

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122921\
 Data File : VU046639.D
 Acq On : 29 Dec 2021 20:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Dec 30 04:24:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 30 04:21:35 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	64367	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	68727	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	40122	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	34797	6.863	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 137.200%#	
7) Chloroethane-d5	1.919	69	24389	6.109	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 122.200%	
11) 1,1-Dichloroethene-d2	2.575	65	14293	6.685	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 133.800%#	
20) 2-Butanone-d5	4.649	46	86561	58.860	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 117.720%	
24) Chloroform-d	5.067	84	57520	6.192	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 123.800%	
26) 1,2-Dichloroethane-d4	5.707	65	31442	5.920	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 118.400%	
32) Benzene-d6	5.732	84	108445	5.660	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 113.200%	
36) 1,2-Dichloropropane-d6	6.694	67	33165	5.761	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 115.200%	
41) Toluene-d8	7.903	98	100045	5.754	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 115.000%	
43) trans-1,3-Dichloroprop...	8.182	79	14510	5.450	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 109.000%	
46) 2-Hexanone-d5	8.636	63	75685	48.416	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 96.840%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32392	5.482	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 109.600%	
66) 1,2-Dichlorobenzene-d4	12.195	152	36101	4.885	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 97.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	46527	4.724	ug/L	99
3) Chloromethane	1.523	50	32290	3.807	ug/L	98
5) Vinyl chloride	1.607	62	37148	4.448	ug/L	98
6) Bromomethane	1.864	94	14114	2.808	ug/L	95
8) Chloroethane	1.938	64	21973	4.482	ug/L	98
9) Trichlorofluoromethane	2.144	101	56455	5.168	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	30705	5.522	ug/L	97
12) 1,1-Dichloroethene	2.584	96	28223	4.985	ug/L	93
13) Acetone	2.668	43	69720	50.565	ug/L	95
14) Carbon disulfide	2.800	76	70825	3.830	ug/L	99
15) Methyl Acetate	2.967	43	13087	4.699	ug/L #	89
16) Methylene chloride	3.051	84	35973	5.221	ug/L	98
17) Methyl tert-butyl Ether	3.366	73	79558	4.817	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	28676	4.747	ug/L	92
19) 1,1-Dichloroethane	3.877	63	59950	5.387	ug/L	100
21) 2-Butanone	4.726	43	110515	52.830	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	33489	5.072	ug/L	98
23) Bromochloromethane	4.980	128	16592	5.049	ug/L	97
25) Chloroform	5.092	83	66826	5.559	ug/L	98

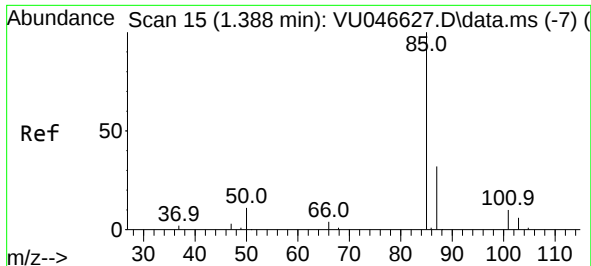
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122921\
 Data File : VU046639.D
 Acq On : 29 Dec 2021 20:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Dec 30 04:24:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 30 04:21:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	45182	5.265	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	57517	5.061	ug/L	100
30) Cyclohexane	5.395	56	39720	4.225	ug/L	99
31) Carbon tetrachloride	5.530	117	50166	5.261	ug/L	100
33) Benzene	5.777	78	131365	4.811	ug/L	100
34) Trichloroethene	6.546	95	33061	4.593	ug/L	96
35) Methylcyclohexane	6.768	83	42585	4.196	ug/L	99
37) 1,2-Dichloropropane	6.793	63	36053	5.176	ug/L	98
38) Bromodichloromethane	7.108	83	51622	5.354	ug/L #	96
39) cis-1,3-Dichloropropene	7.610	75	49875	4.730	ug/L	97
40) 4-Methyl-2-pentanone	7.796	43	255467	48.859	ug/L	98
42) Toluene	7.973	91	139621	4.981	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	46399	4.749	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	29400	4.894	ug/L	97
47) Tetrachloroethene	8.555	164	24631	4.835	ug/L	96
48) 2-Hexanone	8.687	43	193914	49.660	ug/L	99
49) Dibromochloromethane	8.813	129	37552	5.420	ug/L	100
50) 1,2-Dibromoethane	8.925	107	28067	4.840	ug/L	97
51) Chlorobenzene	9.449	112	89806	5.013	ug/L	97
52) Ethylbenzene	9.571	91	144897	4.994	ug/L	98
53) m,p-Xylene	9.697	106	56880	5.118	ug/L	94
54) o-Xylene	10.102	106	55449	5.192	ug/L	92
55) Styrene	10.115	104	102838	5.551	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	40196	5.121	ug/L	97
59) Bromoform	10.292	173	22621	4.880	ug/L	97
60) Isopropylbenzene	10.488	105	149378	4.828	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	29364	4.407	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	115901	4.504	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	123508	4.766	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	74777	4.971	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	76640	4.977	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	72912	4.833	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	7585	4.918	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	56043	4.923	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	46401	4.812	ug/L	97
71) Naphthalene	14.089	128	92584	4.324	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	49011	5.134	ug/L	99

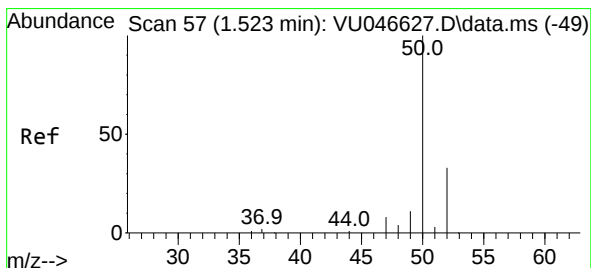
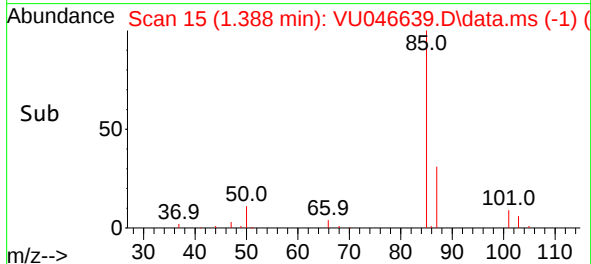
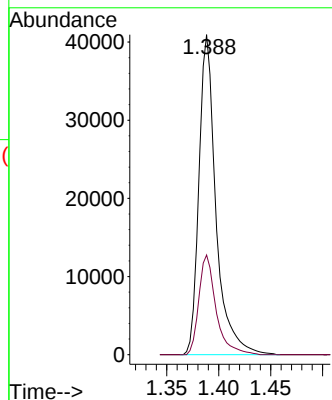
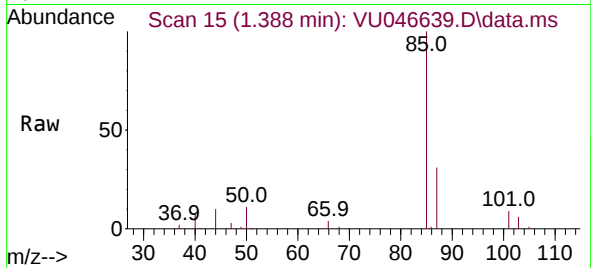
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.724 ug/L
 RT: 1.388 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU046639.D
 Acq: 29 Dec 2021 20:37

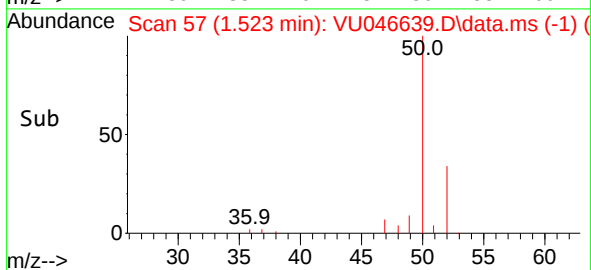
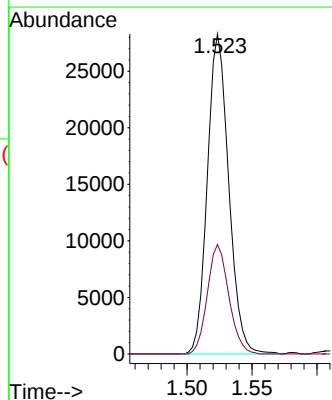
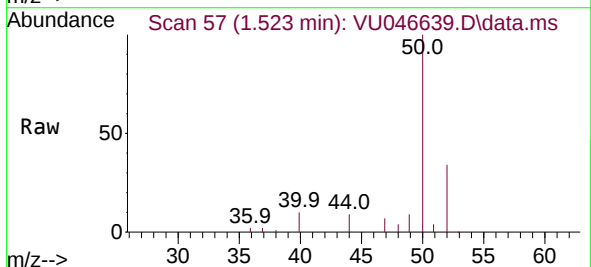
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

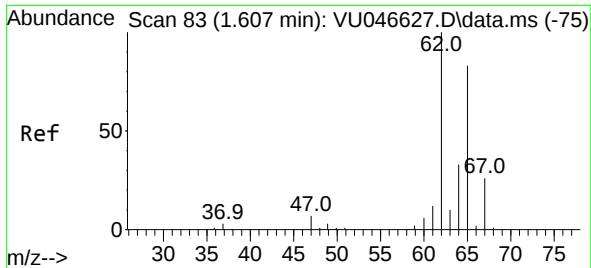
Tgt Ion: 85 Resp: 46527
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.8 38.6



#3
 Chloromethane
 Concen: 3.807 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. -0.000 min
 Lab File: VU046639.D
 Acq: 29 Dec 2021 20:37

Tgt Ion: 50 Resp: 32290
 Ion Ratio Lower Upper
 50 100
 52 34.2 23.0 42.8

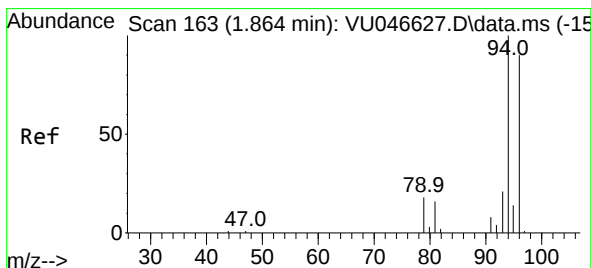
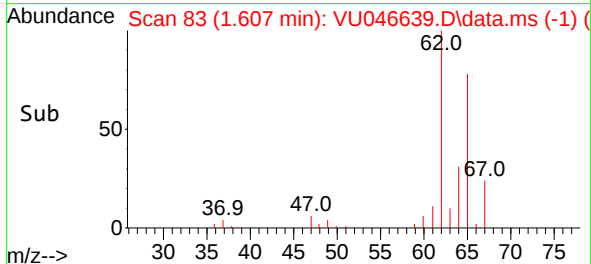
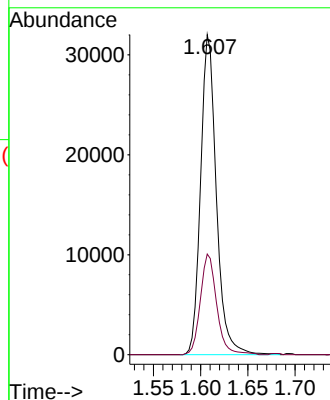
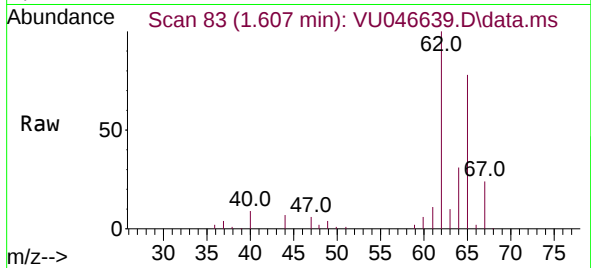




#5
 Vinyl chloride
 Concen: 4.448 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU046639.D
 Acq: 29 Dec 2021 20:37

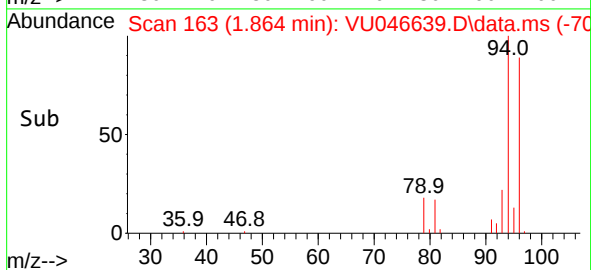
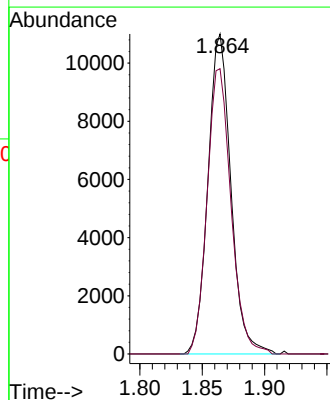
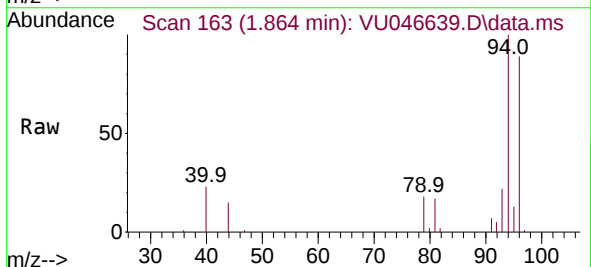
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

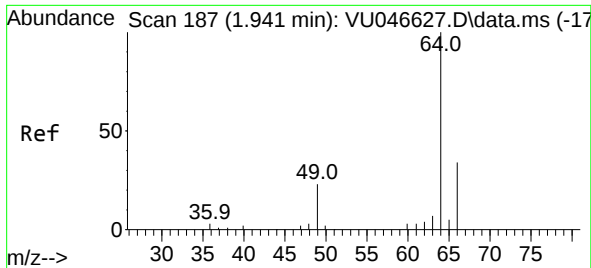
Tgt Ion: 62 Resp: 37148
 Ion Ratio Lower Upper
 62 100
 64 31.4 22.9 42.5



#6
 Bromomethane
 Concen: 2.808 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU046639.D
 Acq: 29 Dec 2021 20:37

Tgt Ion: 94 Resp: 14114
 Ion Ratio Lower Upper
 94 100
 96 89.2 65.5 121.6

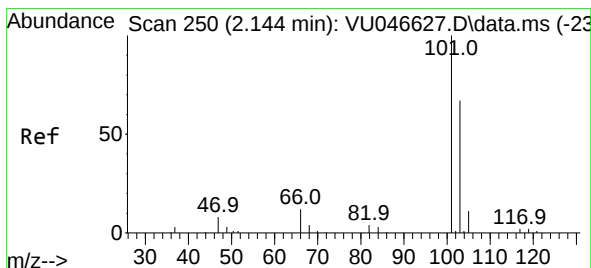
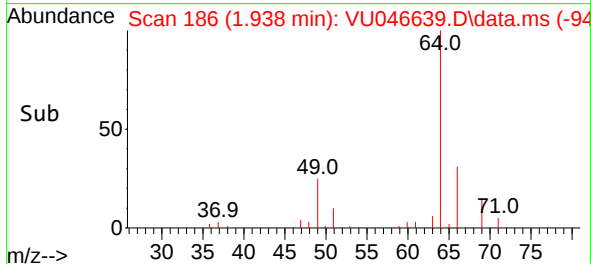
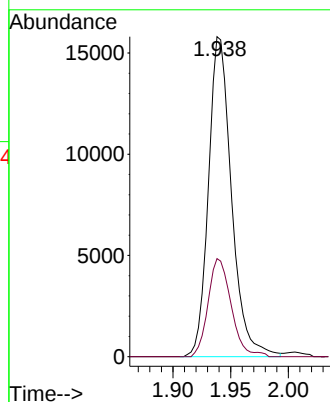
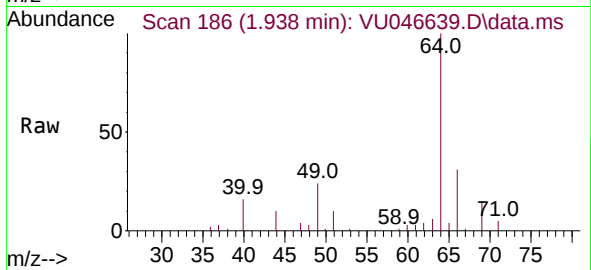




