

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046088.D
 Acq On : 04 Dec 2021 13:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 05 08:15:09 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	219553	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	216067	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	114411	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	77105	42.633	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.260%
7) Chloroethane-d5	1.919	69	54111	38.968	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.940%
11) 1,1-Dichloroethene-d2	2.575	63	142917	44.019	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.040%
21) 2-Butanone-d5	4.639	46	106221	73.881	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.880%
24) Chloroform-d	5.070	84	129979	43.036	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.080%
26) 1,2-Dichloroethane-d4	5.707	65	82255	40.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.160%
32) Benzene-d6	5.732	84	268757	43.398	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.694	67	82116	42.785	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.560%
41) Toluene-d8	7.903	98	249811	44.304	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	8.182	79	40839	44.079	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.160%
47) 2-Hexanone-d5	8.636	63	74957	82.370	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.370%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	117680	40.431	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	93674	42.514	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	124670	52.192	ug/L	100
3) Chloromethane	1.520	50	102261	47.863	ug/L	99
5) Vinyl chloride	1.607	62	115605	53.663	ug/L	99
6) Bromomethane	1.861	94	56732	46.463	ug/L	97
8) Chloroethane	1.938	64	64794	51.947	ug/L	100
9) Trichlorofluoromethane	2.144	101	147027	52.276	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	88863	55.624	ug/L	97
12) 1,1-Dichloroethene	2.584	96	82972	54.656	ug/L	88
13) Acetone	2.655	43	152516	84.880	ug/L	97
14) Carbon disulfide	2.800	76	250457	53.177	ug/L	100
15) Methyl Acetate	2.957	43	102454	48.912	ug/L	98
16) Methylene chloride	3.051	84	95632	52.948	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	90056	56.056	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	284918	57.547	ug/L	99
19) 1,1-Dichloroethane	3.877	63	163134	55.848	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	99384	57.013	ug/L	100
22) 2-Butanone	4.716	43	180666	92.363	ug/L	98
23) Bromochloromethane	4.980	128	50226	57.049	ug/L	96
25) Chloroform	5.092	83	174477	53.760	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046088.D
 Acq On : 04 Dec 2021 13:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

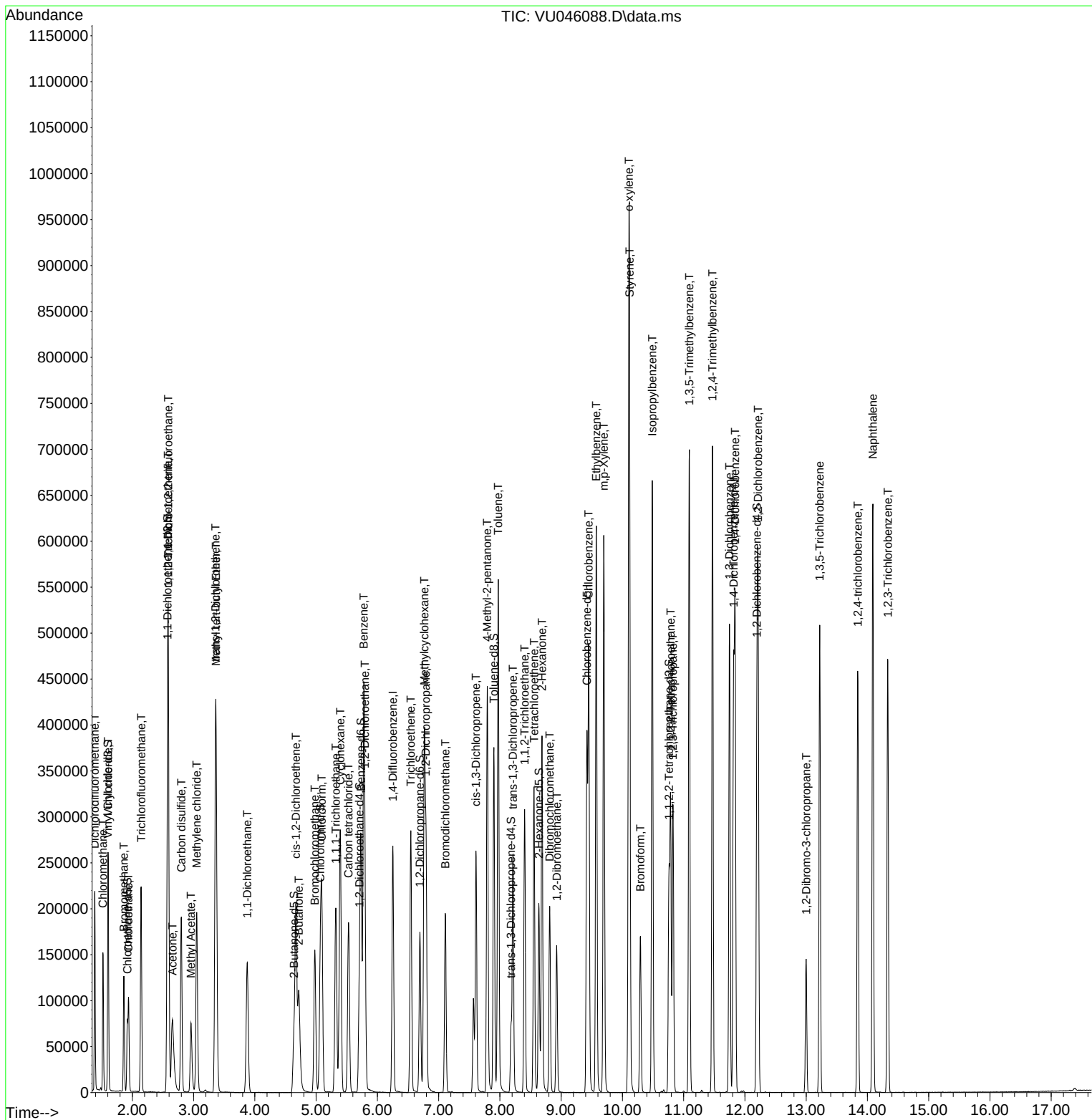
Instrument :
 MSVOA_U
 ClientSampleId :

