

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046101.D
 Acq On : 04 Dec 2021 19:35
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 05 08:17:01 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	6.253	114	263827	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	257388	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	136949	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	83123	38.248	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.500%
7) Chloroethane-d5	1.919	69	61664	36.955	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.920%
11) 1,1-Dichloroethene-d2	2.575	63	164166	42.079	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.160%
21) 2-Butanone-d5	4.636	46	132220	76.532	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.530%
24) Chloroform-d	5.067	84	154561	42.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.180%
26) 1,2-Dichloroethane-d4	5.703	65	97188	39.903	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.800%
32) Benzene-d6	5.729	84	324967	44.050	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.100%
36) 1,2-Dichloropropane-d6	6.694	67	97273	42.546	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.100%
41) Toluene-d8	7.899	98	306247	45.593	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.180%
43) trans-1,3-Dichloroprop...	8.179	79	49950	45.258	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.520%
47) 2-Hexanone-d5	8.632	63	101123	93.284	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.280%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	142053	40.969	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.940%
66) 1,2-Dichlorobenzene-d4	12.195	152	117555	44.572	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	132342	46.106	ug/L	99
3) Chloromethane	1.523	50	111433	43.404	ug/L	100
5) Vinyl chloride	1.607	62	120133	46.407	ug/L	100
6) Bromomethane	1.861	94	68958	46.999	ug/L	98
8) Chloroethane	1.938	64	70495	47.033	ug/L	98
9) Trichlorofluoromethane	2.144	101	162131	47.972	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	101965	53.115	ug/L	95
12) 1,1-Dichloroethene	2.584	96	97028	53.189	ug/L	86
13) Acetone	2.655	43	130801	60.579	ug/L	96
14) Carbon disulfide	2.800	76	279332	49.355	ug/L	100
15) Methyl Acetate	2.957	43	120788	47.988	ug/L	96
16) Methylene chloride	3.051	84	110983	51.135	ug/L	95
17) trans-1,2-Dichloroethene	3.359	96	104452	54.106	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	341006	57.317	ug/L	99
19) 1,1-Dichloroethane	3.874	63	184778	52.642	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	117872	56.271	ug/L	96
22) 2-Butanone	4.716	43	185015	78.714	ug/L	97
23) Bromochloromethane	4.980	128	60544	57.228	ug/L	87
25) Chloroform	5.092	83	197907	50.746	ug/L	98

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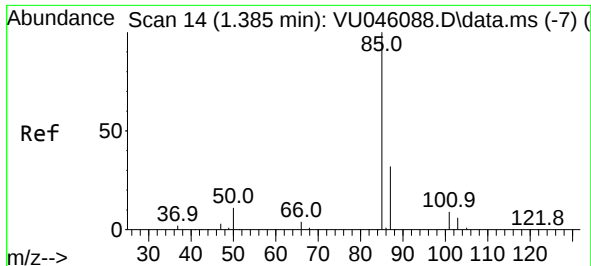
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	148156	51.194	ug/L	99
29) Cyclohexane	5.395	56	166459	55.540	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	173465	54.904	ug/L	98
31) Carbon tetrachloride	5.530	117	147549	55.010	ug/L	98
33) Benzene	5.777	78	427728	54.906	ug/L	100
34) Trichloroethene	6.546	95	116751	56.889	ug/L	100
35) Methylcyclohexane	6.768	83	173914	54.653	ug/L	97
37) 1,2-Dichloropropane	6.793	63	110870	54.330	ug/L	100
38) Bromodichloromethane	7.108	83	144705	53.349	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	177751	57.256	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	317425	105.870	ug/L	97
42) Toluene	7.970	91	477431	57.116	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	172786	56.668	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	113017	55.202	ug/L	98
46) Tetrachloroethene	8.555	164	89800	59.543	ug/L	95
48) 2-Hexanone	8.684	43	248067	92.513	ug/L	95
49) Dibromochloromethane	8.809	129	121093	56.324	ug/L	97
50) 1,2-Dibromoethane	8.925	107	125148	56.382	ug/L	98
51) Chlorobenzene	9.449	112	302692	55.972	ug/L	98
52) Ethylbenzene	9.571	91	518209	57.604	ug/L	99
53) m,p-Xylene	9.693	106	204577	58.311	ug/L	98
54) o-xylene	10.102	106	197508	58.018	ug/L	97
55) Styrene	10.115	104	341309	58.724	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	181782	51.789	ug/L	99
59) Bromoform	10.292	173	90302	56.208	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	152789	50.895	ug/L	99
61) Isopropylbenzene	10.484	105	524314	58.843	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	447744	60.286	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	454995	61.233	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	248046	58.604	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	249748	57.094	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	242597	56.916	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	44497	55.639	ug/L	89
69) 1,3,5-Trichlorobenzene	13.221	180	179011	58.045	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	169462	61.921	ug/L	99
71) Naphthalene	14.086	128	633354	66.505	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	169572	60.762	ug/L	100

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

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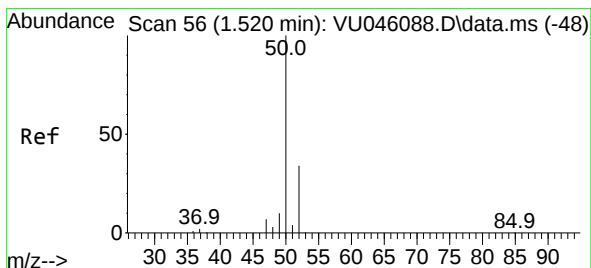
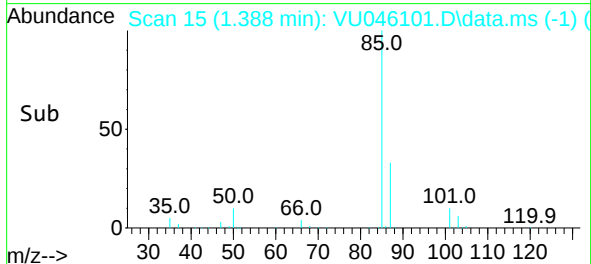
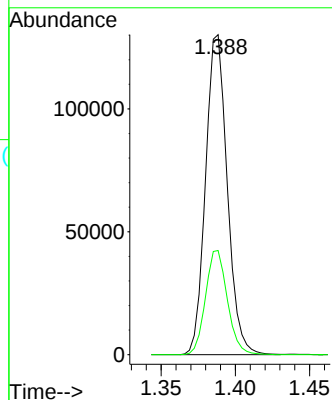
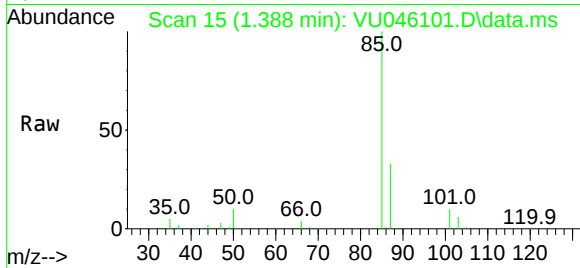




#2
 Dichlorodifluoromethane
 Concen: 46.106 ug/L
 RT: 1.388 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU046101.D
 Acq: 04 Dec 2021 19:35

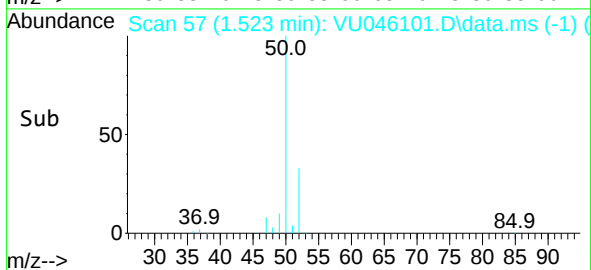
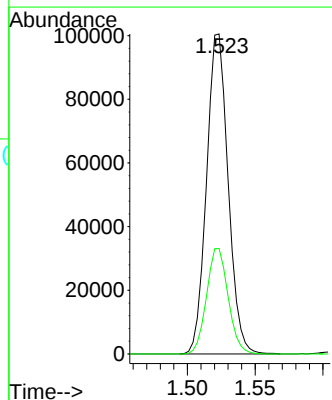
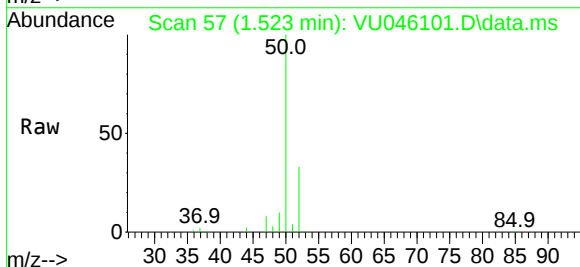
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 MSVOA_U
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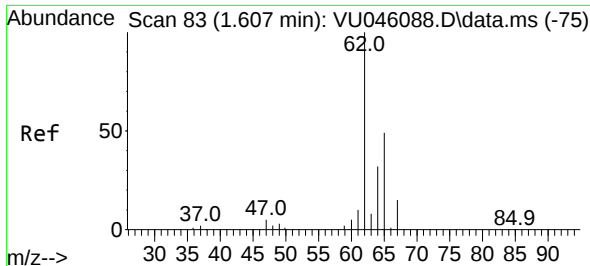
Tgt Ion: 85 Resp: 132342
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.7 38.5



#3
 Chloromethane
 Concen: 43.404 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.003 min
 Lab File: VU046101.D
 Acq: 04 Dec 2021 19:35

Tgt Ion: 50 Resp: 111433
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.2 43.2

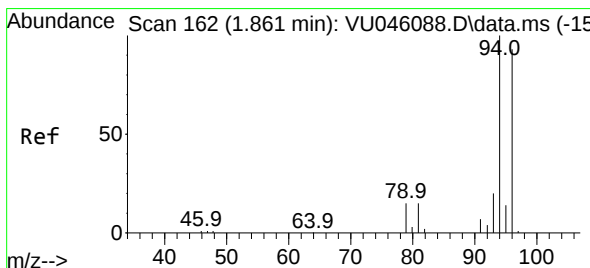
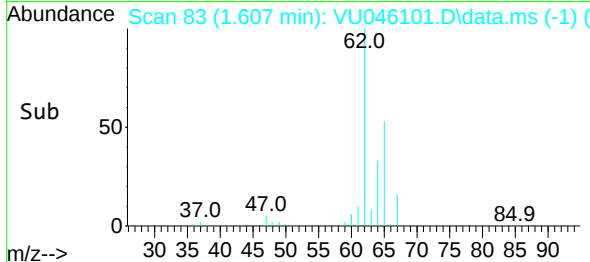
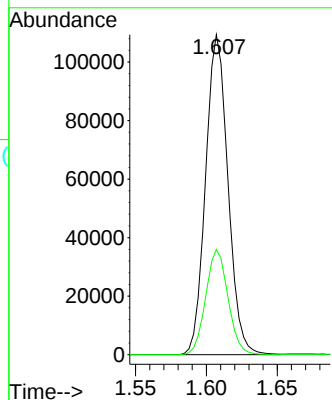
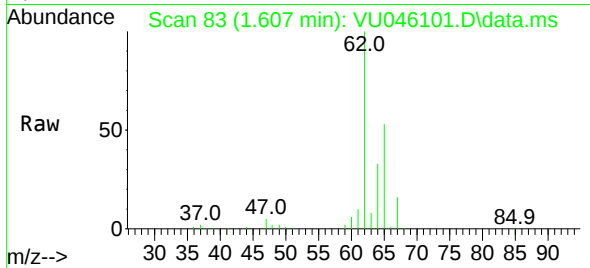




#5
 Vinyl chloride
 Concen: 46.407 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU046101.D
 Acq: 04 Dec 2021 19:35

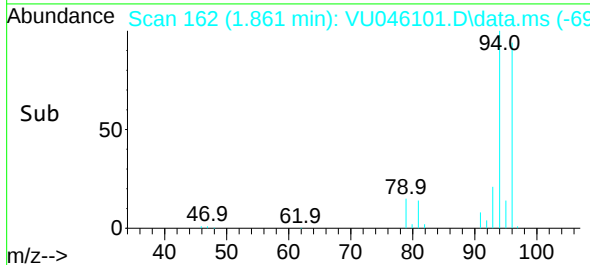
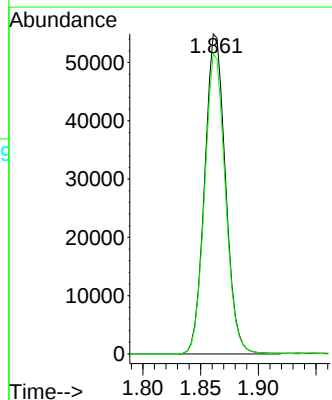
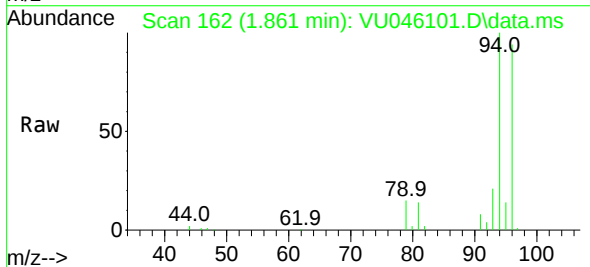
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 ClientSampleId :

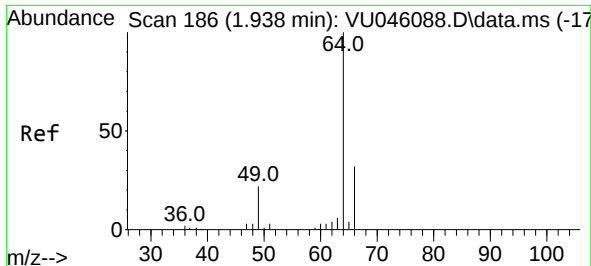
Tgt Ion: 62 Resp: 120133
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.9 42.5



#6
 Bromomethane
 Concen: 46.999 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU046101.D
 Acq: 04 Dec 2021 19:35

Tgt Ion: 94 Resp: 68958
 Ion Ratio Lower Upper
 94 100
 96 93.9 67.4 125.2

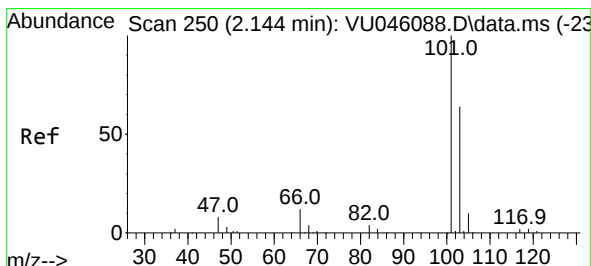
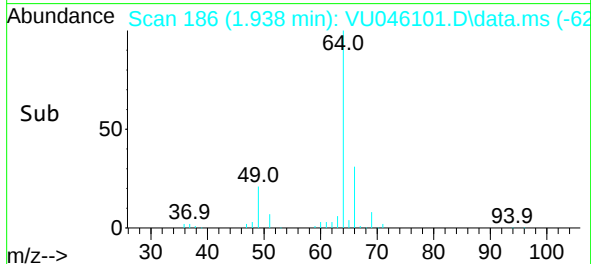
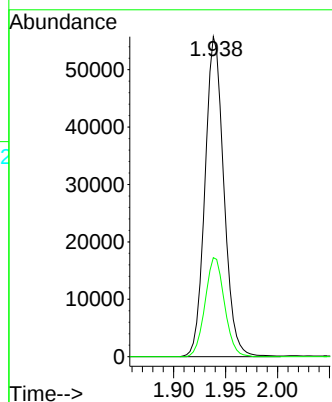
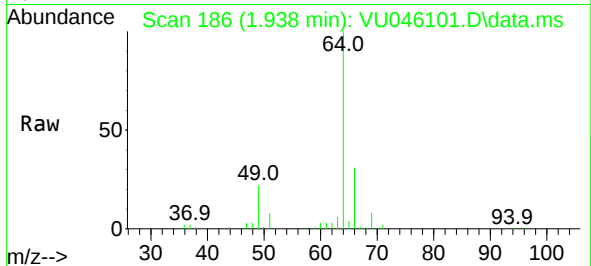




#8
Chloroethane
Concen: 47.033 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

