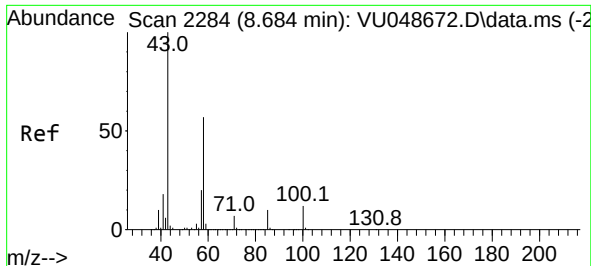
Ion Ratio Lower Upper

69 100

41 0.0 50.6 76.0#

39 0.0 26.6 40.0#

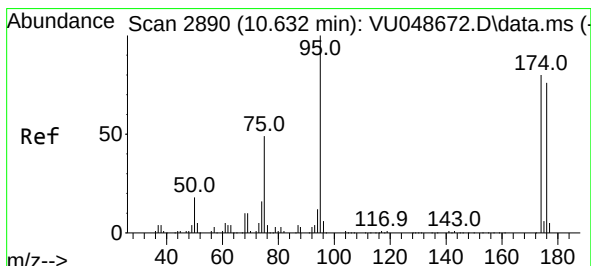
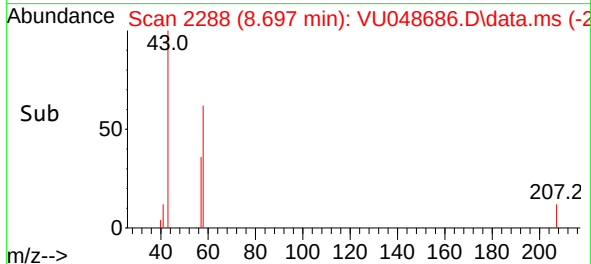
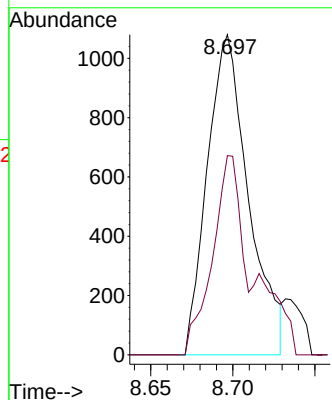
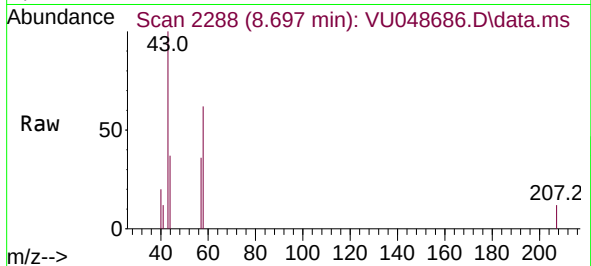




#59
2-Hexanone
Concen: 0.568 ug/l
RT: 8.697 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

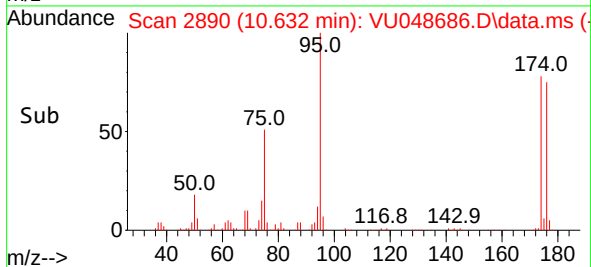
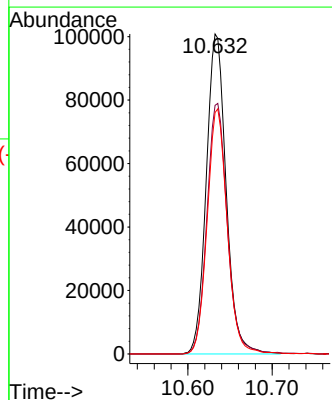
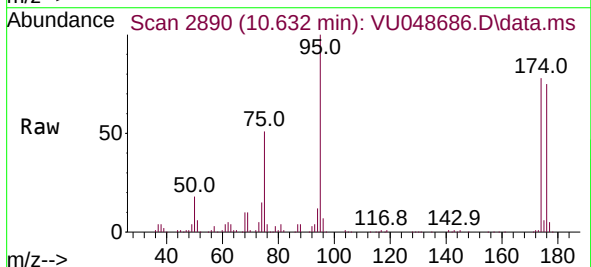
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