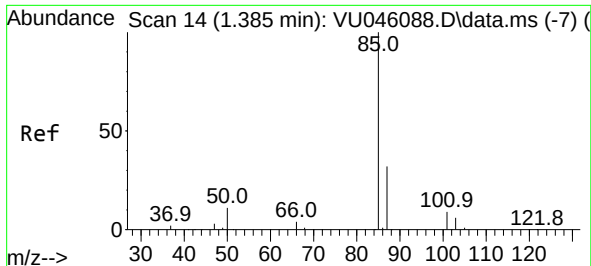
Quant Time: Dec 05 08:15:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	131154	54.458	ug/L	100
29) Cyclohexane	5.395	56	150453	59.800	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	151048	56.951	ug/L	99
31) Carbon tetrachloride	5.530	117	128840	57.221	ug/L	98
33) Benzene	5.777	78	374080	57.203	ug/L	100
34) Trichloroethene	6.546	95	98332	57.077	ug/L	98
35) Methylcyclohexane	6.768	83	160142	59.950	ug/L	99
37) 1,2-Dichloropropane	6.793	63	96973	56.608	ug/L	100
38) Bromodichloromethane	7.108	83	127256	55.889	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	157080	60.274	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	278533	110.664	ug/L	99
42) Toluene	7.973	91	408253	58.180	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	148304	57.940	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	95063	55.312	ug/L	98
46) Tetrachloroethene	8.558	164	74836	59.110	ug/L	97
48) 2-Hexanone	8.687	43	231232	102.727	ug/L	99
49) Dibromochloromethane	8.812	129	105599	58.511	ug/L	99
50) 1,2-Dibromoethane	8.928	107	105846	56.805	ug/L	98
51) Chlorobenzene	9.449	112	260451	57.372	ug/L	99
52) Ethylbenzene	9.575	91	450099	59.601	ug/L	99
53) m,p-Xylene	9.697	106	175133	59.465	ug/L	99
54) o-xylene	10.105	106	170845	59.783	ug/L	98
55) Styrene	10.118	104	292966	60.046	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.787	83	157751	53.538	ug/L	100
59) Bromoform	10.295	173	76274	56.829	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	133149	53.090	ug/L	99
61) Isopropylbenzene	10.488	105	453568	60.930	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	385921	62.198	ug/L	98
63) 1,2,4-Trimethylbenzene	11.472	105	388701	62.616	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	205792	58.199	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	206542	56.518	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	203250	57.079	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	37047	55.449	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	153437	59.553	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	138258	60.471	ug/L	99
71) Naphthalene	14.089	128	502253	63.128	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	141104	60.521	ug/L	100

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

Quant Time: Dec 05 08:15:09 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