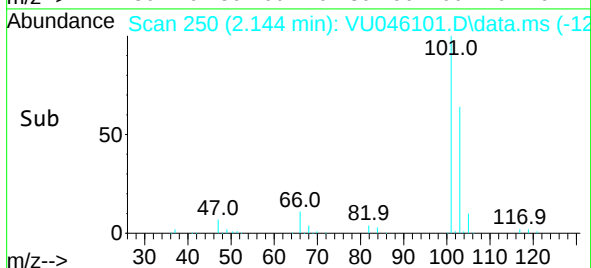
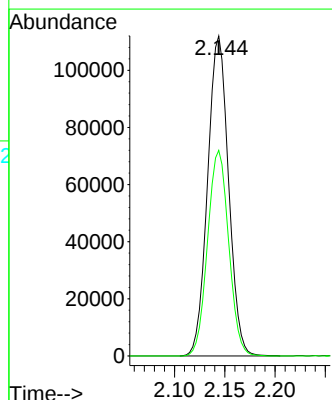
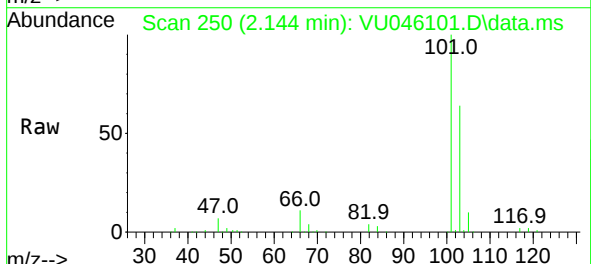
Instrument :
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ClientSampleId :

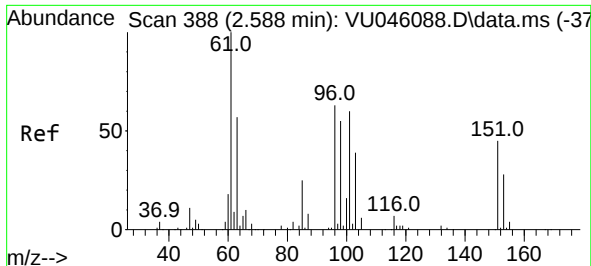
Tgt Ion: 64 Resp: 70495
Ion Ratio Lower Upper
64 100
66 31.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.972 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Tgt Ion:101 Resp: 162131
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6

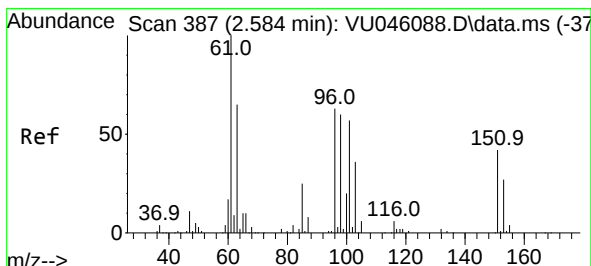
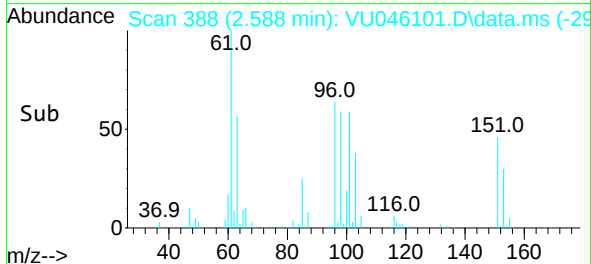
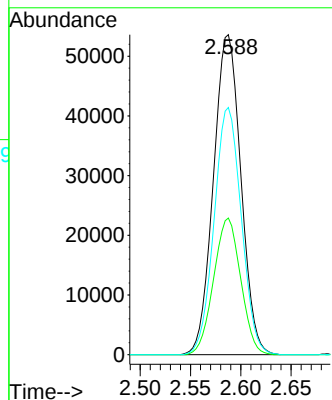
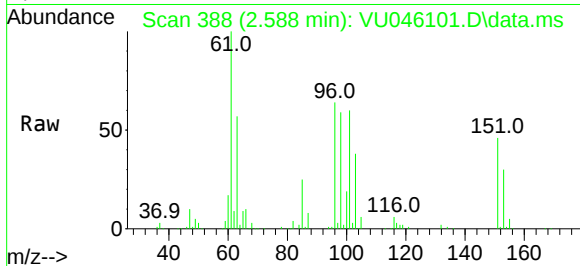




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.115 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046101.D
 Acq: 04 Dec 2021 19:35

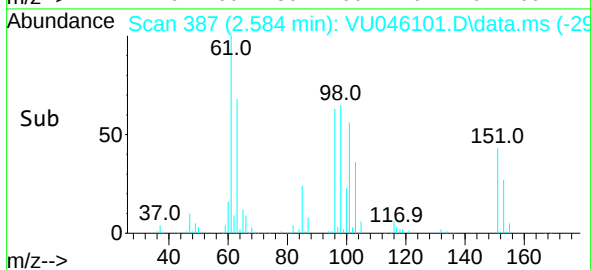
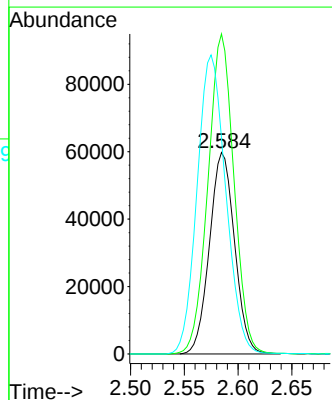
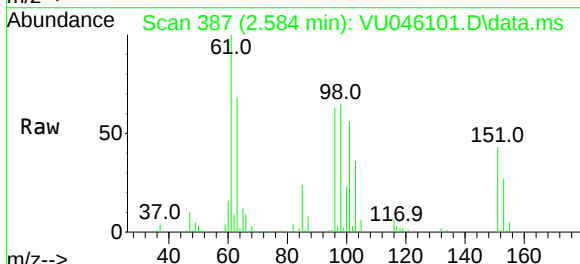
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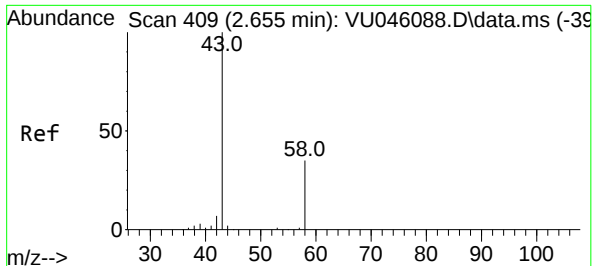
Tgt Ion:101 Resp: 101965
 Ion Ratio Lower Upper
 101 100
 85 42.0 35.1 52.7
 151 76.6 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 53.189 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU046101.D
 Acq: 04 Dec 2021 19:35

Tgt Ion: 96 Resp: 97028
 Ion Ratio Lower Upper
 96 100
 61 158.8 118.6 220.2
 63 107.3 93.0 172.8





#13

Acetone

Concen: 60.579 ug/L

RT: 2.655 min Scan# 409

Delta R.T. -0.006 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

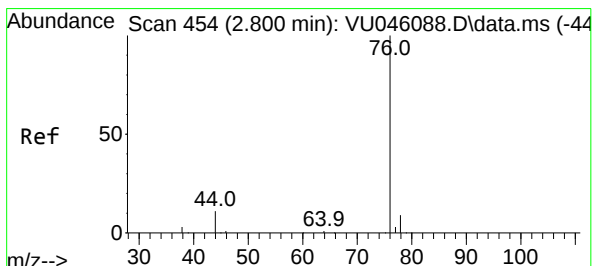
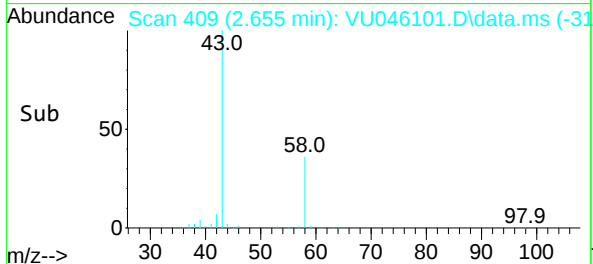
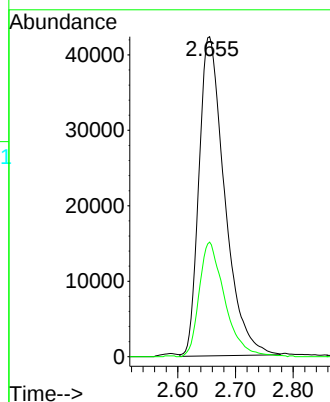
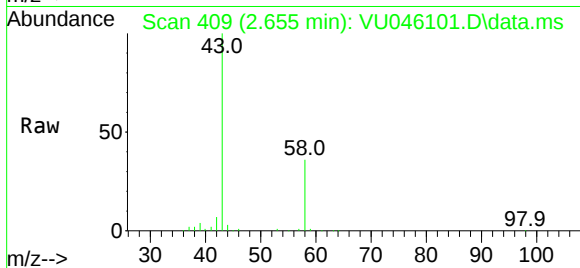
ClientSampleId :

Tgt Ion: 43 Resp: 130801

Ion Ratio Lower Upper

43 100

58 35.7 0.0 66.8



#14

Carbon disulfide

Concen: 49.355 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046101.D

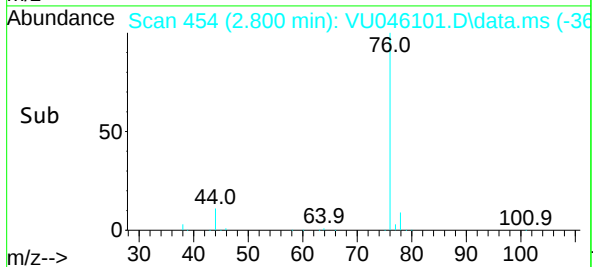
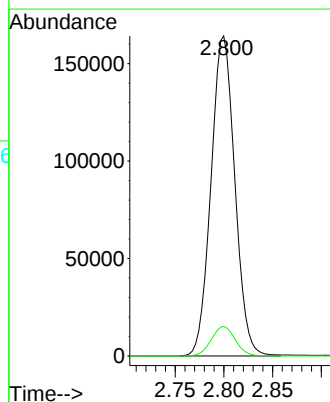
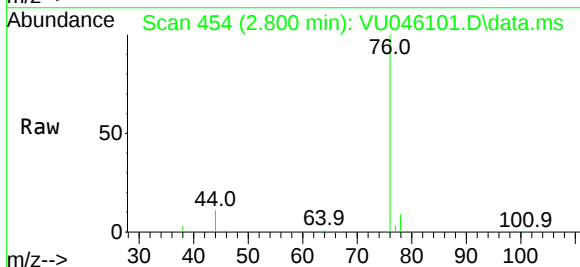
Acq: 04 Dec 2021 19:35

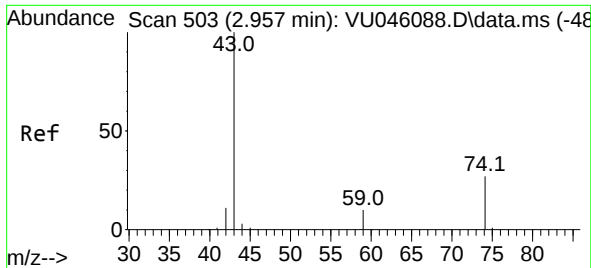
Tgt Ion: 76 Resp: 279332

Ion Ratio Lower Upper

76 100

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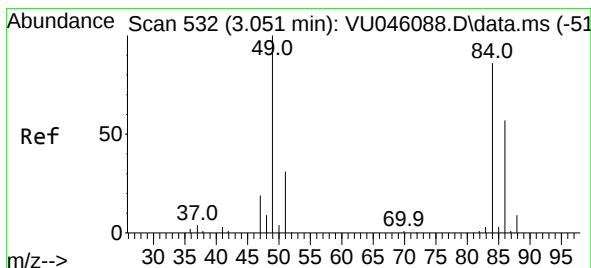
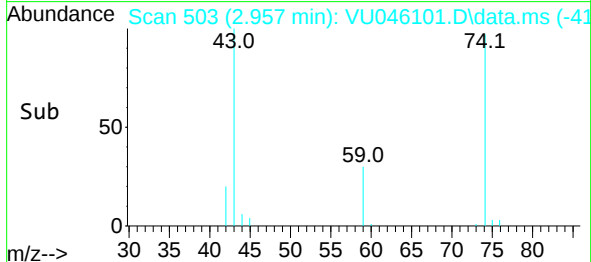
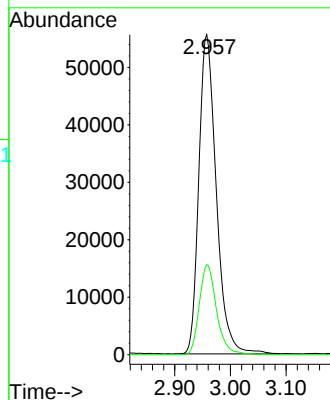
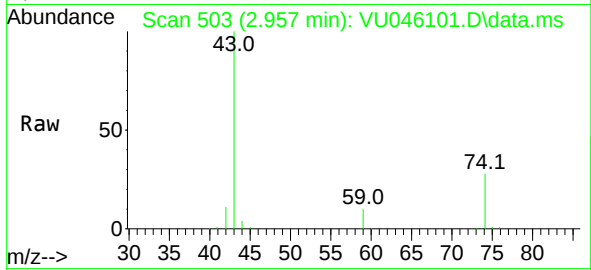




#15
Methyl Acetate
Concen: 47.988 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

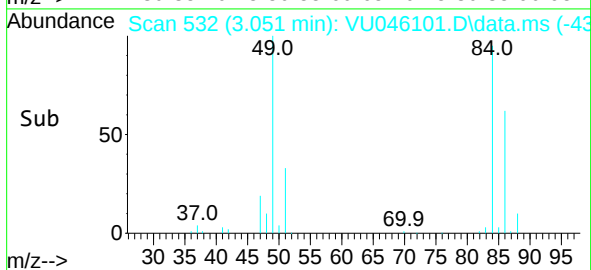
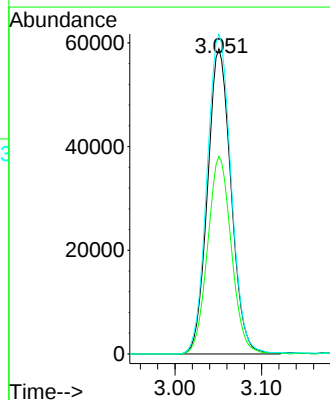
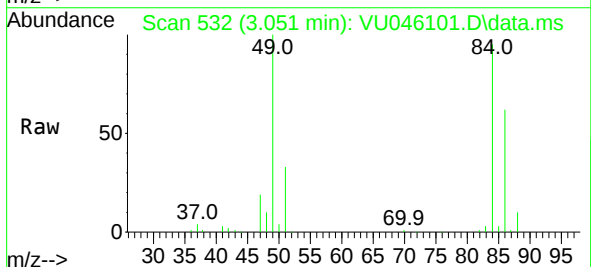
Instrument :
MSVOA_U
ClientSampleId :

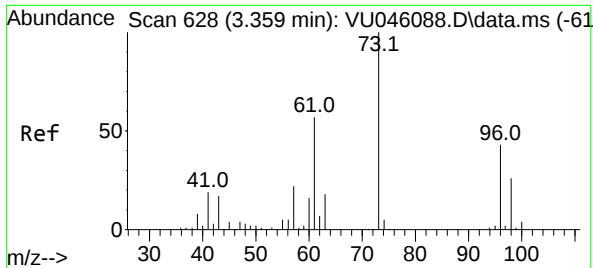
Tgt Ion: 43 Resp: 120788
Ion Ratio Lower Upper
43 100
74 27.9 20.8 31.2



#16
Methylene chloride
Concen: 51.135 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Tgt Ion: 84 Resp: 110983
Ion Ratio Lower Upper
84 100
86 64.8 44.7 83.1
49 104.9 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 54.106 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :