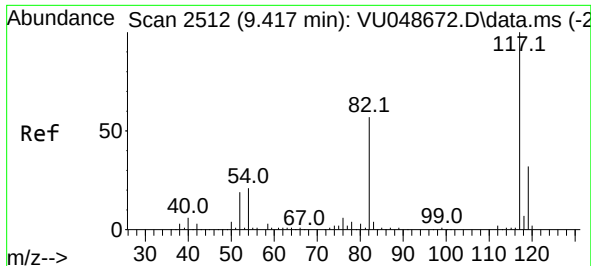
Tgt Ion: 43 Resp: 1884
Ion Ratio Lower Upper
43 100
58 46.2 28.2 84.6



#62
4-Bromofluorobenzene
Concen: 52.495 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Tgt Ion: 95 Resp: 165460
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.4
176 77.5 0.0 152.4

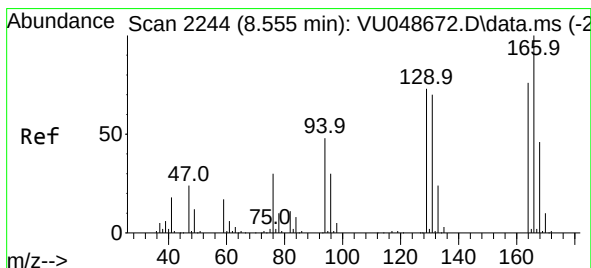
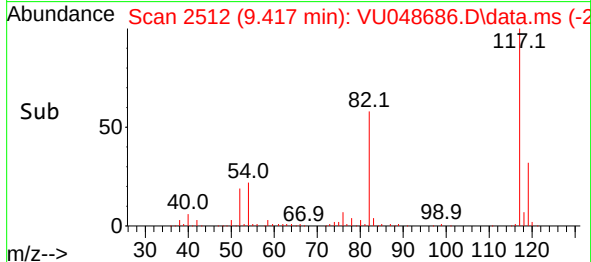
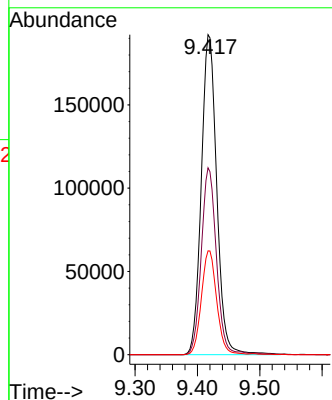
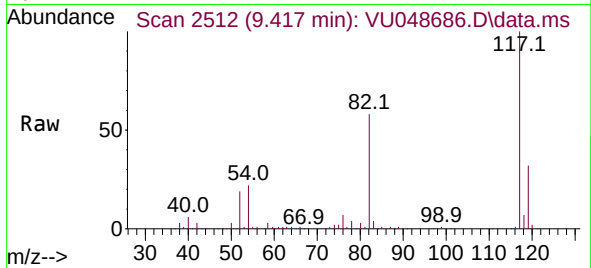