#8
Chloroethane
Concen: 4.482 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

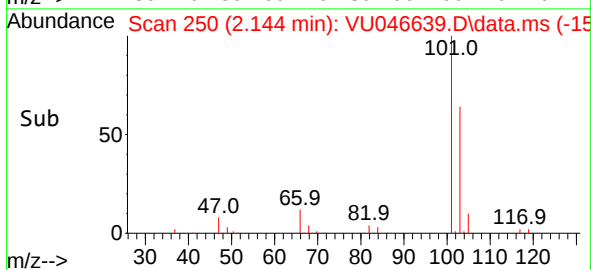
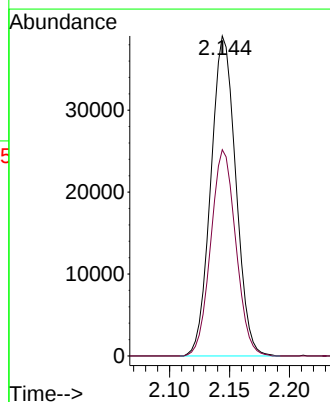
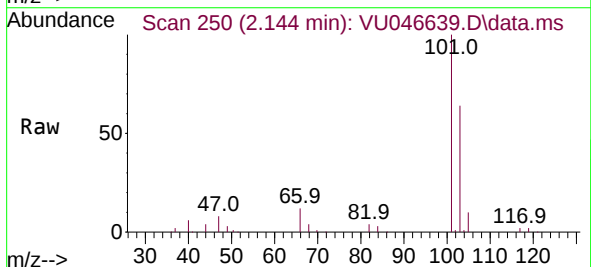
Instrument :
MSVOA_U
ClientSampleId :
BFB

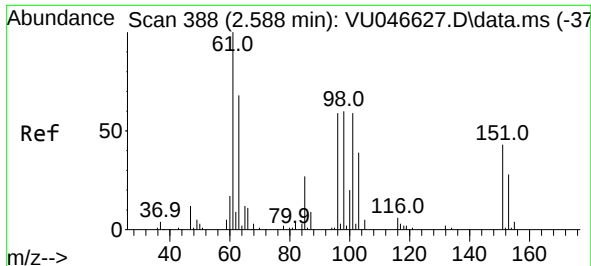
Tgt Ion: 64 Resp: 21973
Ion Ratio Lower Upper
64 100
66 30.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.168 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion:101 Resp: 56455
Ion Ratio Lower Upper
101 100
103 64.6 51.5 77.3

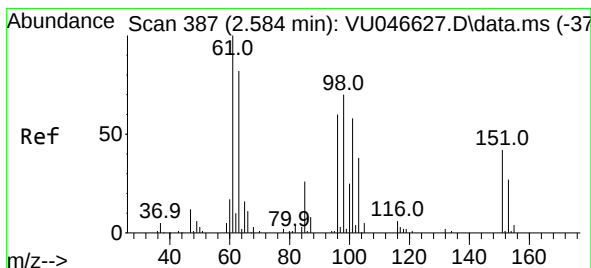
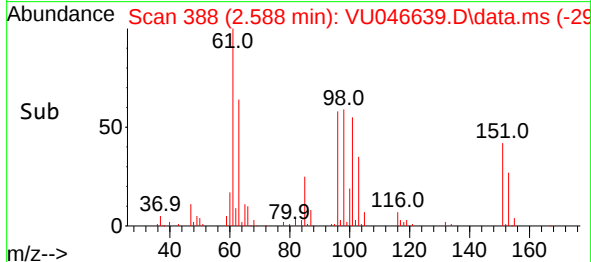
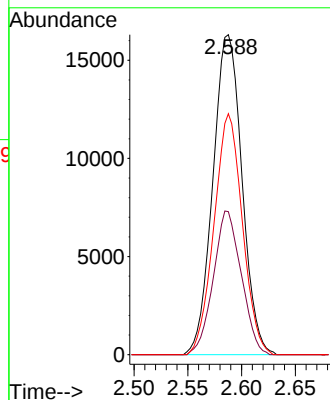
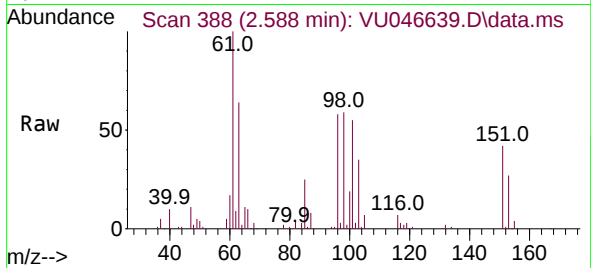




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.522 ug/L
RT: 2.588 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

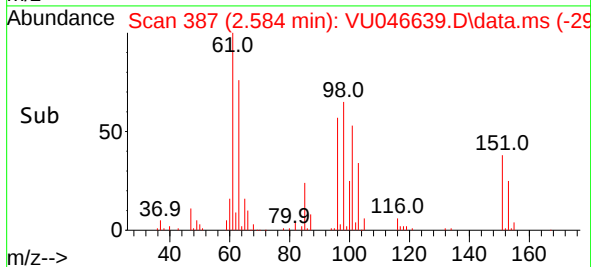
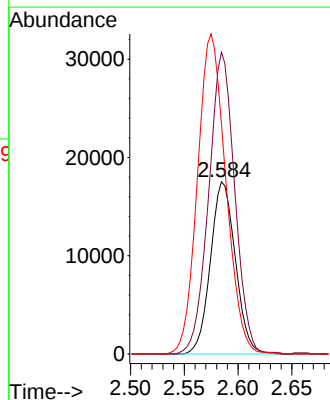
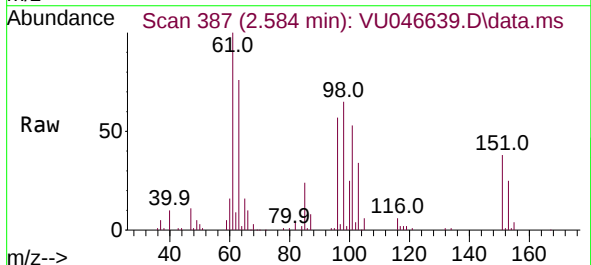
Instrument :
MSVOA_U
ClientSampleId :
BFB

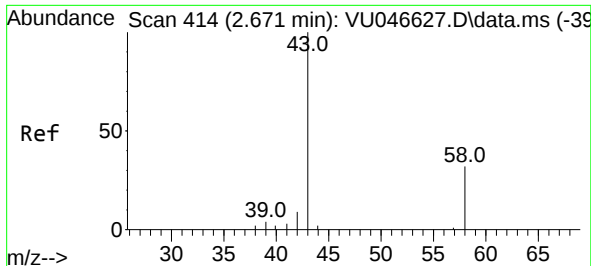
Tgt Ion:101 Resp: 30705
Ion Ratio Lower Upper
101 100
85 43.1 34.6 51.8
151 73.4 56.1 84.1



#12
1,1-Dichloroethene
Concen: 4.985 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion: 96 Resp: 28223
Ion Ratio Lower Upper
96 100
61 175.3 124.7 231.5
63 133.5 105.2 195.4





#13

Acetone

Concen: 50.565 ug/L

RT: 2.668 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

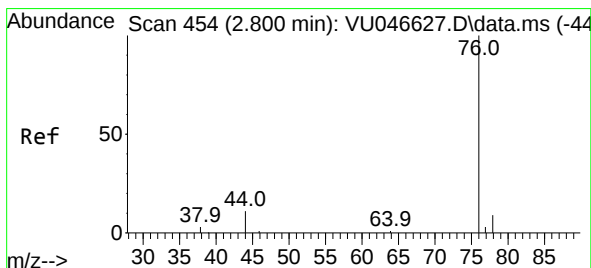
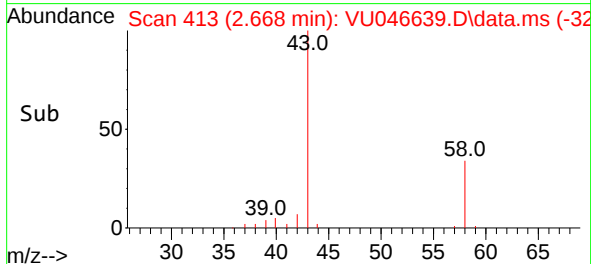
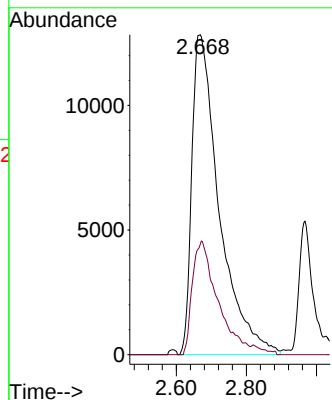
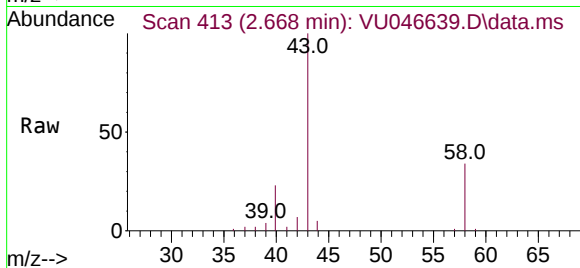
BFB

Tgt Ion: 43 Resp: 69720

Ion Ratio Lower Upper

43 100

58 32.7 0.0 71.6



#14

Carbon disulfide

Concen: 3.830 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046639.D

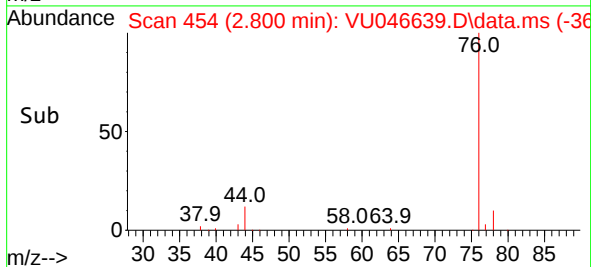
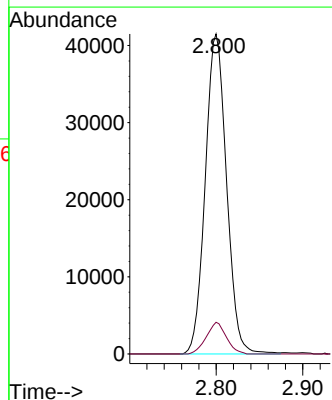
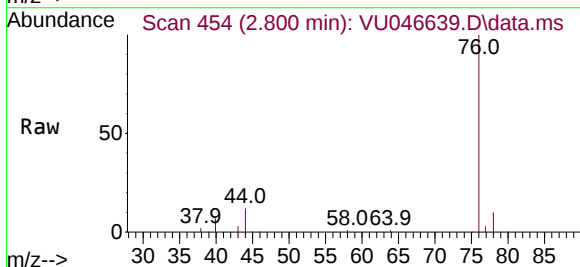
Acq: 29 Dec 2021 20:37

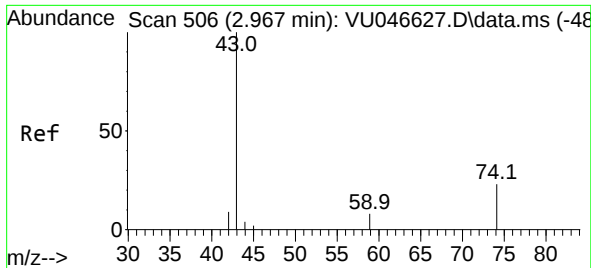
Tgt Ion: 76 Resp: 70825

Ion Ratio Lower Upper

76 100

78 9.9 7.5 11.3

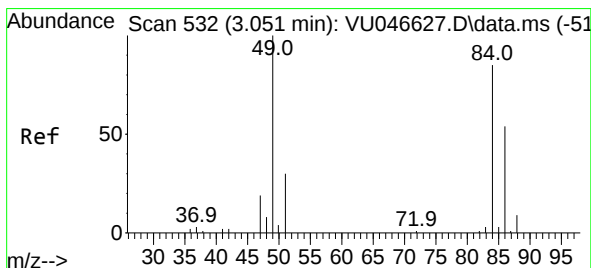
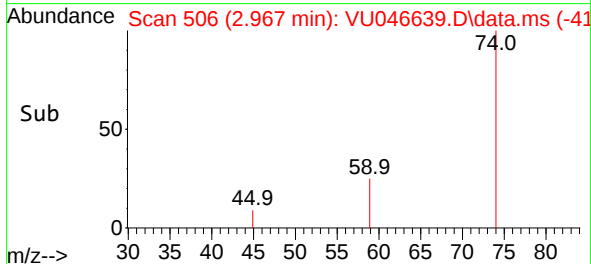
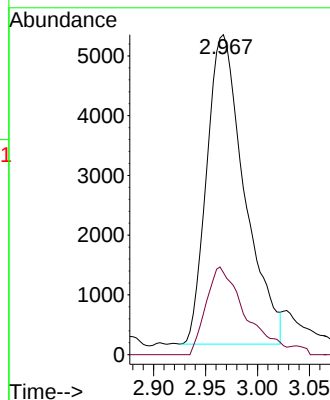
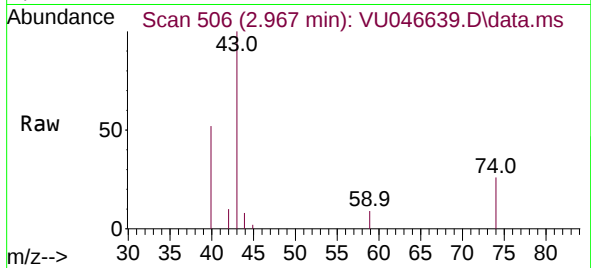




#15
Methyl Acetate
Concen: 4.699 ug/L
RT: 2.967 min Scan# 506
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

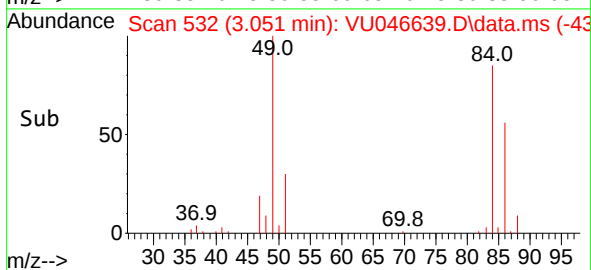
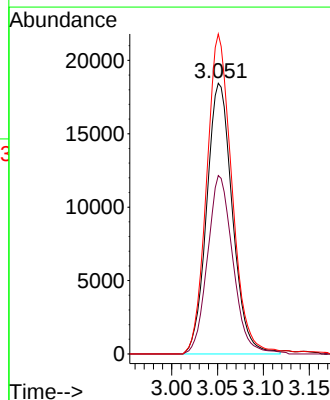
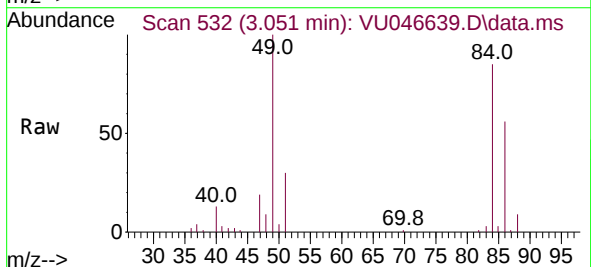
Instrument :
MSVOA_U
ClientSampleId :
BFB

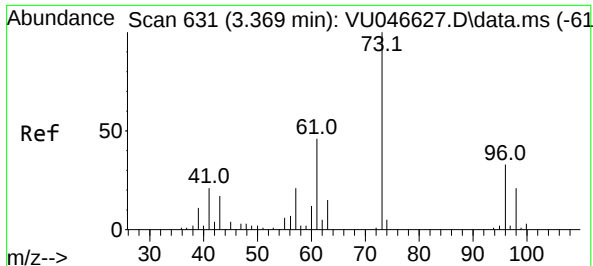
Tgt Ion: 43 Resp: 13087
Ion Ratio Lower Upper
43 100
74 29.3 19.1 28.7#



#16
Methylene chloride
Concen: 5.221 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion: 84 Resp: 35973
Ion Ratio Lower Upper
84 100
86 65.9 45.8 85.0
49 118.2 84.5 156.9