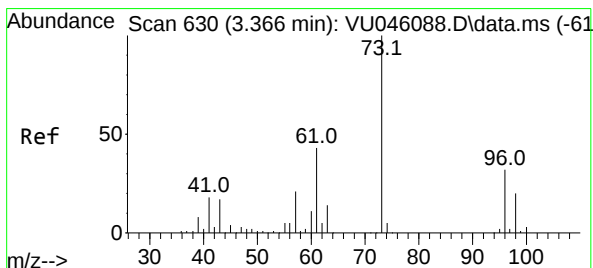
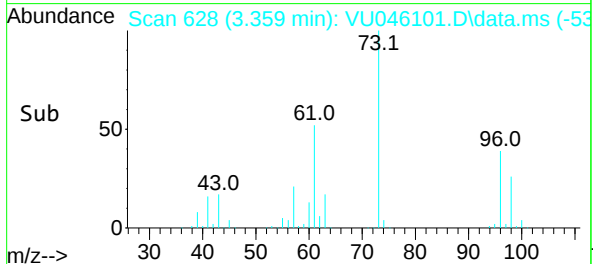
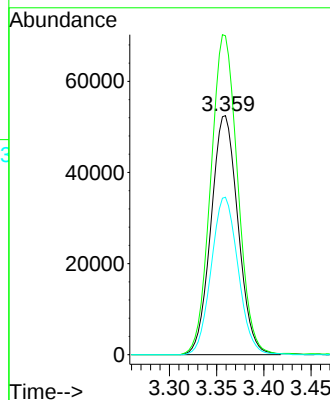
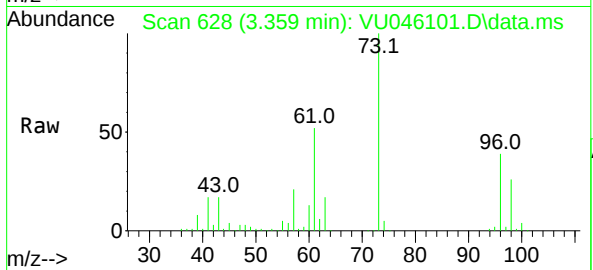
Tgt Ion: 96 Resp: 104452

Ion Ratio Lower Upper

96 100

61 133.3 94.6 175.6

98 65.9 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 57.317 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.003 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

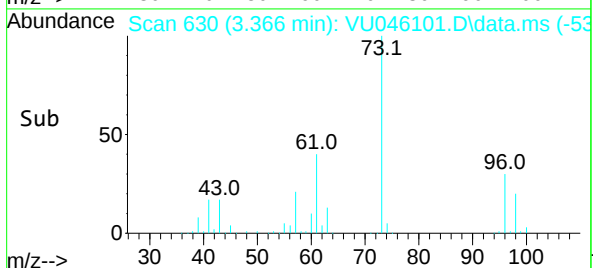
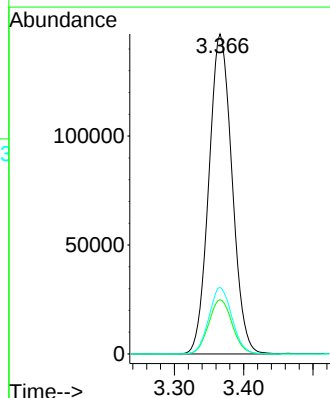
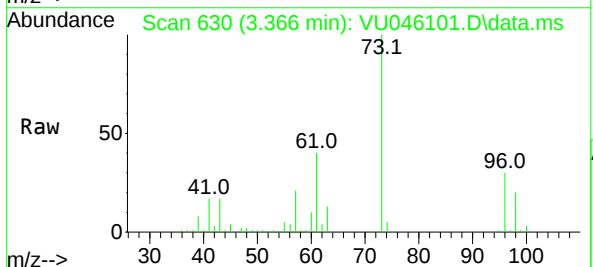
Tgt Ion: 73 Resp: 341006

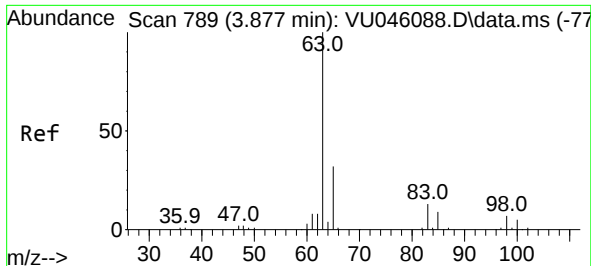
Ion Ratio Lower Upper

73 100

43 17.3 14.0 21.0

57 20.7 17.0 25.4





#19

1,1-Dichloroethane

Concen: 52.642 ug/L

RT: 3.874 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :

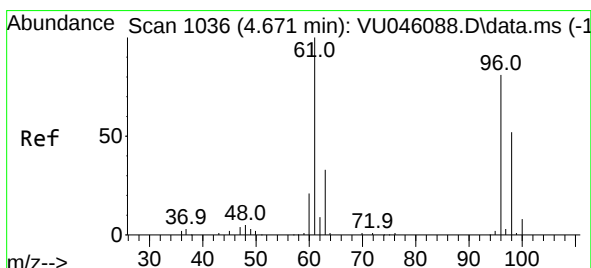
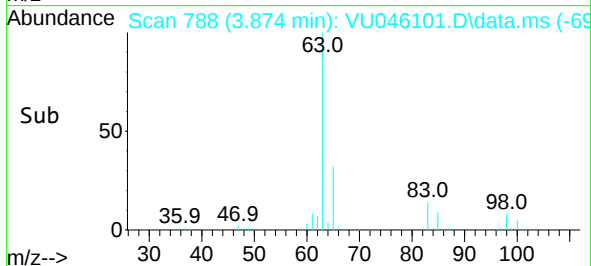
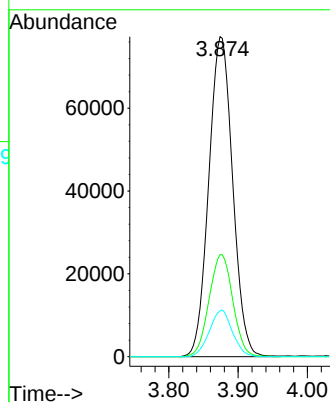
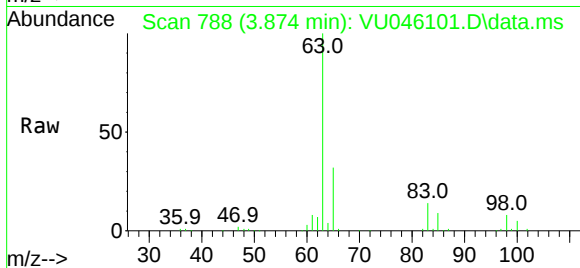
Tgt Ion: 63 Resp: 184778

Ion Ratio Lower Upper

63 100

65 31.9 22.8 42.4

83 14.4 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 56.271 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

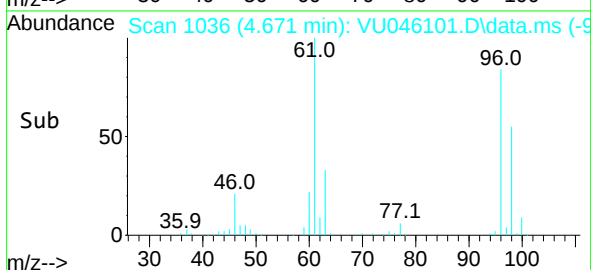
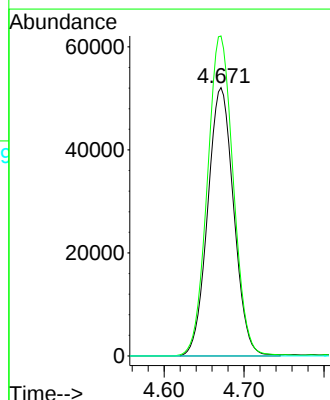
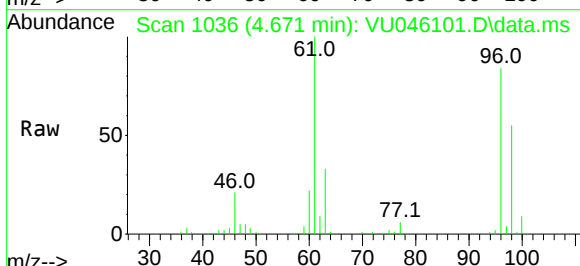
Tgt Ion: 96 Resp: 117872

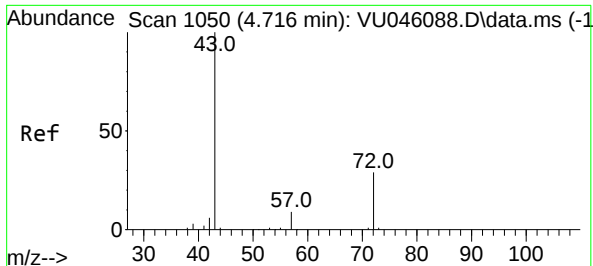
Ion Ratio Lower Upper

96 100

61 119.3 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 78.714 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. -0.006 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

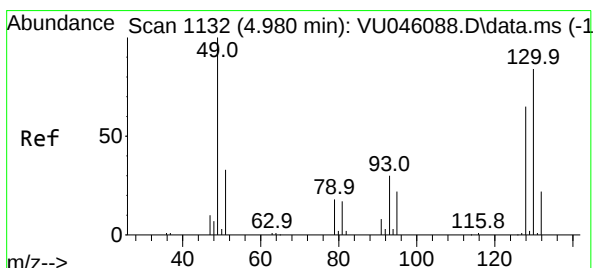
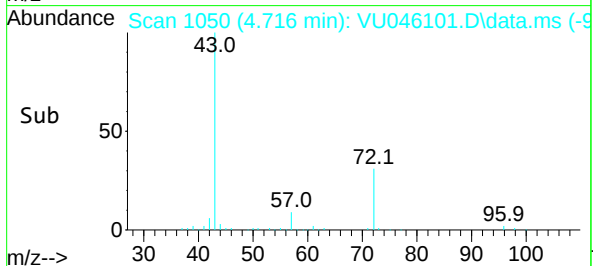
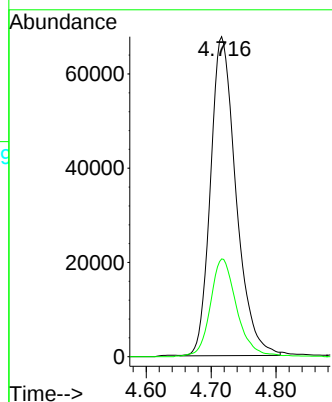
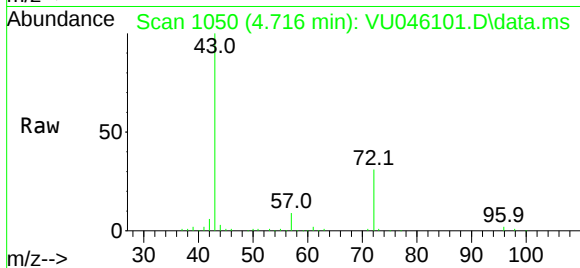
ClientSampleId :

Tgt Ion: 43 Resp: 185015

Ion Ratio Lower Upper

43 100

72 30.8 14.5 43.6



#23

Bromochloromethane

Concen: 57.228 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Tgt Ion: 128 Resp: 60544

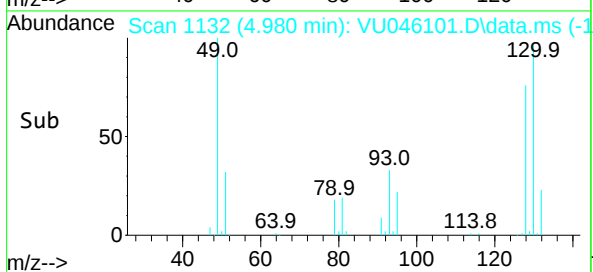
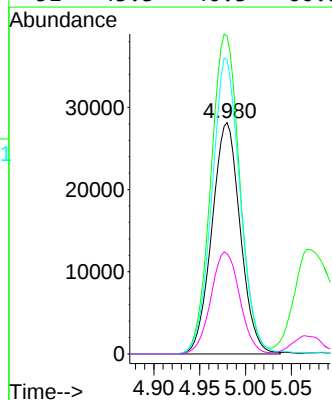
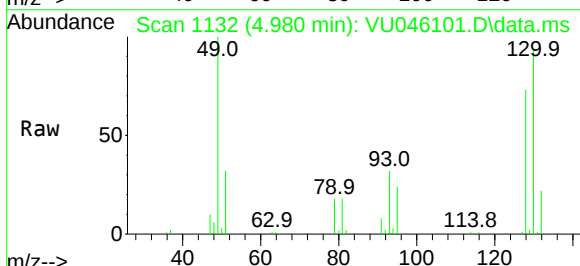
Ion Ratio Lower Upper

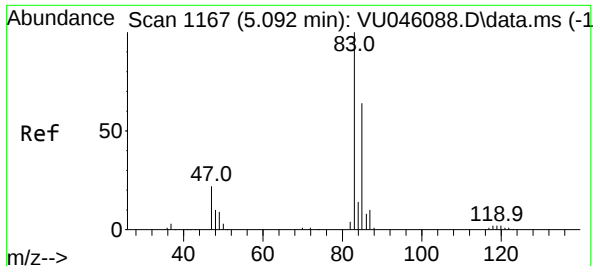
128 100

49 137.4 115.9 215.3

130 127.1 91.8 170.4

51 43.3 40.3 60.5





#25

Chloroform

Concen: 50.746 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

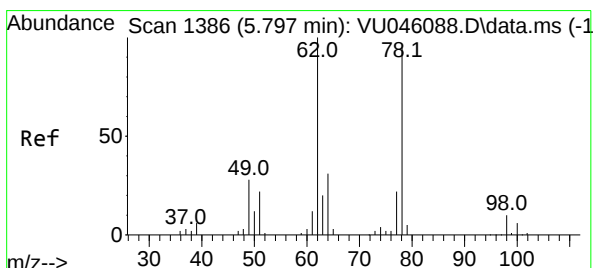
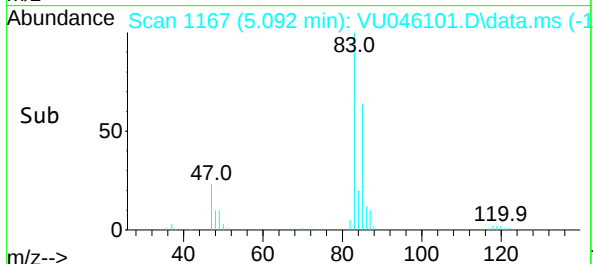
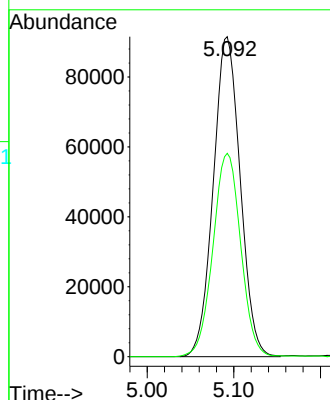
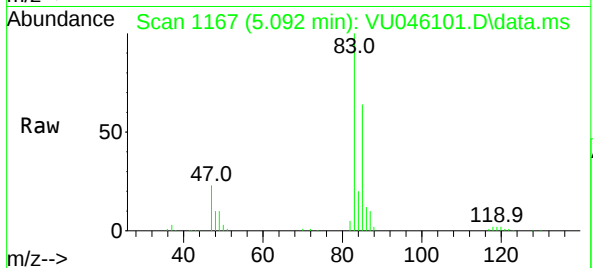
ClientSampleId :

Tgt Ion: 83 Resp: 197907

Ion Ratio Lower Upper

83 100

85 63.5 45.8 85.2



#27

1,2-Dichloroethane

Concen: 51.194 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046101.D

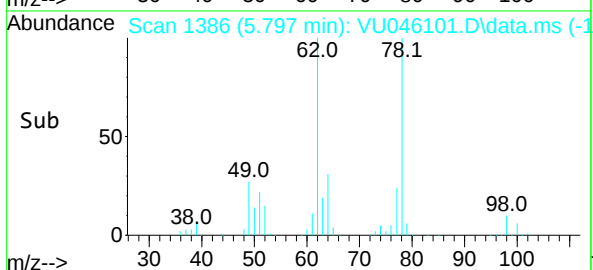
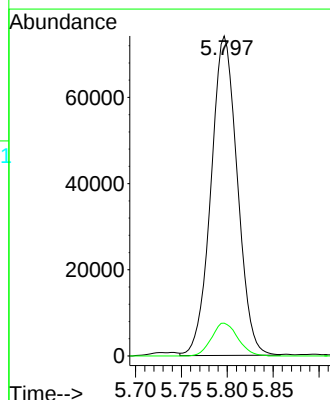
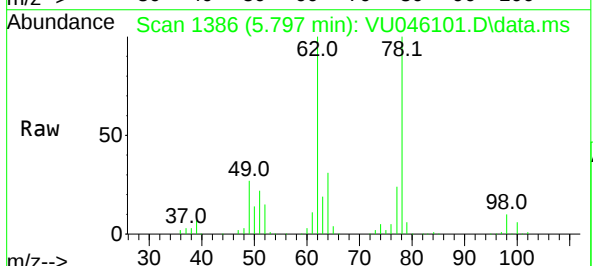
Acq: 04 Dec 2021 19:35