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

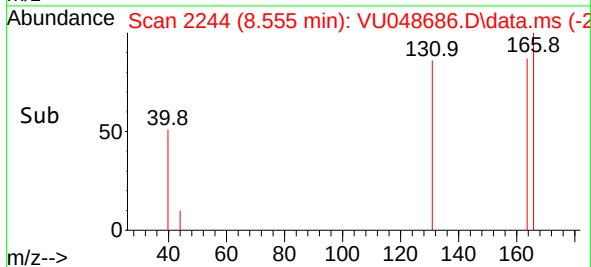
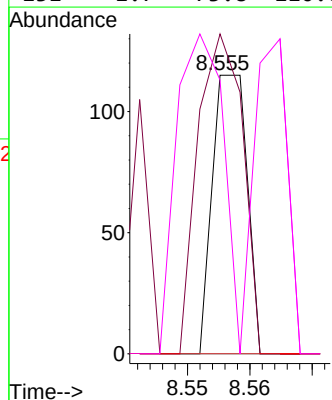
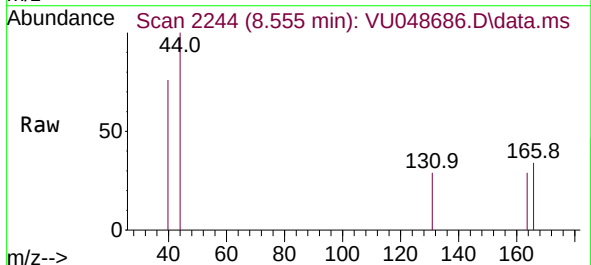
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

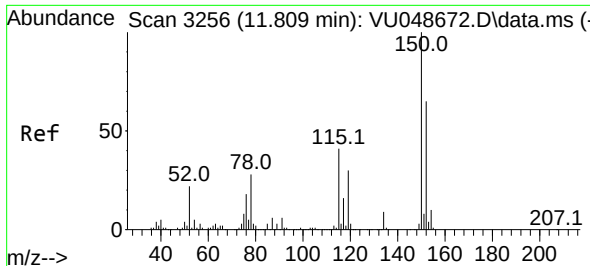
Tgt Ion:117 Resp: 331257
Ion Ratio Lower Upper
117 100
82 58.4 45.3 67.9
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Tgt Ion:164 Resp: 44
Ion Ratio Lower Upper
164 100
166 114.8 105.0 157.4
129 0.0 76.5 114.7#
131 1.7 73.8 110.6#

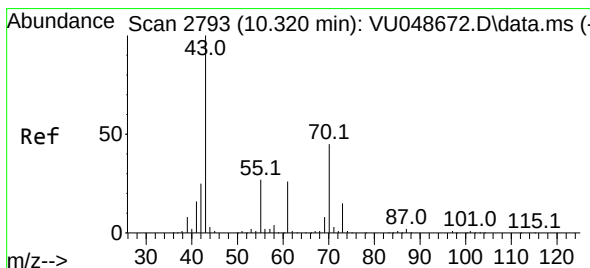
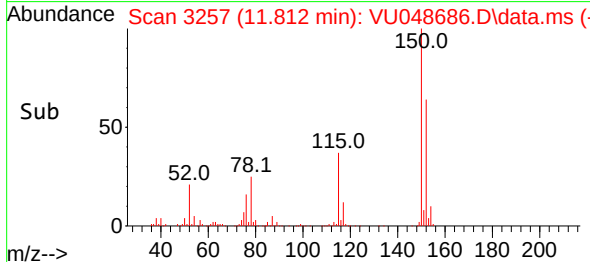
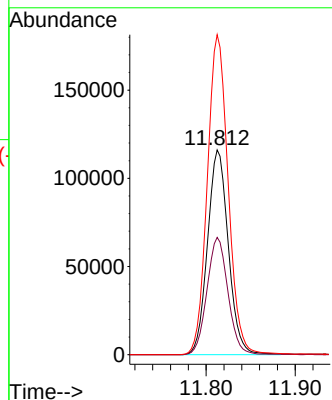
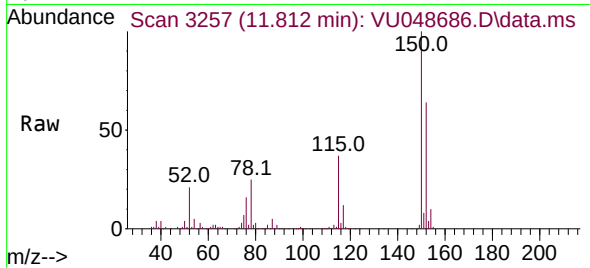