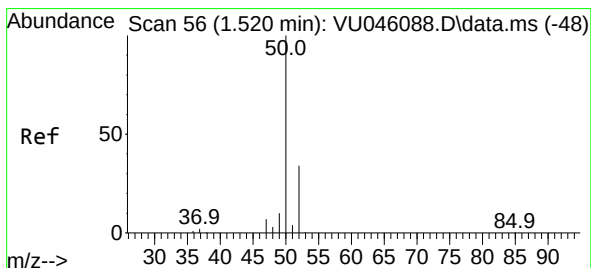
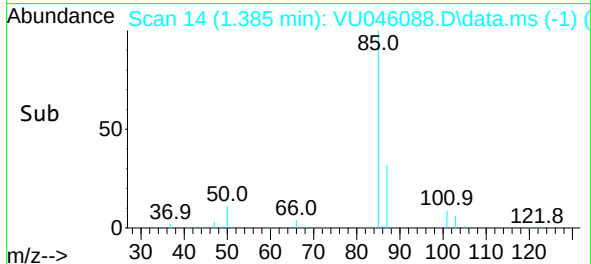
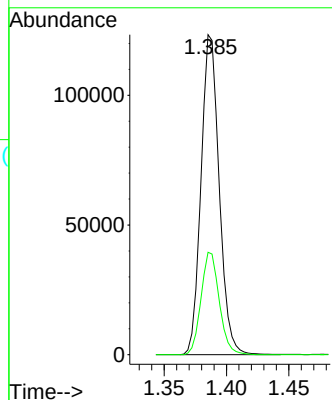
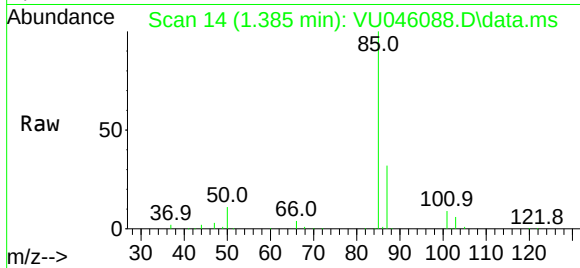




#2
Dichlorodifluoromethane
Concen: 52.192 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

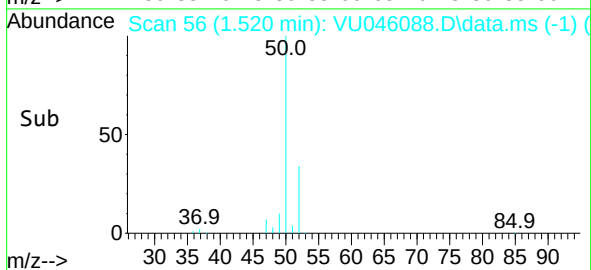
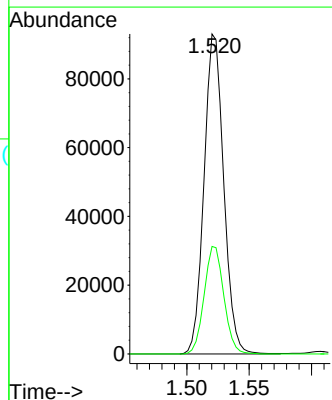
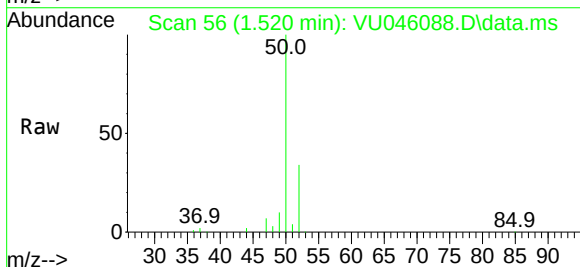
Instrument :
MSVOA_U
ClientSampleId :

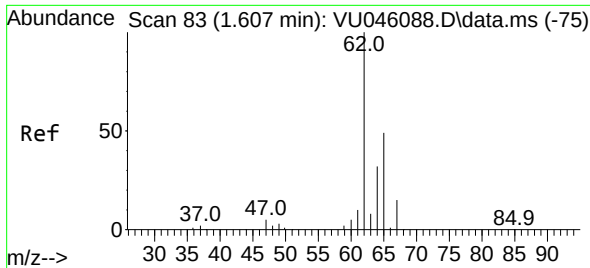
Tgt Ion: 85 Resp: 124670
Ion Ratio Lower Upper
85 100
87 32.1 25.7 38.5



#3
Chloromethane
Concen: 47.863 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

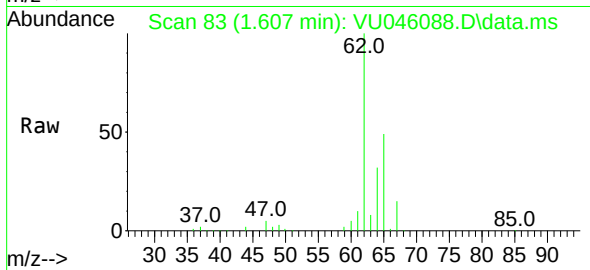
Tgt Ion: 50 Resp: 102261
Ion Ratio Lower Upper
50 100
52 33.6 23.2 43.2