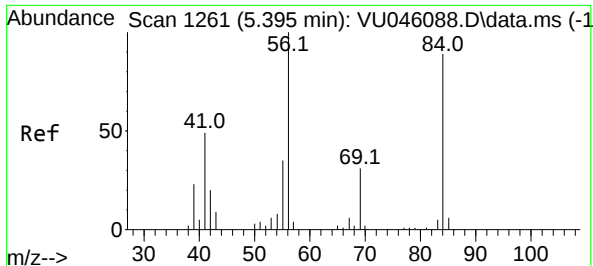
Tgt Ion: 62 Resp: 148156

Ion Ratio Lower Upper

62 100

98 10.2 7.9 11.9





#29

Cyclohexane

Concen: 55.540 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :

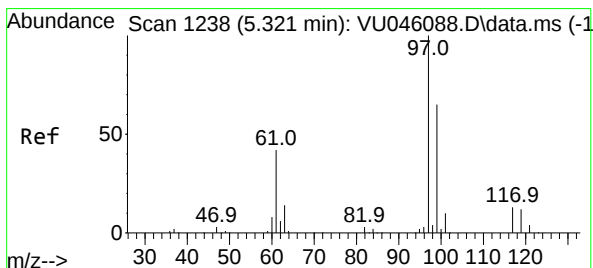
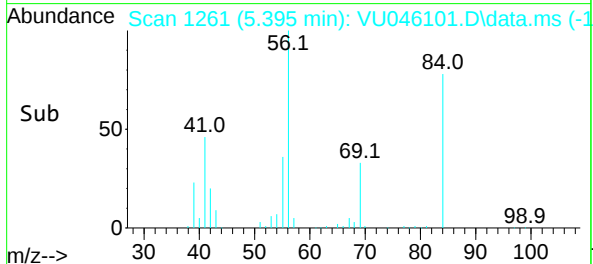
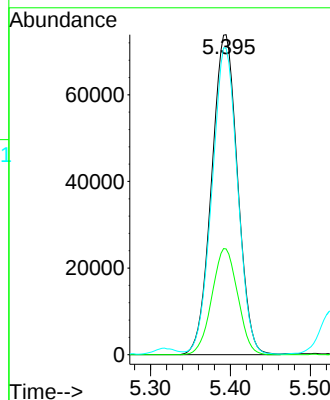
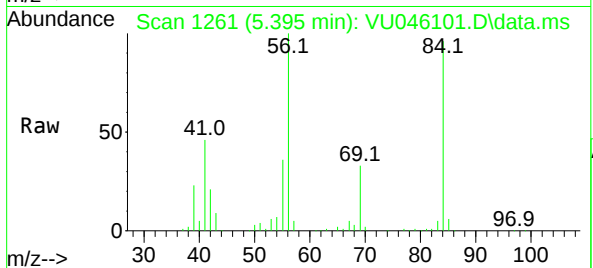
Tgt Ion: 56 Resp: 166459

Ion Ratio Lower Upper

56 100

69 32.9 25.2 37.8

84 94.4 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 54.904 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

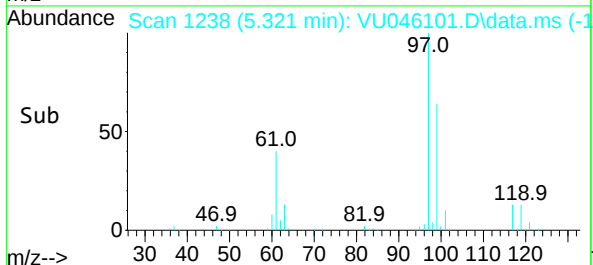
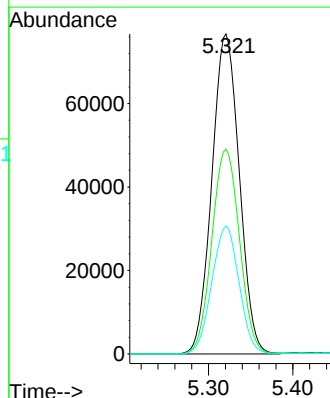
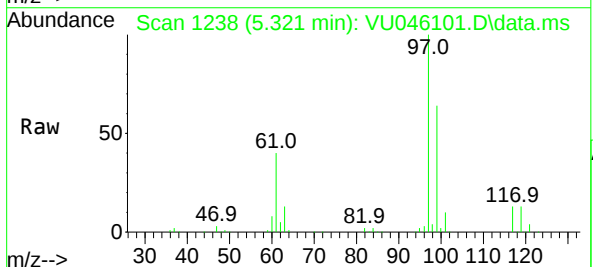
Tgt Ion: 97 Resp: 173465

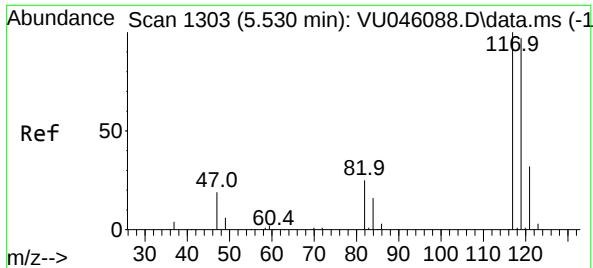
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 39.7 34.4 51.6

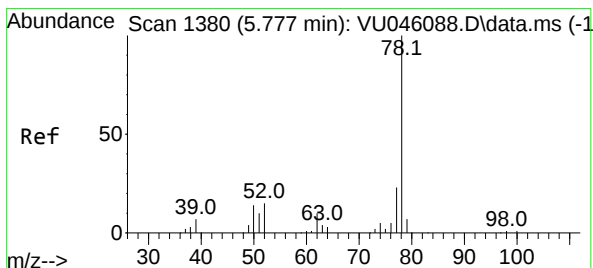
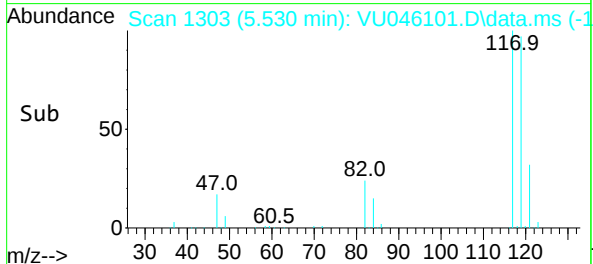
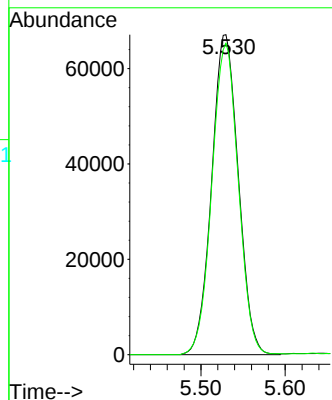
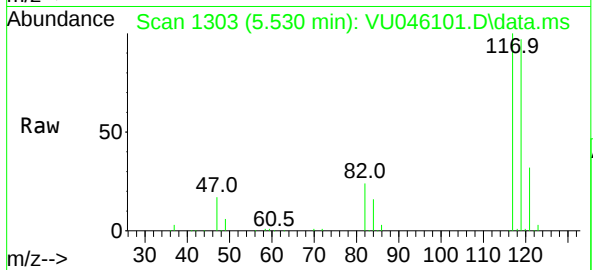




#31
Carbon tetrachloride
Concen: 55.010 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

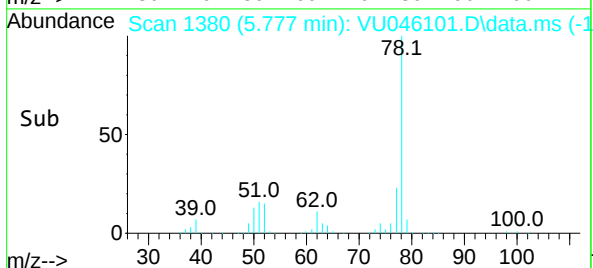
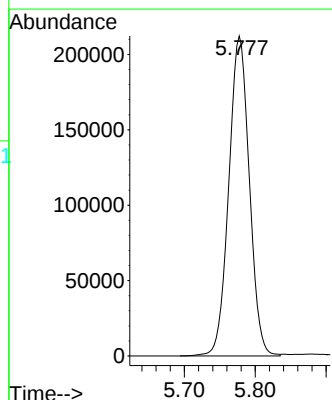
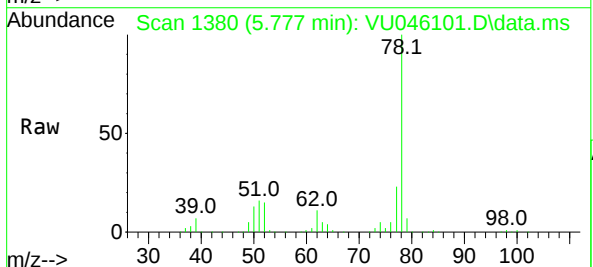
Instrument :
MSVOA_U
ClientSampleId :

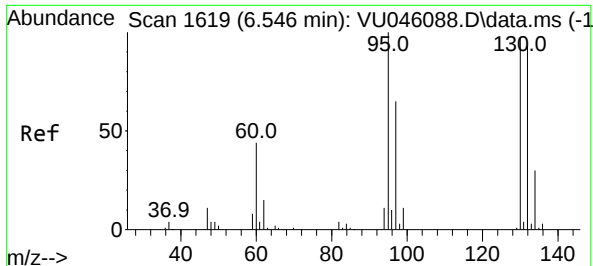
Tgt Ion:117 Resp: 147549
Ion Ratio Lower Upper
117 100
119 96.2 75.7 113.5



#33
Benzene
Concen: 54.906 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Tgt Ion: 78 Resp: 427728

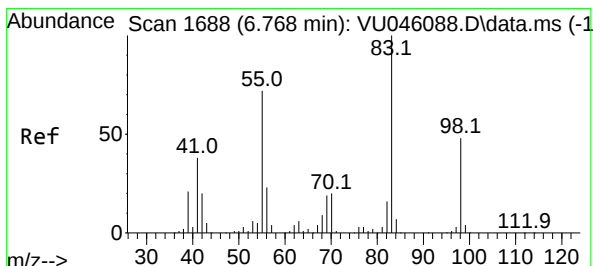
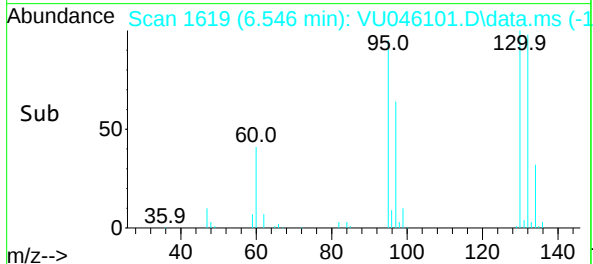
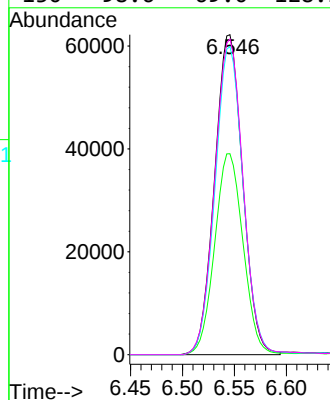
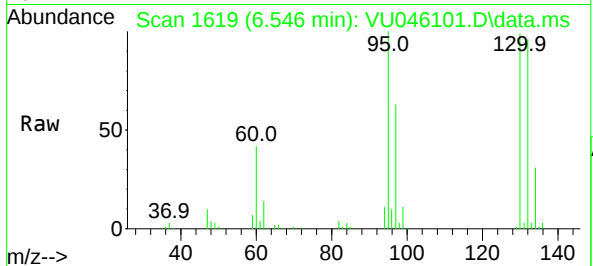




#34
Trichloroethene
Concen: 56.889 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

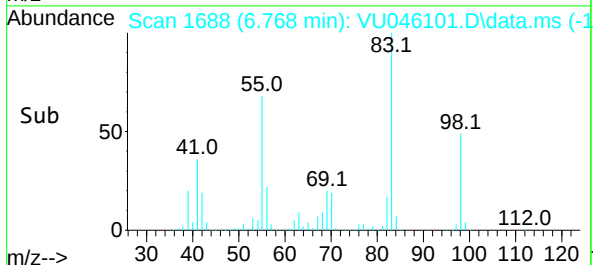
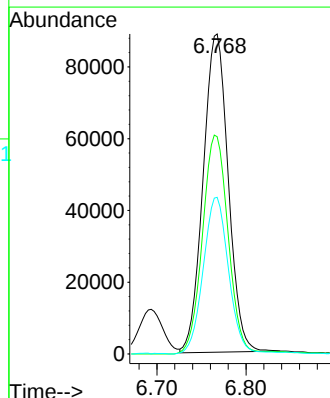
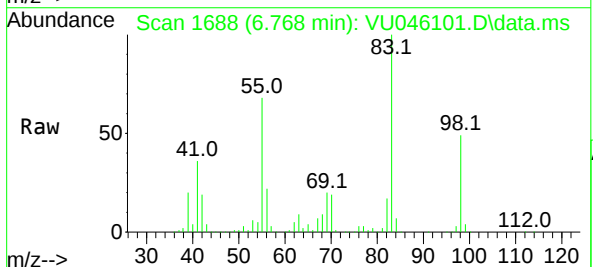
Instrument :
MSVOA_U
ClientSampleId :

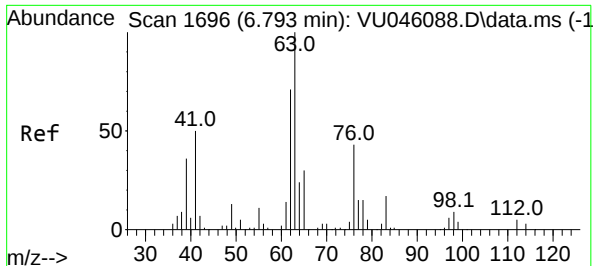
Tgt Ion: 95 Resp: 116751
Ion Ratio Lower Upper
95 100
97 62.8 44.1 81.9
132 96.3 66.8 124.0
130 98.6 69.0 128.1



#35
Methylcyclohexane
Concen: 54.653 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Tgt Ion: 83 Resp: 173914
Ion Ratio Lower Upper
83 100
55 69.9 57.8 86.6
98 49.8 38.4 57.6





#37

1,2-Dichloropropane

Concen: 54.330 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

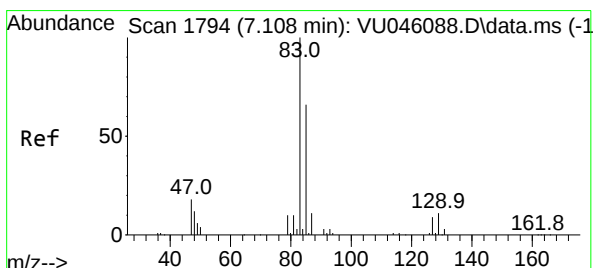
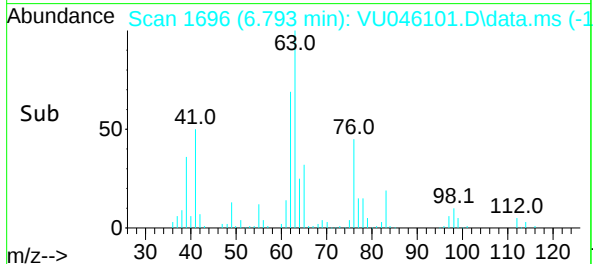
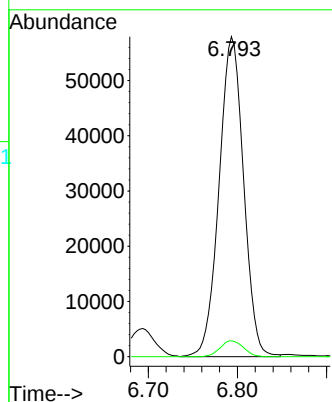
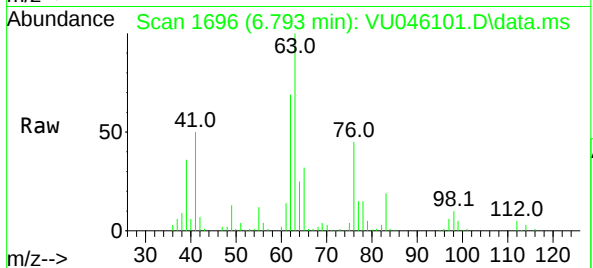
ClientSampleId :