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

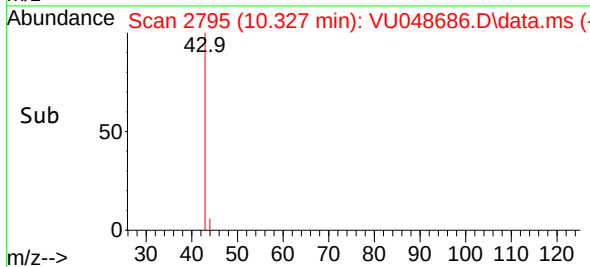
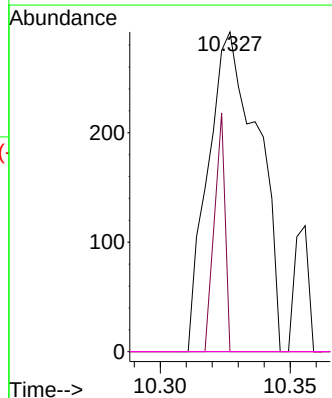
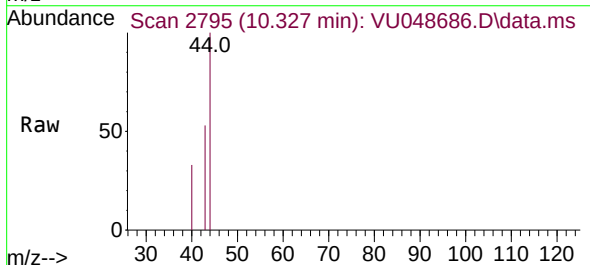
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

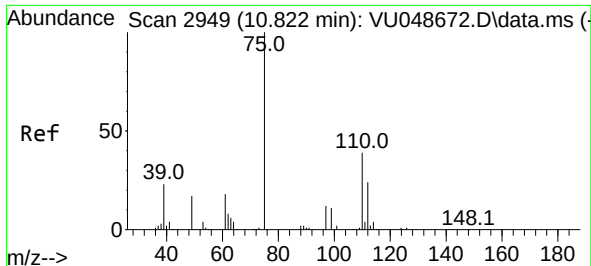
Tgt Ion:152 Resp: 188378
Ion Ratio Lower Upper
152 100
115 57.8 41.8 125.4
150 156.6 0.0 341.0



#74
N-ethyl acetate
Concen: 2.527 ug/l
RT: 10.327 min Scan# 2795
Delta R.T. 0.007 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Tgt Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
70 16.2 35.8 53.6#
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#

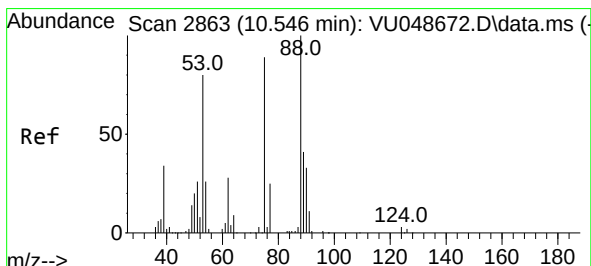
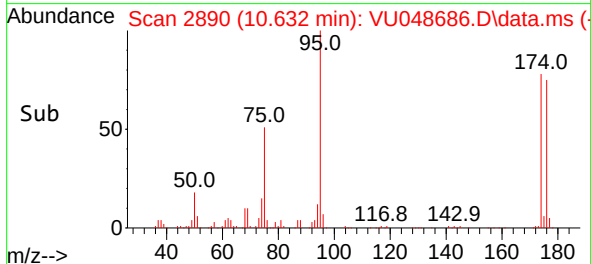
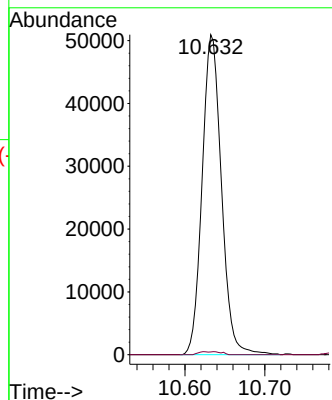
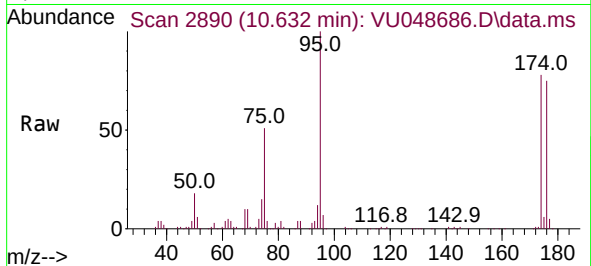




