

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046234.D
 Acq On : 09 Dec 2021 20:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.9mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 03:46:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	179953	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	188838	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	105553	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	88841	59.932	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 119.860%		
7) Chloroethane-d5	1.919	69	63189	55.519	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 111.040%		
11) 1,1-Dichloroethene-d2	2.575	63	147094	55.275	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 110.560%		
21) 2-Butanone-d5	4.639	46	127414	108.124	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 108.120%		
24) Chloroform-d	5.067	84	142324	57.494	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 114.980%		
26) 1,2-Dichloroethane-d4	5.706	65	91601	55.138	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 110.280%		
32) Benzene-d6	5.732	84	297758	55.014	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 110.020%		
36) 1,2-Dichloropropane-d6	6.694	67	90724	54.086	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 108.180%		
41) Toluene-d8	7.899	98	277559	56.323	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 112.640%		
43) trans-1,3-Dichloroprop...	8.179	79	46628	57.584	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 115.160%		
47) 2-Hexanone-d5	8.632	63	91780	115.400	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 115.400%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	137643	54.108	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 108.220%		
66) 1,2-Dichlorobenzene-d4	12.192	152	108337	53.295	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 106.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.388	85	89655	45.793	ug/L	100
3) Chloromethane	1.523	50	80837	46.162	ug/L	100
5) Vinyl chloride	1.607	62	85585	48.471	ug/L	98
6) Bromomethane	1.864	94	51254	51.214	ug/L	97
8) Chloroethane	1.938	64	49681	48.595	ug/L	99
9) Trichlorofluoromethane	2.144	101	115856	50.258	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	68787	52.533	ug/L	97
12) 1,1-Dichloroethene	2.588	96	66397	53.362	ug/L	91
13) Acetone	2.655	43	88544	60.122	ug/L	96
14) Carbon disulfide	2.800	76	183979	47.658	ug/L	99
15) Methyl Acetate	2.957	43	87524	50.980	ug/L	98
16) Methylene chloride	3.051	84	75834	51.226	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	71372	54.202	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	231178	56.968	ug/L	100
19) 1,1-Dichloroethane	3.877	63	131154	54.781	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	82105	57.465	ug/L	96
22) 2-Butanone	4.719	43	132022	82.347	ug/L	95
23) Bromochloromethane	4.980	128	41699	57.786	ug/L	90
25) Chloroform	5.092	83	146842	55.202	ug/L	100

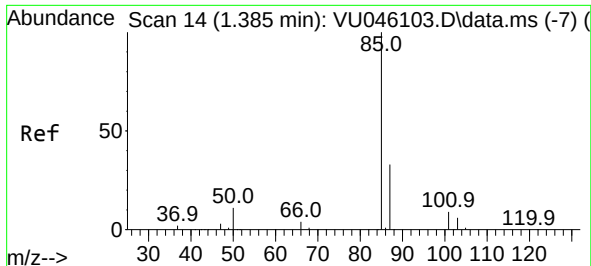
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
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 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	107990	54.708	ug/L	100
29) Cyclohexane	5.395	56	109518	49.806	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	124828	53.852	ug/L	98
31) Carbon tetrachloride	5.530	117	107562	54.659	ug/L	99
33) Benzene	5.777	78	296908	51.949	ug/L	100
34) Trichloroethene	6.546	95	79424	52.750	ug/L	99
35) Methylcyclohexane	6.767	83	114005	48.832	ug/L	99
37) 1,2-Dichloropropane	6.793	63	76592	51.157	ug/L	99
38) Bromodichloromethane	7.108	83	111550	56.055	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	126450	55.517	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	235930	107.254	ug/L	98
42) Toluene	7.970	91	329147	53.670	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	123111	55.033	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	80866	53.836	ug/L	98
46) Tetrachloroethene	8.555	164	59648	53.907	ug/L	97
48) 2-Hexanone	8.684	43	185747	94.418	ug/L	98
49) Dibromochloromethane	8.812	129	93020	58.973	ug/L	96
50) 1,2-Dibromoethane	8.925	107	87971	54.020	ug/L	98
51) Chlorobenzene	9.449	112	214354	54.026	ug/L	97
52) Ethylbenzene	9.571	91	361427	54.760	ug/L	98
53) m,p-Xylene	9.693	106	141430	54.946	ug/L	99
54) o-xylene	10.102	106	137635	55.107	ug/L	99
55) Styrene	10.115	104	244212	57.271	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	138792	53.895	ug/L	99
59) Bromoform	10.291	173	70206	56.698	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	115897	50.089	ug/L	98
61) Isopropylbenzene	10.484	105	364536	53.080	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	308617	53.913	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	311124	54.325	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	172546	52.892	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	175533	52.063	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	172427	52.486	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	35048	56.859	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	122439	51.510	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	115105	54.570	ug/L	99
71) Naphthalene	14.086	128	437380	59.588	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	117483	54.619	ug/L	99

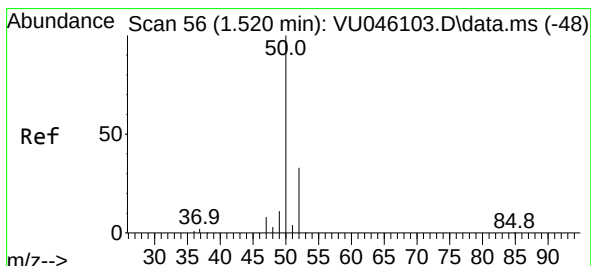
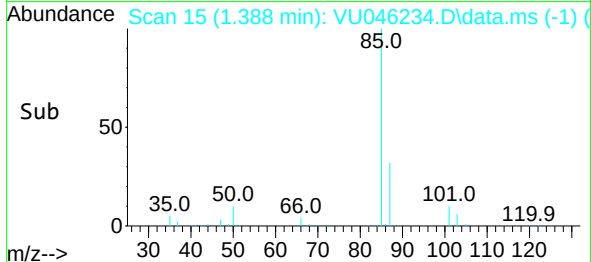
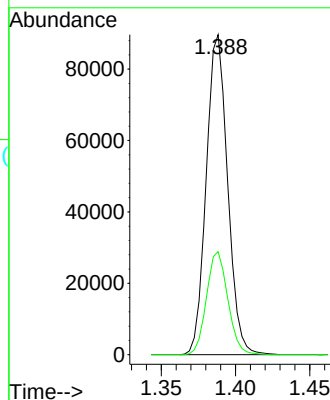
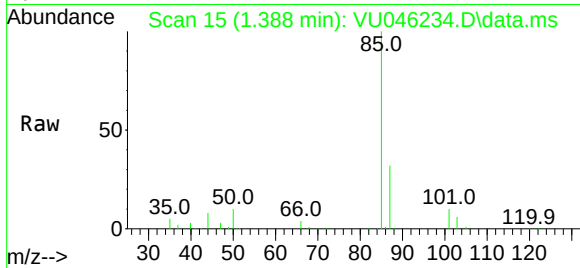
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#2
Dichlorodifluoromethane
Concen: 45.793 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

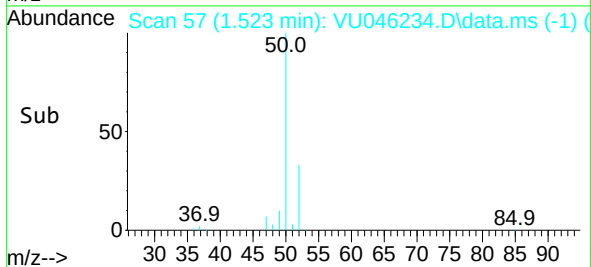
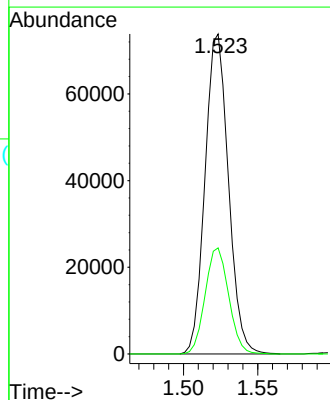
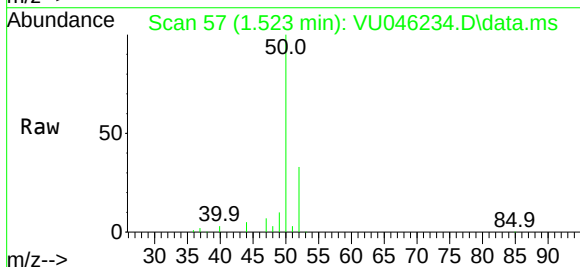
Instrument :
MSVOA_U
ClientSampleId :

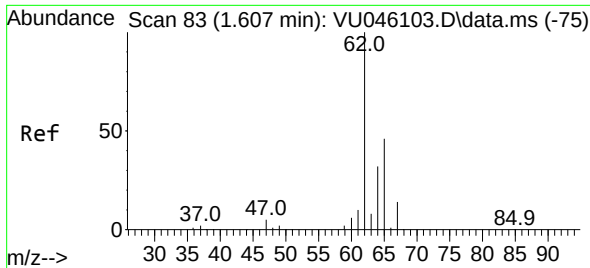
Tgt Ion: 85 Resp: 89655
Ion Ratio Lower Upper
85 100
87 32.1 25.7 38.5



#3
Chloromethane
Concen: 46.162 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Tgt Ion: 50 Resp: 80837
Ion Ratio Lower Upper
50 100
52 33.2 23.2 43.2

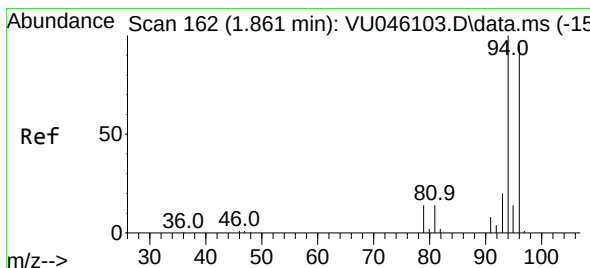
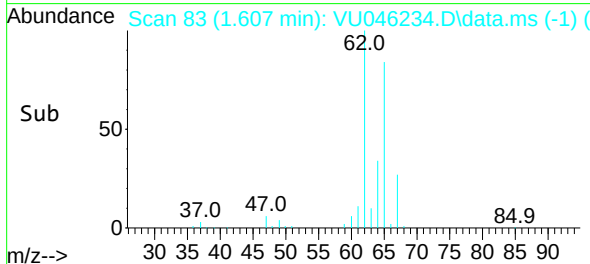
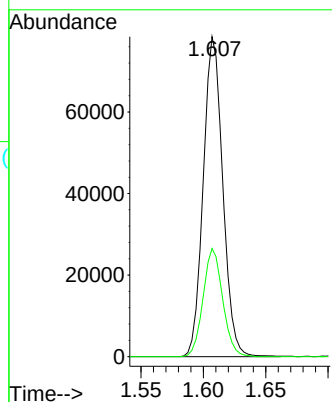
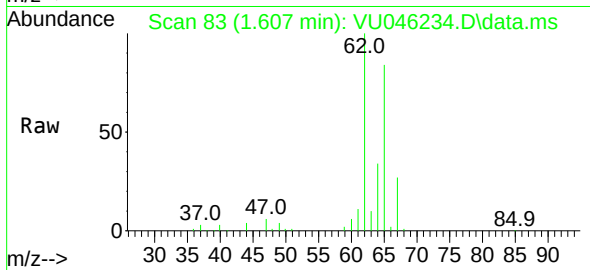




#5
 Vinyl chloride
 Concen: 48.471 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046234.D
 Acq: 09 Dec 2021 20:42

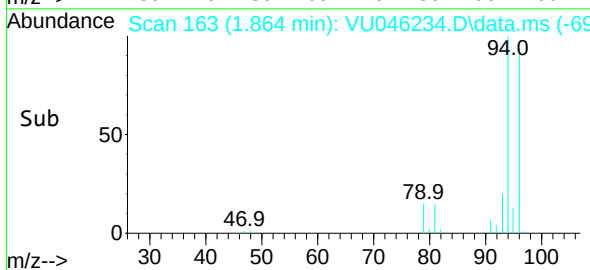
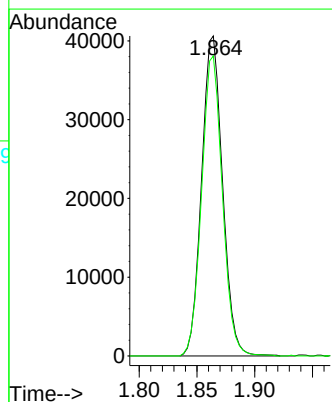
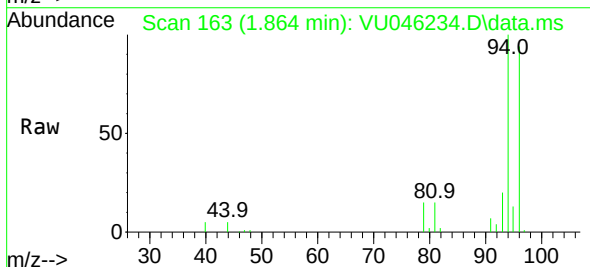
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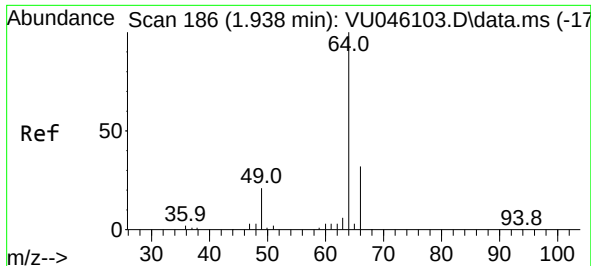
Tgt Ion: 62 Resp: 85585
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.9 42.5



#6
 Bromomethane
 Concen: 51.214 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU046234.D
 Acq: 09 Dec 2021 20:42

Tgt Ion: 94 Resp: 51254
 Ion Ratio Lower Upper
 94 100
 96 93.8 67.4 125.2

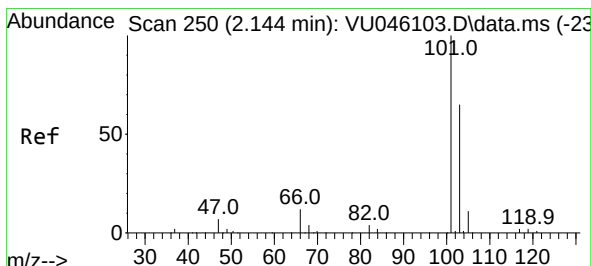
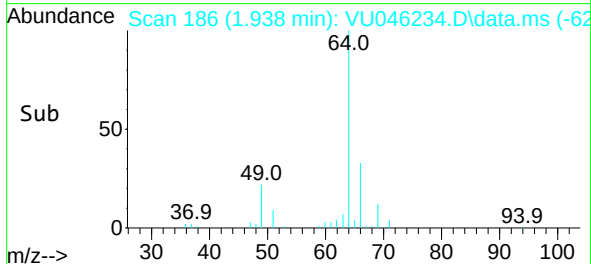
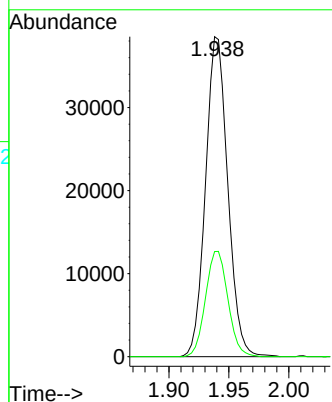
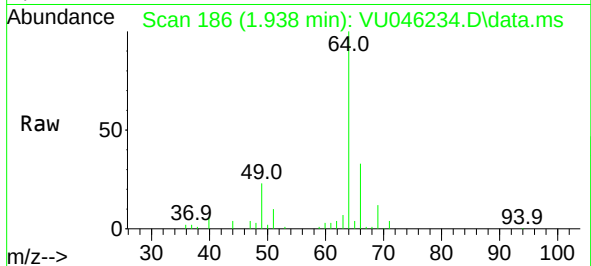




#8
Chloroethane
Concen: 48.595 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