Tgt Ion: 63 Resp: 110870

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 53.349 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

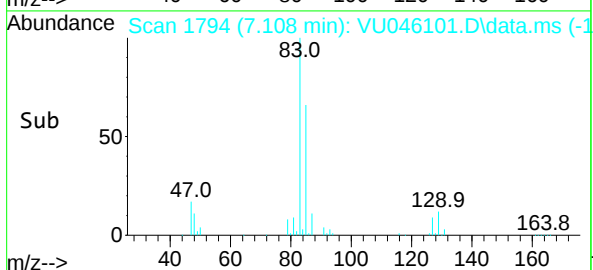
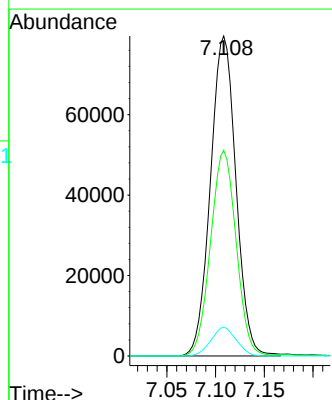
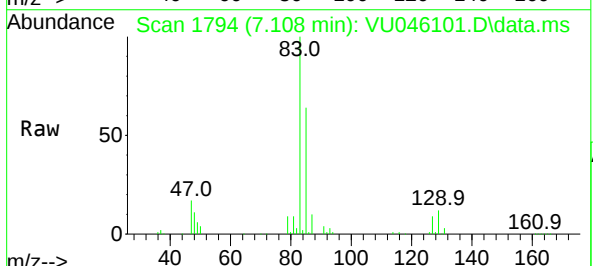
Tgt Ion: 83 Resp: 144705

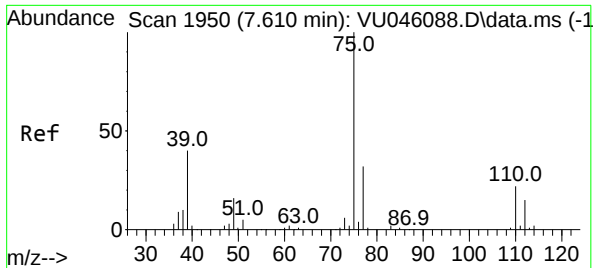
Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.5

127 9.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 57.256 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

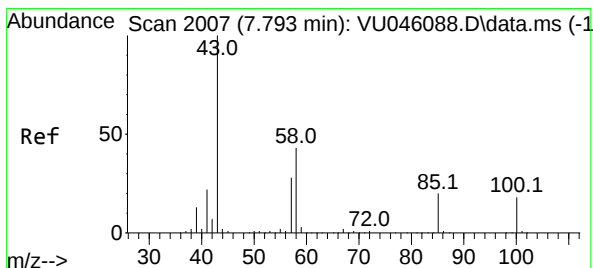
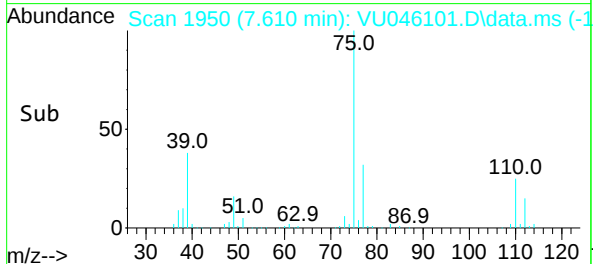
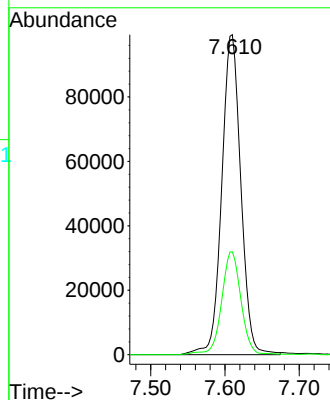
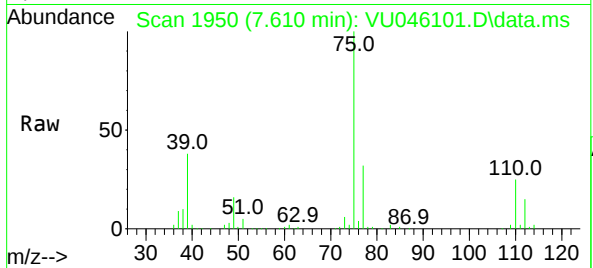
ClientSampleId :

Tgt Ion: 75 Resp: 177751

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 105.870 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

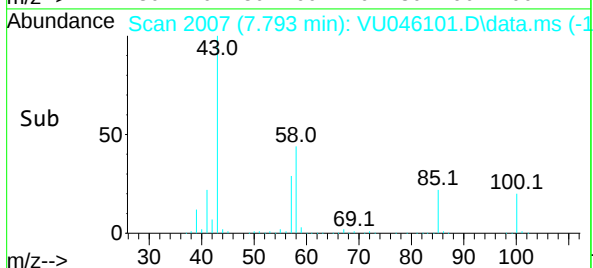
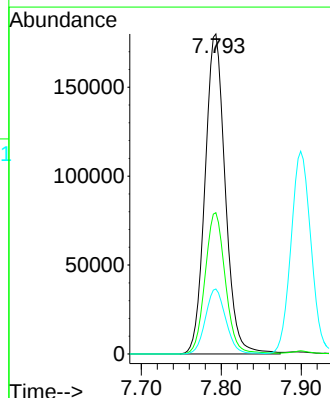
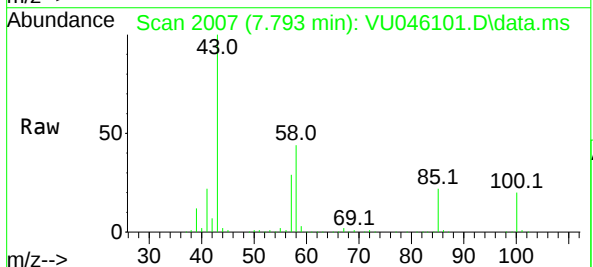
Tgt Ion: 43 Resp: 317425

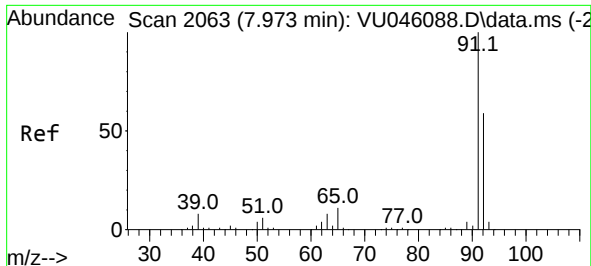
Ion Ratio Lower Upper

43 100

58 44.3 34.2 51.4

100 20.3 14.5 21.7





#42

Toluene

Concen: 57.116 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

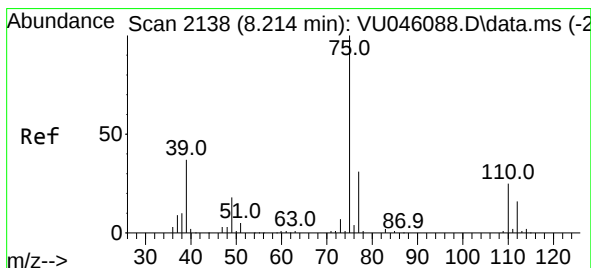
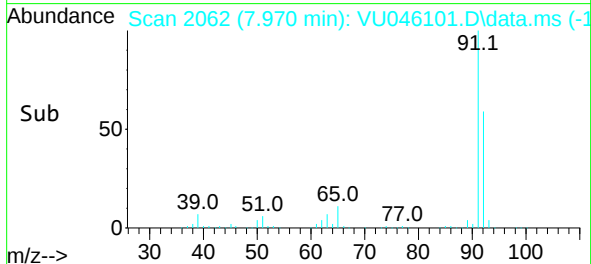
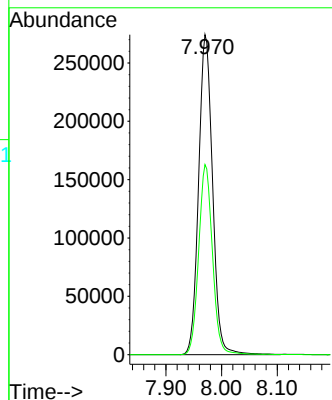
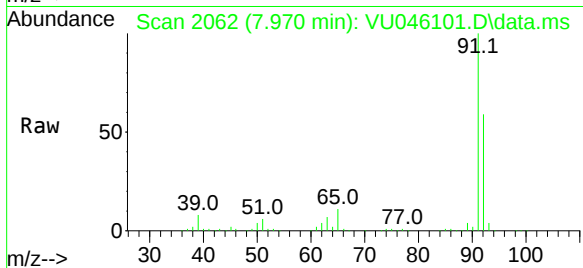
ClientSampleId :

Tgt Ion: 91 Resp: 477431

Ion Ratio Lower Upper

91 100

92 59.4 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 56.668 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046101.D

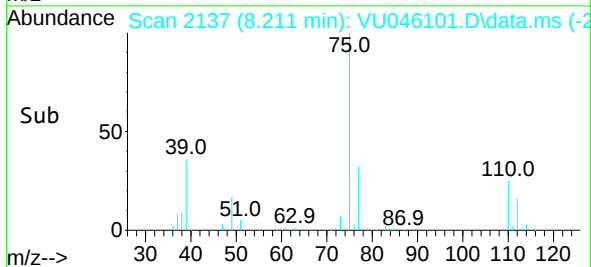
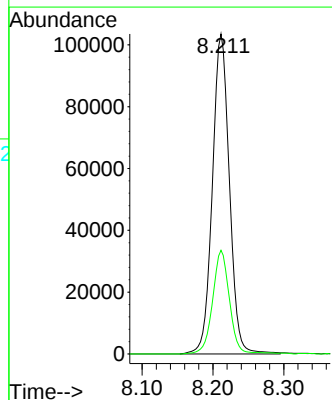
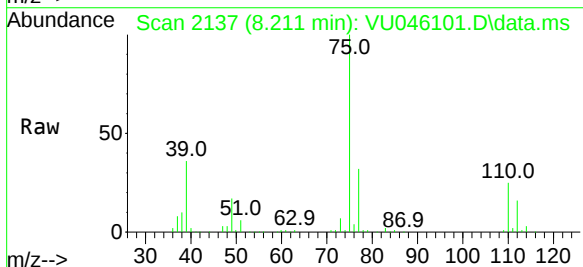
Acq: 04 Dec 2021 19:35

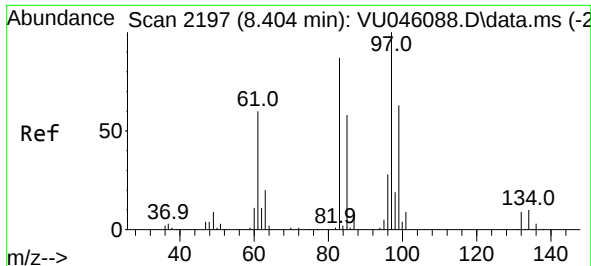
Tgt Ion: 75 Resp: 172786

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3



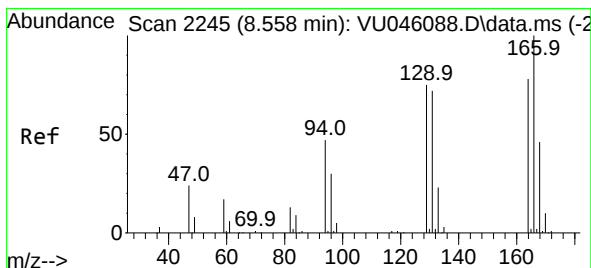
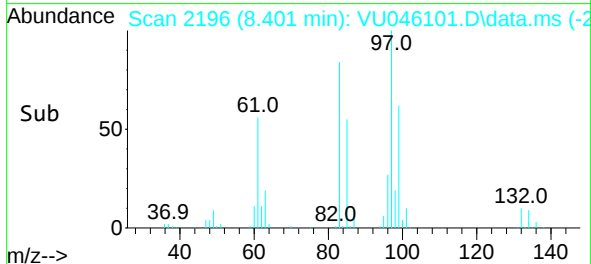
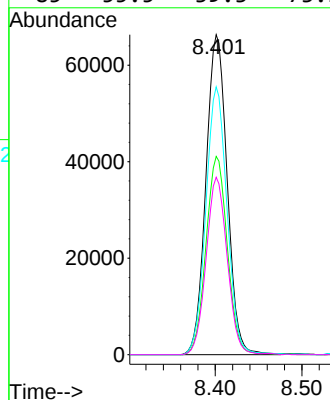
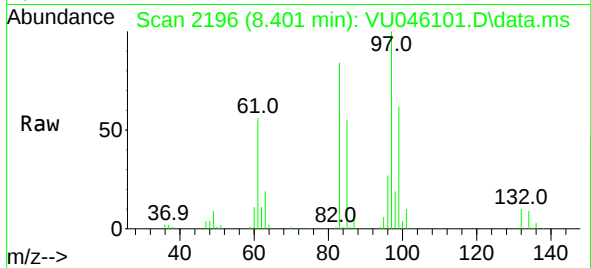


#45
1,1,2-Trichloroethane
Concen: 55.202 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 113017

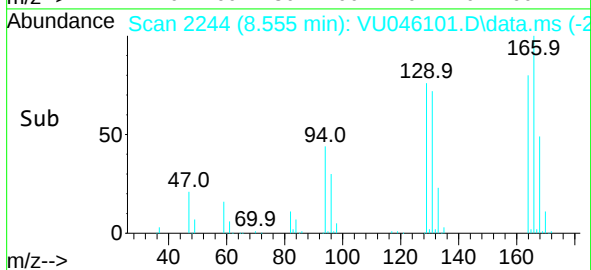
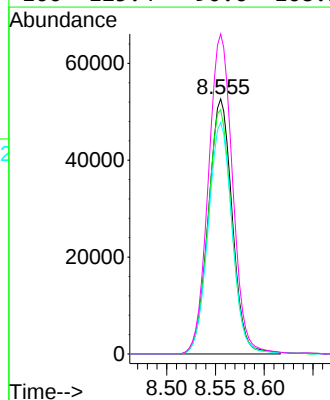
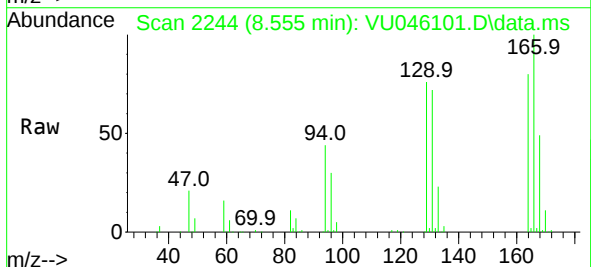
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.7	82.9
83	83.7	60.2	111.8
85	55.5	39.3	73.1

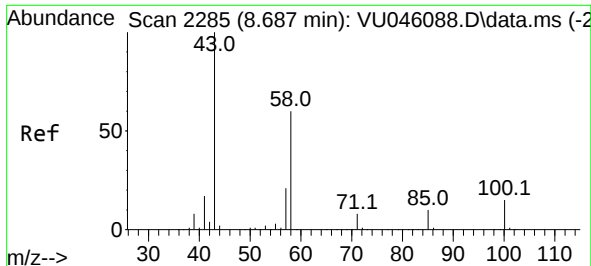


#46
Tetrachloroethene
Concen: 59.543 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Tgt Ion: 164 Resp: 89800