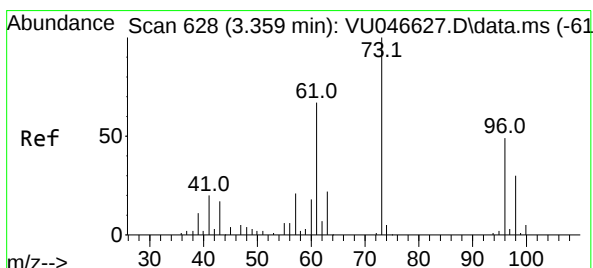
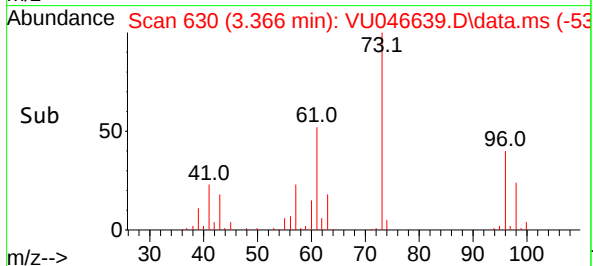
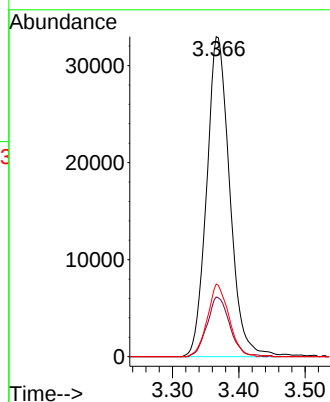
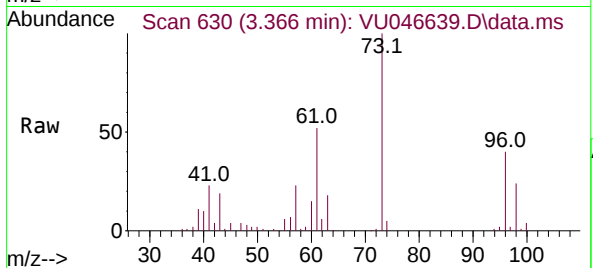




#17
Methyl tert-butyl Ether
Concen: 4.817 ug/L
RT: 3.366 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

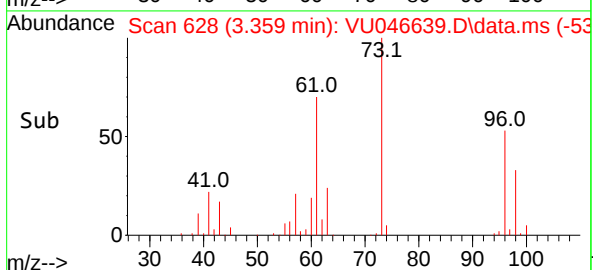
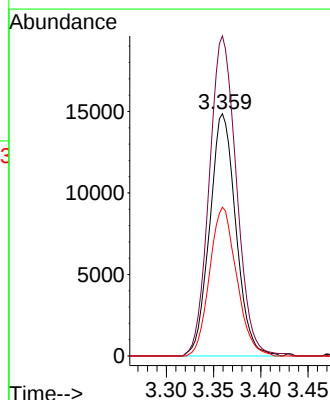
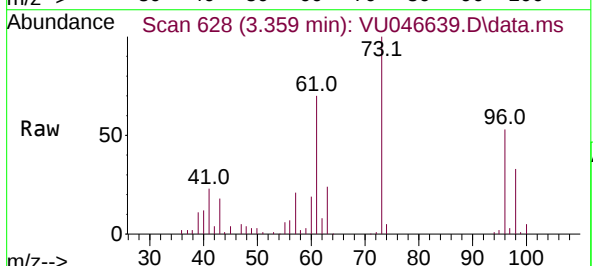
Instrument :
MSVOA_U
ClientSampleId :
BFB

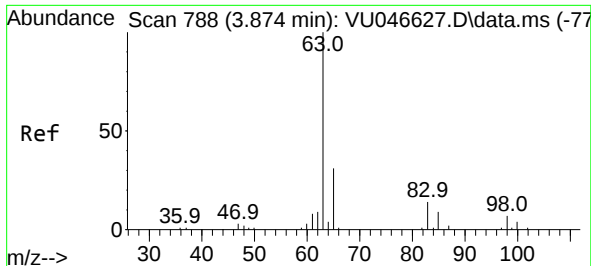
Tgt Ion: 73	Resp: 79558
Ion Ratio	Lower Upper
73 100	
43 18.4	14.8 22.2
57 21.2	17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 4.747 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion: 96	Resp: 28676
Ion Ratio	Lower Upper
96 100	
61 132.1	100.8 187.2
98 61.4	45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.387 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

BFB

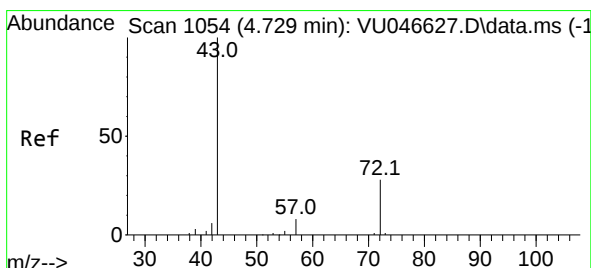
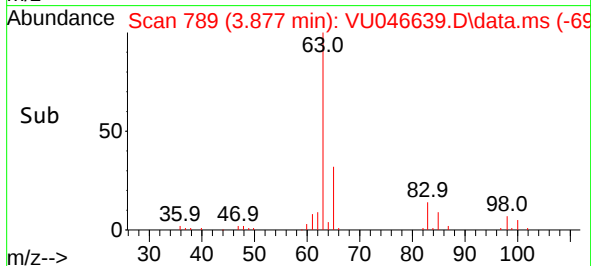
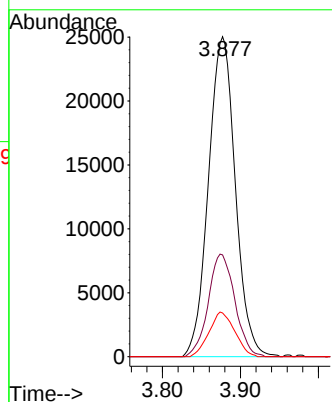
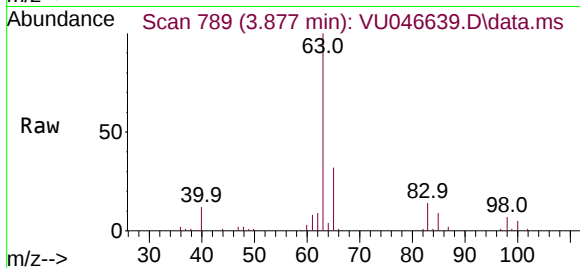
Tgt Ion: 63 Resp: 59950

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

83 13.7 9.6 17.8



#21

2-Butanone

Concen: 52.830 ug/L

RT: 4.726 min Scan# 1053

Delta R.T. -0.003 min

Lab File: VU046639.D

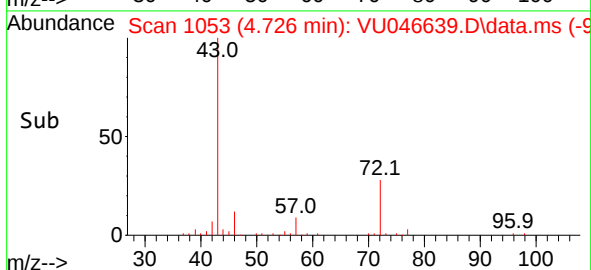
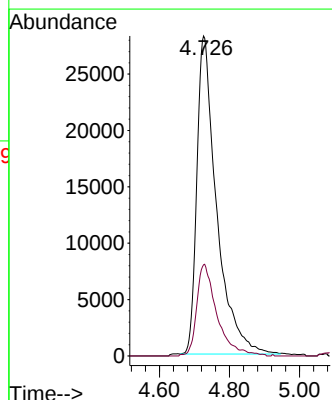
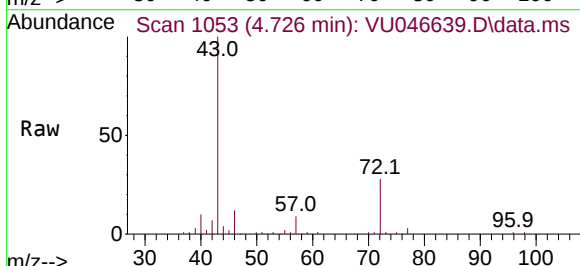
Acq: 29 Dec 2021 20:37

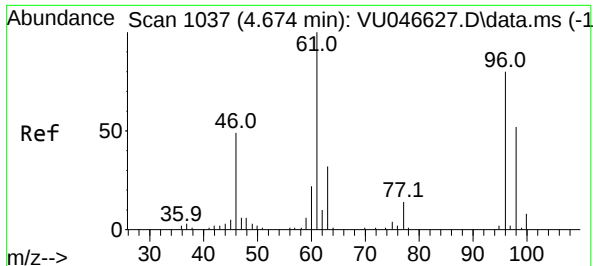
Tgt Ion: 43 Resp: 110515

Ion Ratio Lower Upper

43 100

72 28.5 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 5.072 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

BFB

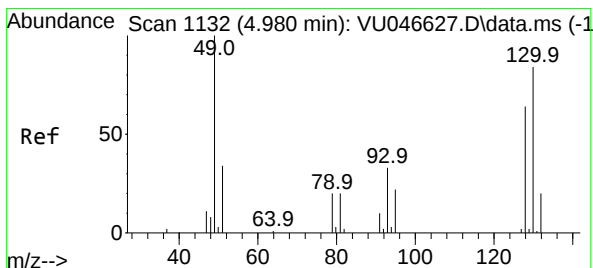
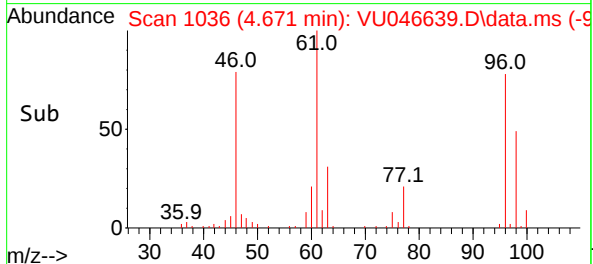
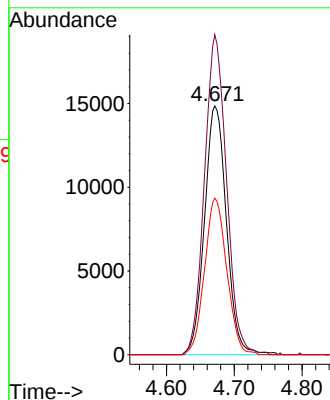
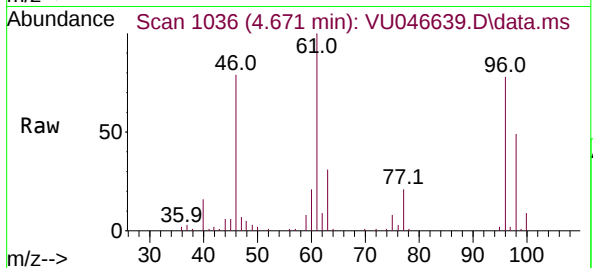
Tgt Ion: 96 Resp: 33489

Ion Ratio Lower Upper

96 100

61 128.6 88.5 164.3

98 62.9 44.4 82.5



#23

Bromochloromethane

Concen: 5.049 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Tgt Ion: 128 Resp: 16592

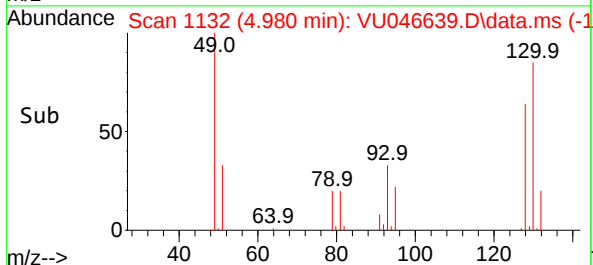
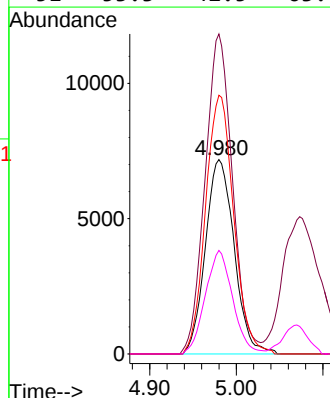
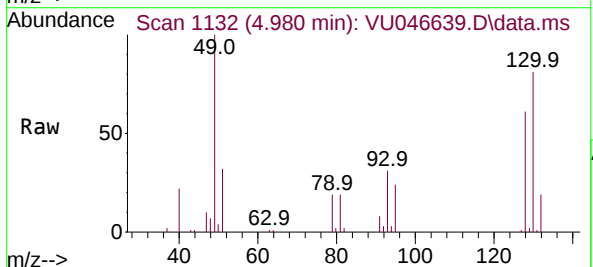
Ion Ratio Lower Upper

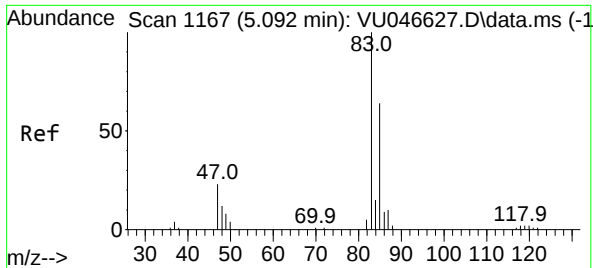
128 100

49 164.6 117.0 217.2

130 133.1 88.2 163.8

51 53.3 42.5 63.7

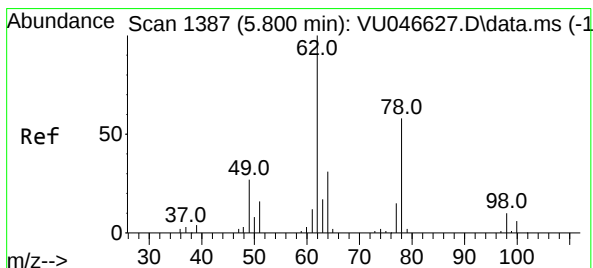
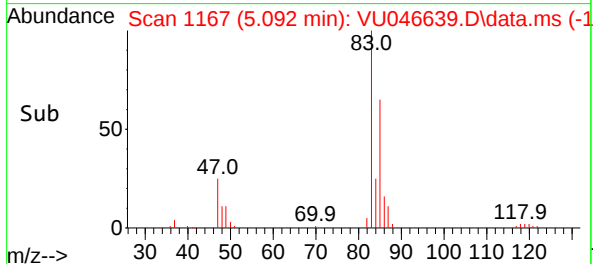
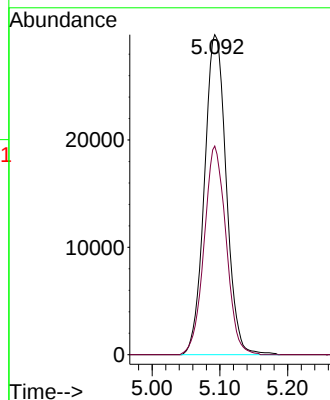
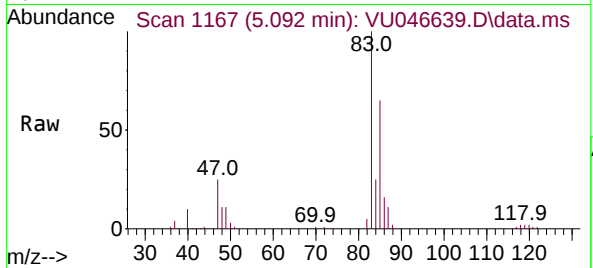




#25
Chloroform
Concen: 5.559 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