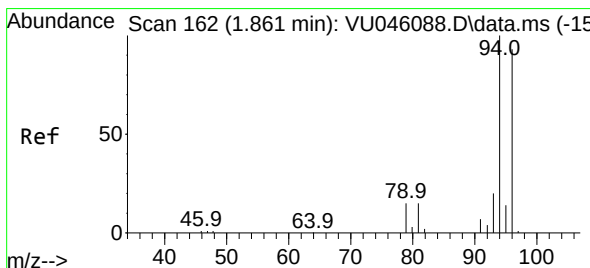
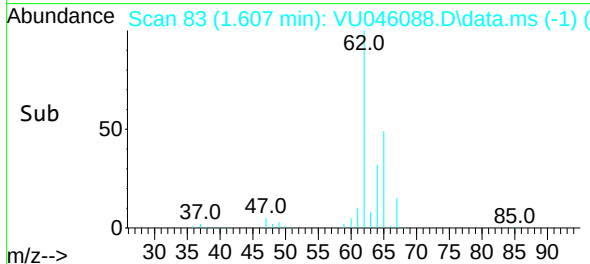
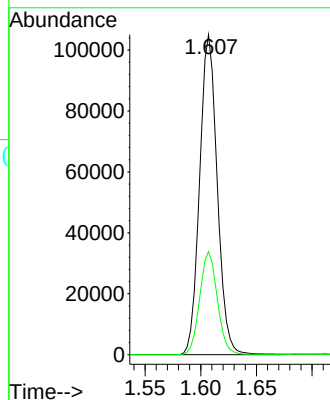


#5
 Vinyl chloride
 Concen: 53.663 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU046088.D
 Acq: 04 Dec 2021 13:10

Instrument :
 MSVOA_U
 ClientSampleId :

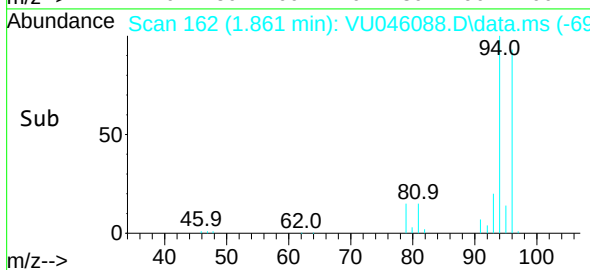
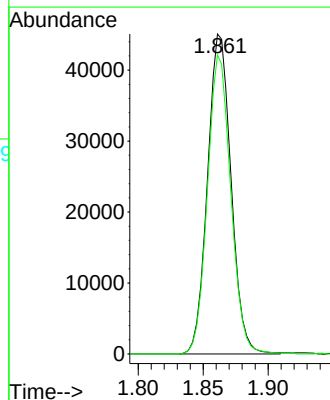
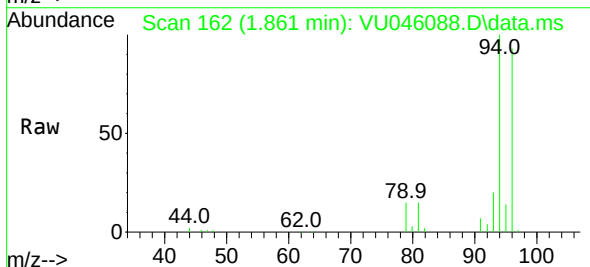


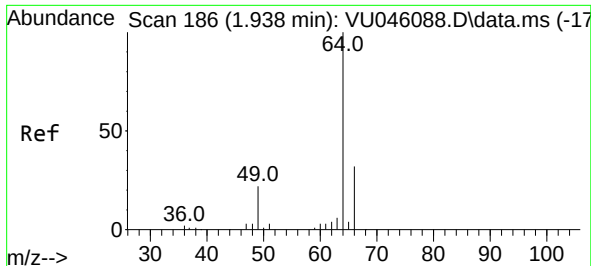
Tgt Ion: 62 Resp: 115605
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.9 42.5



#6
 Bromomethane
 Concen: 46.463 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU046088.D
 Acq: 04 Dec 2021 13:10

Tgt Ion: 94 Resp: 56732
 Ion Ratio Lower Upper
 94 100
 96 93.5 67.4 125.2

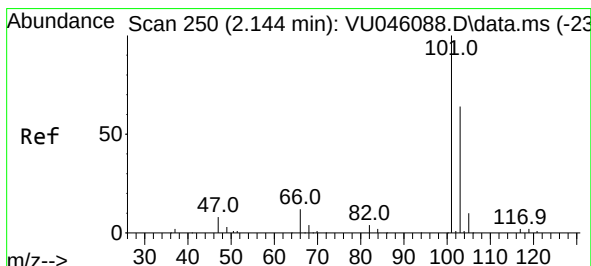
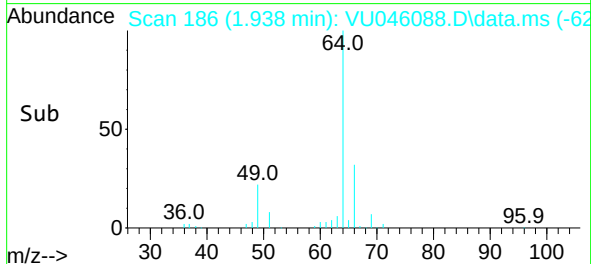
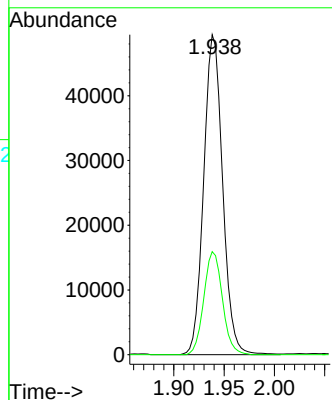
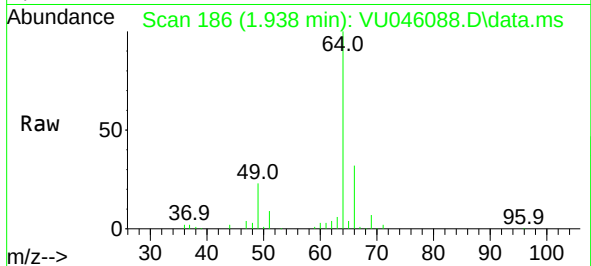