#76
1,2,3-Trichloropropane
Concen: 14.088 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

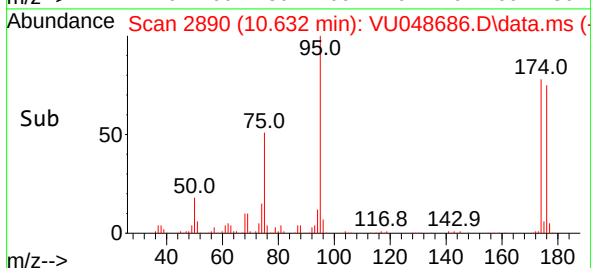
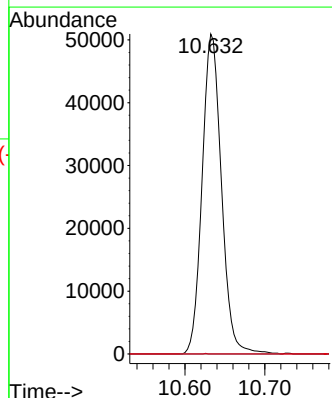
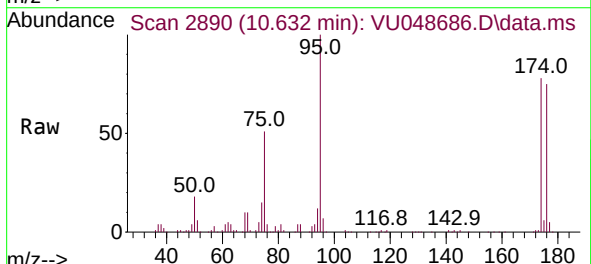
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

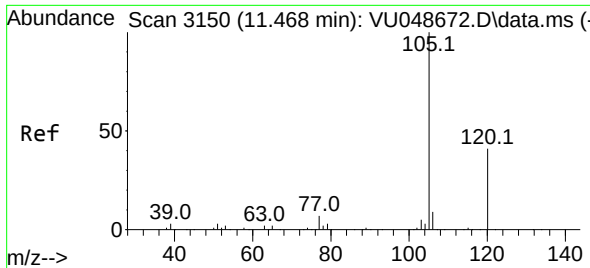
Tgt Ion: 75 Resp: 85566
Ion Ratio Lower Upper
75 100
77 0.5 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.151 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Tgt Ion: 75 Resp: 85566
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

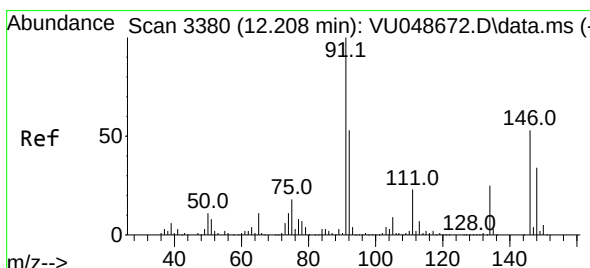
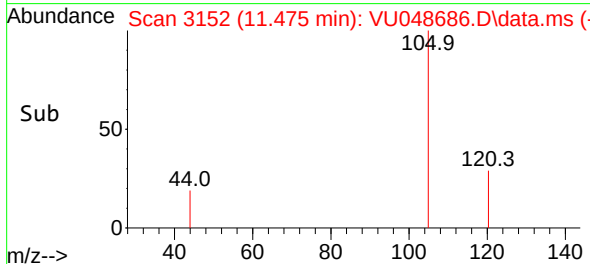
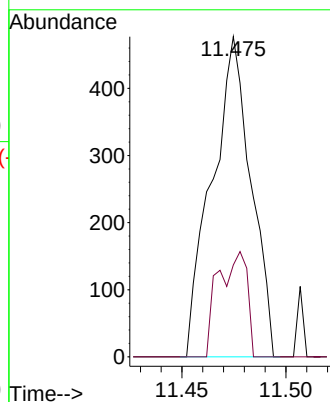
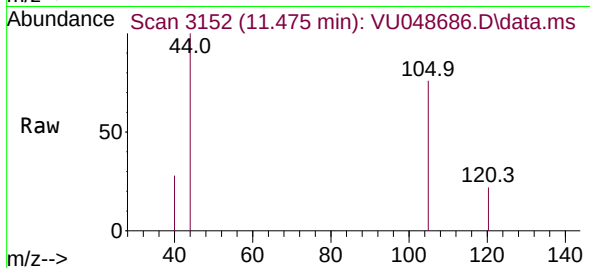