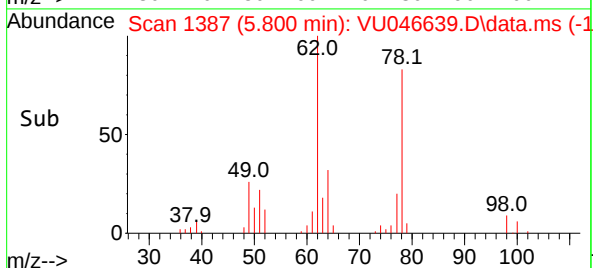
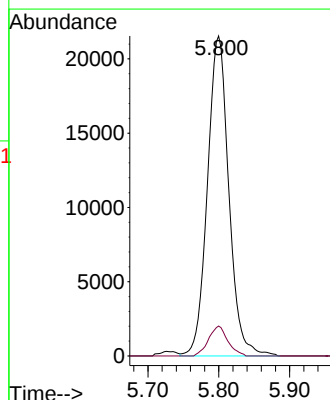
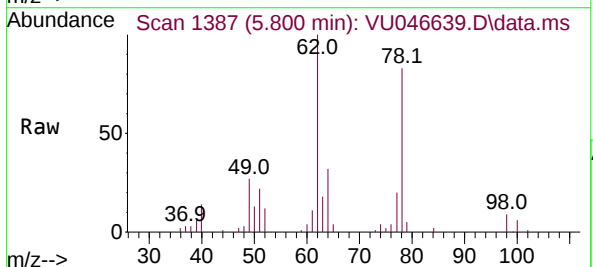
Instrument :
MSVOA_U
ClientSampleId :
BFB

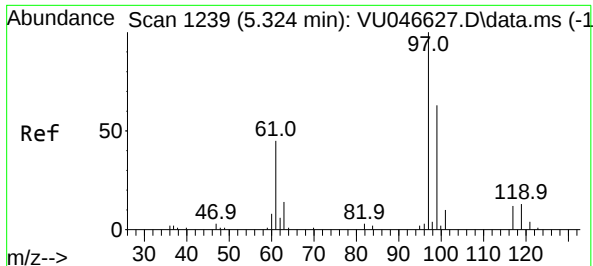
Tgt Ion: 83 Resp: 66826
Ion Ratio Lower Upper
83 100
85 65.2 46.9 87.1



#27
1,2-Dichloroethane
Concen: 5.265 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion: 62 Resp: 45182
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.8

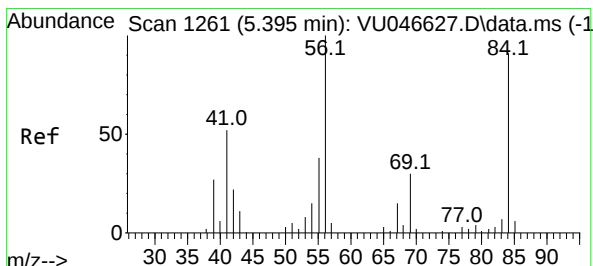
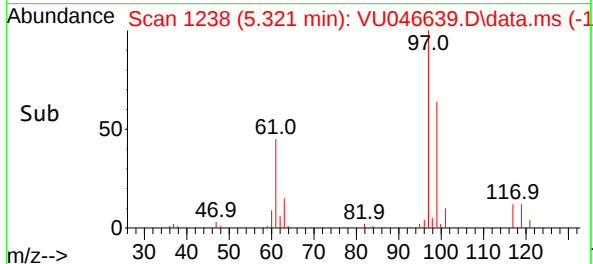
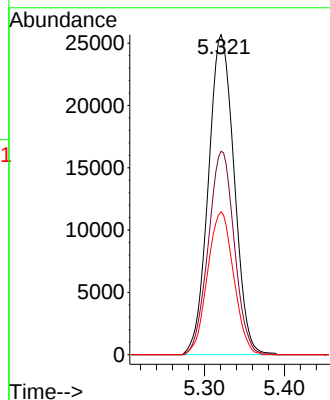
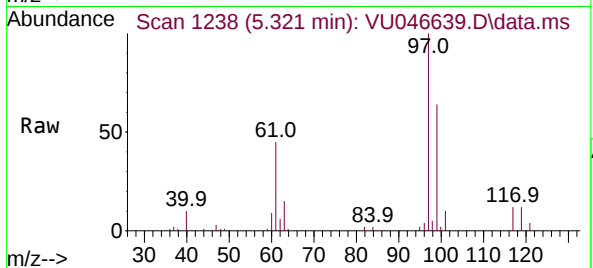




#29
1,1,1-Trichloroethane
Concen: 5.061 ug/L
RT: 5.321 min Scan# 1239
Delta R.T. -0.003 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

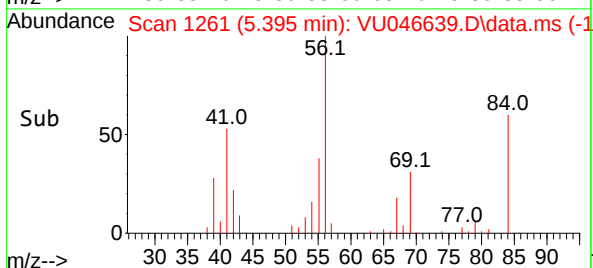
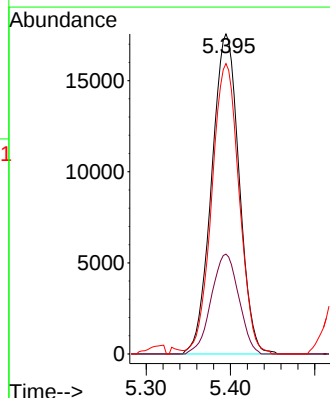
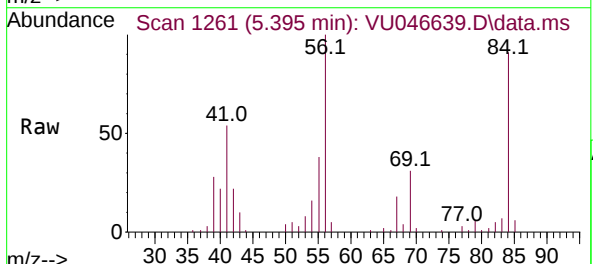
Instrument :
MSVOA_U
ClientSampleId :
BFB

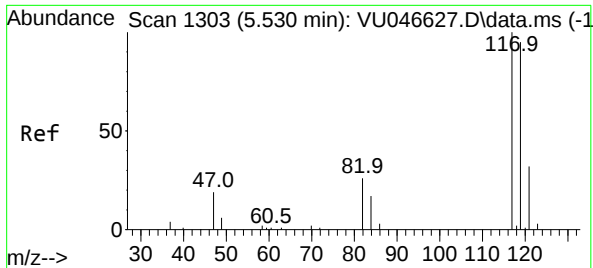
Tgt Ion: 97	Resp: 57517
Ion Ratio	Lower Upper
97 100	
99 64.1	51.3 76.9
61 45.3	36.1 54.1



#30
Cyclohexane
Concen: 4.225 ug/L
RT: 5.395 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion: 56	Resp: 39720
Ion Ratio	Lower Upper
56 100	
69 31.2	24.7 37.1
84 90.3	71.8 107.6

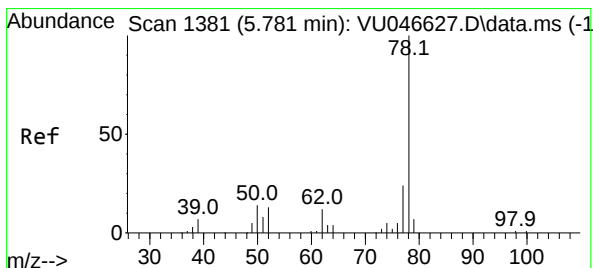
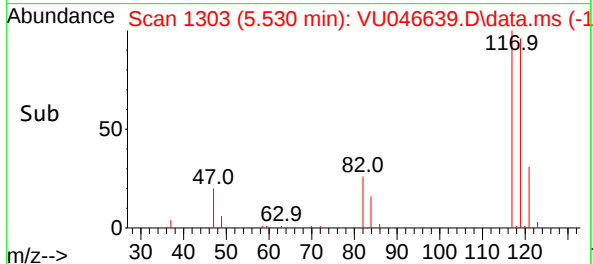
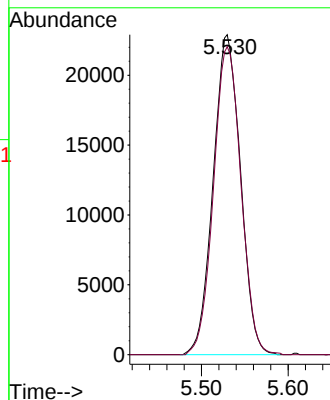
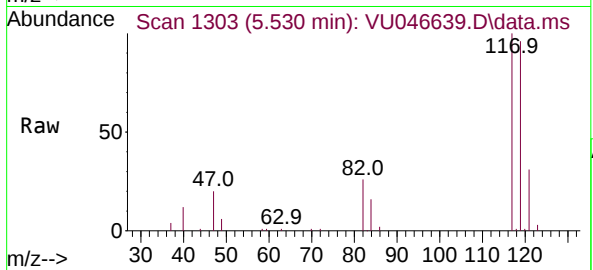




#31
Carbon tetrachloride
Concen: 5.261 ug/L
RT: 5.530 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

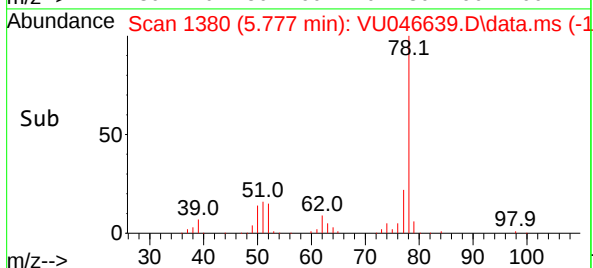
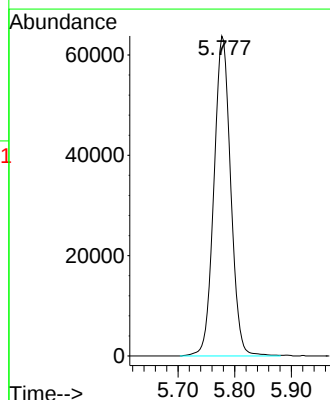
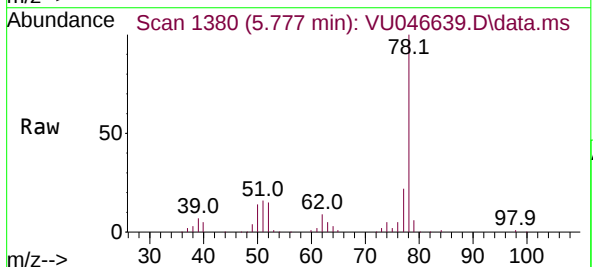
Instrument :
MSVOA_U
ClientSampleId :
BFB

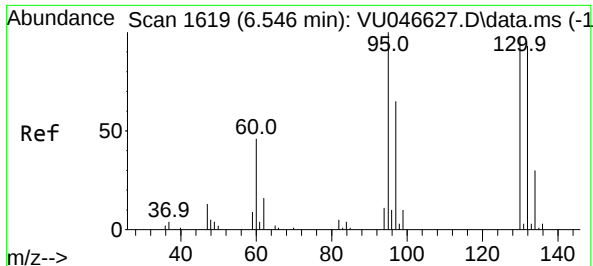
Tgt Ion:117 Resp: 50166
Ion Ratio Lower Upper
117 100
119 96.6 77.5 116.3



#33
Benzene
Concen: 4.811 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion: 78 Resp: 131365



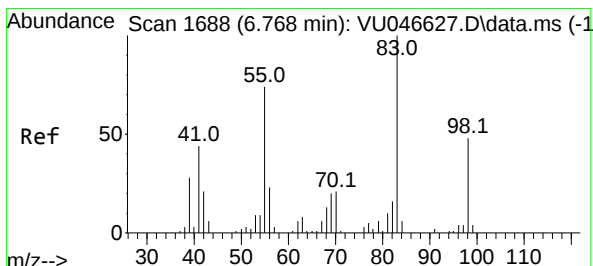
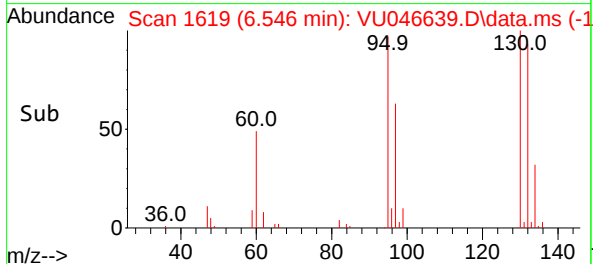
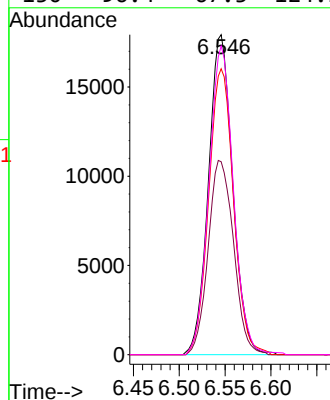
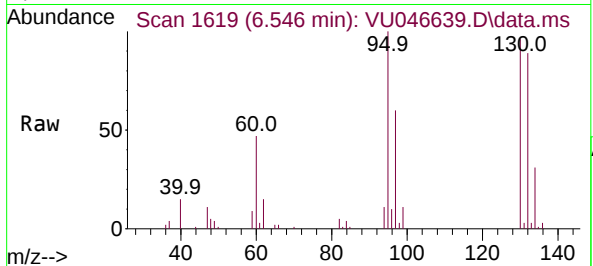


#34
Trichloroethene
Concen: 4.593 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion: 95 Resp: 33061

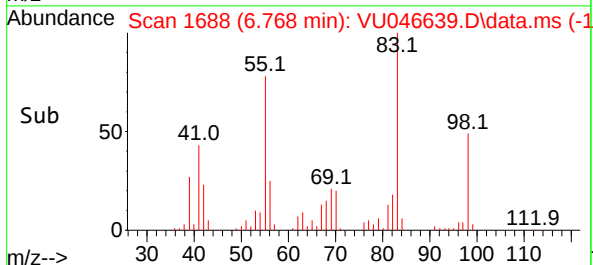
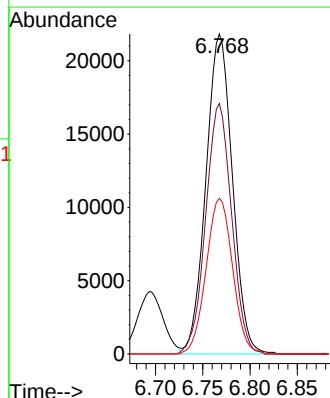
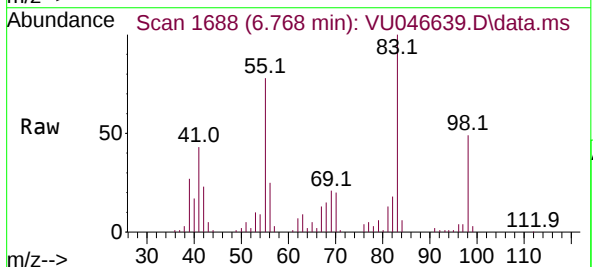
Ion	Ratio	Lower	Upper
95	100		
97	60.3	46.5	86.5
132	89.4	65.1	120.9
130	96.4	67.3	124.9

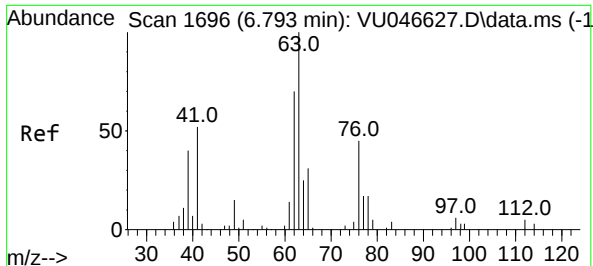


#35
Methylcyclohexane
Concen: 4.196 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion: 83 Resp: 42585

Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.9	92.9
98	48.6	39.0	58.6





#37

1,2-Dichloropropane

Concen: 5.176 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

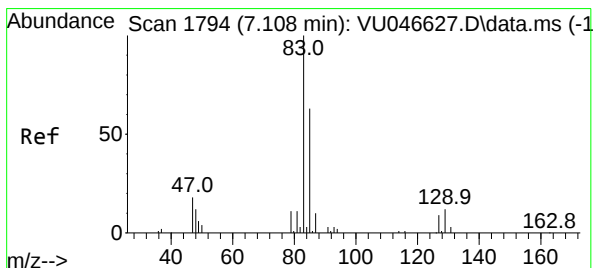
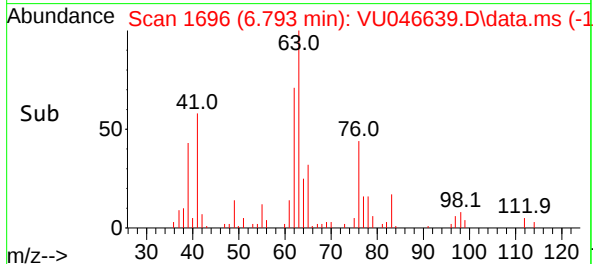
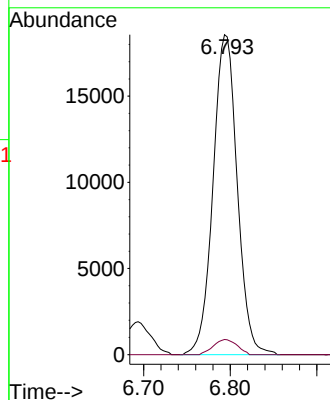
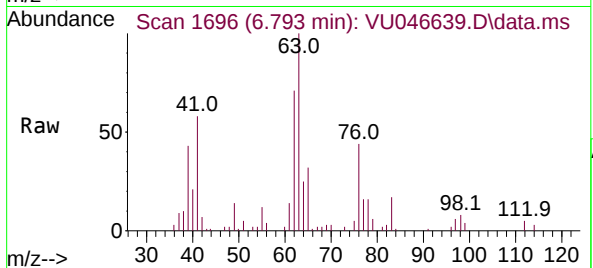
BFB

Tgt Ion: 63 Resp: 36053

Ion Ratio Lower Upper

63 100

112 4.6 3.2 4.8



#38

Bromodichloromethane

Concen: 5.354 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

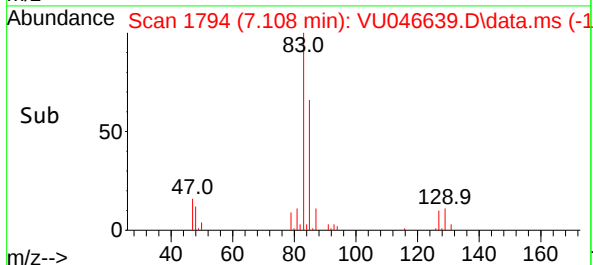
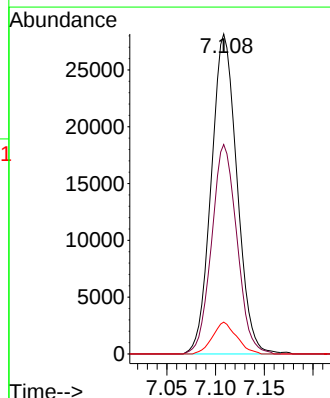
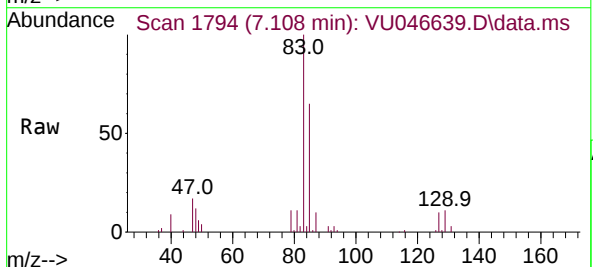
Tgt Ion: 83 Resp: 51622

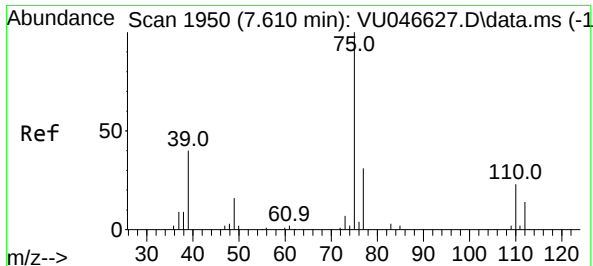
Ion Ratio Lower Upper

83 100

85 65.4 44.0 81.8

127 10.0 6.3 9.5#





#39

cis-1,3-Dichloropropene

Concen: 4.730 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

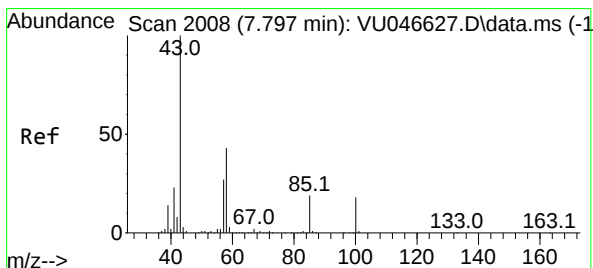
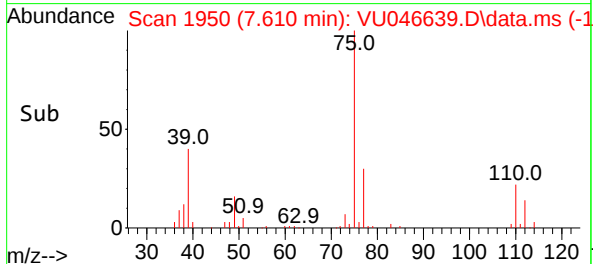
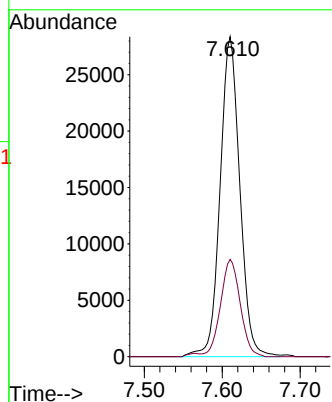
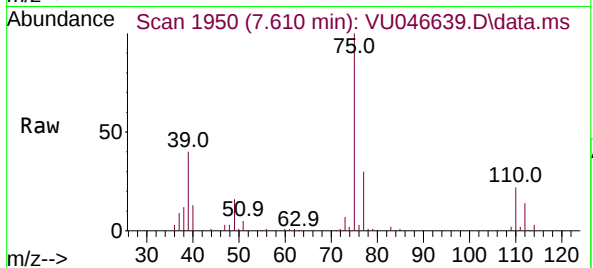
BFB

Tgt Ion: 75 Resp: 49875

Ion Ratio Lower Upper

75 100

77 30.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 48.859 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

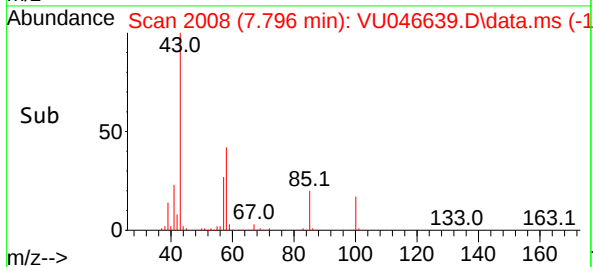
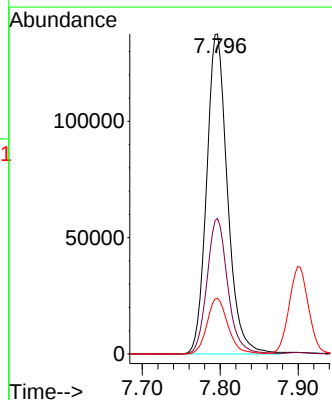
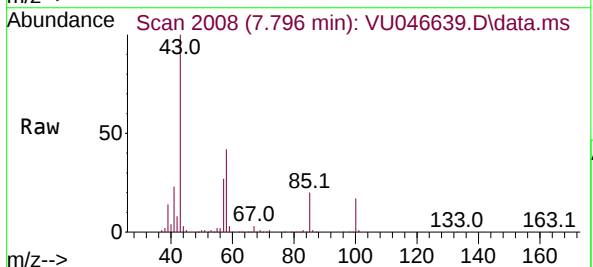
Tgt Ion: 43 Resp: 255467

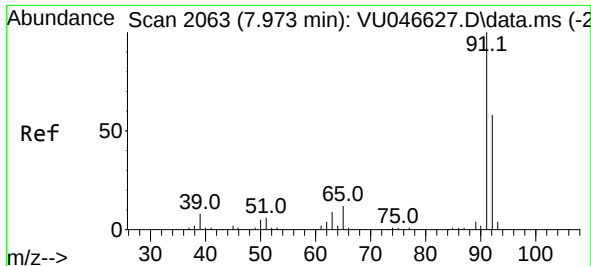
Ion Ratio Lower Upper

43 100

58 42.2 33.1 49.7

100 17.5 13.2 19.8





#42

Toluene

Concen: 4.981 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

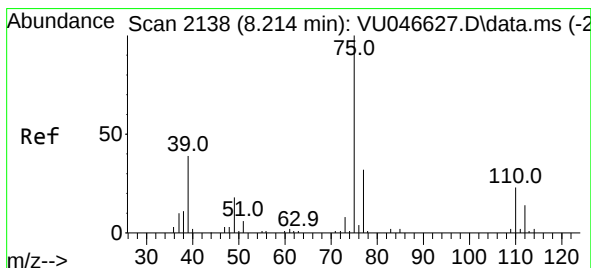
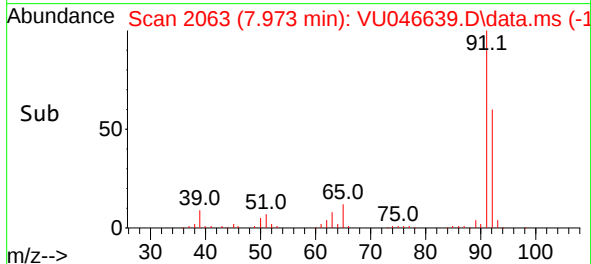
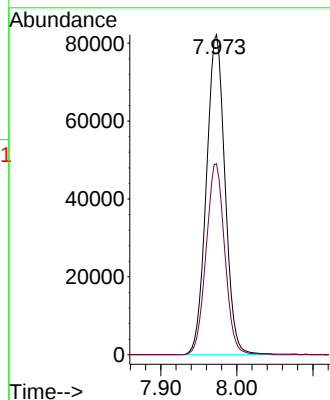
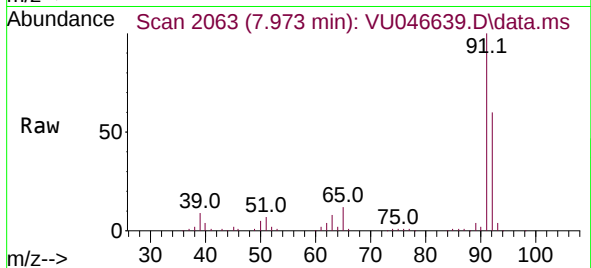
BFB

Tgt Ion: 91 Resp: 139621

Ion Ratio Lower Upper

91 100

92 59.7 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.749 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046639.D

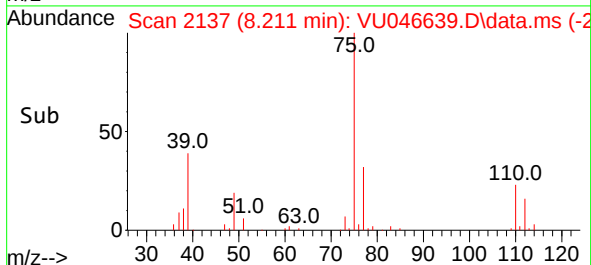
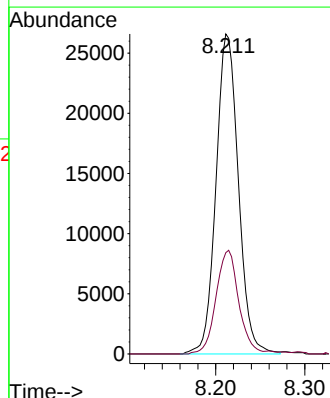
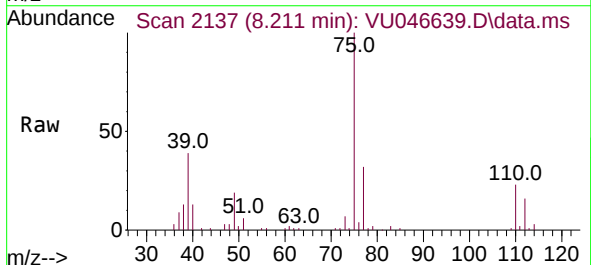
Acq: 29 Dec 2021 20:37

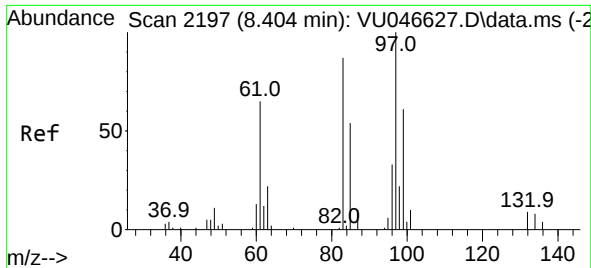
Tgt Ion: 75 Resp: 46399

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.3

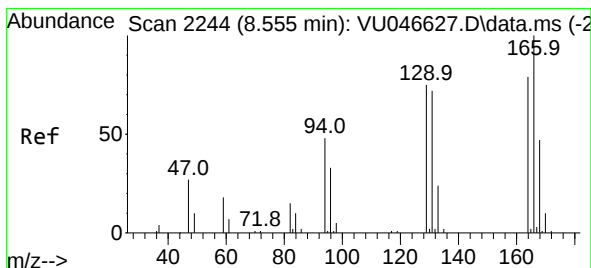
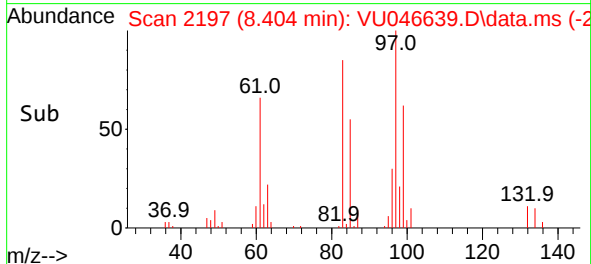
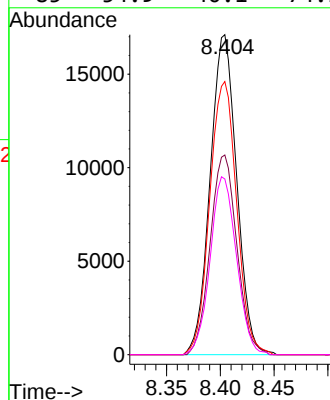
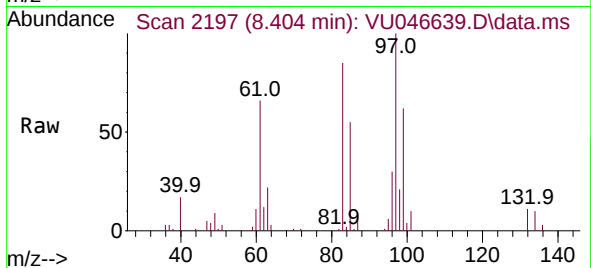




#45
1,1,2-Trichloroethane
Concen: 4.894 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

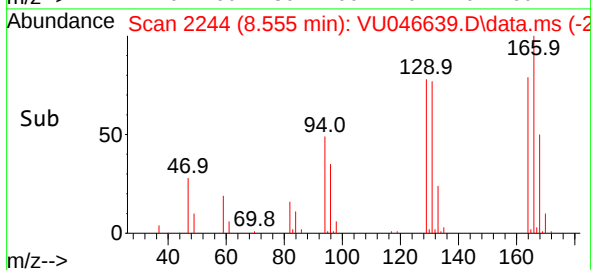
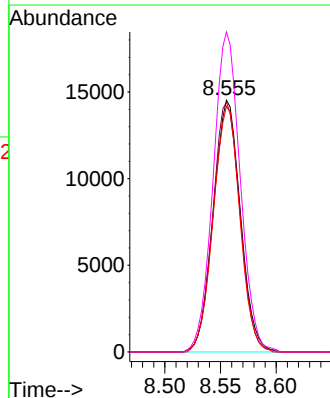
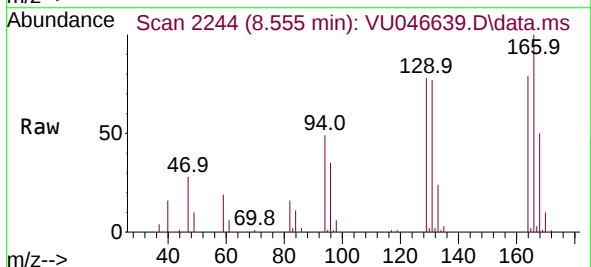
Instrument :
MSVOA_U
ClientSampleId :
BFB