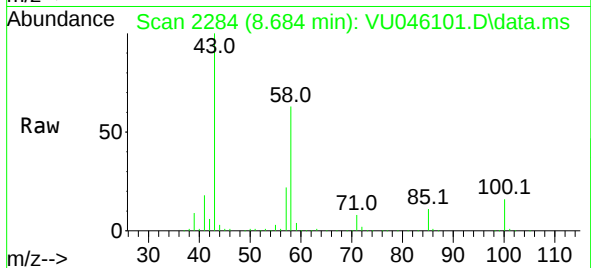
Ion	Ratio	Lower	Upper
164	100		
129	95.7	71.1	132.1
131	90.7	67.8	126.0
166	125.4	90.6	168.2



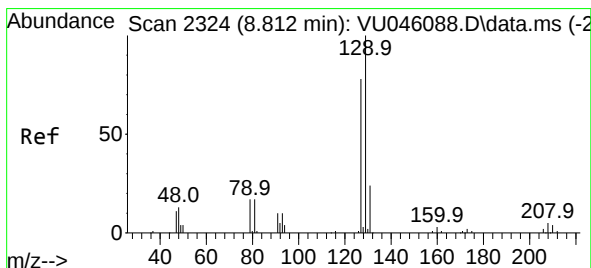
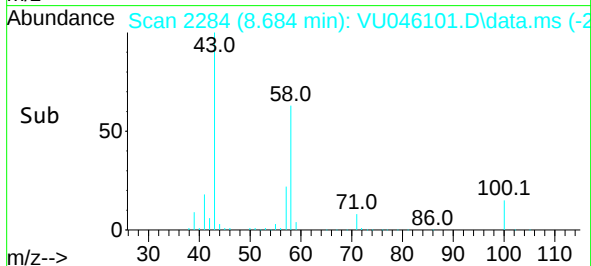
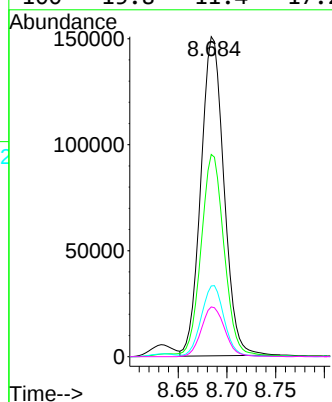


#48
2-Hexanone
Concen: 92.513 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Instrument :
MSVOA_U
ClientSampleId :

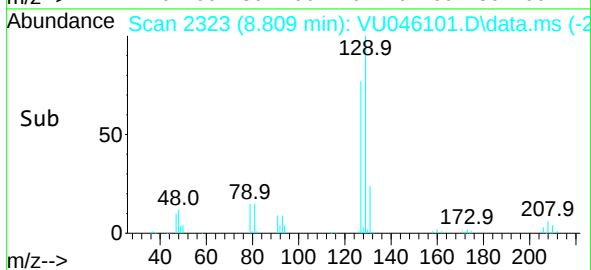
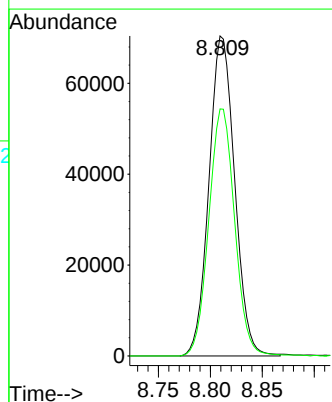
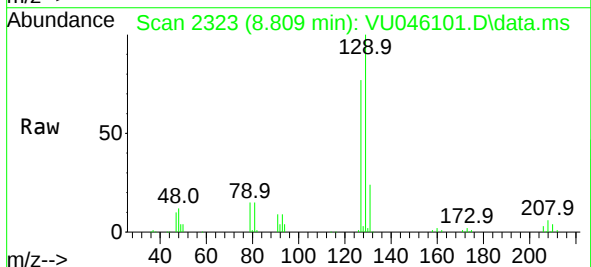


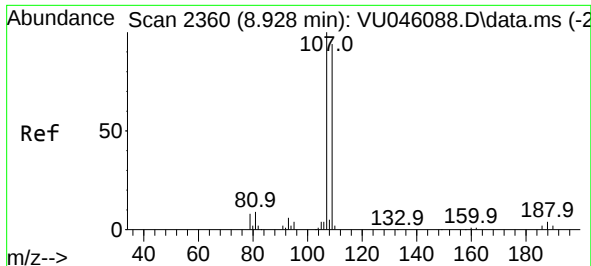
Tgt Ion: 43	Resp: 248067
Ion Ratio	Lower Upper
43 100	
58 63.5	47.4 71.2
57 22.3	16.6 25.0
100 15.8	11.4 17.2



#49
Dibromochloromethane
Concen: 56.324 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

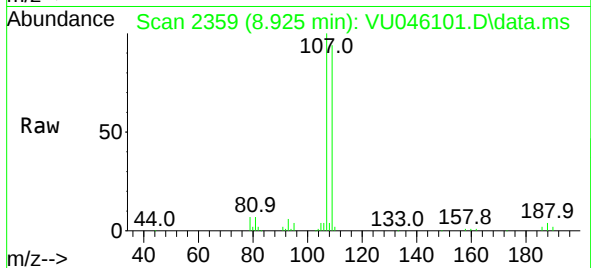
Tgt Ion:129	Resp: 121093
Ion Ratio	Lower Upper
129 100	
127 77.2	55.6 103.4



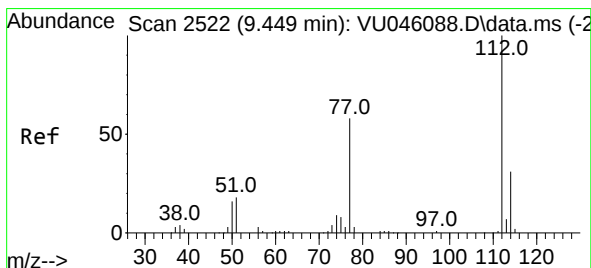
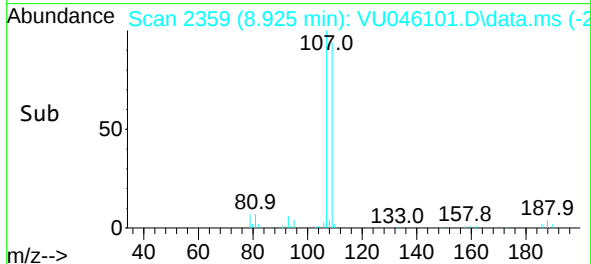
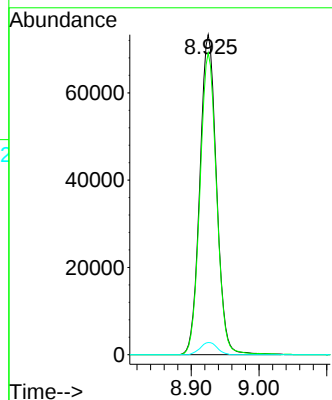


#50
1,2-Dibromoethane
Concen: 56.382 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Instrument :
MSVOA_U
ClientSampleId :

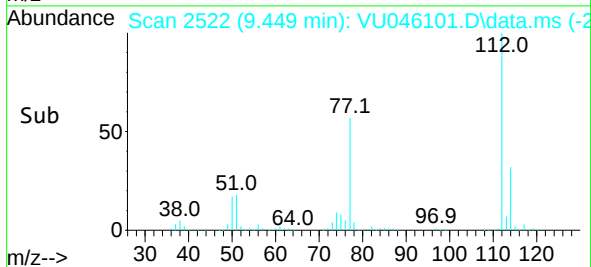
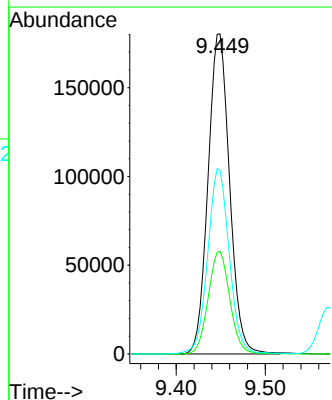
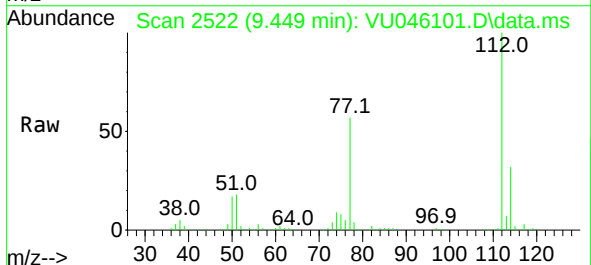


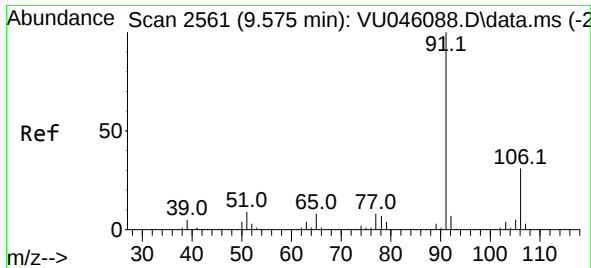
Tgt Ion:107 Resp: 125148
Ion Ratio Lower Upper
107 100
109 94.3 64.9 120.5
188 3.8 2.6 3.8



#51
Chlorobenzene
Concen: 55.972 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Tgt Ion:112 Resp: 302692
Ion Ratio Lower Upper
112 100
114 32.1 22.2 41.2
77 57.4 47.4 71.0

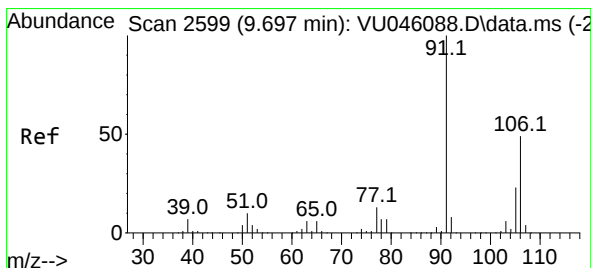
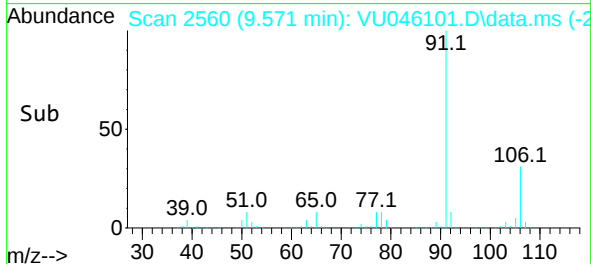
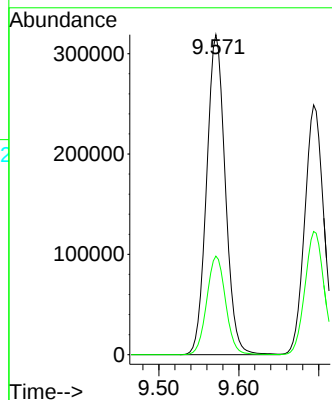
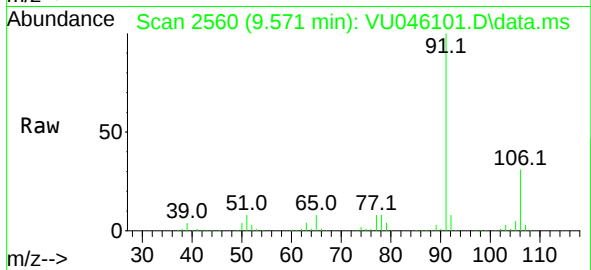




#52
Ethylbenzene
Concen: 57.604 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

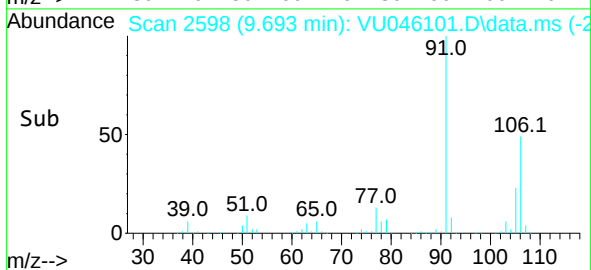
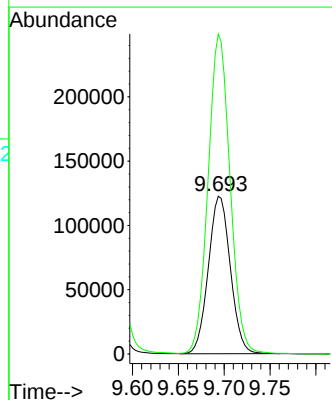
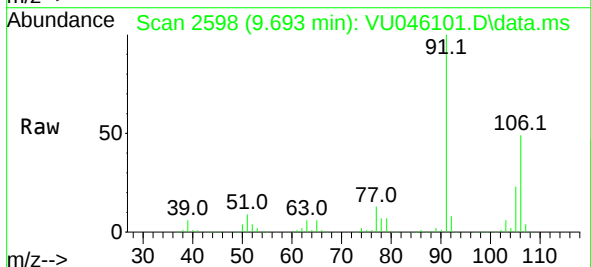
Instrument :
MSVOA_U
ClientSampleId :

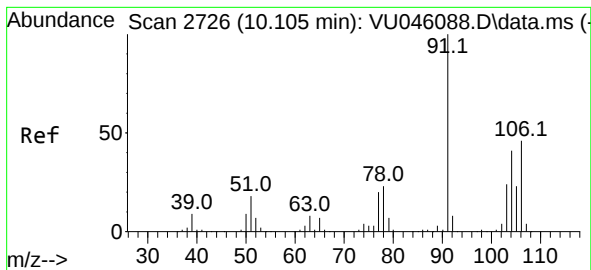
Tgt Ion: 91 Resp: 518209
Ion Ratio Lower Upper
91 100
106 30.8 21.1 39.3



#53
m,p-Xylene
Concen: 58.311 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Tgt Ion:106 Resp: 204577
Ion Ratio Lower Upper
106 100
91 202.9 144.3 268.1





#54

o-xylene

Concen: 58.018 ug/L

RT: 10.102 min Scan# 2726

Delta R.T. -0.003 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

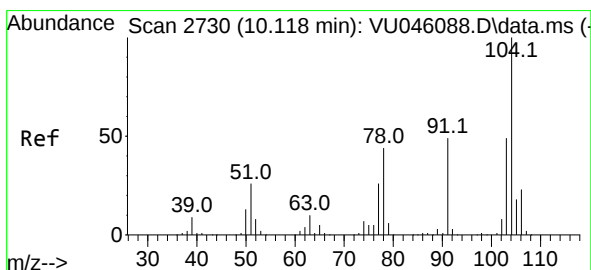
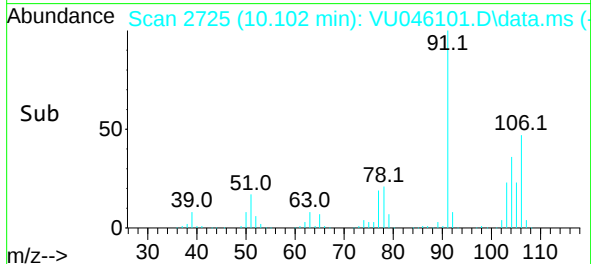
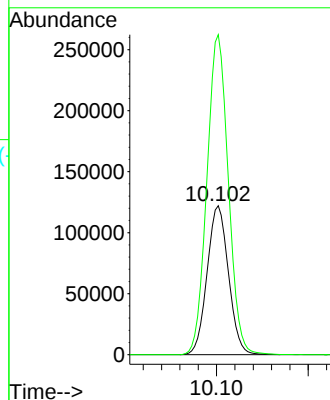
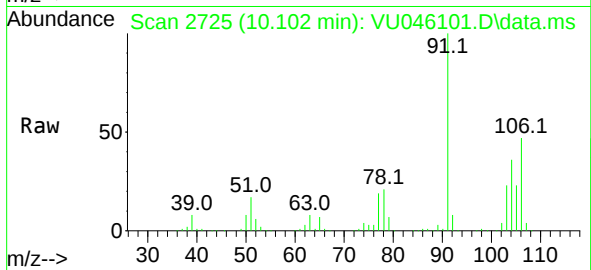
ClientSampleId :