#84
1,2,4-Trimethylbenzene
Concen: 1.240 ug/l
RT: 11.475 min Scan# 3150
Delta R.T. 0.007 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

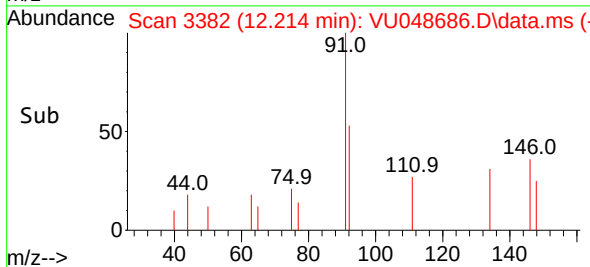
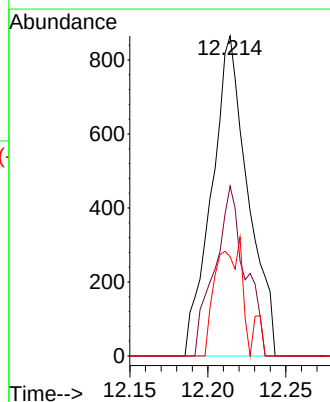
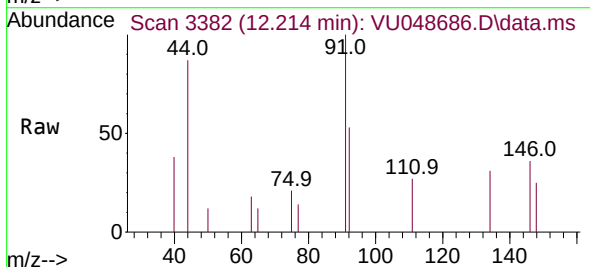
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

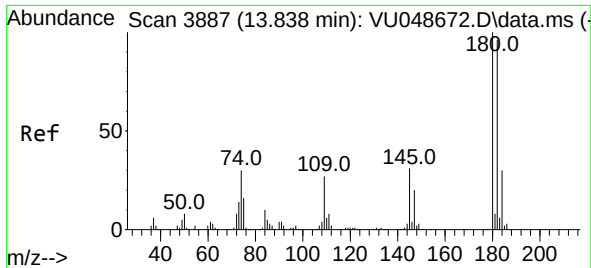
Tgt Ion:105 Resp: 623
Ion Ratio Lower Upper
105 100
120 24.2 22.5 67.5



#89
n-Butylbenzene
Concen: 2.308 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.006 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Tgt Ion: 91 Resp: 1400
Ion Ratio Lower Upper
91 100
92 44.6 25.9 77.8
134 25.3 12.5 37.5