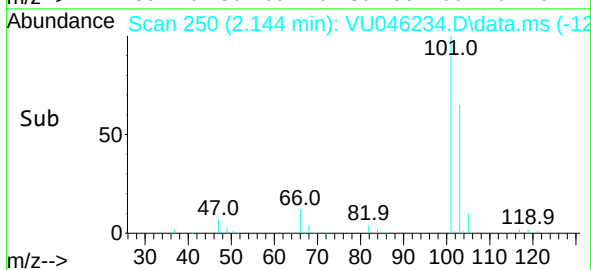
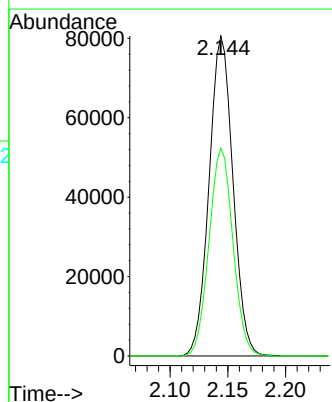
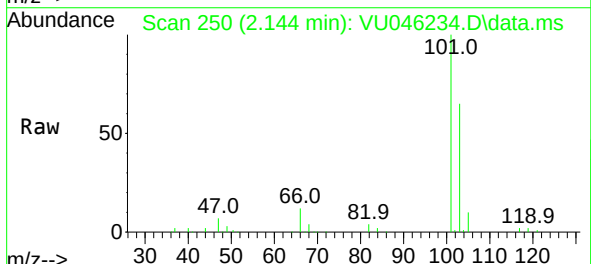
Instrument :
MSVOA_U
ClientSampleId :

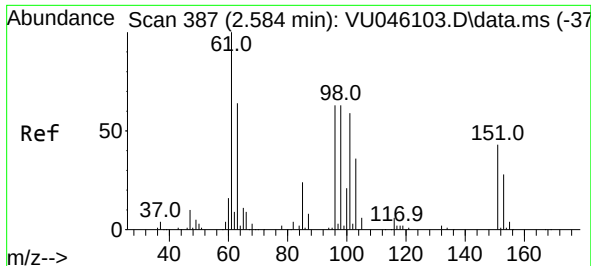
Tgt Ion: 64 Resp: 49681
Ion Ratio Lower Upper
64 100
66 32.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 50.258 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Tgt Ion:101 Resp: 115856
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 52.533 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :

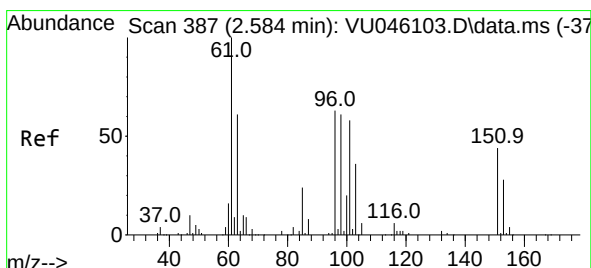
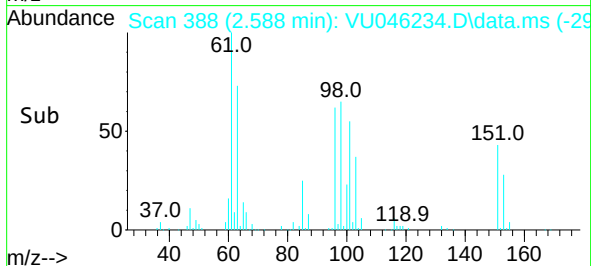
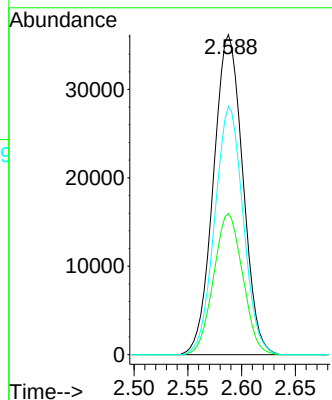
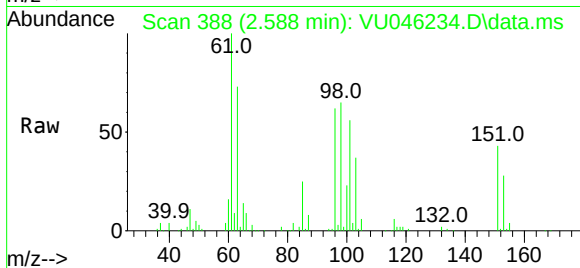
Tgt Ion:101 Resp: 68787

Ion Ratio Lower Upper

101 100

85 43.7 35.1 52.7

151 75.3 56.7 85.1



#12

1,1-Dichloroethene

Concen: 53.362 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.003 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

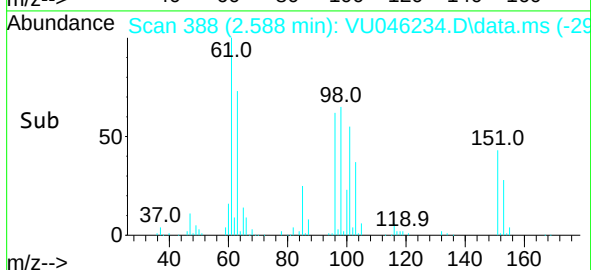
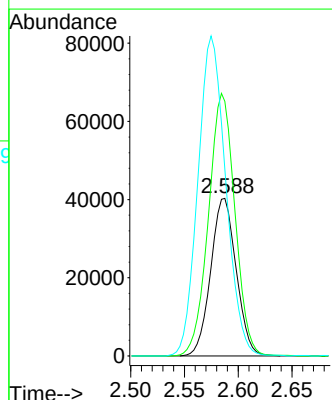
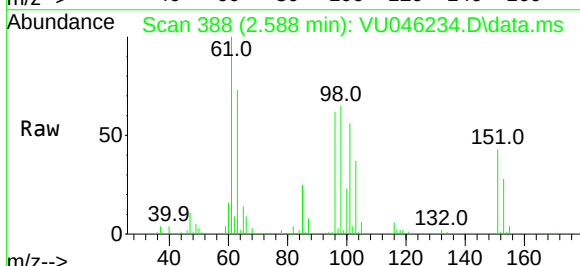
Tgt Ion: 96 Resp: 66397

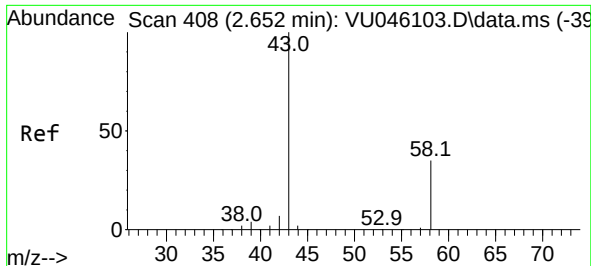
Ion Ratio Lower Upper

96 100

61 161.5 118.6 220.2

63 118.6 93.0 172.8





#13

Acetone

Concen: 60.122 ug/L

RT: 2.655 min Scan# 408

Delta R.T. -0.006 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

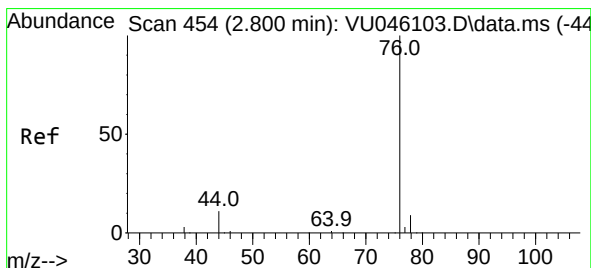
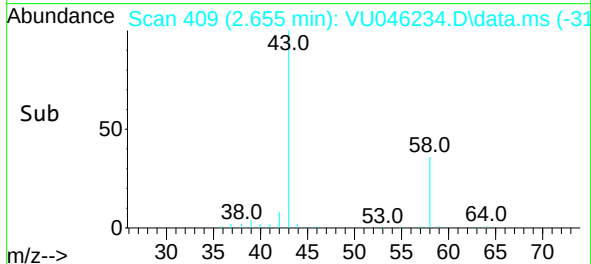
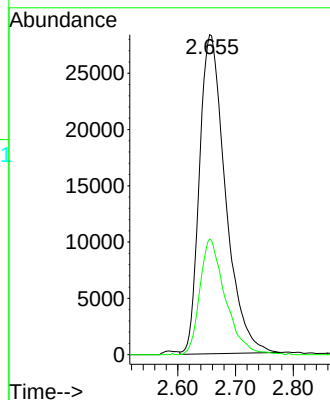
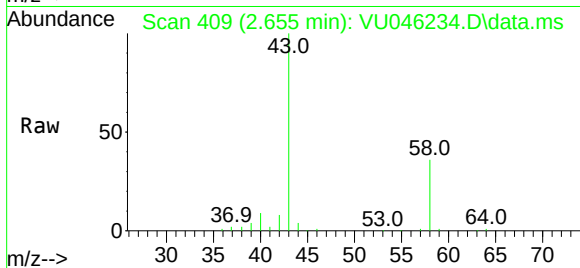
ClientSampleId :

Tgt Ion: 43 Resp: 88544

Ion Ratio Lower Upper

43 100

58 35.5 0.0 66.8



#14

Carbon disulfide

Concen: 47.658 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046234.D

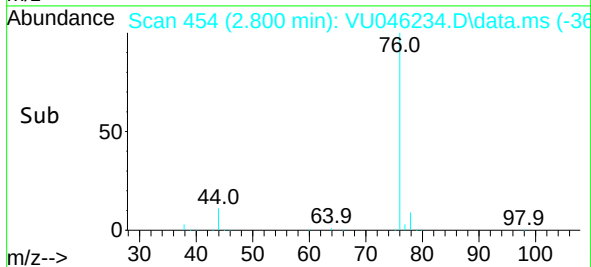
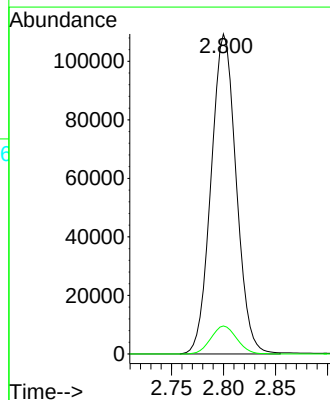
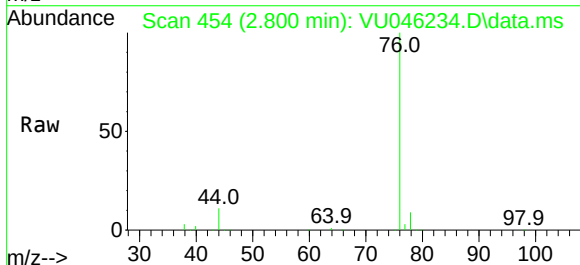
Acq: 09 Dec 2021 20:42

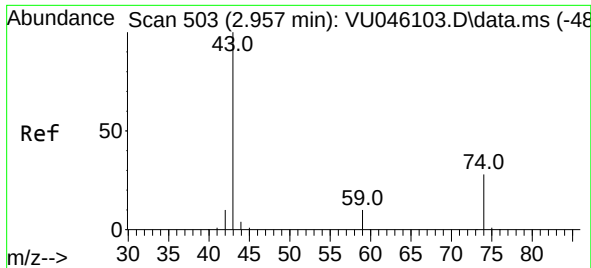
Tgt Ion: 76 Resp: 183979

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

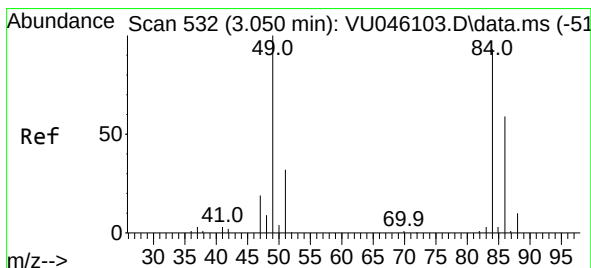
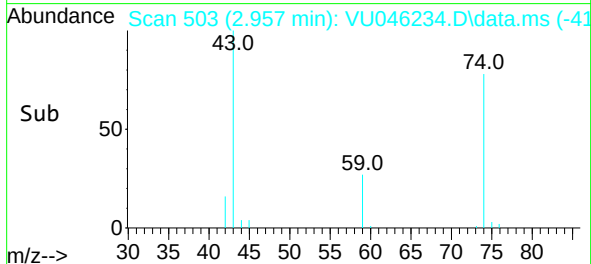
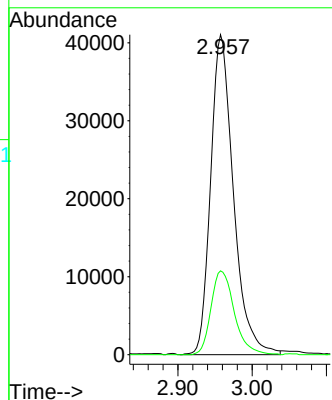
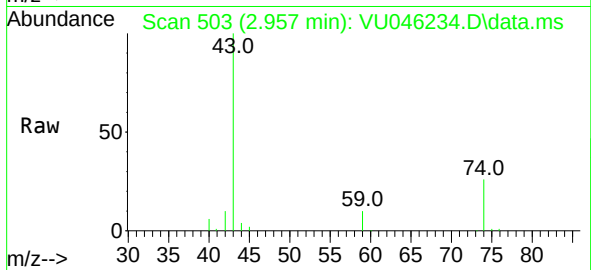




#15
Methyl Acetate
Concen: 50.980 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

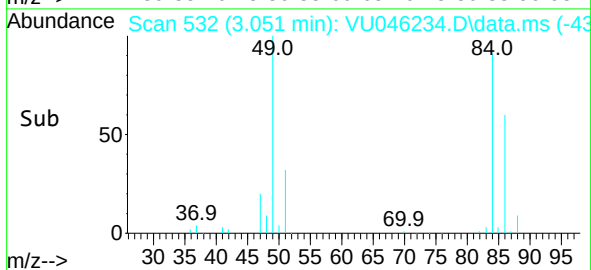
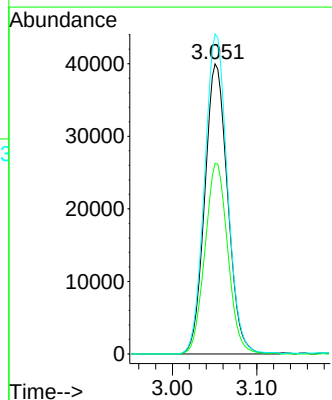
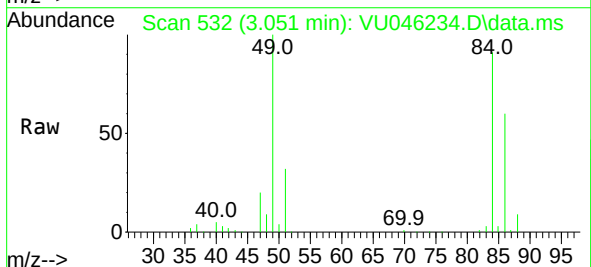
Instrument :
MSVOA_U
ClientSampleId :

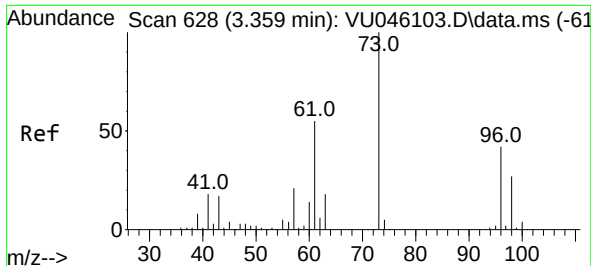
Tgt Ion: 43 Resp: 87524
Ion Ratio Lower Upper
43 100
74 26.8 20.8 31.2



#16
Methylene chloride
Concen: 51.226 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Tgt Ion: 84 Resp: 75834
Ion Ratio Lower Upper
84 100
86 65.7 44.7 83.1
49 110.3 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 54.202 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :

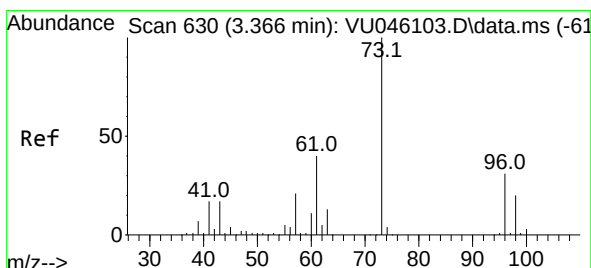
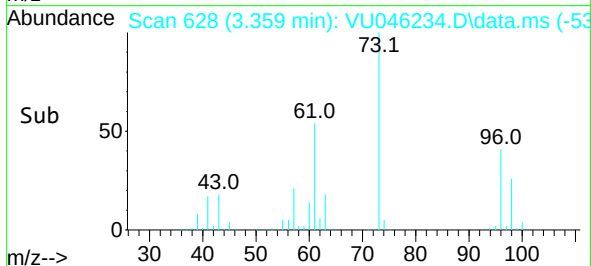
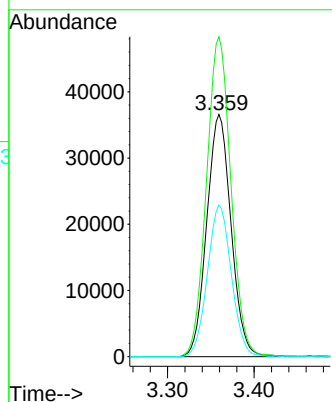
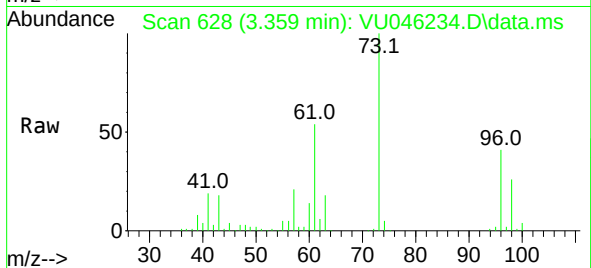
Tgt Ion: 96 Resp: 71372

Ion Ratio Lower Upper

96 100

61 132.1 94.6 175.6

98 62.6 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 56.968 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.003 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

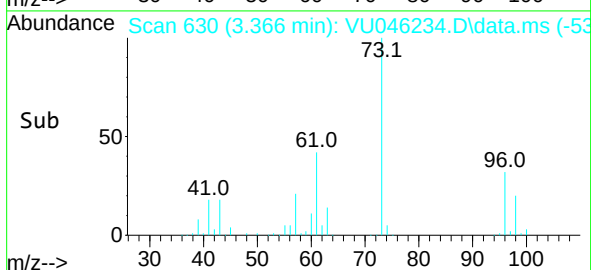
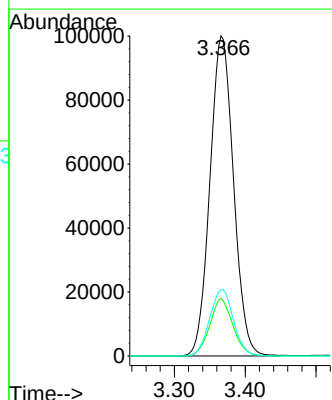
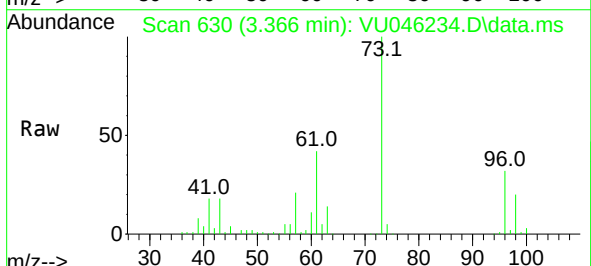
Tgt Ion: 73 Resp: 231178

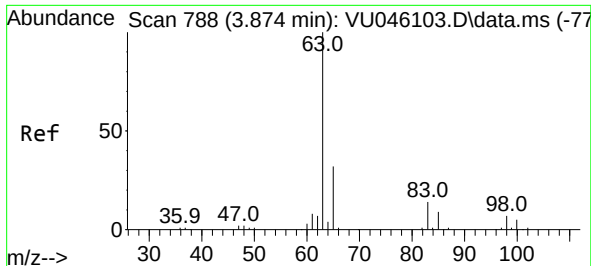
Ion Ratio Lower Upper

73 100

43 17.6 14.0 21.0

57 21.0 17.0 25.4





#19

1,1-Dichloroethane

Concen: 54.781 ug/L

RT: 3.877 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :

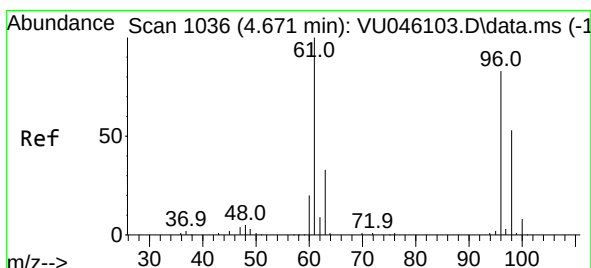
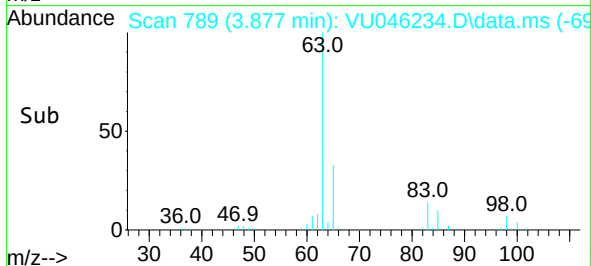
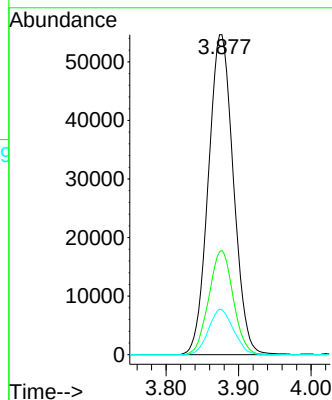
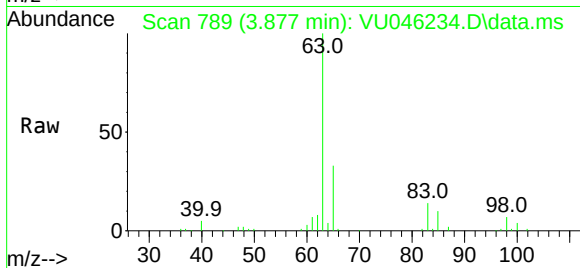
Tgt Ion: 63 Resp: 131154

Ion Ratio Lower Upper

63 100

65 32.5 22.8 42.4

83 14.1 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 57.465 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

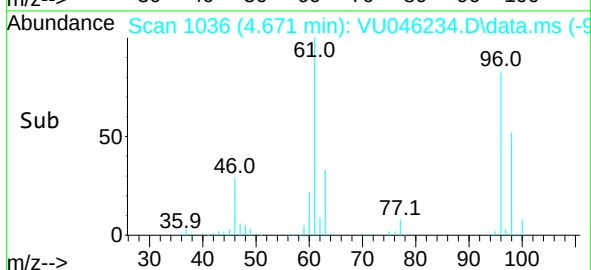
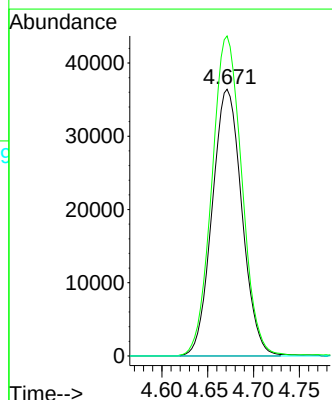
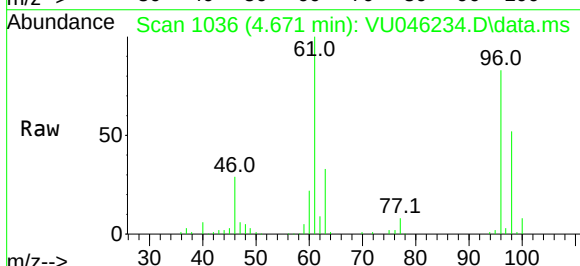
Tgt Ion: 96 Resp: 82105

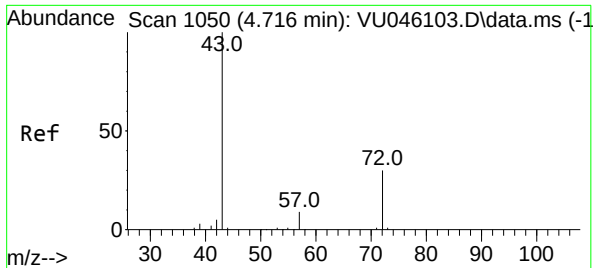
Ion Ratio Lower Upper

96 100

61 120.0 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 82.347 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. -0.003 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

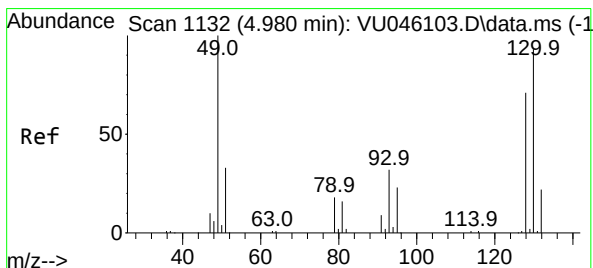
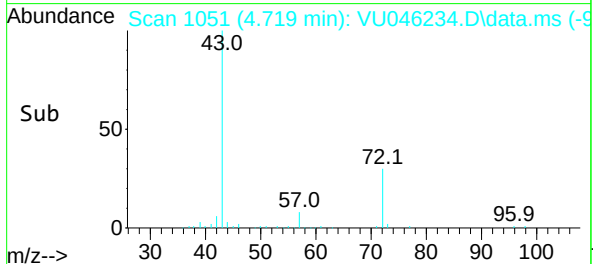
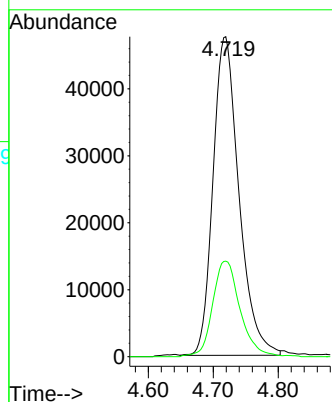
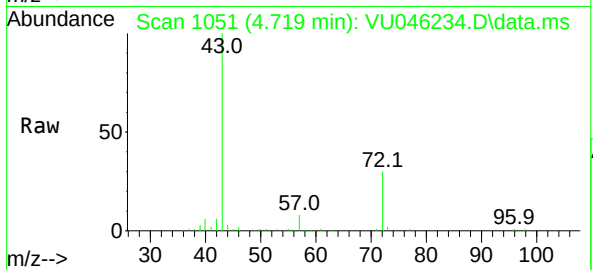
ClientSampleId :

Tgt Ion: 43 Resp: 132022

Ion Ratio Lower Upper

43 100

72 31.6 14.5 43.6



#23

Bromochloromethane

Concen: 57.786 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Tgt Ion:128 Resp: 41699

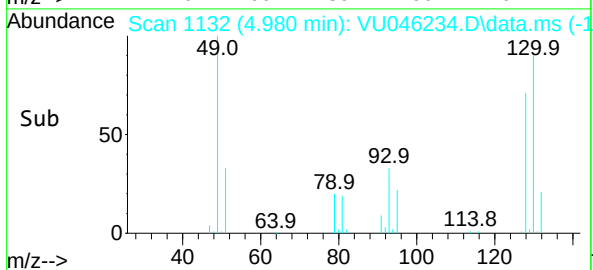
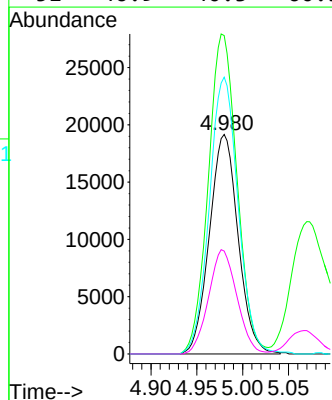
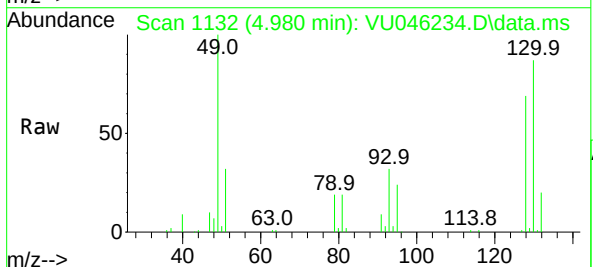
Ion Ratio Lower Upper

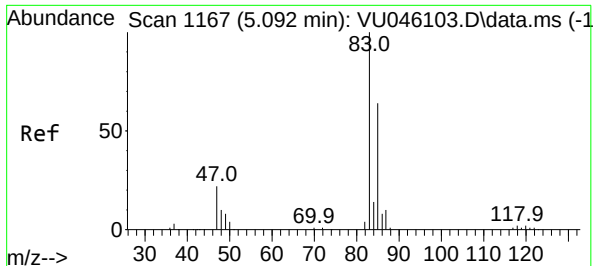
128 100

49 145.1 115.9 215.3

130 126.1 91.8 170.4

51 46.9 40.3 60.5





#25

Chloroform

Concen: 55.202 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

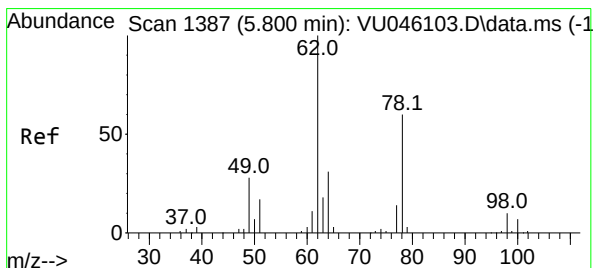
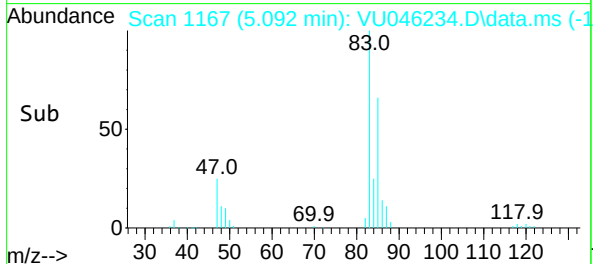
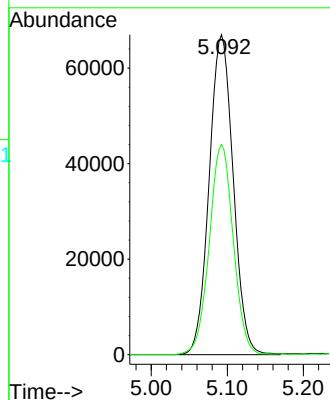
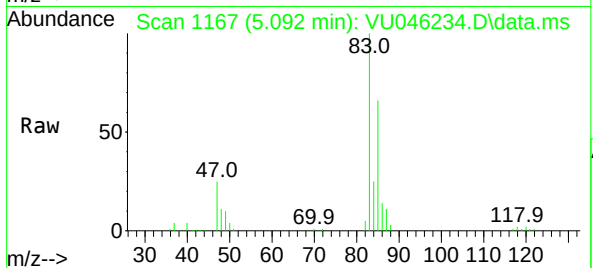
ClientSampleId :

Tgt Ion: 83 Resp: 146842

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.2



#27

1,2-Dichloroethane

Concen: 54.708 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046234.D

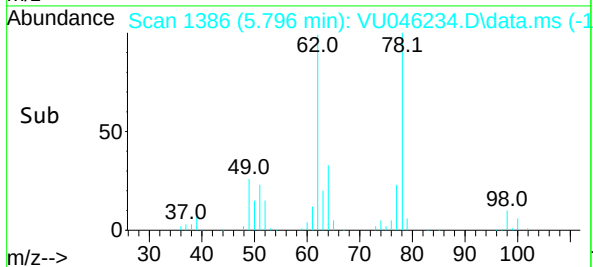
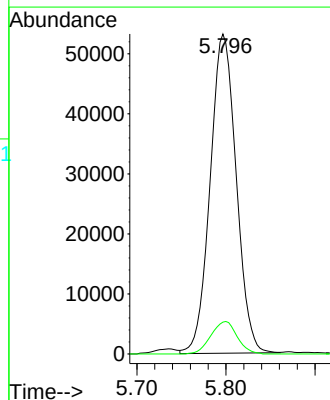
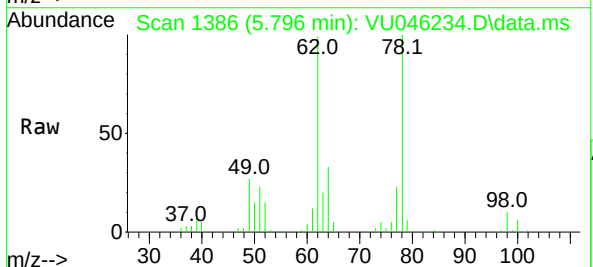
Acq: 09 Dec 2021 20:42