Tgt Ion:106 Resp: 197508

Ion Ratio Lower Upper

106 100

91 214.8 154.2 286.4



#55

Styrene

Concen: 58.724 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VU046101.D

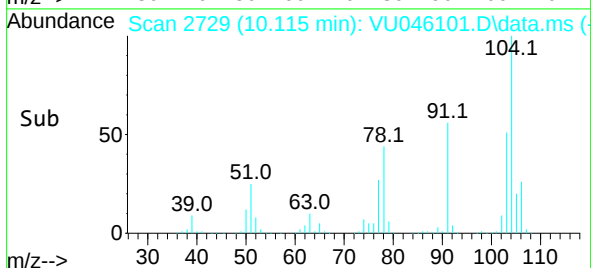
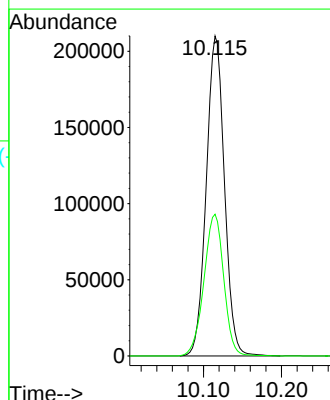
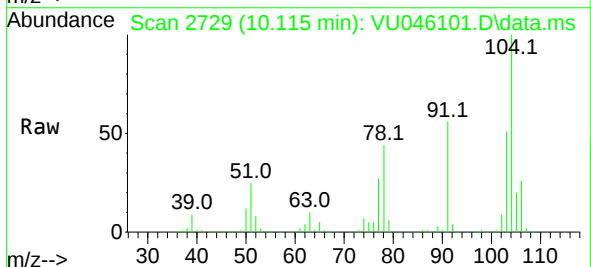
Acq: 04 Dec 2021 19:35

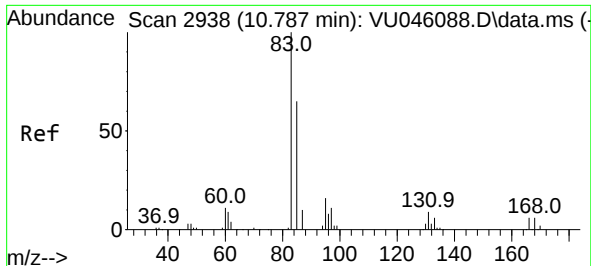
Tgt Ion:104 Resp: 341309

Ion Ratio Lower Upper

104 100

78 44.3 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 51.789 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :

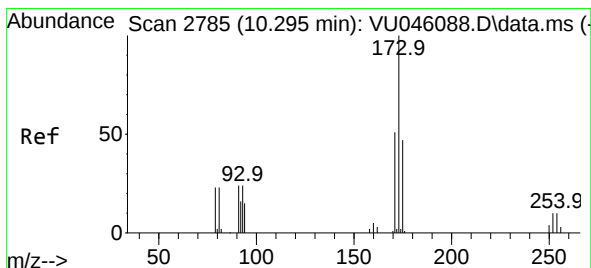
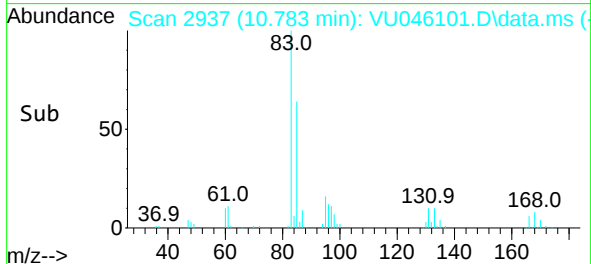
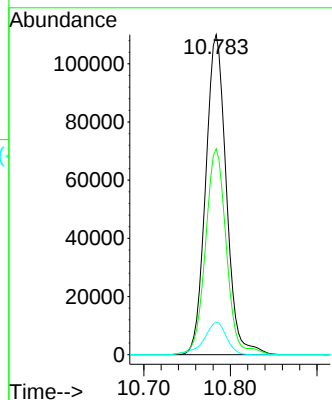
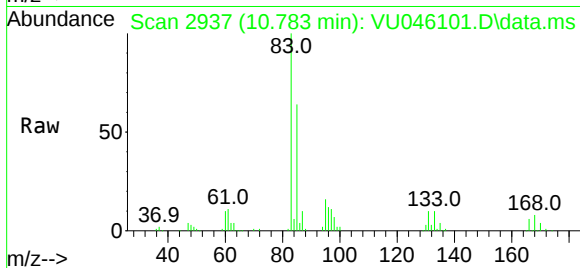
Tgt Ion: 83 Resp: 181782

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6

131 10.2 7.8 11.6



#59

Bromoform

Concen: 56.208 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

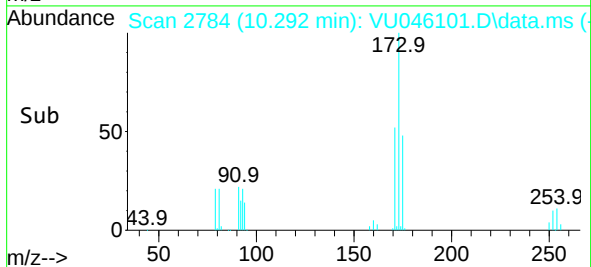
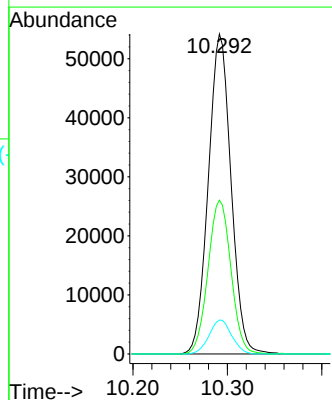
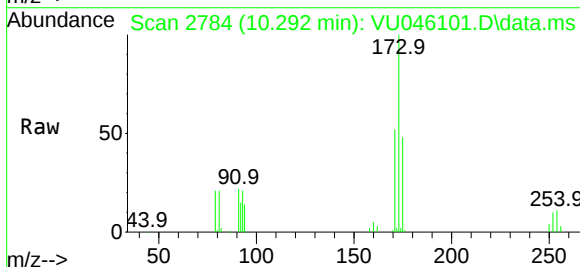
Tgt Ion:173 Resp: 90302

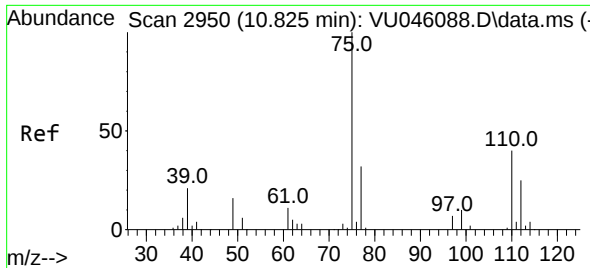
Ion Ratio Lower Upper

173 100

175 48.5 39.2 58.8

254 10.6 7.4 11.2

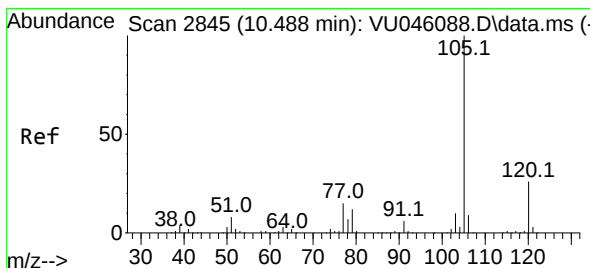
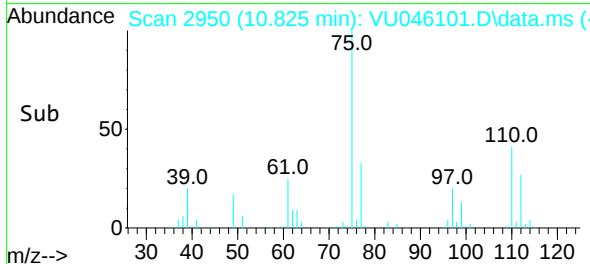
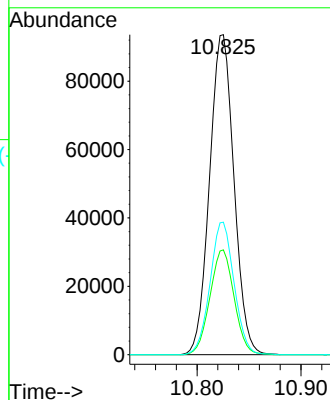
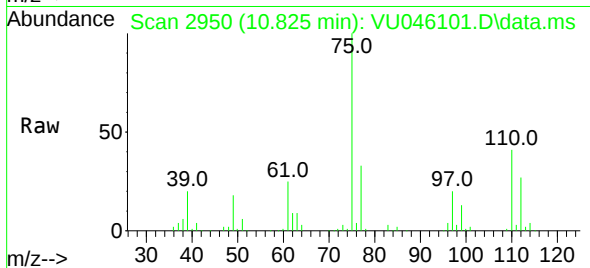




#60
1,2,3-Trichloropropane
Concen: 50.895 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

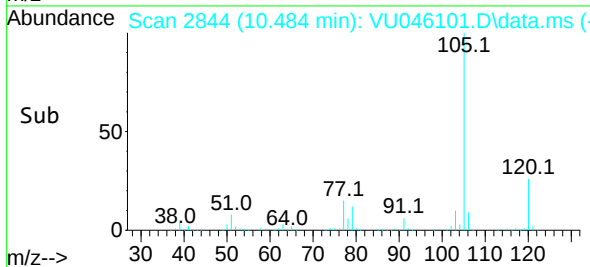
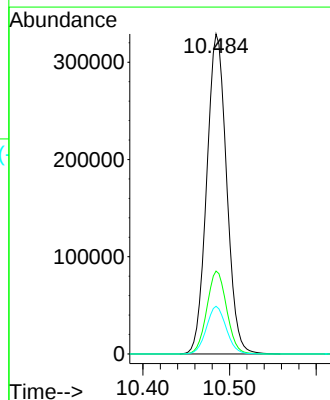
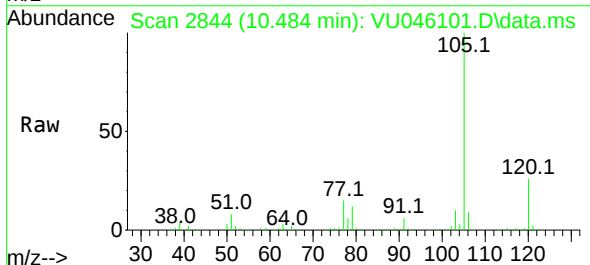
Instrument :
MSVOA_U
ClientSampleId :

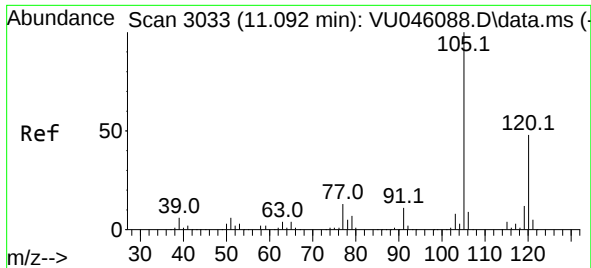
Tgt Ion: 75 Resp: 152789
Ion Ratio Lower Upper
75 100
77 32.5 26.4 39.6
110 40.8 32.4 48.6



#61
Isopropylbenzene
Concen: 58.843 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Tgt Ion: 105 Resp: 524314
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 14.8 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 60.286 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

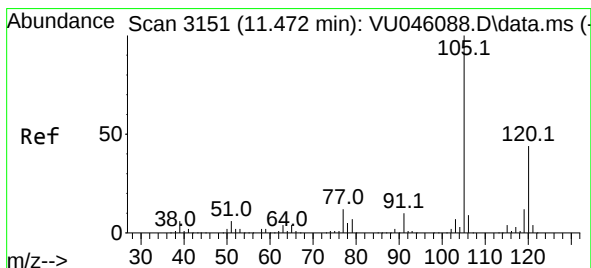
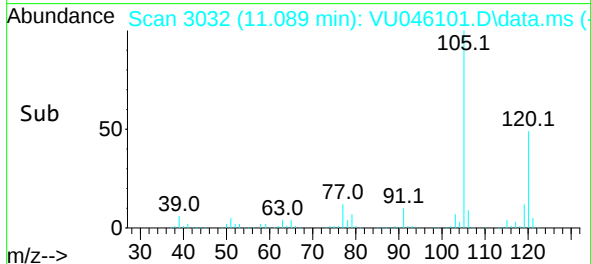
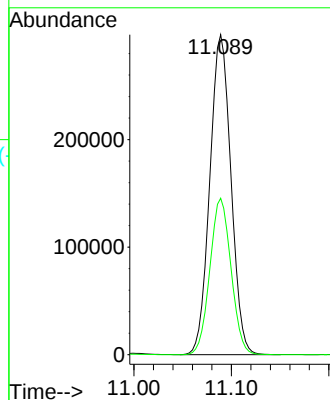
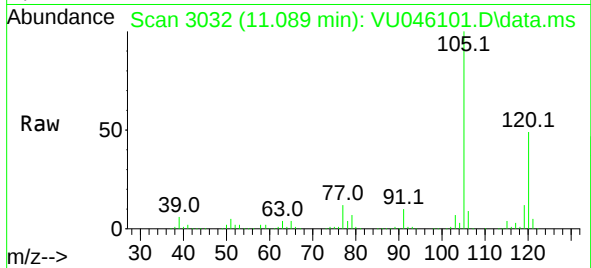
ClientSampleId :

Tgt Ion:105 Resp: 447744

Ion Ratio Lower Upper

105 100

120 49.0 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 61.233 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046101.D

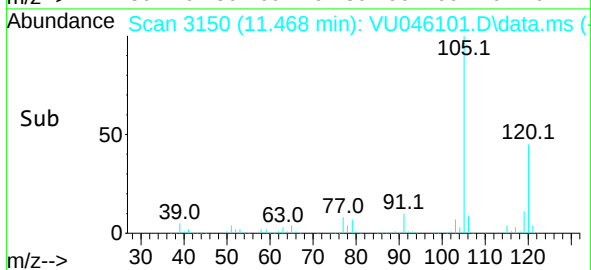
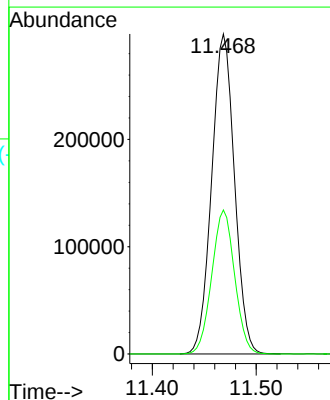
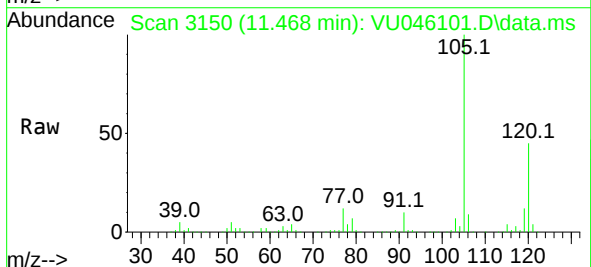
Acq: 04 Dec 2021 19:35