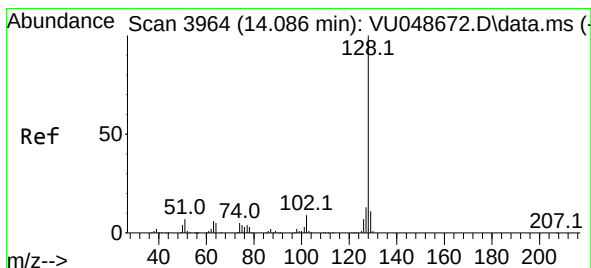
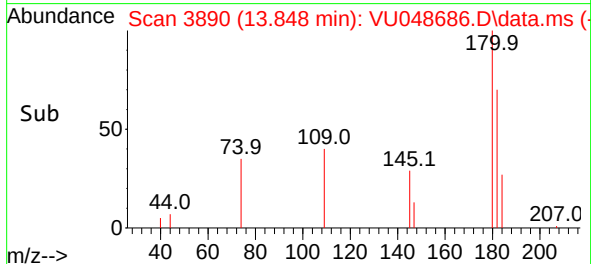
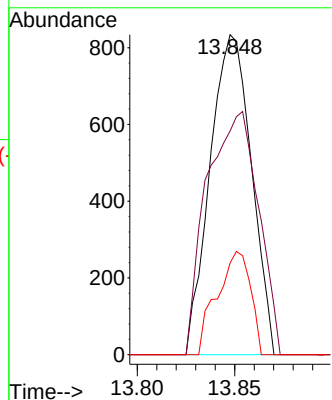
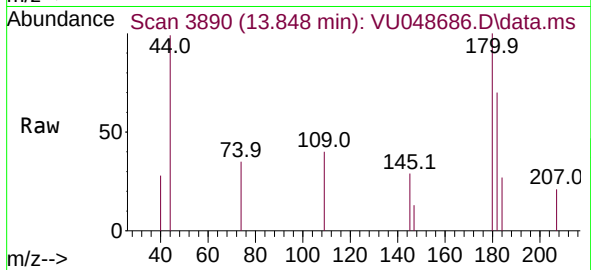




#93
1,2,4-Trichlorobenzene
Concen: 0.290 ug/l
RT: 13.848 min Scan# 3887
Delta R.T. 0.010 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

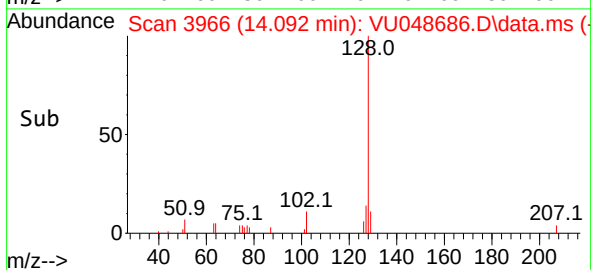
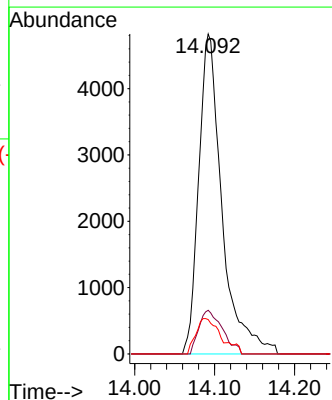
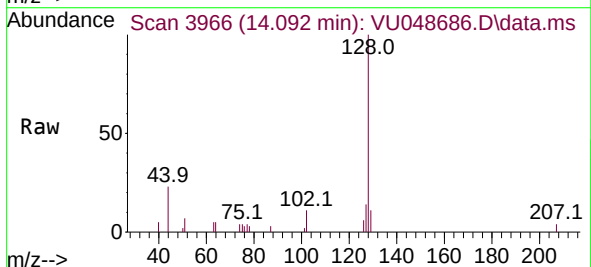
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

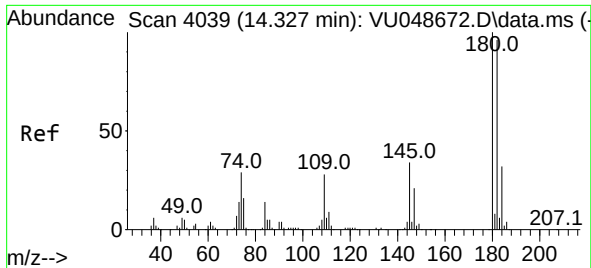
Tgt Ion:180 Resp: 1232
Ion Ratio Lower Upper
180 100
182 94.5 48.3 144.9
145 26.1 15.6 46.7



#95
Naphthalene
Concen: 3.159 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048686.D
Acq: 27 May 2022 12:20

Tgt Ion:128 Resp: 9780
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.4
129 11.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.277 ug/l
 RT: 14.333 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VU048686.D
 Acq: 27 May 2022 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

Tgt Ion:	180	Resp:	1164
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.4	142.2
145	33.0	16.6	49.8