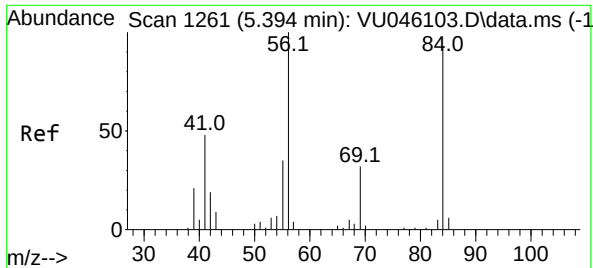
Tgt Ion: 62 Resp: 107990

Ion Ratio Lower Upper

62 100

98 9.9 7.9 11.9





#29

Cyclohexane

Concen: 49.806 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :

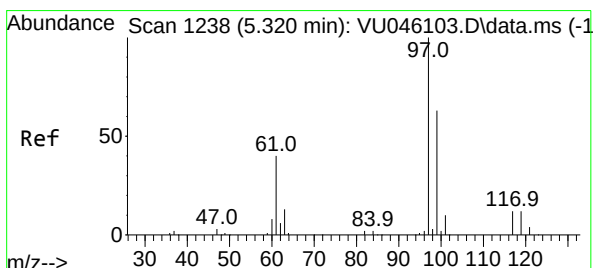
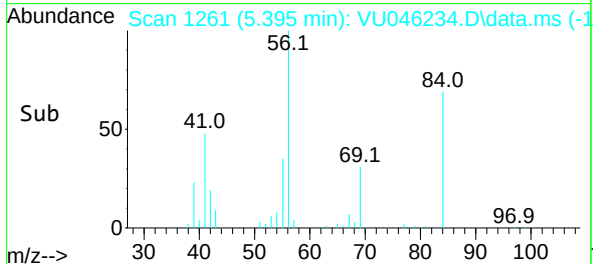
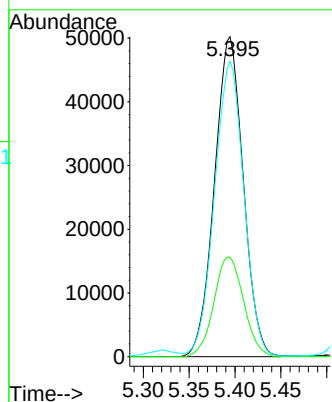
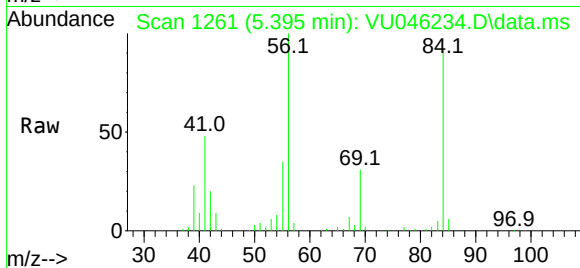
Tgt Ion: 56 Resp: 109518

Ion Ratio Lower Upper

56 100

69 32.2 25.2 37.8

84 94.0 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 53.852 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

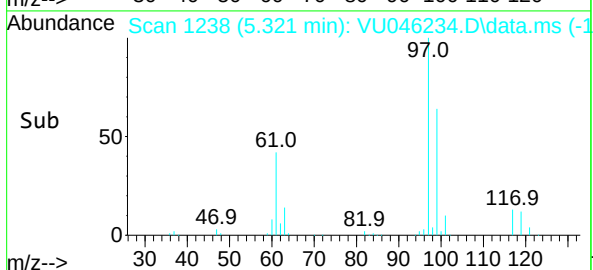
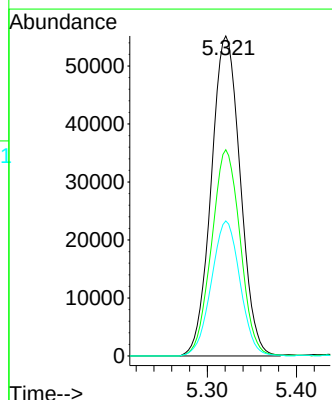
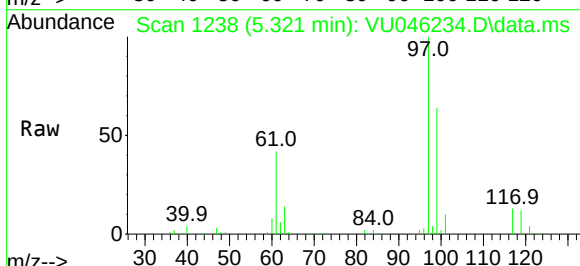
Tgt Ion: 97 Resp: 124828

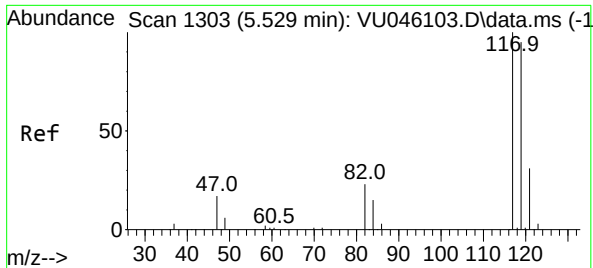
Ion Ratio Lower Upper

97 100

99 63.7 51.8 77.6

61 41.8 34.4 51.6

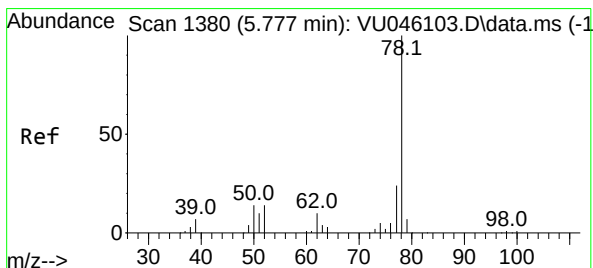
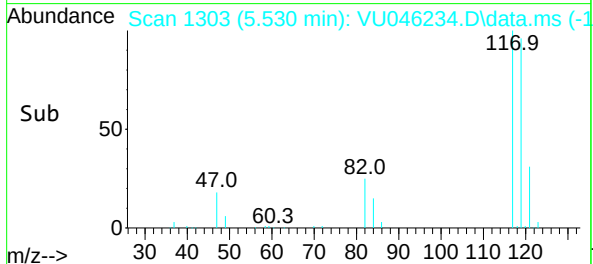
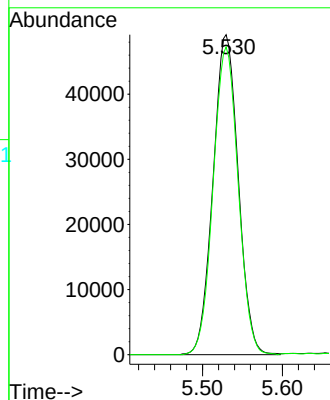
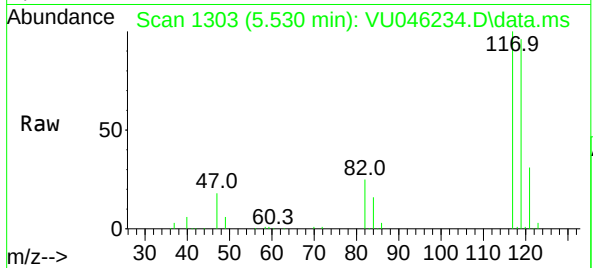




#31
Carbon tetrachloride
Concen: 54.659 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

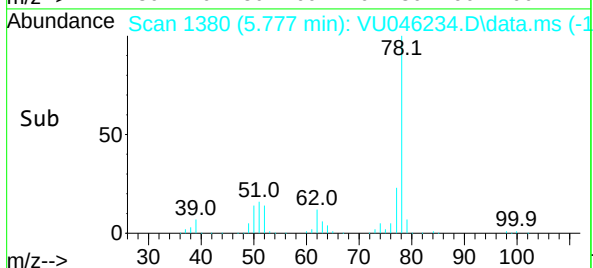
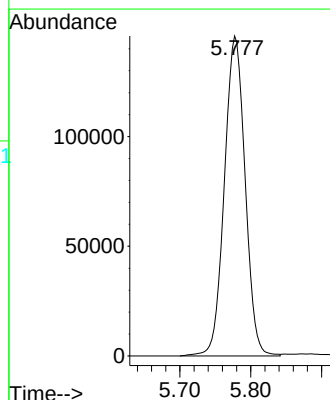
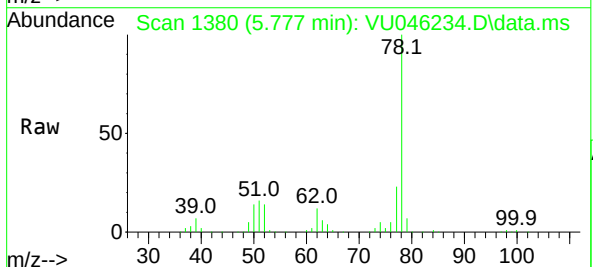
Instrument :
MSVOA_U
ClientSampleId :

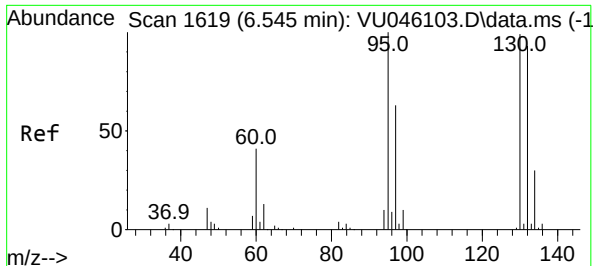
Tgt Ion:117 Resp: 107562
Ion Ratio Lower Upper
117 100
119 95.3 75.7 113.5



#33
Benzene
Concen: 51.949 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

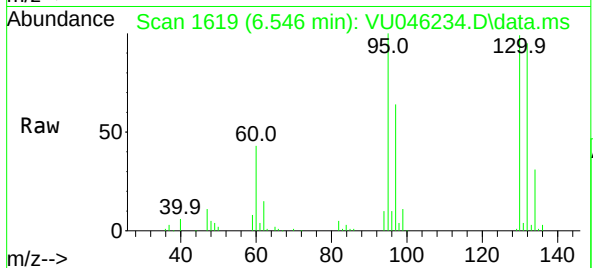
Tgt Ion: 78 Resp: 296908



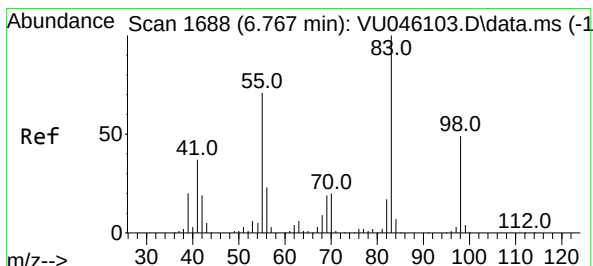
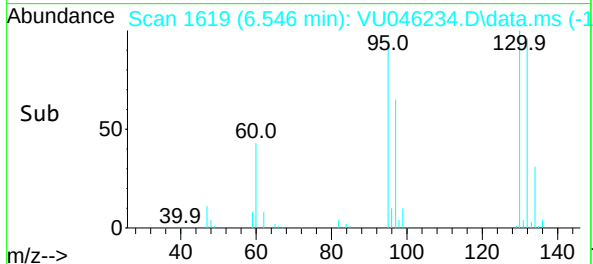
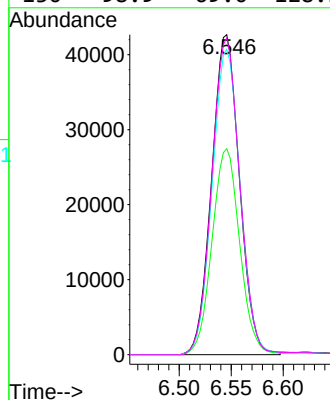


#34
Trichloroethene
Concen: 52.750 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Instrument :
MSVOA_U
ClientSampleId :

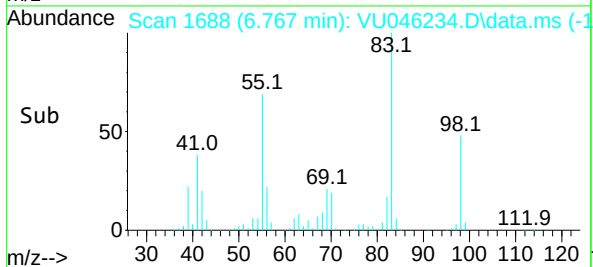
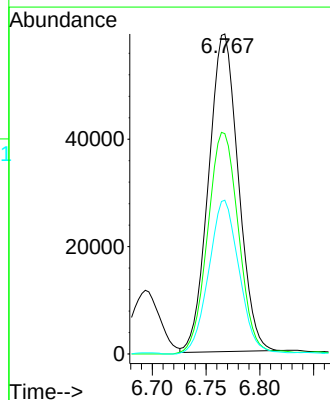
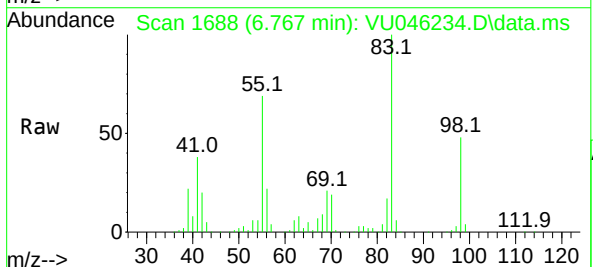


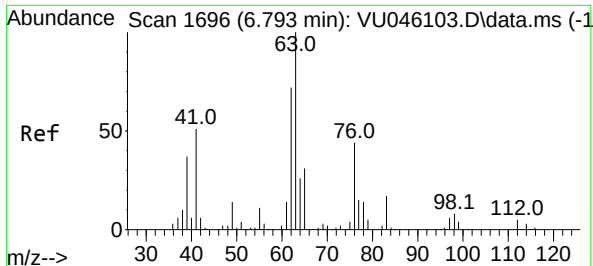
Tgt Ion: 95 Resp: 79424
Ion Ratio Lower Upper
95 100
97 64.4 44.1 81.9
132 95.4 66.8 124.0
130 98.9 69.0 128.1



#35
Methylcyclohexane
Concen: 48.832 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Tgt Ion: 83 Resp: 114005
Ion Ratio Lower Upper
83 100
55 72.3 57.8 86.6
98 49.5 38.4 57.6





#37

1,2-Dichloropropane

Concen: 51.157 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

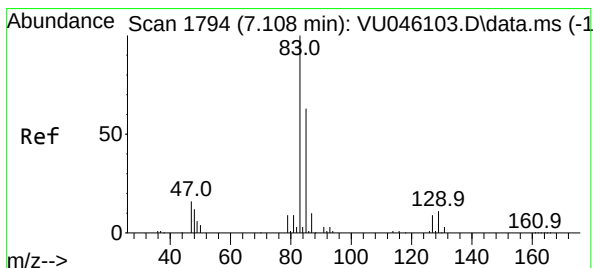
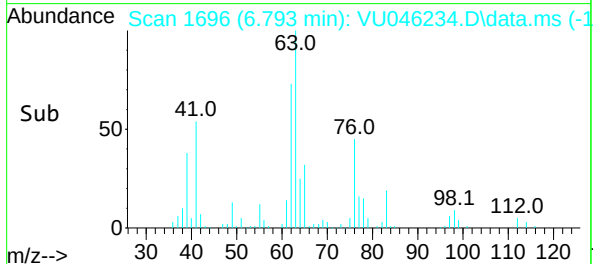
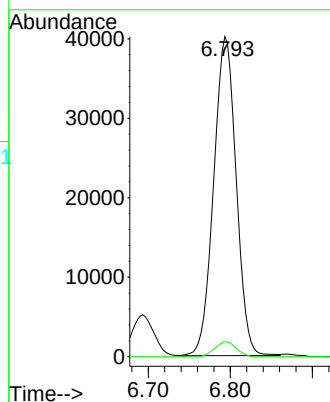
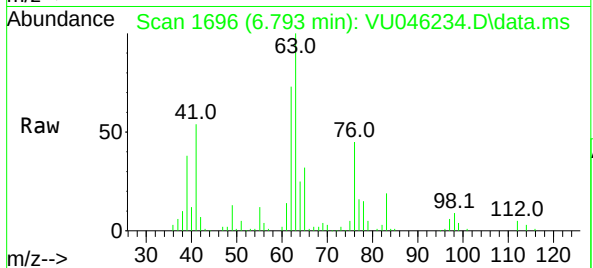
ClientSampleId :