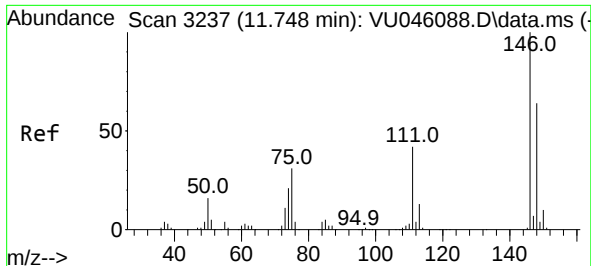
Tgt Ion:105 Resp: 454995

Ion Ratio Lower Upper

105 100

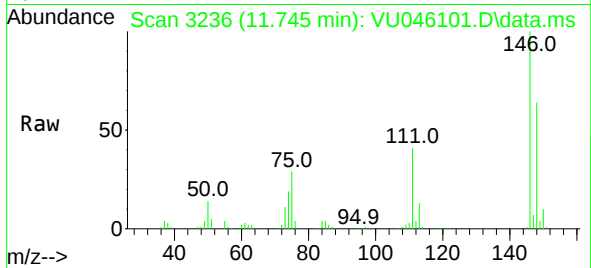
120 45.0 35.2 52.8



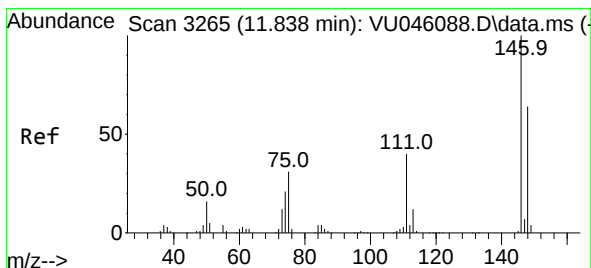
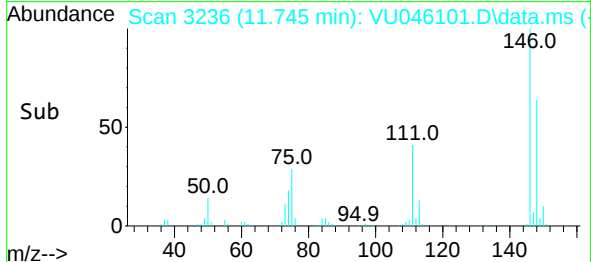
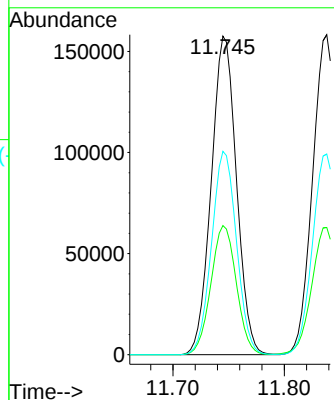


#64
 1,3-Dichlorobenzene
 Concen: 58.604 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU046101.D
 Acq: 04 Dec 2021 19:35

Instrument :
 MSVOA_U
 ClientSampleId :

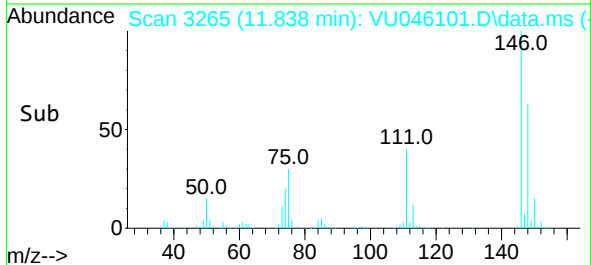
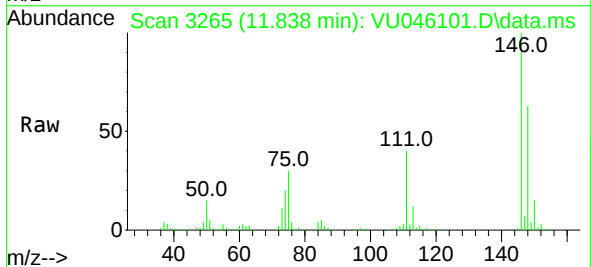
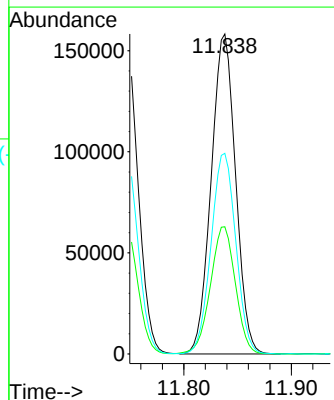


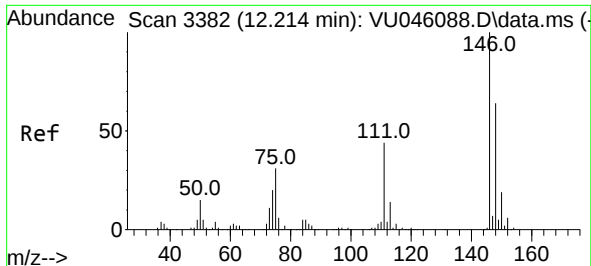
Tgt Ion:146 Resp: 248046
 Ion Ratio Lower Upper
 146 100
 111 40.5 29.5 54.9
 148 63.8 45.9 85.3



#65
 1,4-Dichlorobenzene
 Concen: 57.094 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. 0.000 min
 Lab File: VU046101.D
 Acq: 04 Dec 2021 19:35

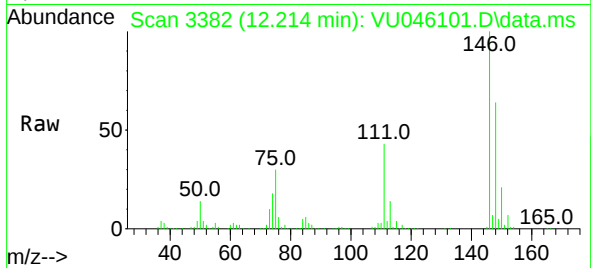
Tgt Ion:146 Resp: 249748
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.3 52.7
 148 62.7 43.8 81.3



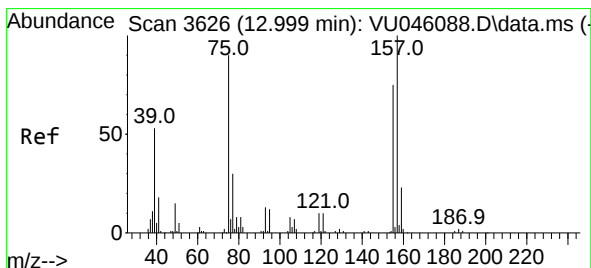
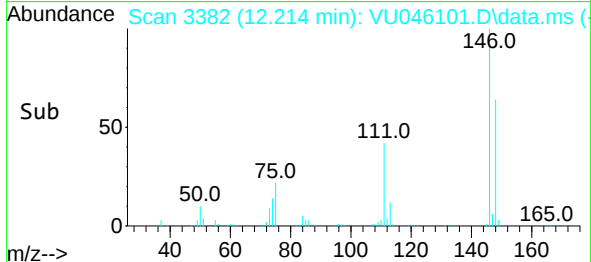
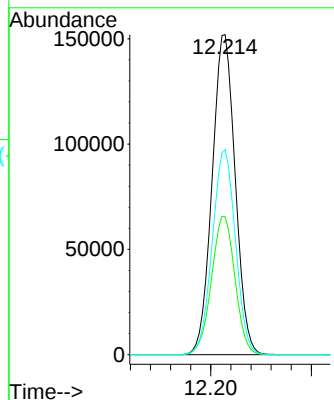


#67
1,2-Dichlorobenzene
Concen: 56.916 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Instrument :
MSVOA_U
ClientSampleId :

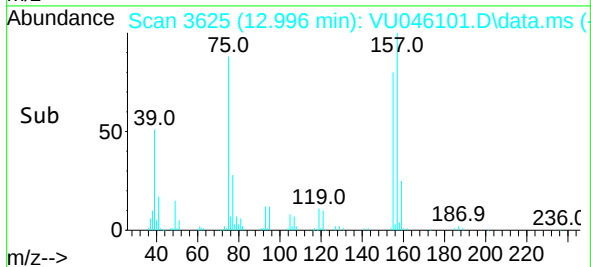
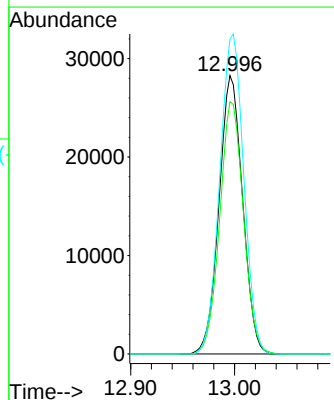
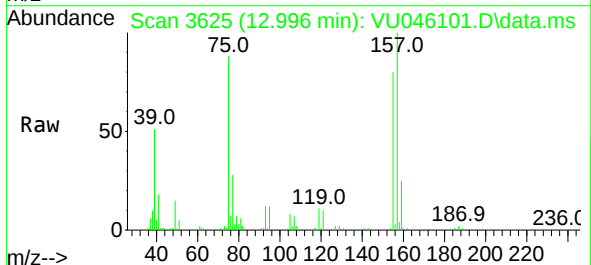


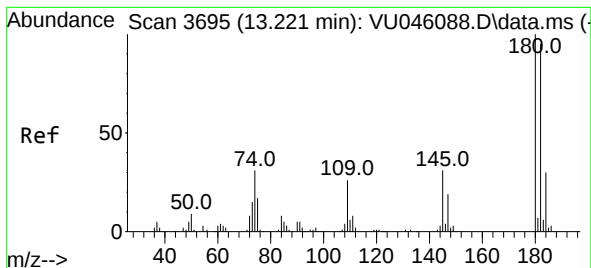
Tgt Ion:146 Resp: 242597
Ion Ratio Lower Upper
146 100
111 43.1 35.7 53.5
148 64.1 51.2 76.8



#68
1,2-Dibromo-3-chloropropane
Concen: 55.639 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU046101.D
Acq: 04 Dec 2021 19:35

Tgt Ion: 75 Resp: 44497
Ion Ratio Lower Upper
75 100
155 90.6 64.9 97.3
157 113.1 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 58.045 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.000 min

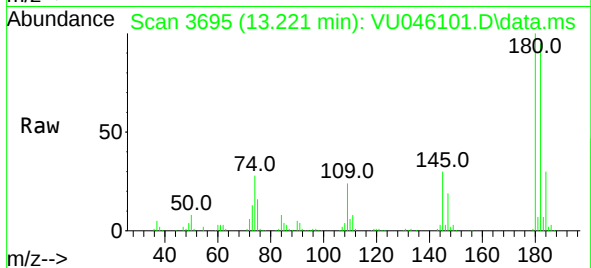
Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 179011

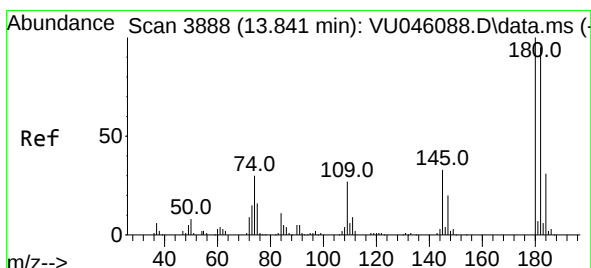
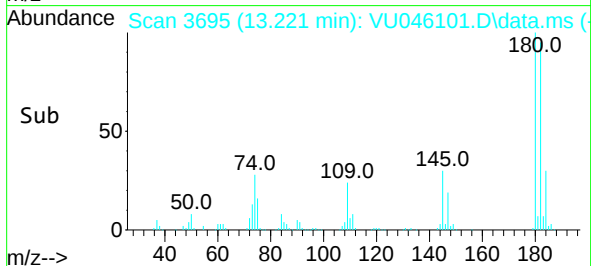
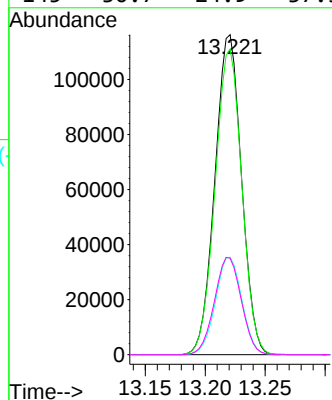
Ion Ratio Lower Upper

180 100

182 95.9 75.9 113.9

184 30.3 24.2 36.4

145 30.7 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 61.921 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.003 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

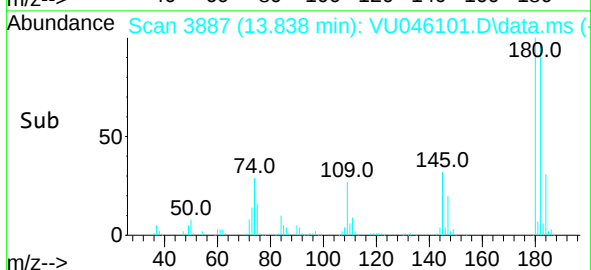
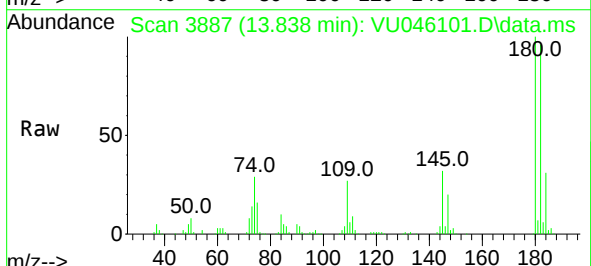
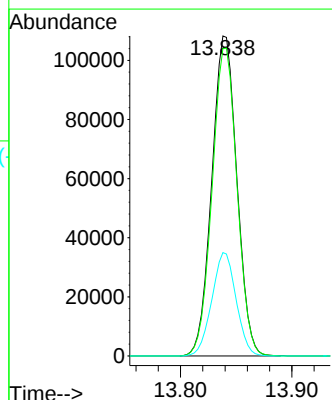
Tgt Ion:180 Resp: 169462

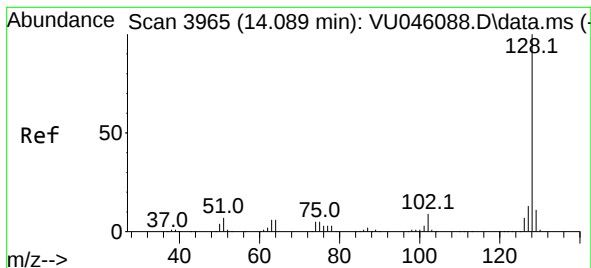
Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

145 31.2 26.0 39.0





#71

Naphthalene

Concen: 66.505 ug/L

RT: 14.086 min Scan# 3965

Delta R.T. -0.003 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :

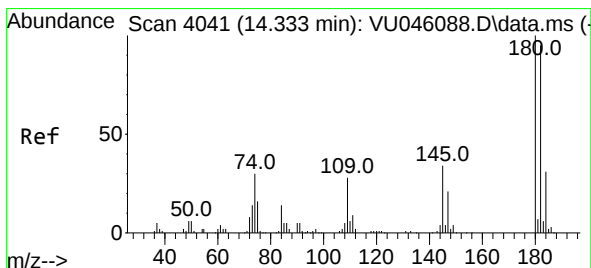
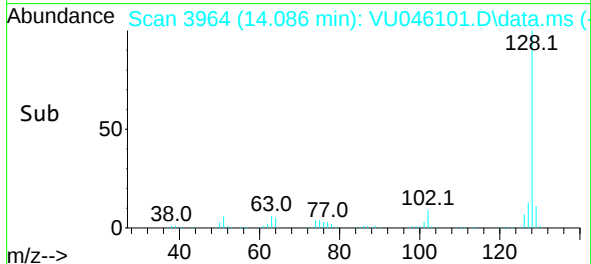
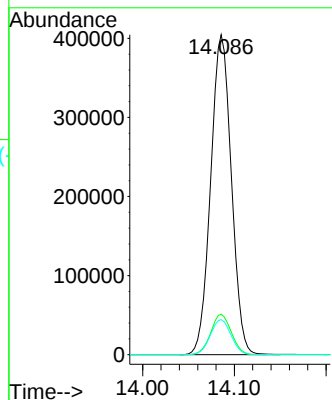
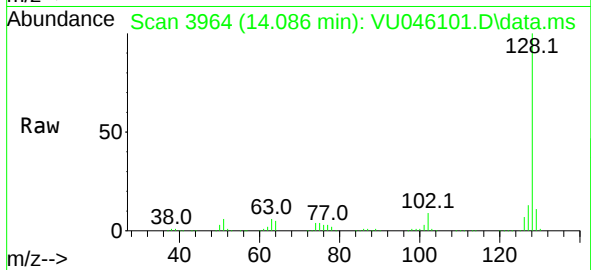
Tgt Ion:128 Resp: 633354

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 60.762 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU046101.D

Acq: 04 Dec 2021 19:35

Tgt Ion:180 Resp: 169572

Ion Ratio Lower Upper

180 100

182 95.1 76.0 114.0

145 33.5 27.3 40.9