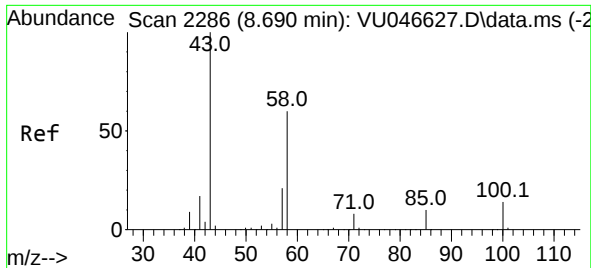
Tgt Ion:	97	Resp:	29400
Ion	Ratio	Lower	Upper
97	100		
99	62.4	42.3	78.5
83	85.4	62.0	115.2
85	54.9	40.1	74.5



#47
Tetrachloroethene
Concen: 4.835 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion:	164	Resp:	24631
Ion	Ratio	Lower	Upper
164	100		
129	99.2	71.8	133.4
131	97.5	68.5	127.3
166	127.1	94.1	174.8

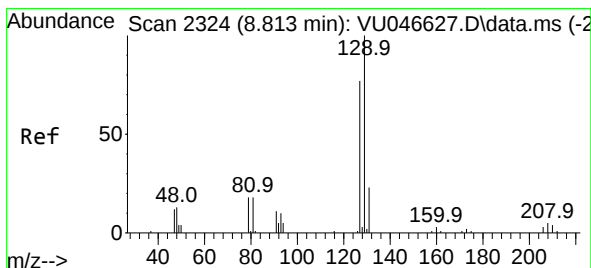
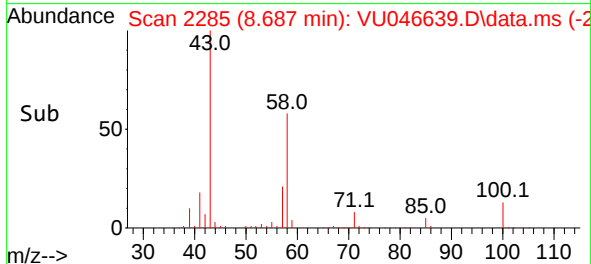
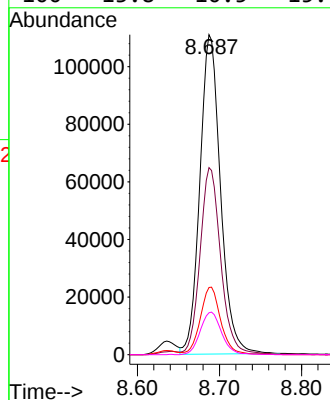
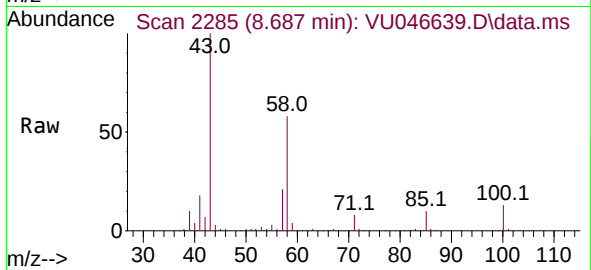




#48
2-Hexanone
Concen: 49.660 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

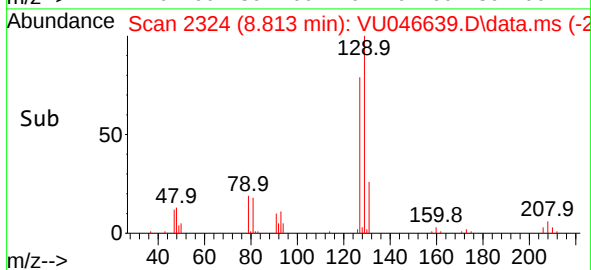
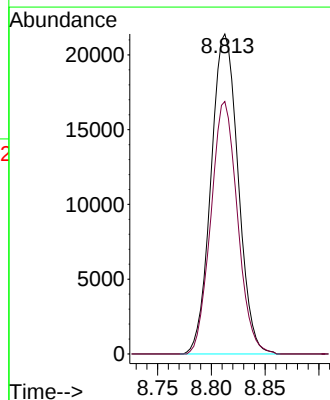
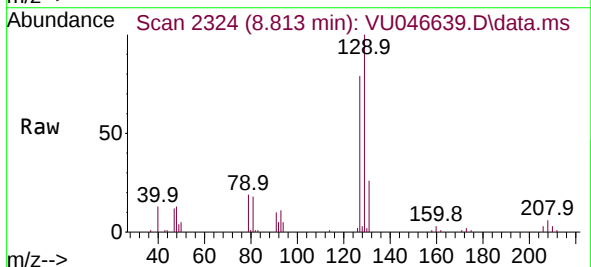
Instrument :
MSVOA_U
ClientSampleId :
BFB

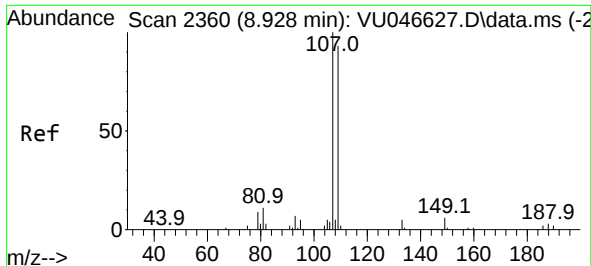
Tgt Ion: 43	Resp: 193914
Ion Ratio	Lower Upper
43 100	
58 58.2	46.7 70.1
57 20.8	16.3 24.5
100 13.8	10.5 15.7



#49
Dibromochloromethane
Concen: 5.420 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion:129	Resp:	37552	
Ion	Ratio	Lower	Upper
129	100		
127	78.9	55.4	102.8





#50

1,2-Dibromoethane

Concen: 4.840 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

BFB

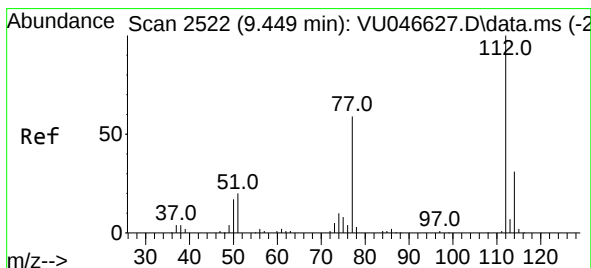
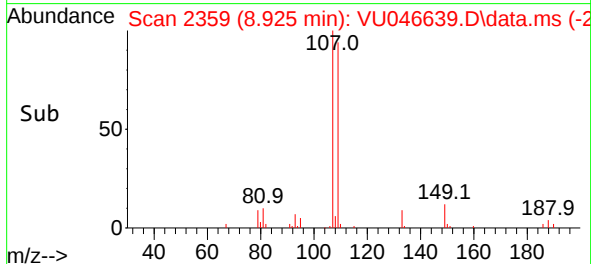
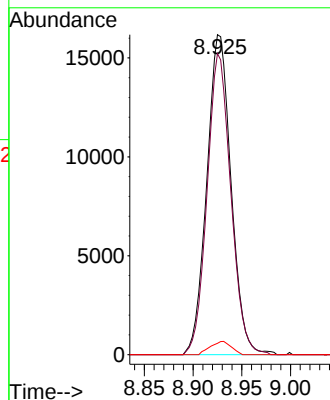
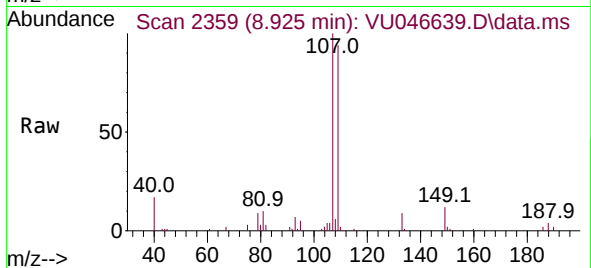
Tgt Ion:107 Resp: 28067

Ion Ratio Lower Upper

107 100

109 94.1 64.0 119.0

188 3.6 2.4 3.6



#51

Chlorobenzene

Concen: 5.013 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

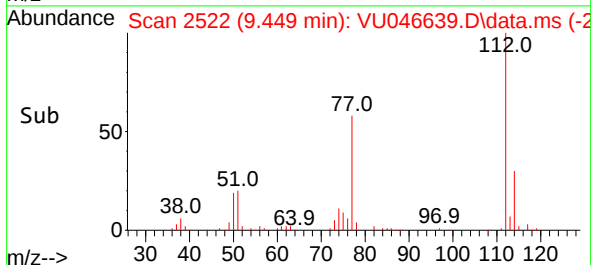
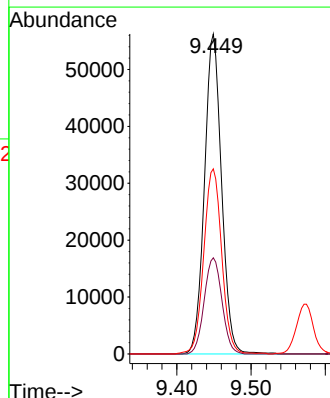
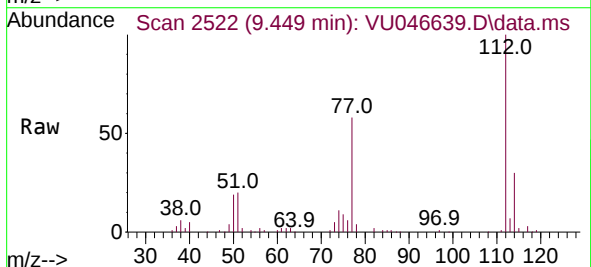
Tgt Ion:112 Resp: 89806

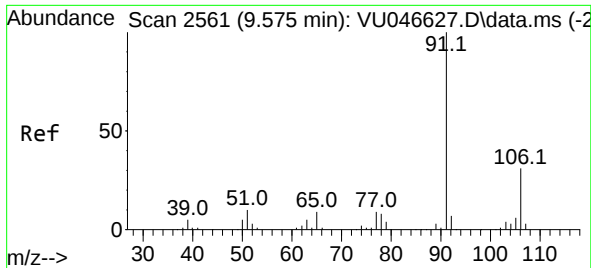
Ion Ratio Lower Upper

112 100

114 30.0 22.1 41.1

77 57.9 48.3 72.5

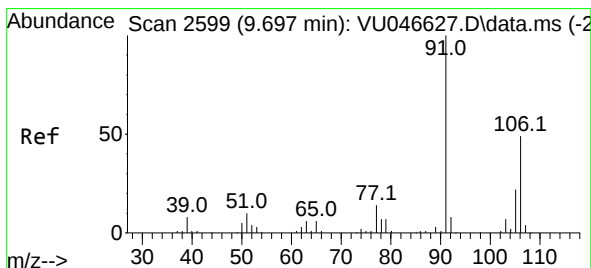
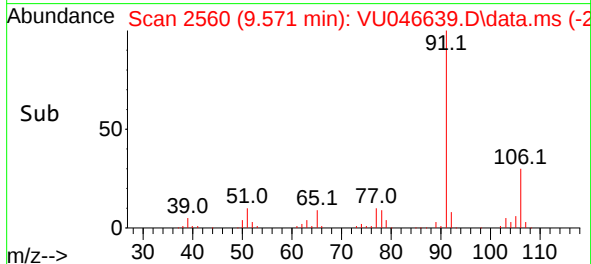
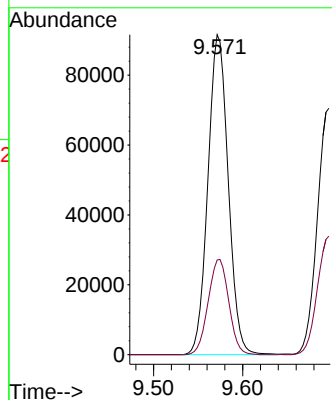
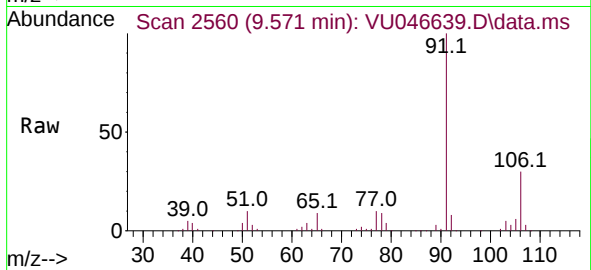




#52
Ethylbenzene
Concen: 4.994 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

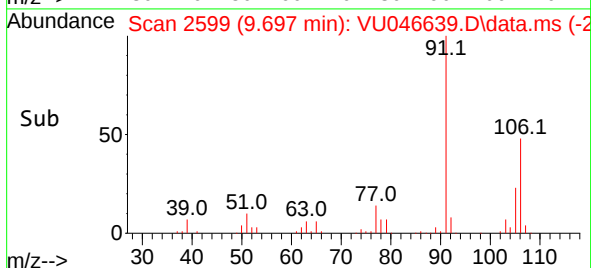
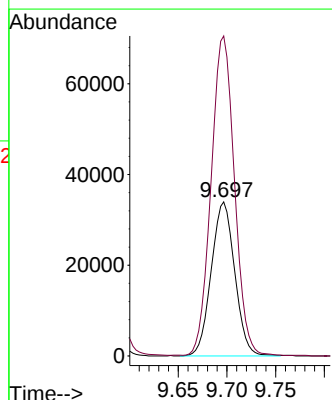
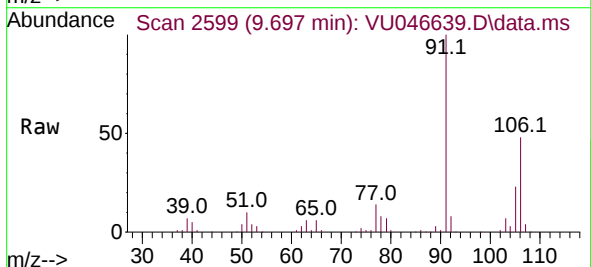
Instrument :
MSVOA_U
ClientSampleId :
BFB

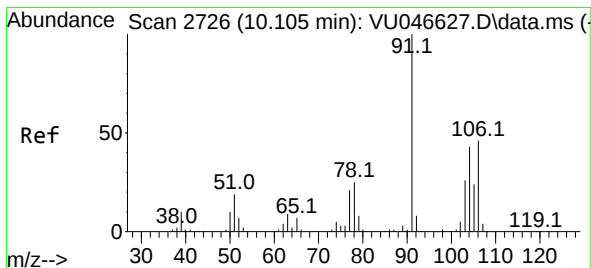
Tgt Ion: 91 Resp: 144897
Ion Ratio Lower Upper
91 100
106 29.6 21.5 39.9



#53
m,p-Xylene
Concen: 5.118 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion: 106 Resp: 56880
Ion Ratio Lower Upper
106 100
91 207.8 139.4 259.0





#54

o-Xylene

Concen: 5.192 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

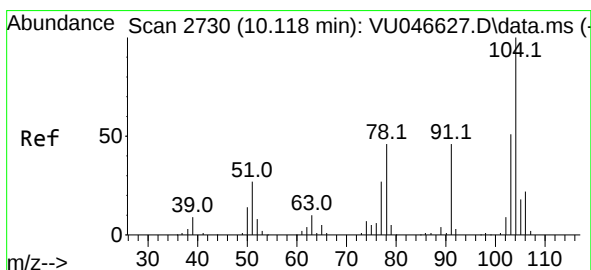
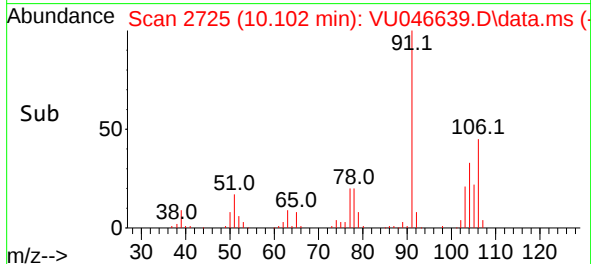
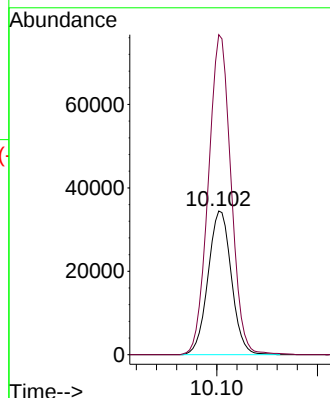
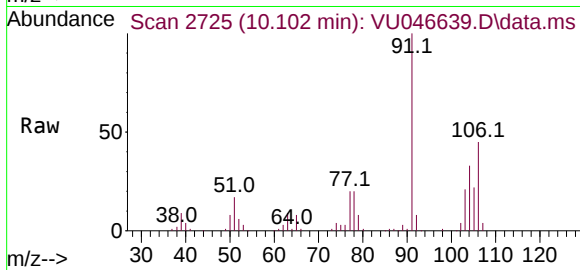
BFB