Tgt Ion: 63 Resp: 76592

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.6



#38

Bromodichloromethane

Concen: 56.055 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

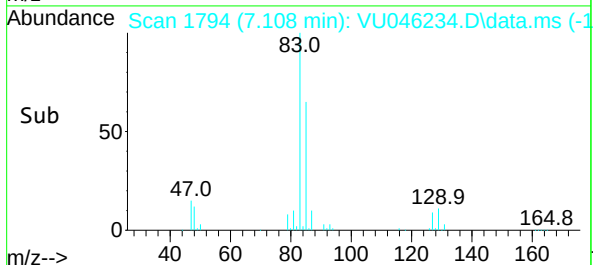
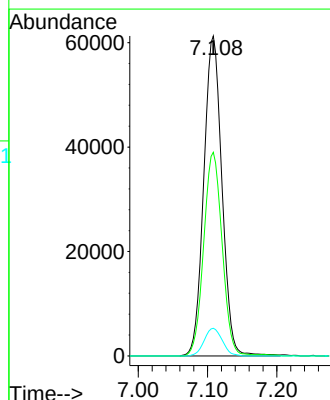
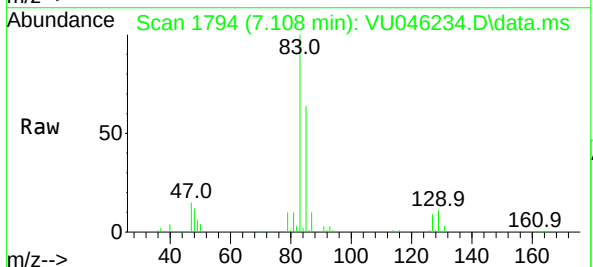
Tgt Ion: 83 Resp: 111550

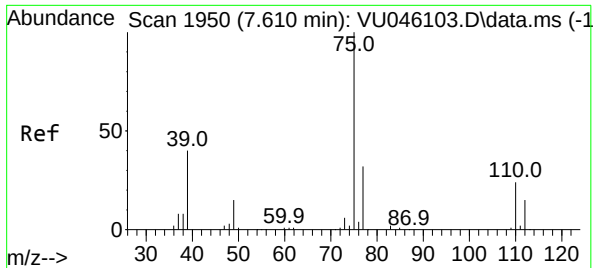
Ion Ratio Lower Upper

83 100

85 63.7 44.4 82.5

127 8.7 6.9 10.3

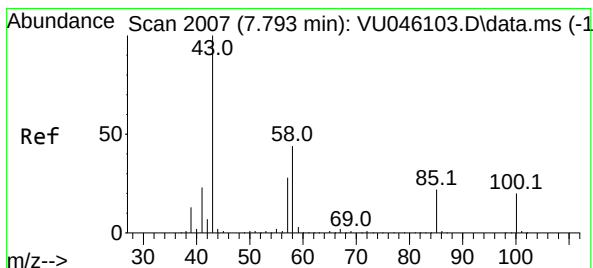
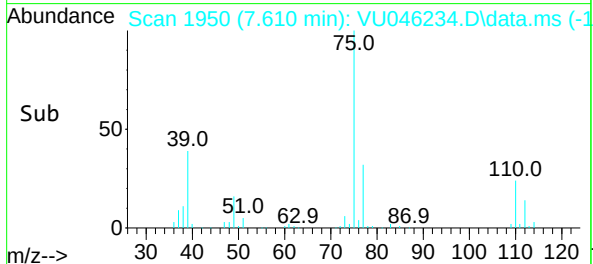
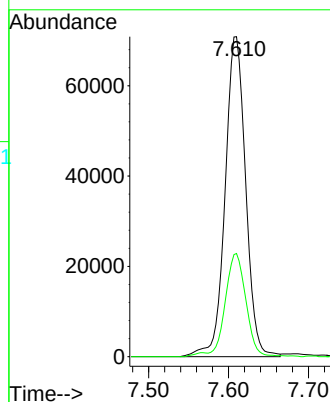
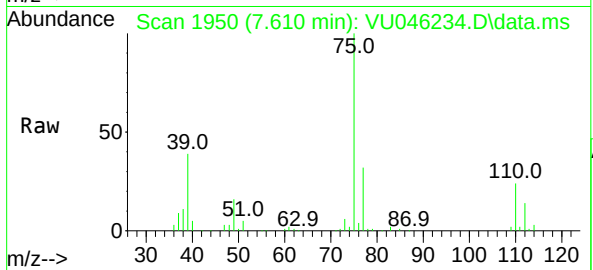




#39
 cis-1,3-Dichloropropene
 Concen: 55.517 ug/L
 RT: 7.610 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VU046234.D
 Acq: 09 Dec 2021 20:42

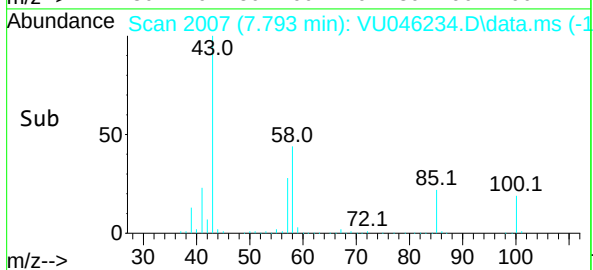
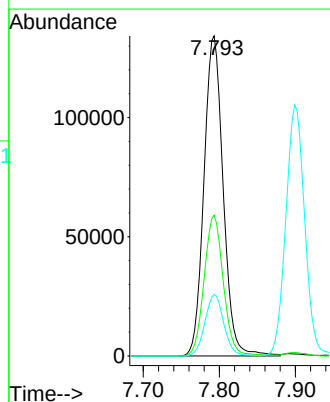
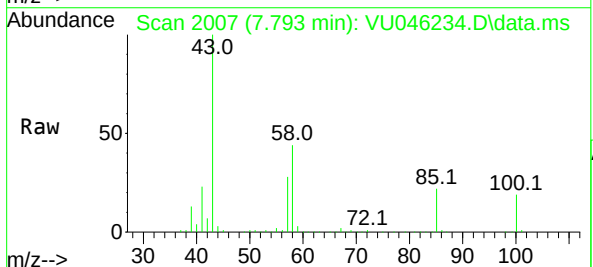
Instrument :
 MSVOA_U
 ClientSampleId :

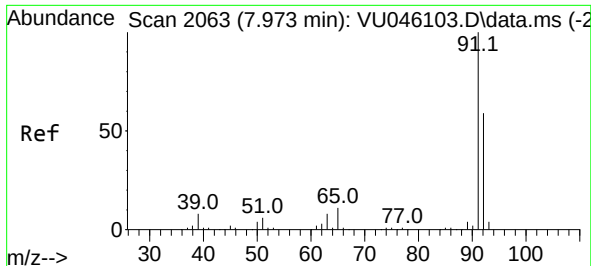
Tgt Ion: 75 Resp: 126450
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 107.254 ug/L
 RT: 7.793 min Scan# 2007
 Delta R.T. -0.003 min
 Lab File: VU046234.D
 Acq: 09 Dec 2021 20:42

Tgt Ion: 43 Resp: 235930
 Ion Ratio Lower Upper
 43 100
 58 43.9 34.2 51.4
 100 18.9 14.5 21.7





#42

Toluene

Concen: 53.670 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

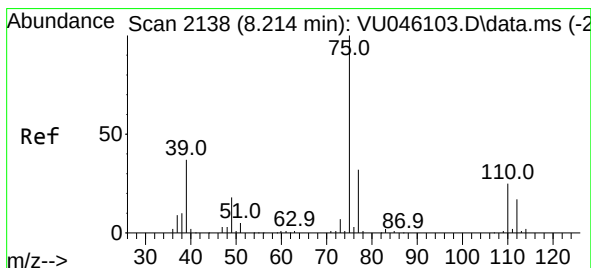
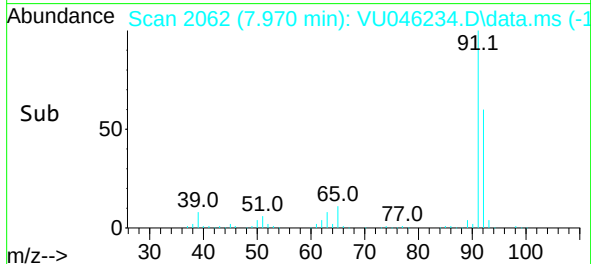
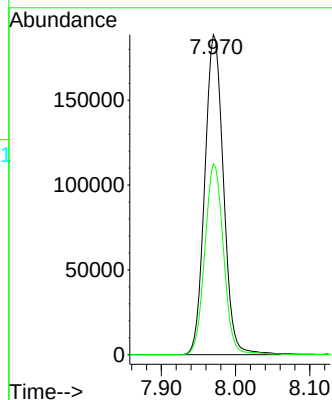
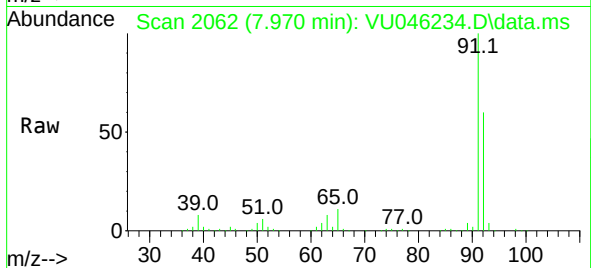
ClientSampleId :

Tgt Ion: 91 Resp: 329147

Ion Ratio Lower Upper

91 100

92 59.7 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 55.033 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046234.D

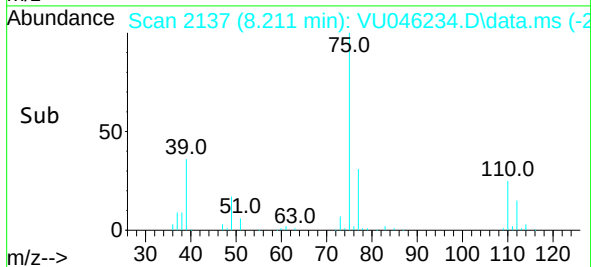
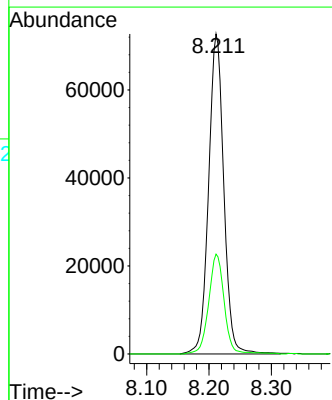
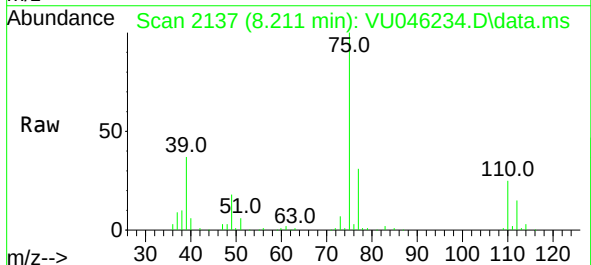
Acq: 09 Dec 2021 20:42

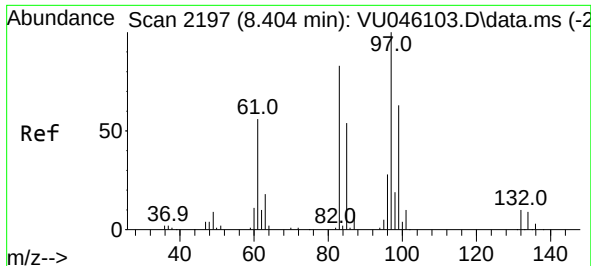
Tgt Ion: 75 Resp: 123111

Ion Ratio Lower Upper

75 100

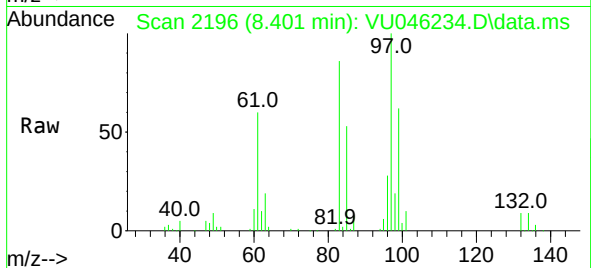
77 31.2 21.7 40.3



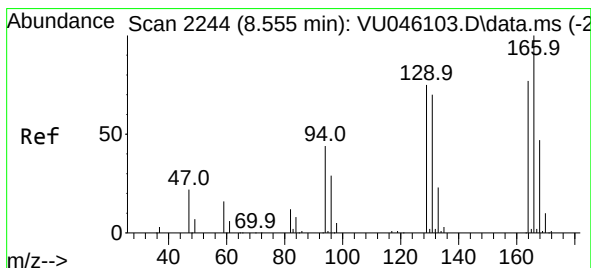
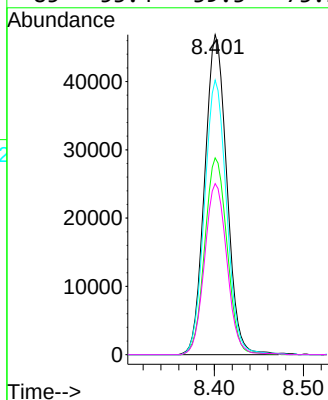
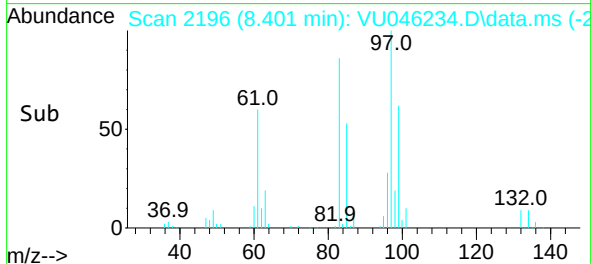


#45
1,1,2-Trichloroethane
Concen: 53.836 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Instrument :
MSVOA_U
ClientSampleId :

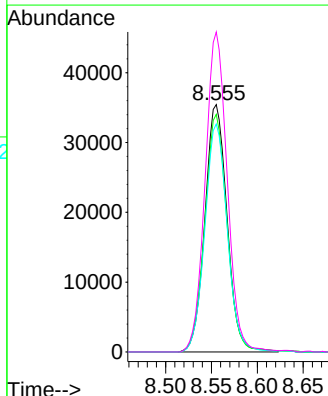
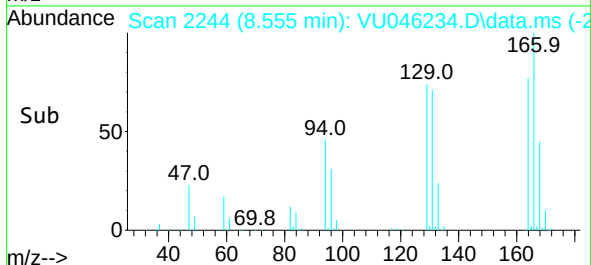
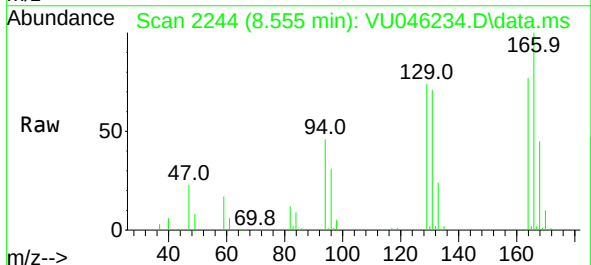