#8
Chloroethane
Concen: 51.947 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

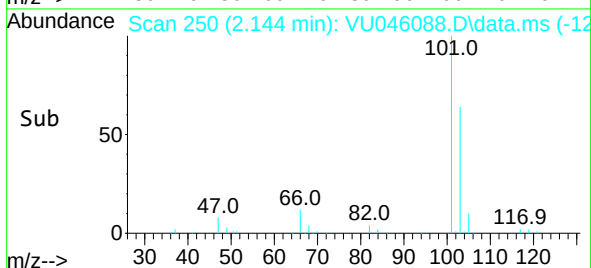
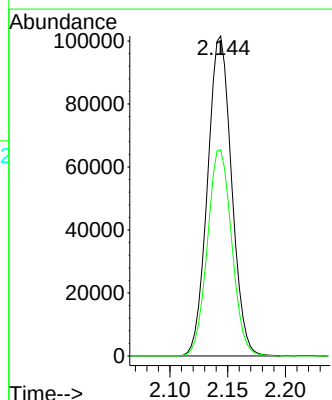
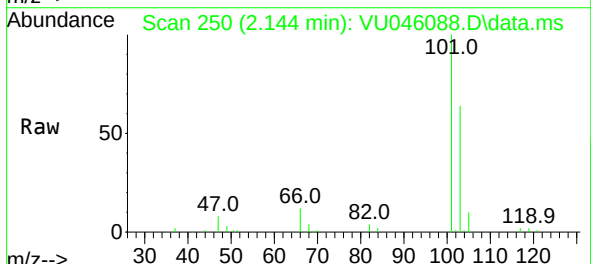
Instrument :
MSVOA_U
ClientSampleId :

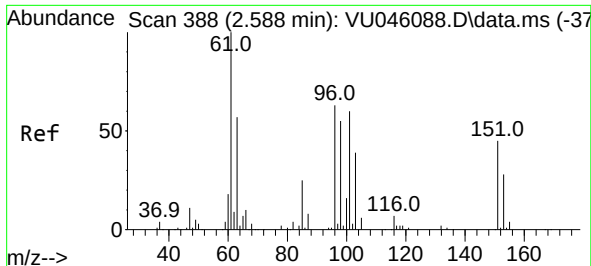
Tgt Ion: 64 Resp: 64794
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 52.276 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion:101 Resp: 147027
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.6





#10

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

Concen: 55.624 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

ClientSampleId :

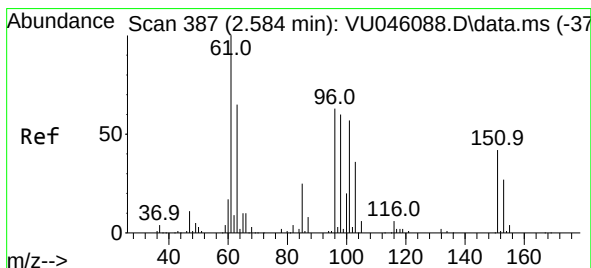
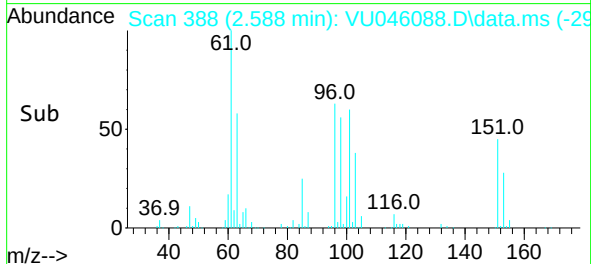
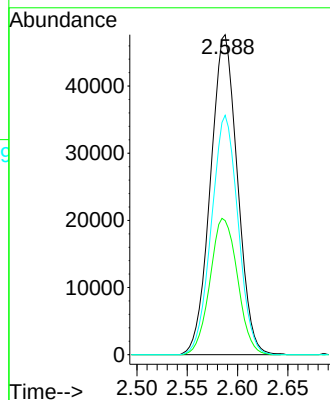
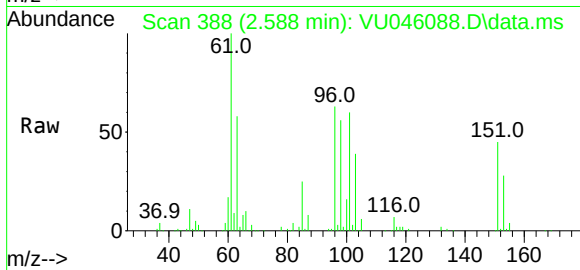
Tgt Ion:101 Resp: 88863