Tgt Ion:106 Resp: 55449

Ion Ratio Lower Upper

106 100

91 222.8 147.5 273.9



#55

Styrene

Concen: 5.551 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VU046639.D

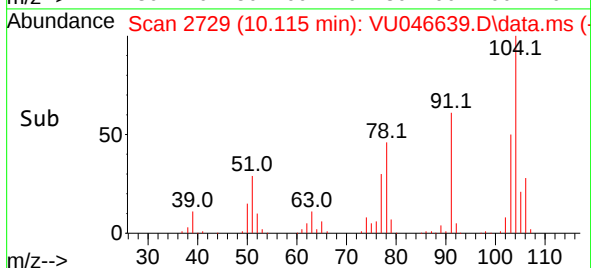
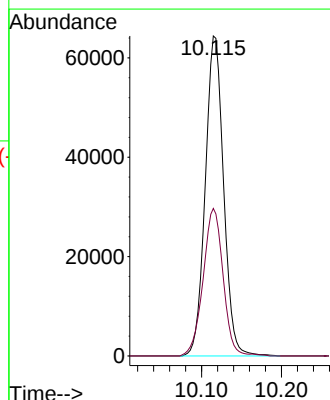
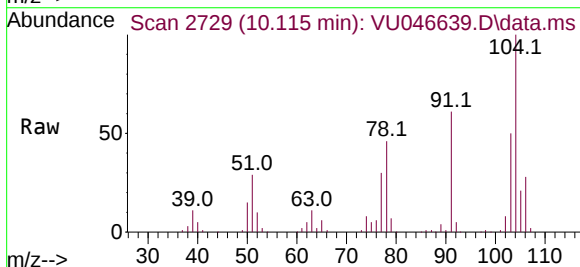
Acq: 29 Dec 2021 20:37

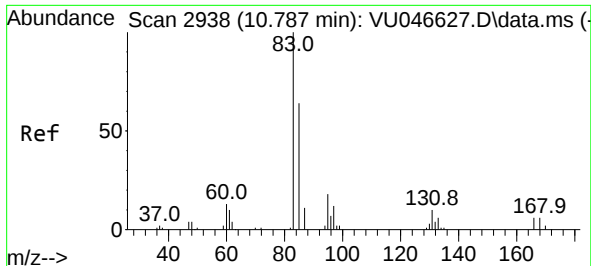
Tgt Ion:104 Resp: 102838

Ion Ratio Lower Upper

104 100

78 46.1 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.121 ug/L

RT: 10.783 min Scan# 2938

Delta R.T. -0.003 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

BFB

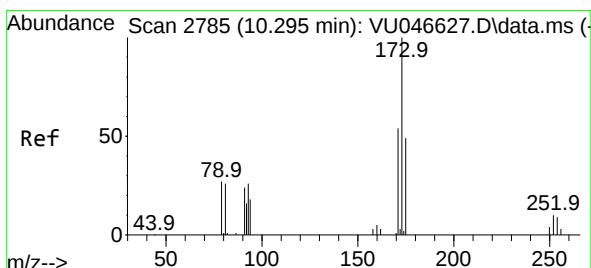
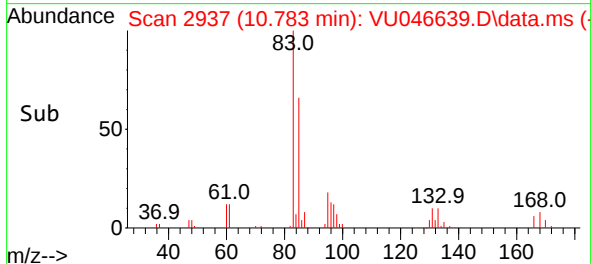
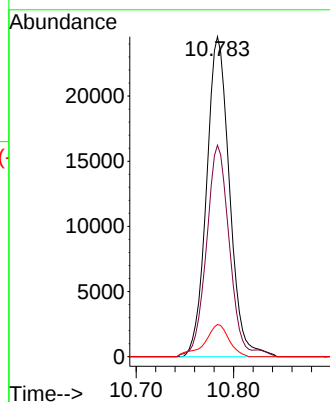
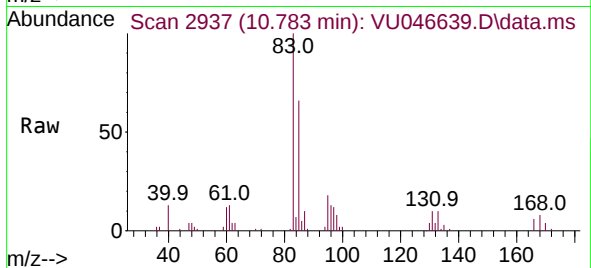
Tgt Ion: 83 Resp: 40196

Ion Ratio Lower Upper

83 100

85 66.1 47.9 89.1

131 10.0 8.1 12.1



#59

Bromoform

Concen: 4.880 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

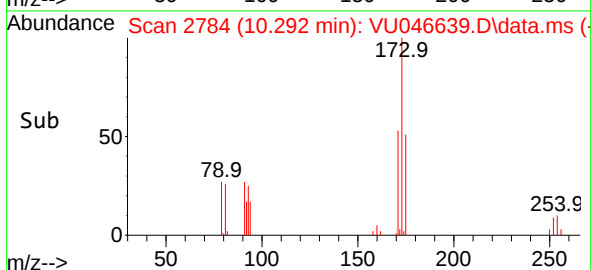
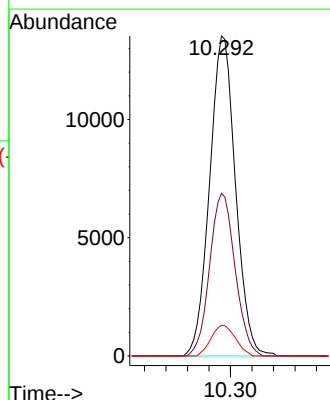
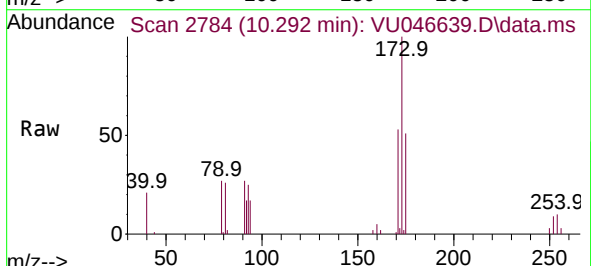
Tgt Ion:173 Resp: 22621

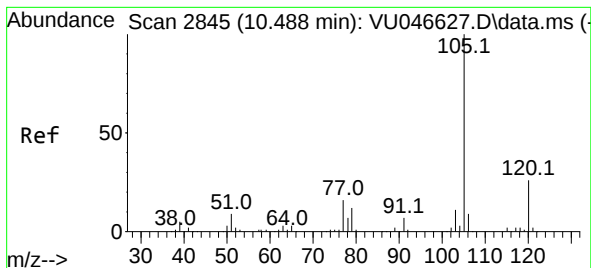
Ion Ratio Lower Upper

173 100

175 49.8 37.8 56.6

254 9.0 7.3 10.9





#60

Isopropylbenzene

Concen: 4.828 ug/L

RT: 10.488 min Scan# 2845

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

BFB

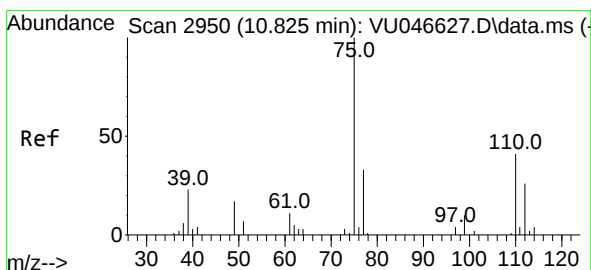
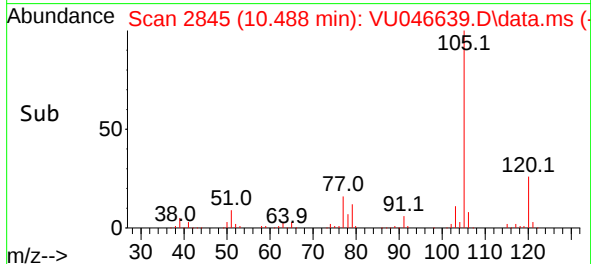
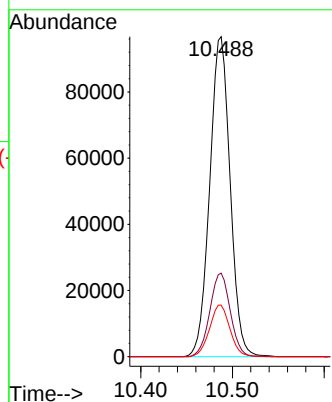
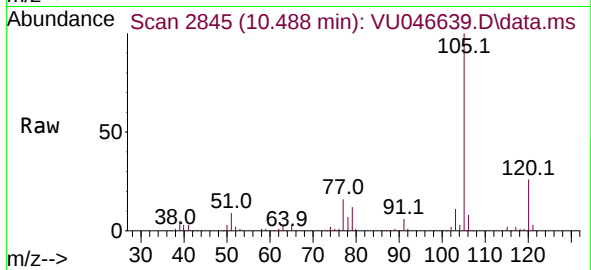
Tgt Ion:105 Resp: 149378

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

77 16.1 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.407 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

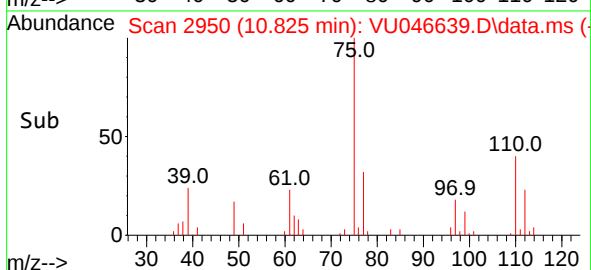
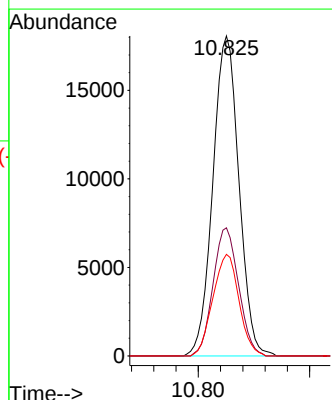
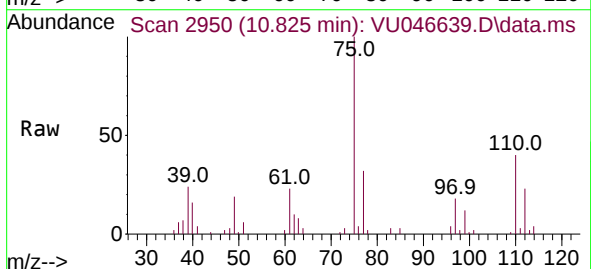
Tgt Ion: 75 Resp: 29364

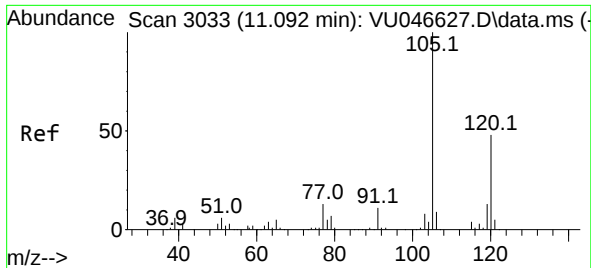
Ion Ratio Lower Upper

75 100

110 39.2 29.9 44.9

77 31.8 25.5 38.3

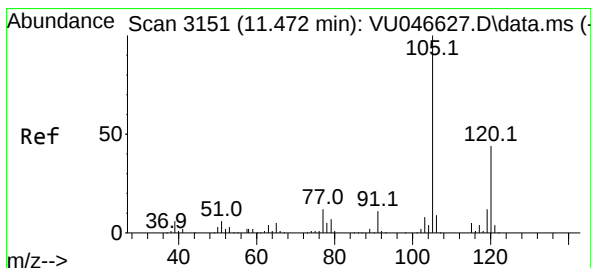
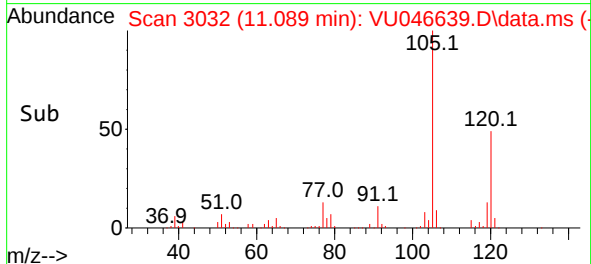
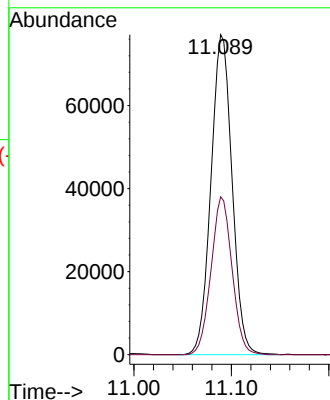
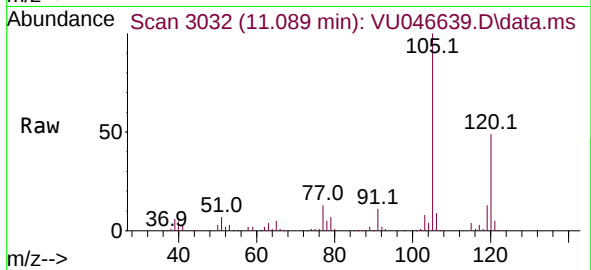




#62
1,3,5-Trimethylbenzene
Concen: 4.504 ug/L
RT: 11.089 min Scan# 3033
Delta R.T. -0.003 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

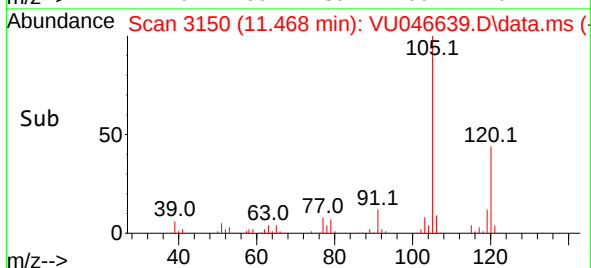
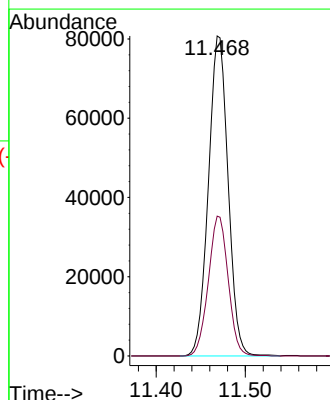
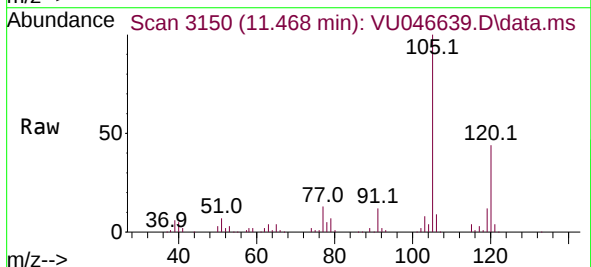
Instrument :
MSVOA_U
ClientSampleId :
BFB

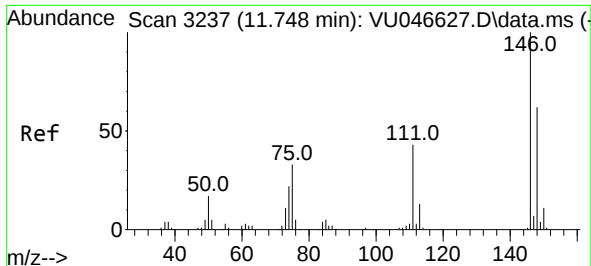
Tgt Ion:105 Resp: 115901
Ion Ratio Lower Upper
105 100
120 49.0 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 4.766 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion:105 Resp: 123508
Ion Ratio Lower Upper
105 100
120 44.0 35.8 53.8