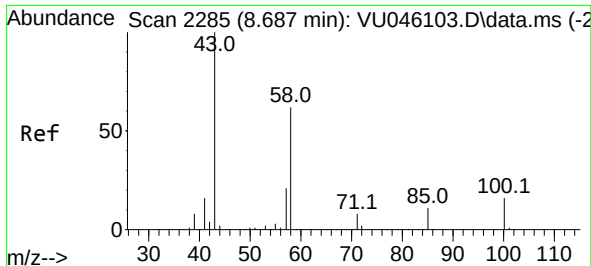
Tgt Ion: 97	Resp: 80866
Ion Ratio	Lower Upper
97	100
99	61.5 44.7 82.9
83	85.8 60.2 111.8
85	53.4 39.3 73.1



#46
Tetrachloroethene
Concen: 53.907 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

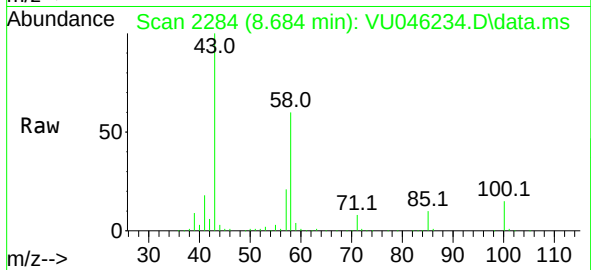
Tgt Ion: 164	Resp: 59648
Ion Ratio	Lower Upper
164	100
129	96.1 71.1 132.1
131	92.2 67.8 126.0
166	129.4 90.6 168.2



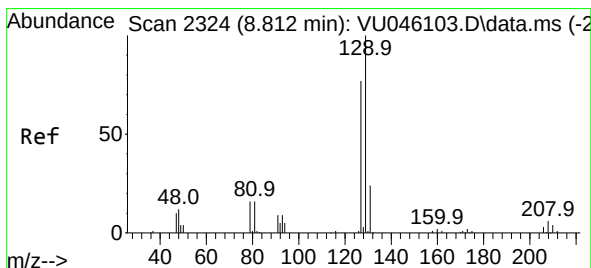
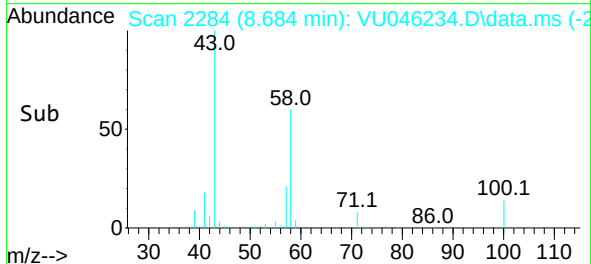
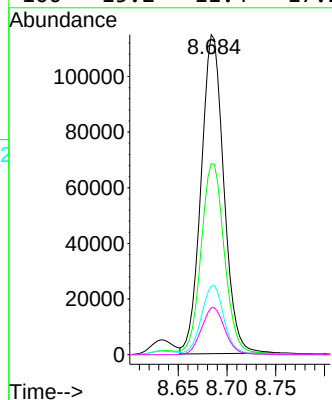


#48
2-Hexanone
Concen: 94.418 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Instrument :
MSVOA_U
ClientSampleId :

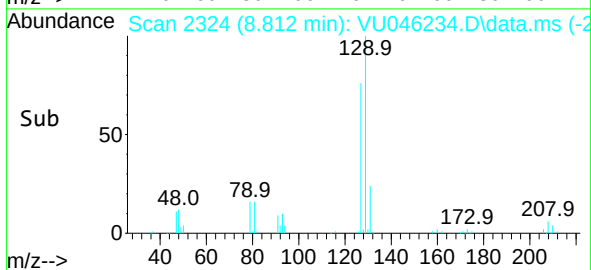
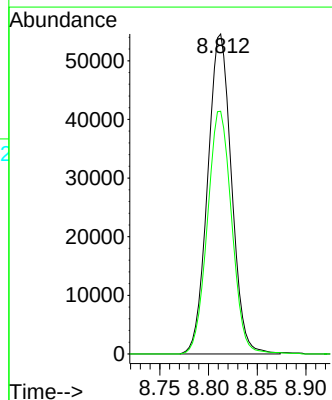
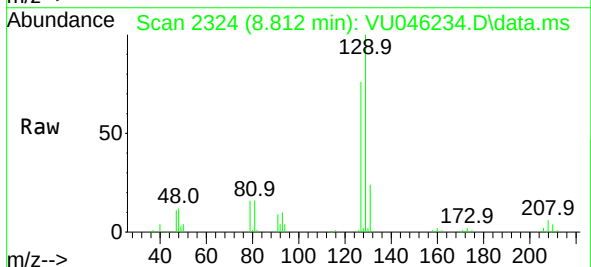


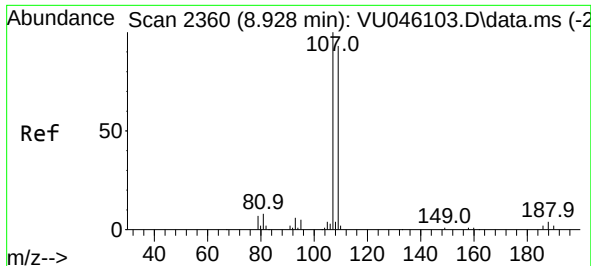
Tgt Ion: 43	Resp: 185747
Ion Ratio	Lower Upper
43 100	
58 61.2	47.4 71.2
57 21.7	16.6 25.0
100 15.2	11.4 17.2



#49
Dibromochloromethane
Concen: 58.973 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Tgt Ion:129	Resp:	93020	
Ion	Ratio	Lower	Upper
129	100		
127	75.8	55.6	103.4





#50

1,2-Dibromoethane

Concen: 54.020 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

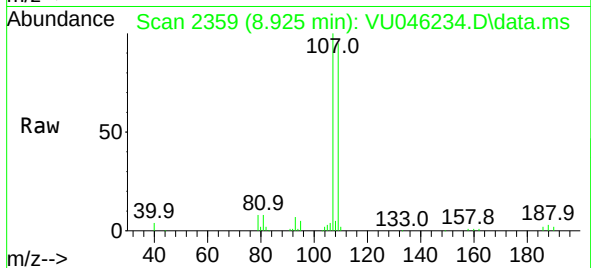
Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :



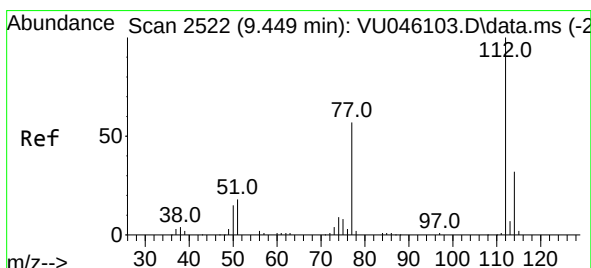
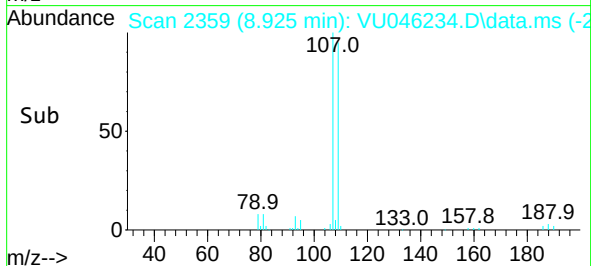
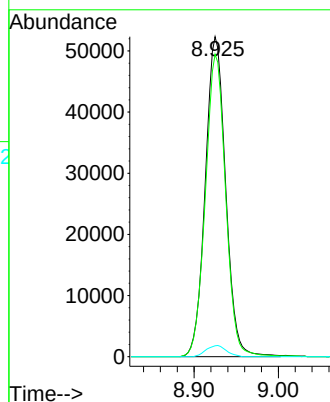
Tgt Ion:107 Resp: 87971

Ion Ratio Lower Upper

107 100

109 94.5 64.9 120.5

188 3.4 2.6 3.8



#51

Chlorobenzene

Concen: 54.026 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

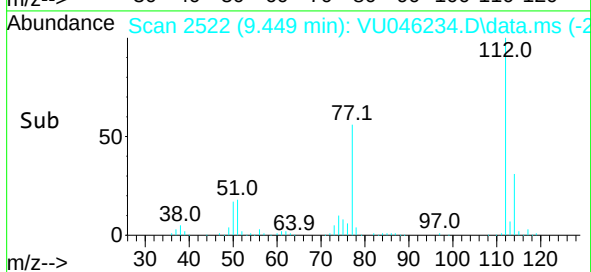
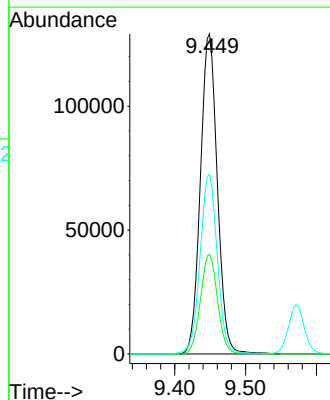
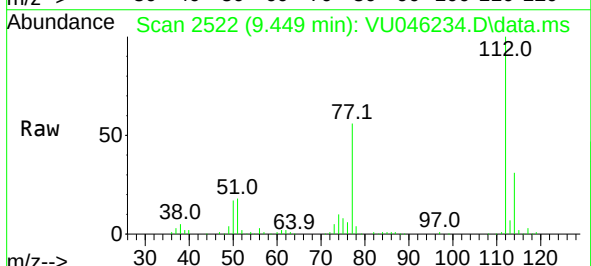
Tgt Ion:112 Resp: 214354

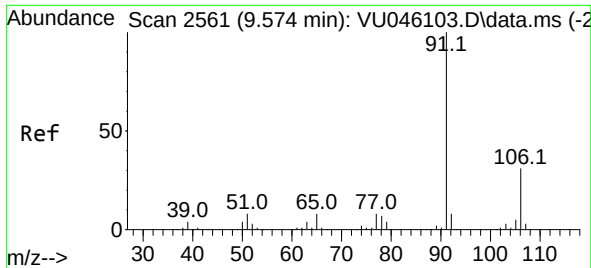
Ion Ratio Lower Upper

112 100

114 31.1 22.2 41.2

77 56.2 47.4 71.0

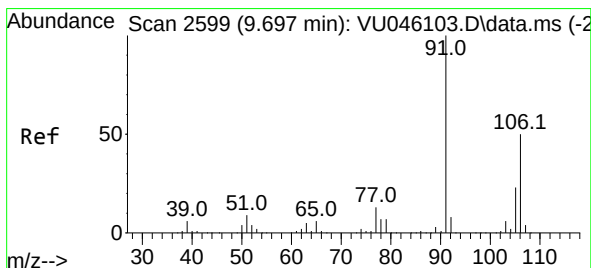
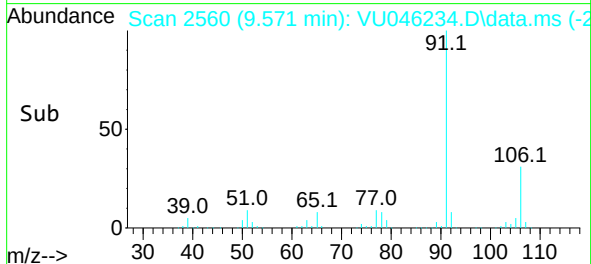
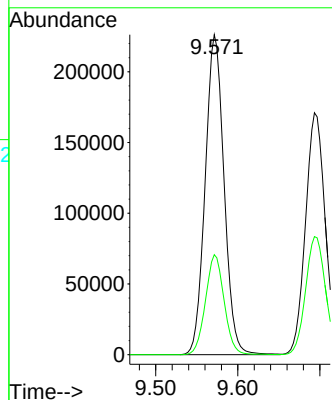
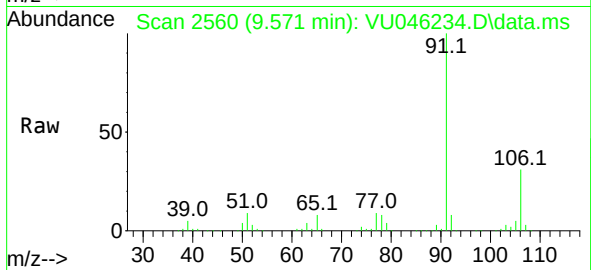




#52
Ethylbenzene
Concen: 54.760 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

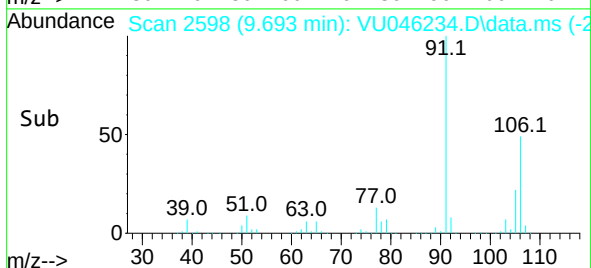
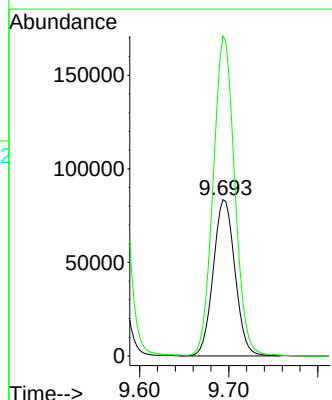
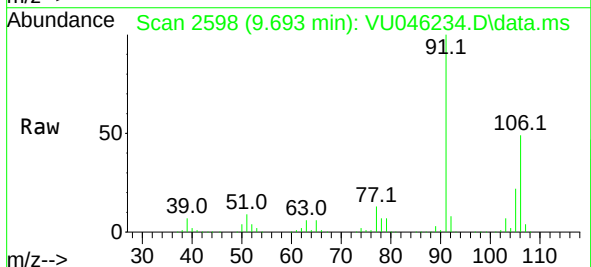
Instrument :
MSVOA_U
ClientSampleId :

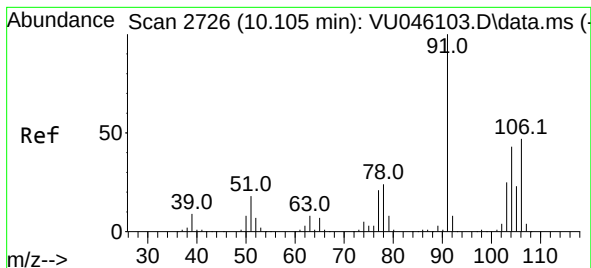
Tgt Ion: 91 Resp: 361427
Ion Ratio Lower Upper
91 100
106 31.3 21.1 39.3



#53
m,p-Xylene
Concen: 54.946 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Tgt Ion:106 Resp: 141430
Ion Ratio Lower Upper
106 100
91 204.7 144.3 268.1





#54

o-xylene

Concen: 55.107 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.003 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

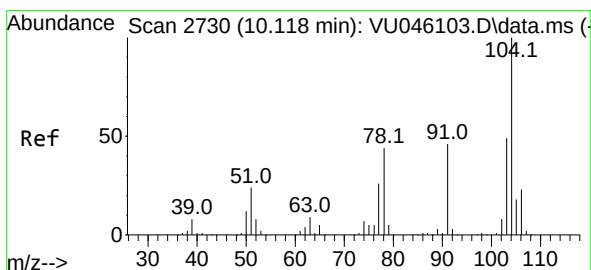
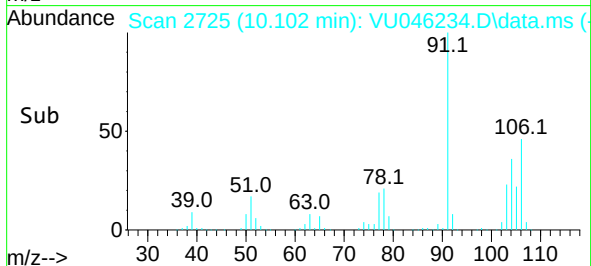
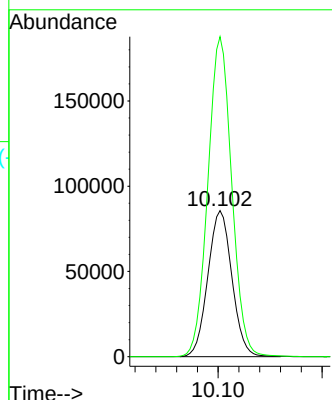
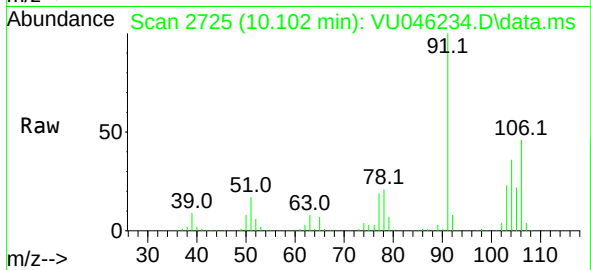
ClientSampleId :