Ion Ratio Lower Upper

101 100

85 43.5 35.1 52.7

151 74.0 56.7 85.1



#12

1,1-Dichloroethene

Concen: 54.656 ug/L

RT: 2.584 min Scan# 387

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

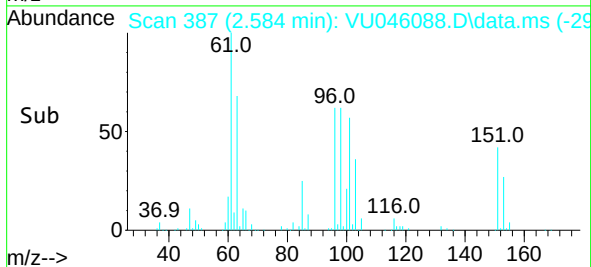
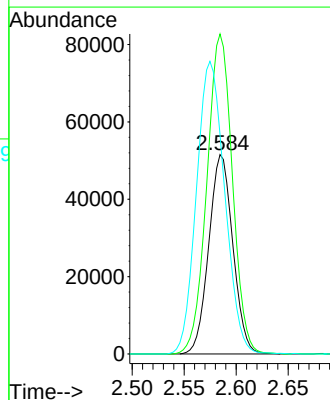
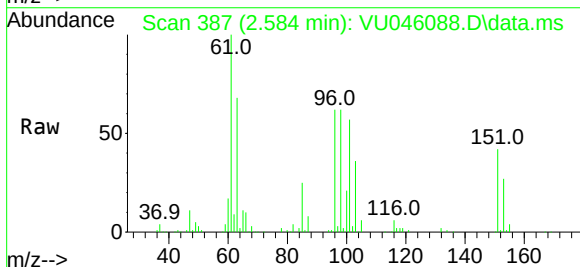
Tgt Ion: 96 Resp: 82972

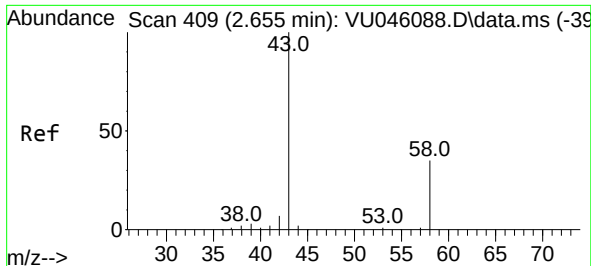
Ion Ratio Lower Upper

96 100

61 160.5 118.6 220.2

63 109.9 93.0 172.8





#13

Acetone

Concen: 84.880 ug/L

RT: 2.655 min Scan# 409

Delta R.T. -0.006 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

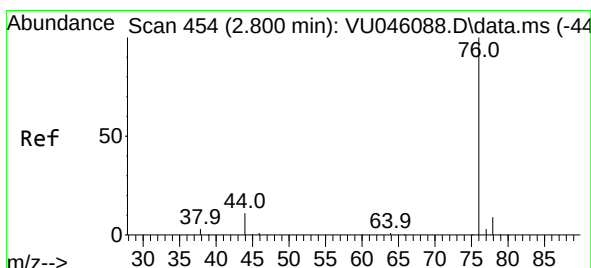
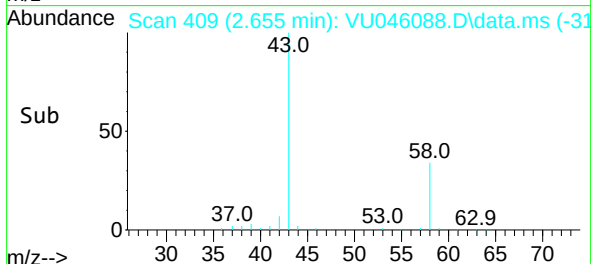
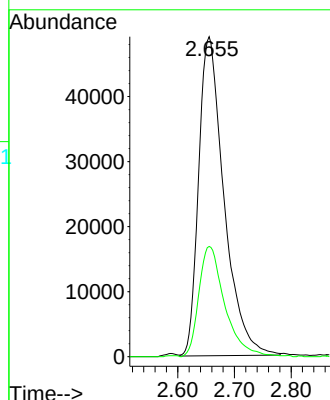
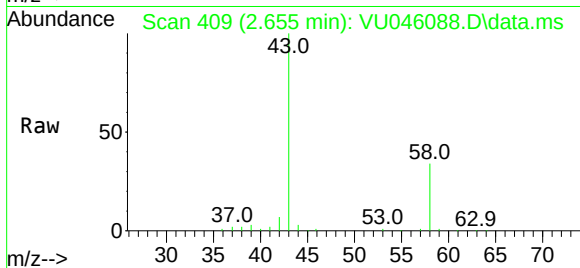
ClientSampleId :