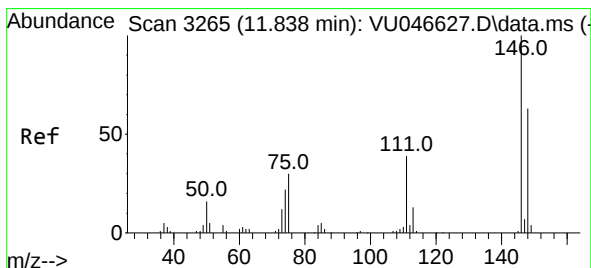
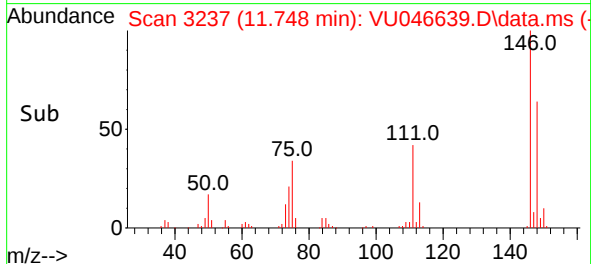
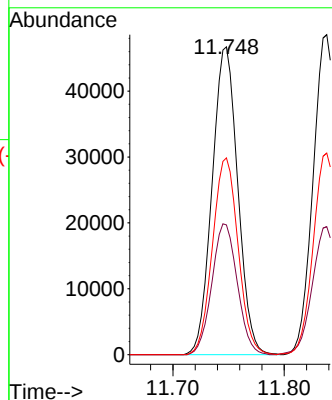
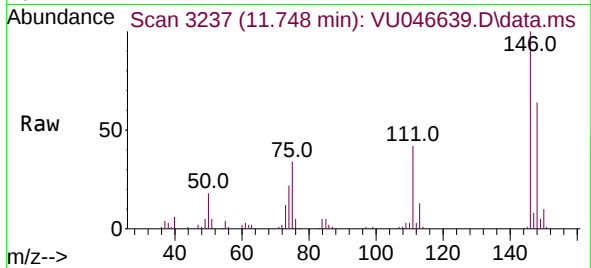




#64
1,3-Dichlorobenzene
Concen: 4.971 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

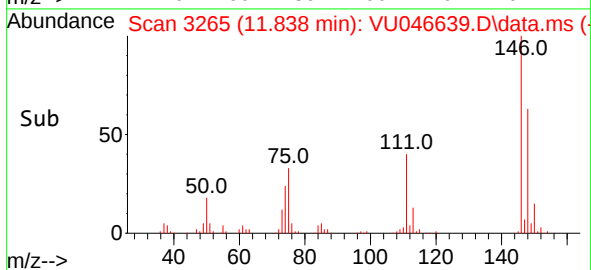
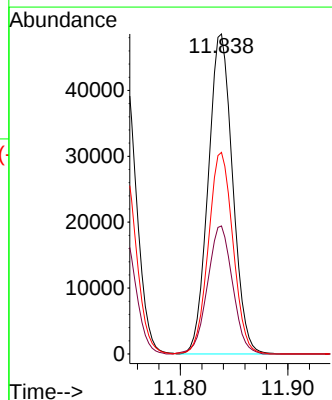
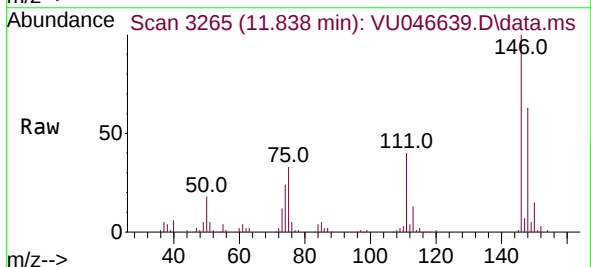
Instrument :
MSVOA_U
ClientSampleId :
BFB

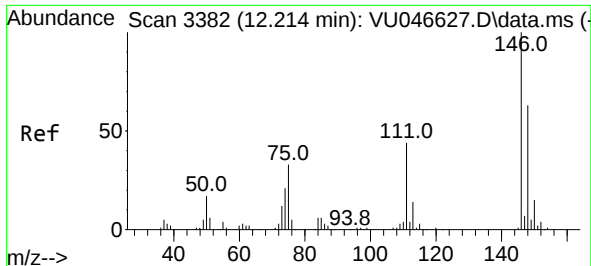
Tgt Ion:146 Resp: 74777
Ion Ratio Lower Upper
146 100
111 42.1 29.9 55.5
148 64.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.977 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion:146 Resp: 76640
Ion Ratio Lower Upper
146 100
111 40.0 28.7 53.3
148 63.0 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 4.833 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

Instrument :

MSVOA_U

ClientSampleId :

BFB

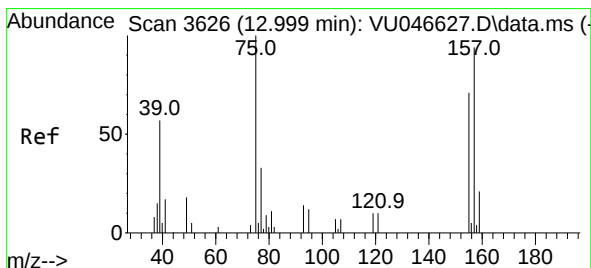
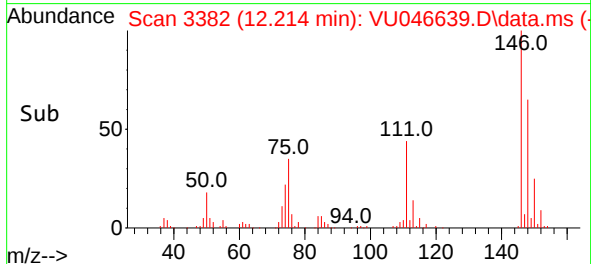
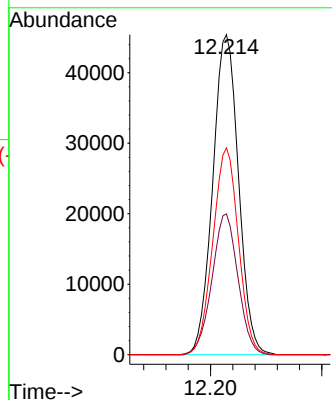
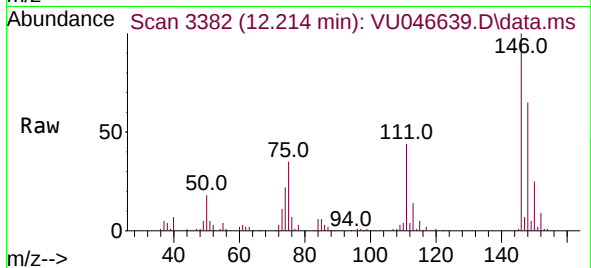
Tgt Ion:146 Resp: 72912

Ion Ratio Lower Upper

146 100

111 44.0 35.4 53.0

148 64.6 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.918 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046639.D

Acq: 29 Dec 2021 20:37

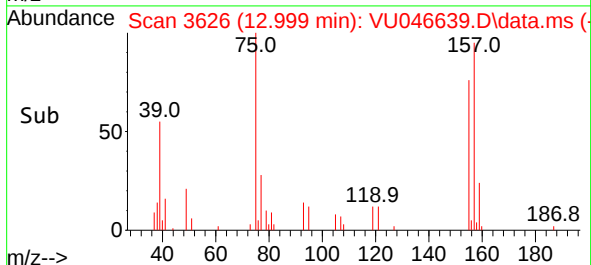
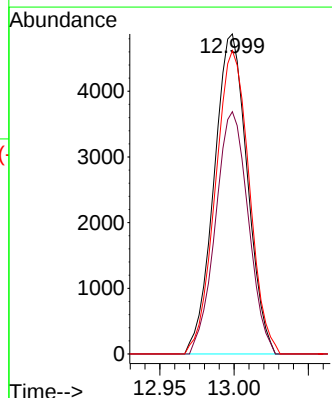
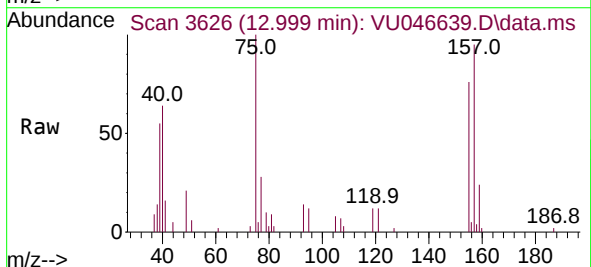
Tgt Ion: 75 Resp: 7585

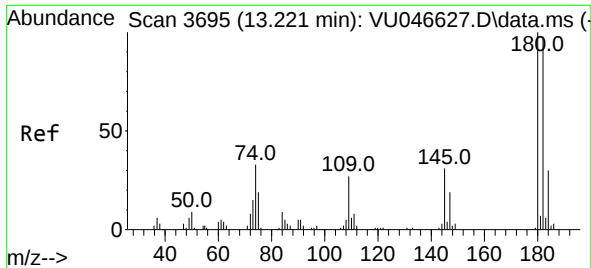
Ion Ratio Lower Upper

75 100

155 75.7 59.2 88.8

157 94.8 76.5 114.7

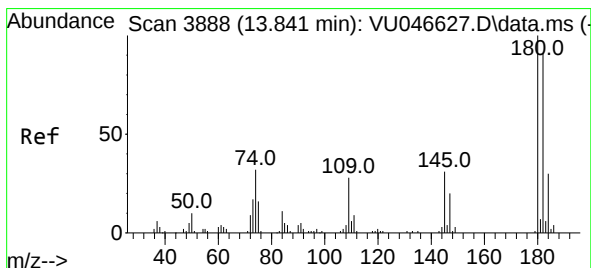
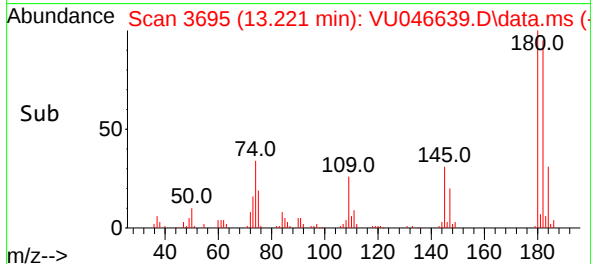
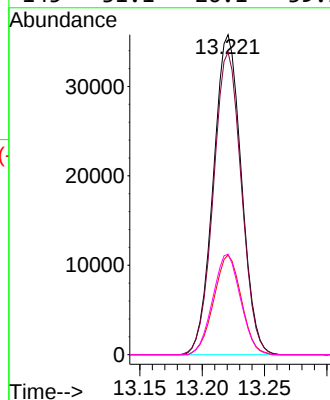
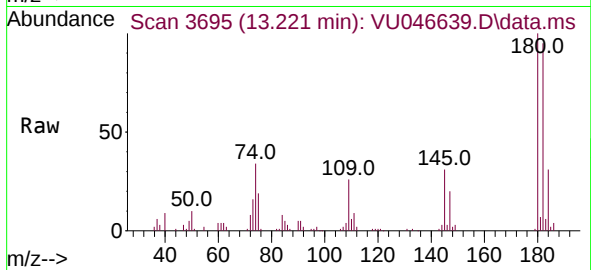




#69
 1,3,5-Trichlorobenzene
 Concen: 4.923 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046639.D
 Acq: 29 Dec 2021 20:37

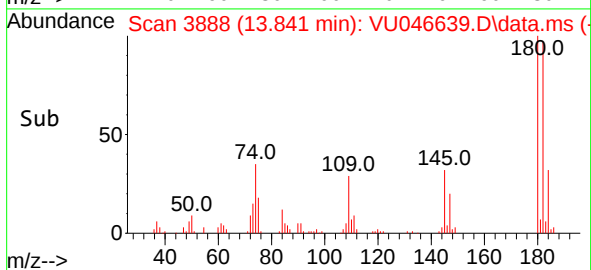
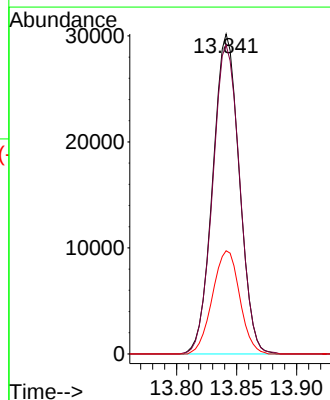
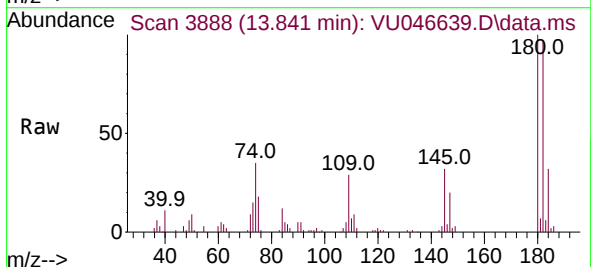
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

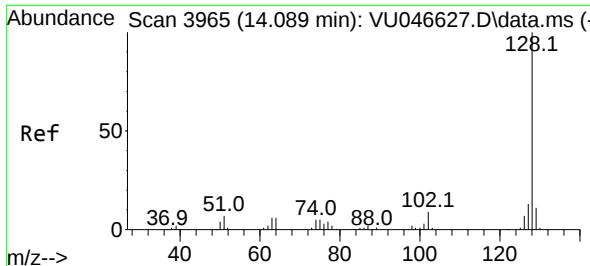
Tgt Ion:180	Resp:	56043
Ion Ratio	Lower	Upper
180	100	
182	94.3	76.1 114.1
184	30.6	25.0 37.4
145	31.1	26.1 39.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.812 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046639.D
 Acq: 29 Dec 2021 20:37

Tgt Ion:180	Resp:	46401
Ion Ratio	Lower	Upper
180	100	
182	98.2	76.4 114.6
145	33.2	25.6 38.4

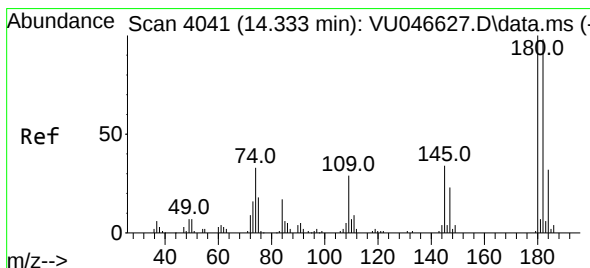
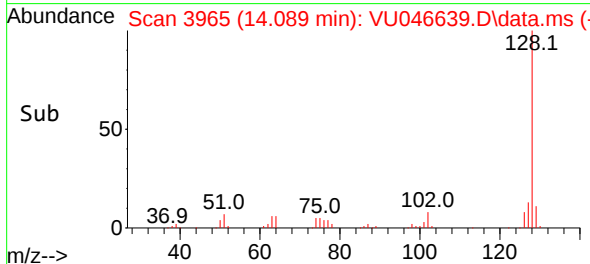
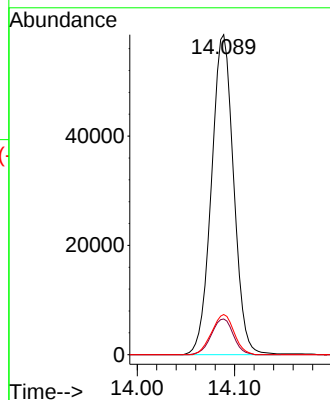
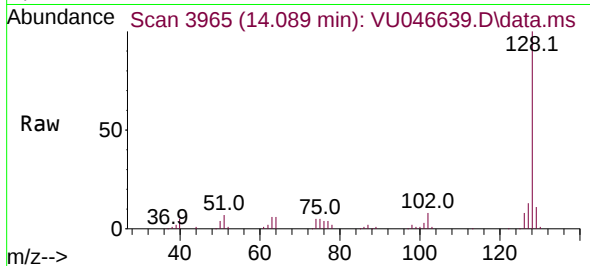




#71
Naphthalene
Concen: 4.324 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:128	Resp:	92584
Ion Ratio	Lower	Upper
128	100	
129	11.1	8.4 12.6
127	12.7	10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.134 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046639.D
Acq: 29 Dec 2021 20:37

Tgt Ion:180	Resp:	49011
Ion Ratio	Lower	Upper
180	100	
182	95.6	76.2 114.4
145	33.5	28.4 42.6