Tgt Ion:106 Resp: 137635

Ion Ratio Lower Upper

106 100

91 219.0 154.2 286.4



#55

Styrene

Concen: 57.271 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VU046234.D

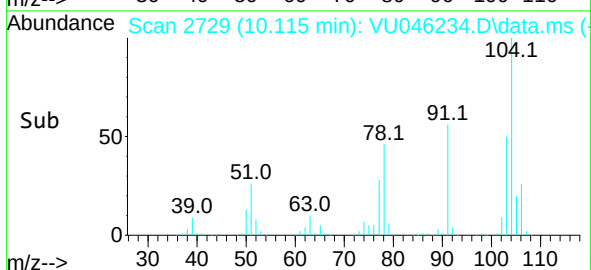
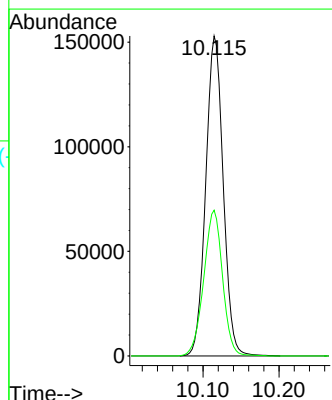
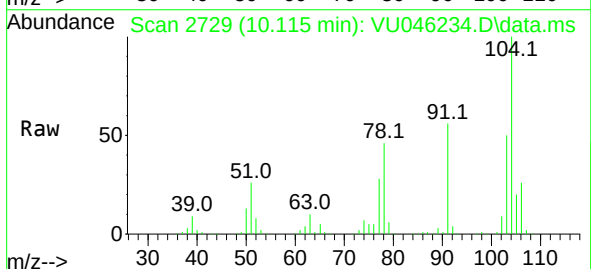
Acq: 09 Dec 2021 20:42

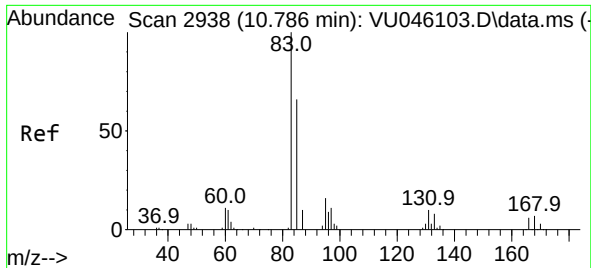
Tgt Ion:104 Resp: 244212

Ion Ratio Lower Upper

104 100

78 45.5 32.6 60.5

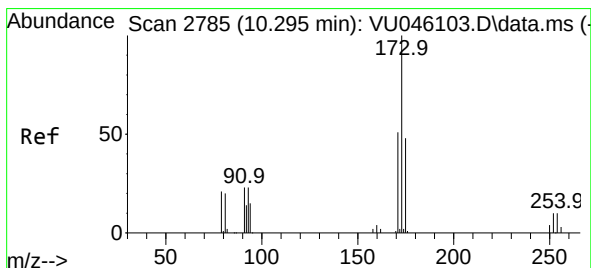
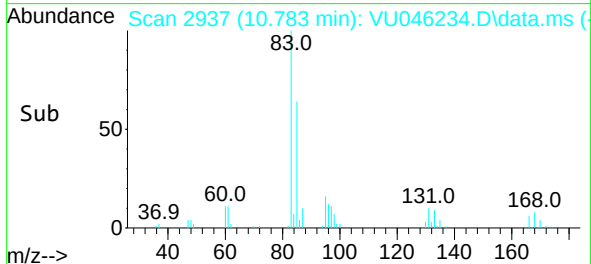
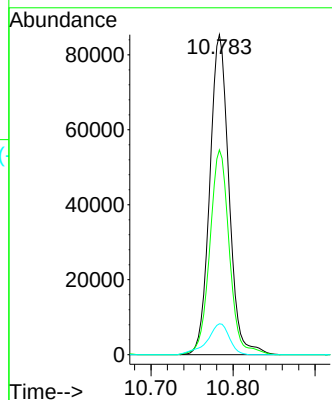
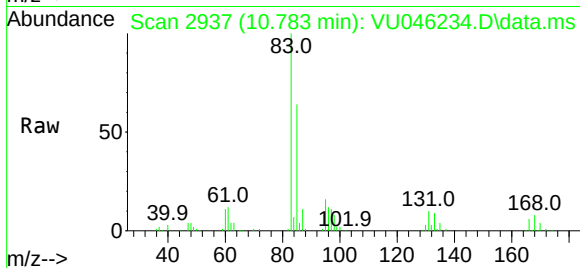




#57
1,1,2,2-Tetrachloroethane
Concen: 53.895 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

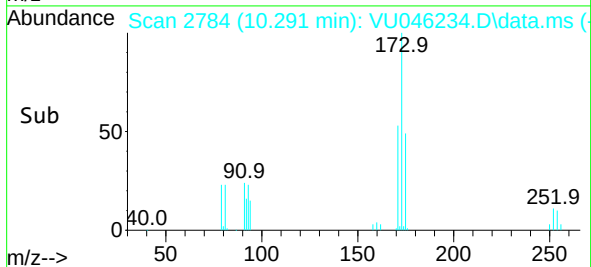
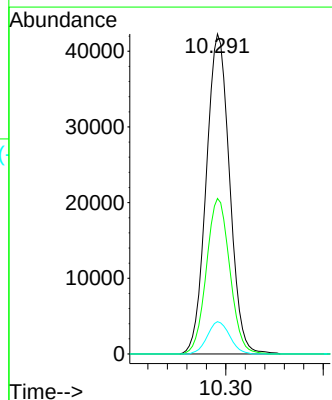
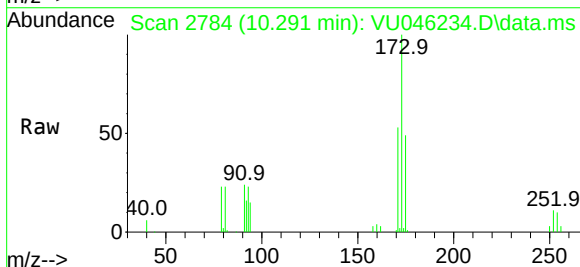
Instrument :
MSVOA_U
ClientSampleId :

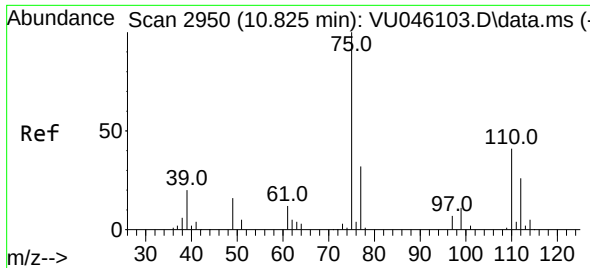
Tgt Ion: 83 Resp: 138792
Ion Ratio Lower Upper
83 100
85 64.0 45.6 84.6
131 9.6 7.8 11.6



#59
Bromoform
Concen: 56.698 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Tgt Ion:173 Resp: 70206
Ion Ratio Lower Upper
173 100
175 48.8 39.2 58.8
254 9.7 7.4 11.2

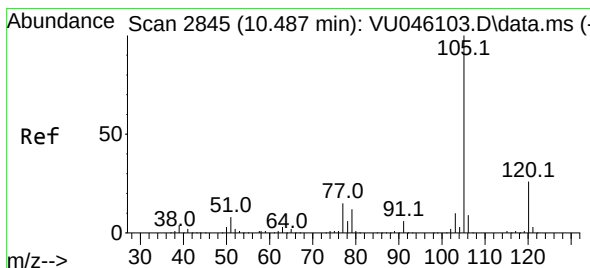
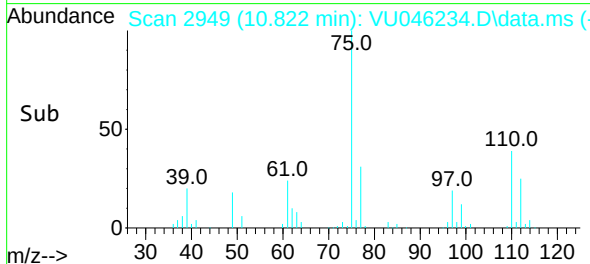
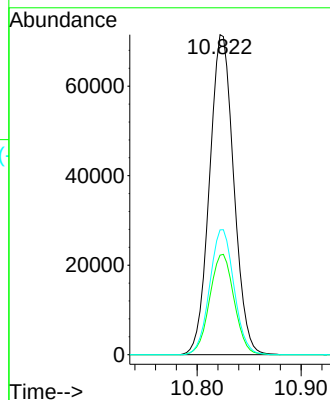
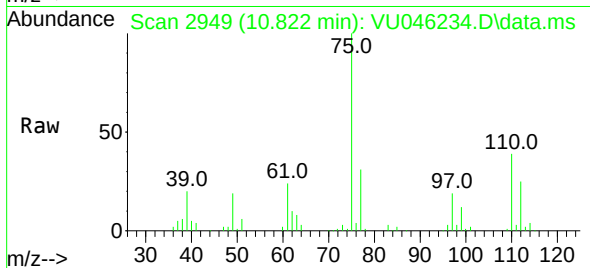




#60
1,2,3-Trichloropropane
Concen: 50.089 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

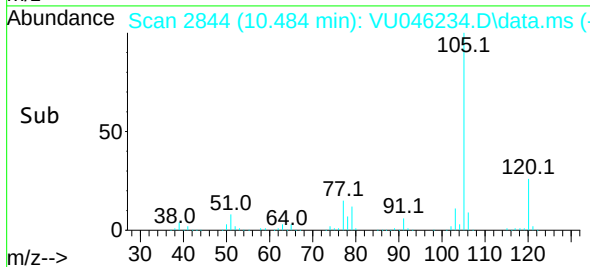
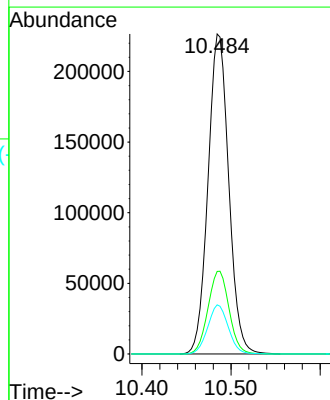
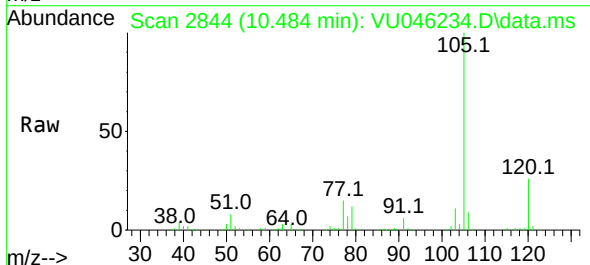
Instrument :
MSVOA_U
ClientSampleId :

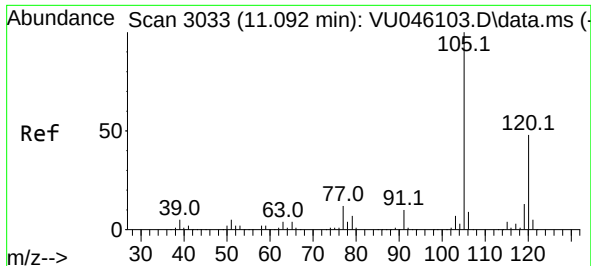
Tgt Ion: 75 Resp: 115897
Ion Ratio Lower Upper
75 100
77 31.7 26.4 39.6
110 39.2 32.4 48.6



#61
Isopropylbenzene
Concen: 53.080 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Tgt Ion: 105 Resp: 364536
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1
77 15.3 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 53.913 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

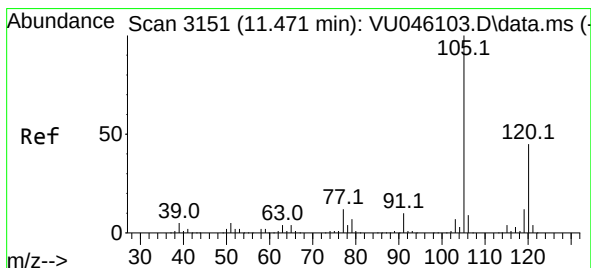
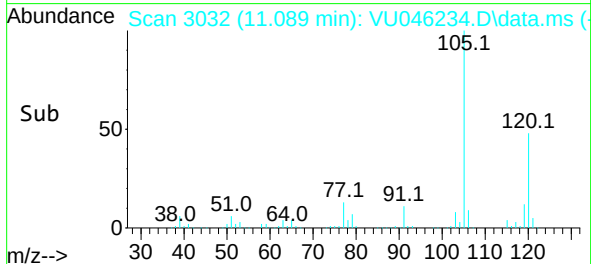
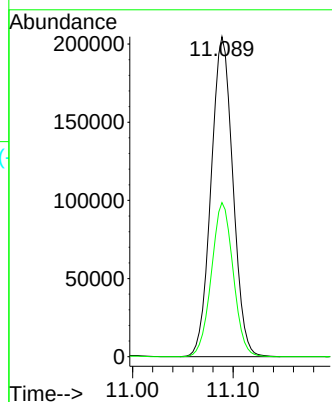
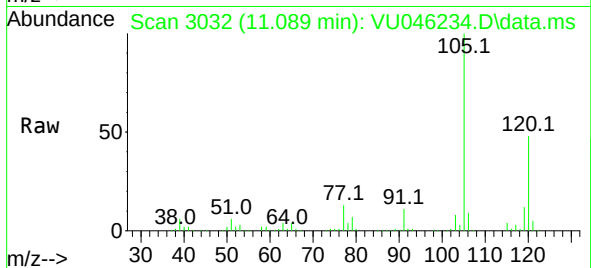
ClientSampleId :

Tgt Ion:105 Resp: 308617

Ion Ratio Lower Upper

105 100

120 48.1 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 54.325 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046234.D

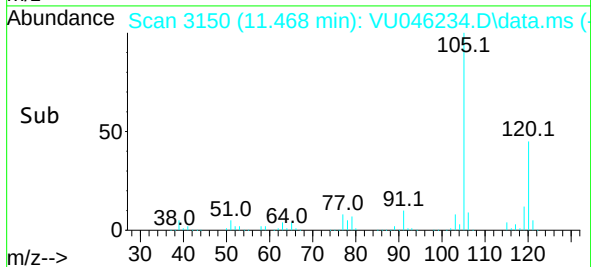
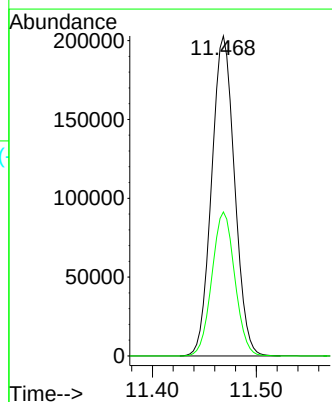
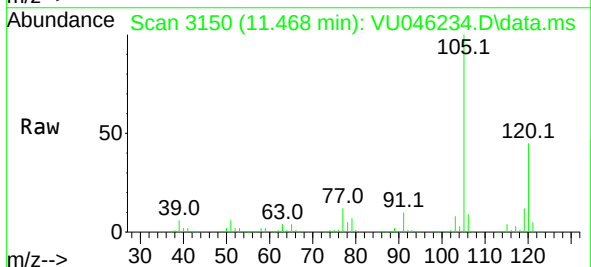
Acq: 09 Dec 2021 20:42