Tgt Ion: 43 Resp: 152516

Ion Ratio Lower Upper

43 100

58 35.1 0.0 66.8



#14

Carbon disulfide

Concen: 53.177 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046088.D

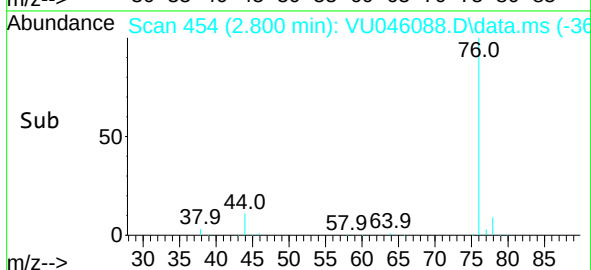
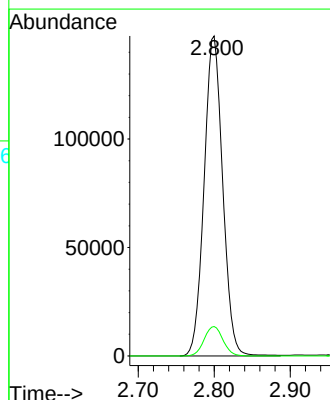
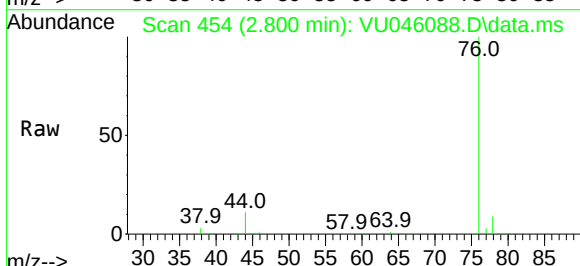
Acq: 04 Dec 2021 13:10

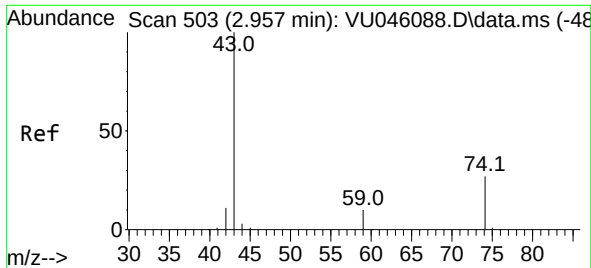
Tgt Ion: 76 Resp: 250457

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

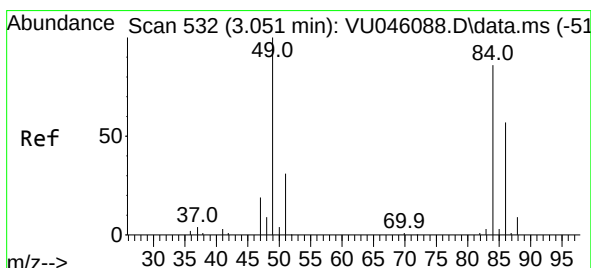
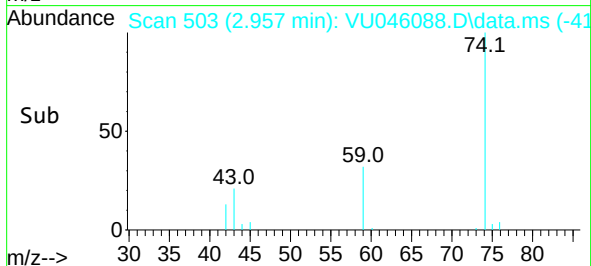
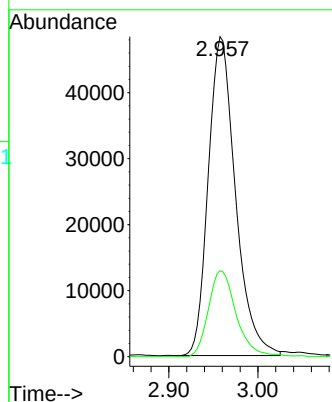
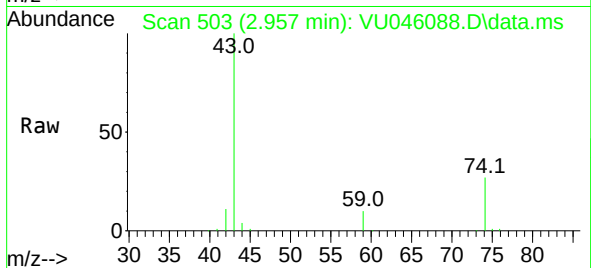