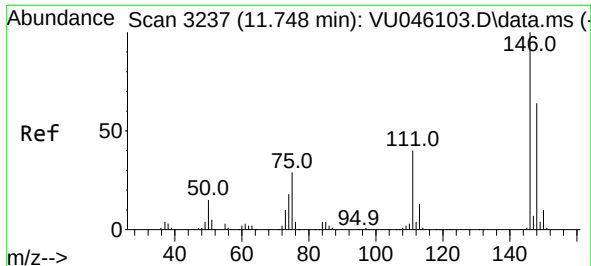
Tgt Ion:105 Resp: 311124

Ion Ratio Lower Upper

105 100

120 44.9 35.2 52.8

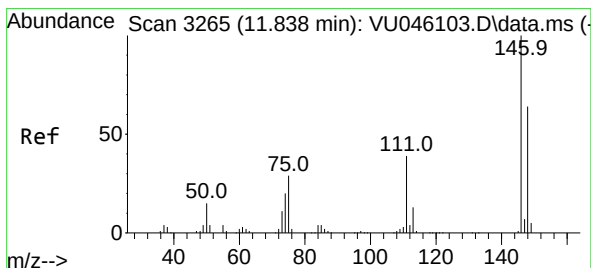
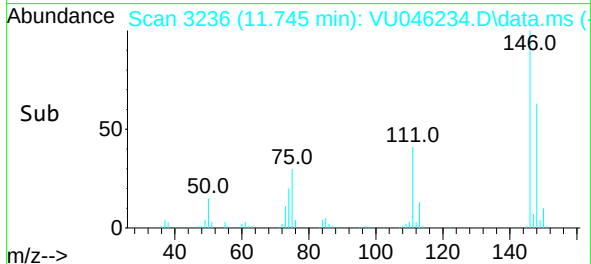
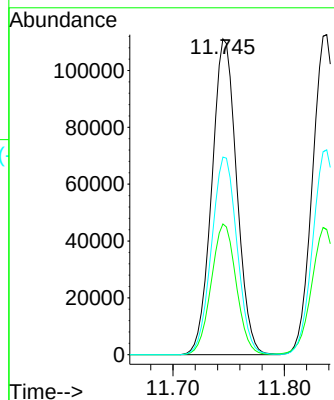
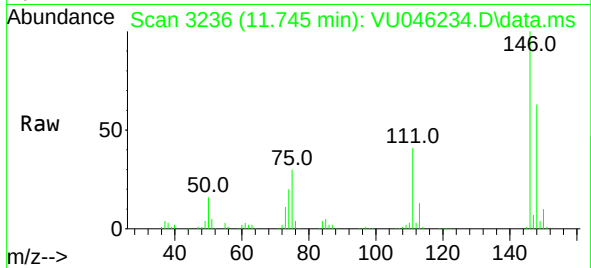




#64
 1,3-Dichlorobenzene
 Concen: 52.892 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU046234.D
 Acq: 09 Dec 2021 20:42

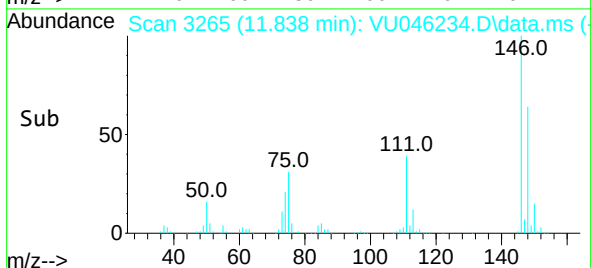
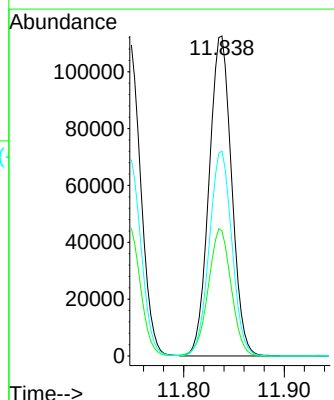
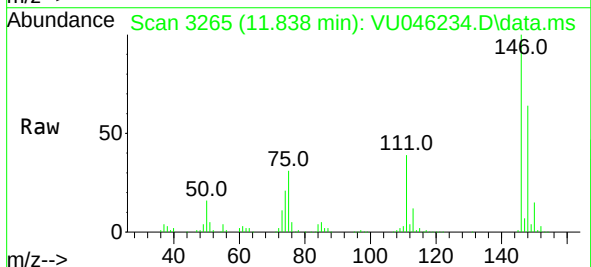
Instrument :
 MSVOA_U
 ClientSampleId :

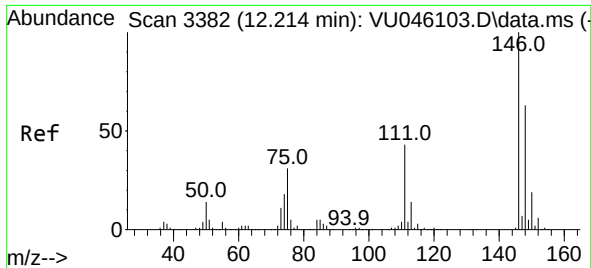
Tgt Ion:146 Resp: 172546
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.5 54.9
 148 62.5 45.9 85.3



#65
 1,4-Dichlorobenzene
 Concen: 52.063 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. -0.000 min
 Lab File: VU046234.D
 Acq: 09 Dec 2021 20:42

Tgt Ion:146 Resp: 175533
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.3 52.7
 148 64.0 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 52.486 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :

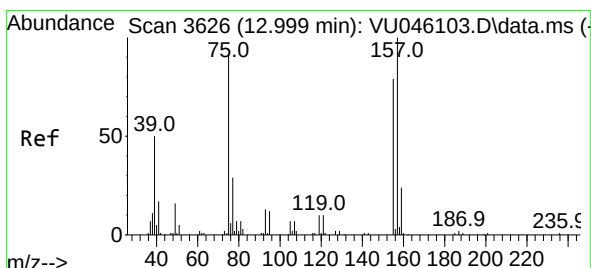
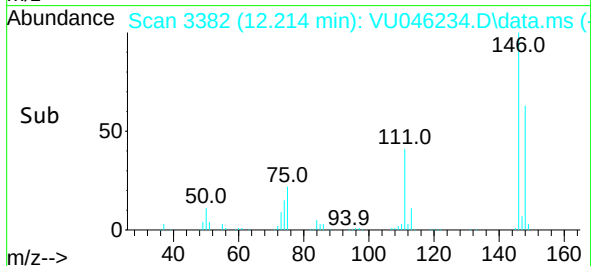
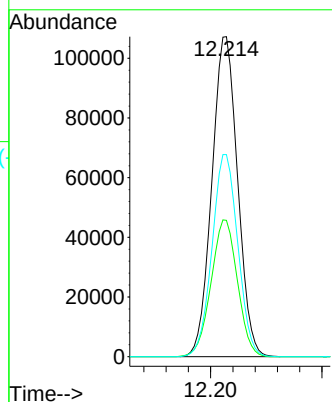
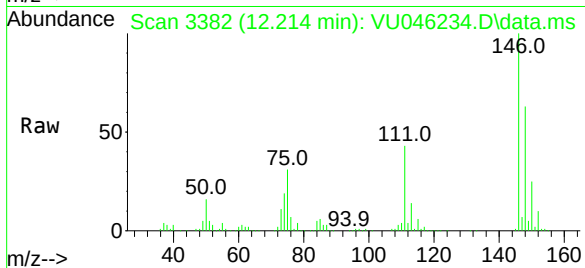
Tgt Ion:146 Resp: 172427

Ion Ratio Lower Upper

146 100

111 42.6 35.7 53.5

148 63.1 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 56.859 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

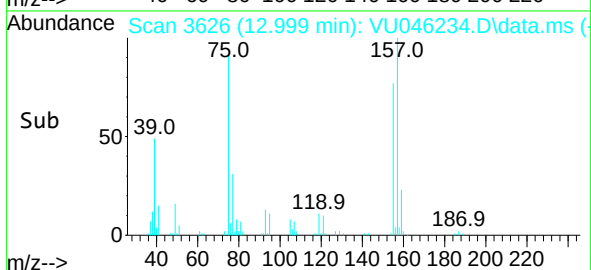
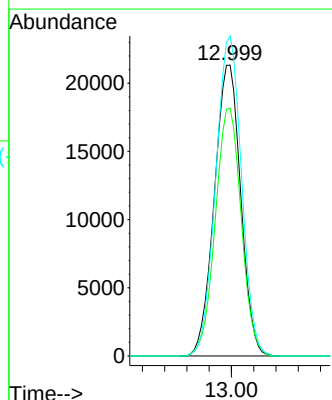
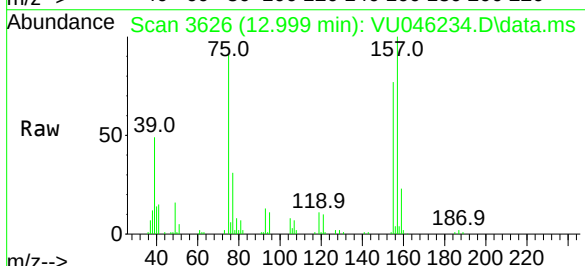
Tgt Ion: 75 Resp: 35048

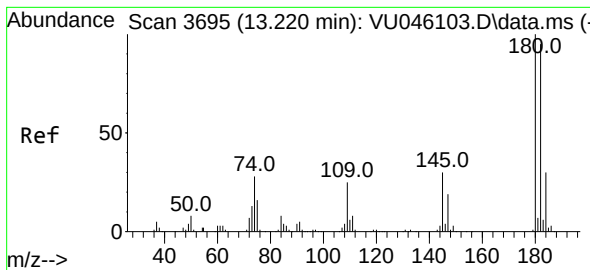
Ion Ratio Lower Upper

75 100

155 85.1 64.9 97.3

157 110.0 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 51.510 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.003 min

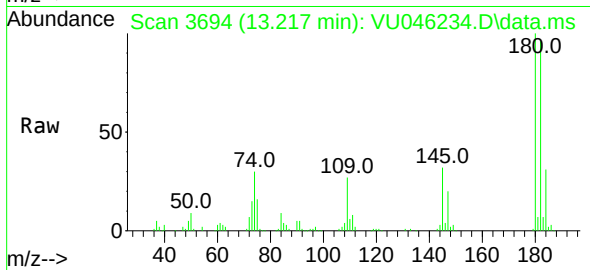
Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 122439

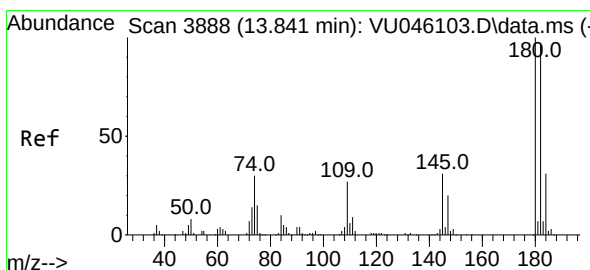
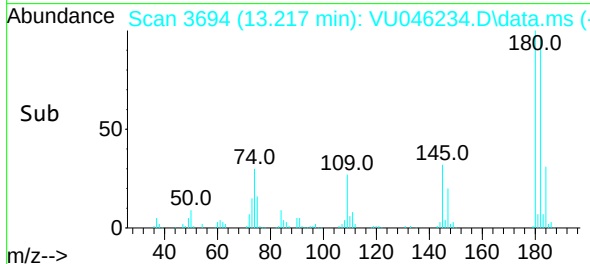
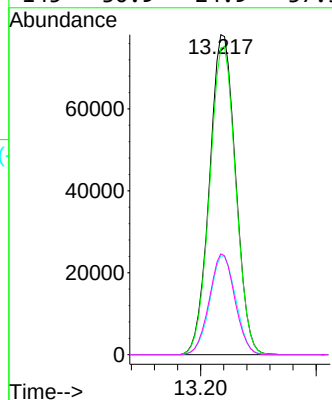
Ion Ratio Lower Upper

180 100

182 96.1 75.9 113.9

184 30.8 24.2 36.4

145 30.9 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 54.570 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU046234.D

Acq: 09 Dec 2021 20:42

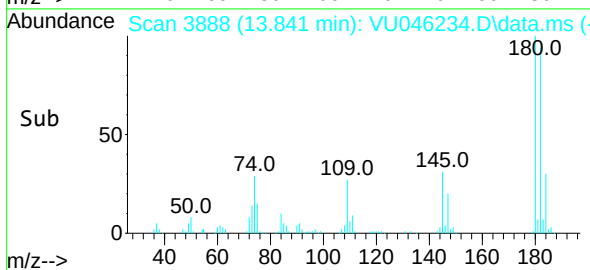
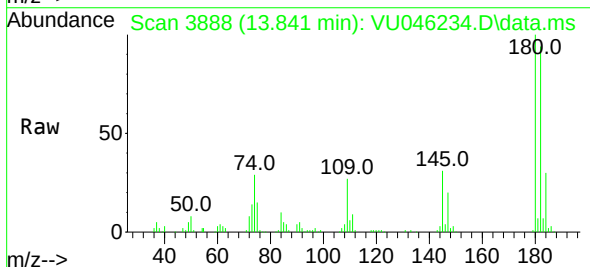
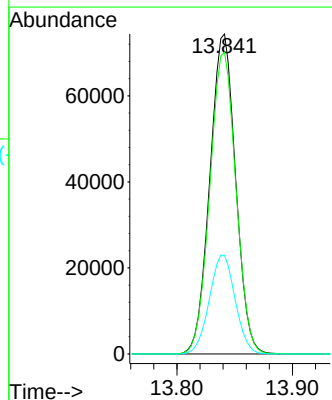
Tgt Ion:180 Resp: 115105

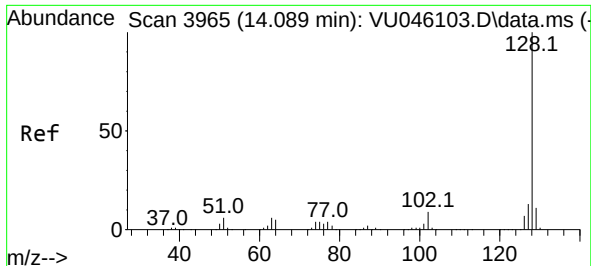
Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

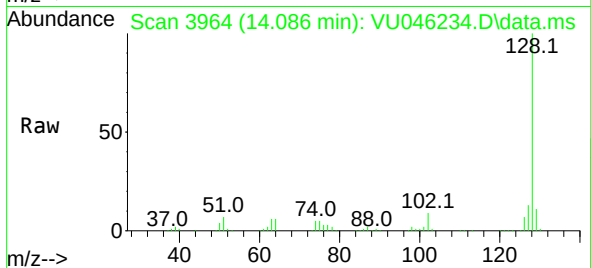
145 31.0 26.0 39.0



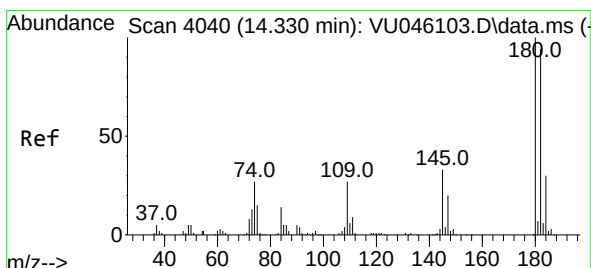
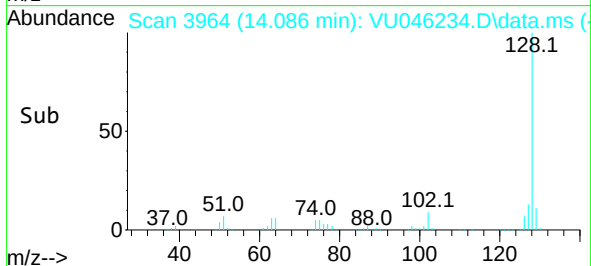
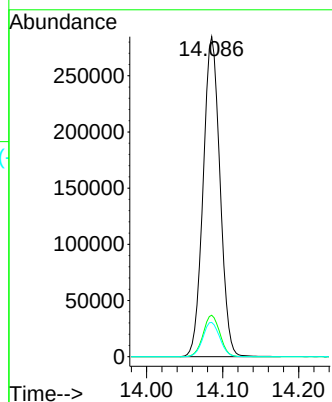


#71
Naphthalene
Concen: 59.588 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 437380
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 54.619 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU046234.D
Acq: 09 Dec 2021 20:42

Tgt Ion:180 Resp: 117483
Ion Ratio Lower Upper
180 100
182 95.5 76.0 114.0
145 33.5 27.3 40.9