#15
Methyl Acetate
Concen: 48.912 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

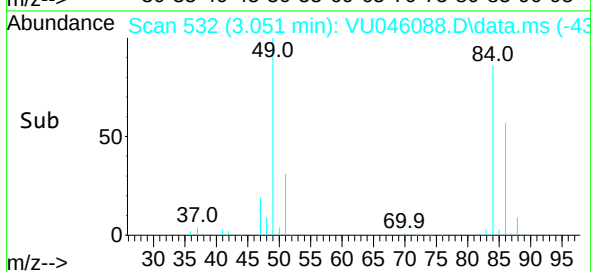
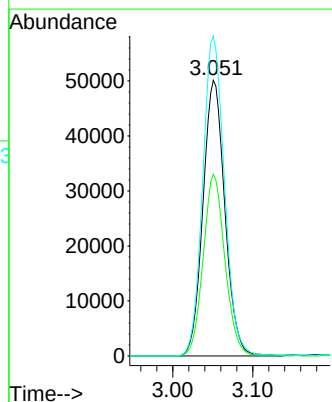
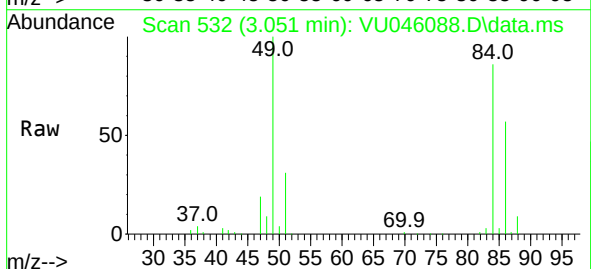
Instrument :
MSVOA_U
ClientSampleId :

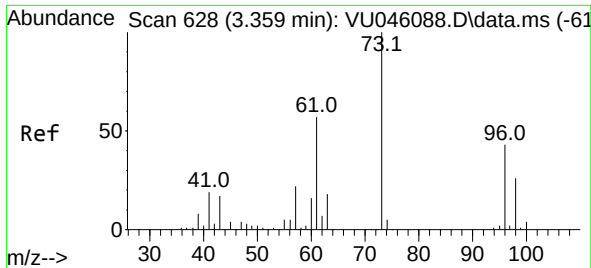
Tgt Ion: 43 Resp: 102454
Ion Ratio Lower Upper
43 100
74 27.2 20.8 31.2



#16
Methylene chloride
Concen: 52.948 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion: 84 Resp: 95632
Ion Ratio Lower Upper
84 100
86 65.9 44.7 83.1
49 116.1 78.4 145.6



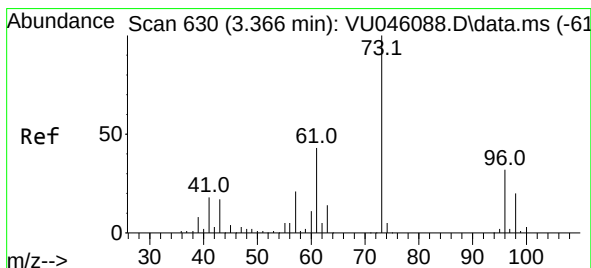
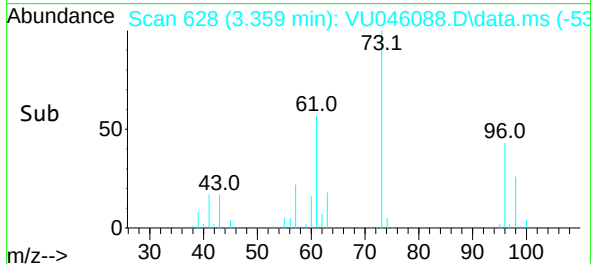
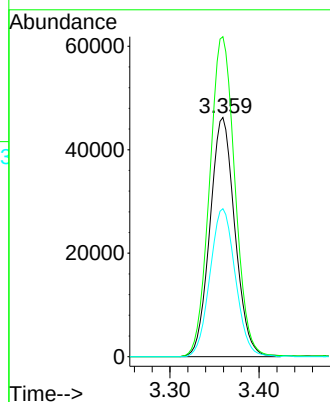
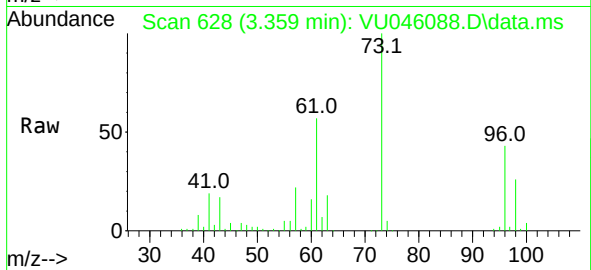


#17
 trans-1,2-Dichloroethene
 Concen: 56.056 ug/L
 RT: 3.359 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU046088.D
 Acq: 04 Dec 2021 13:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 96 Resp: 90056

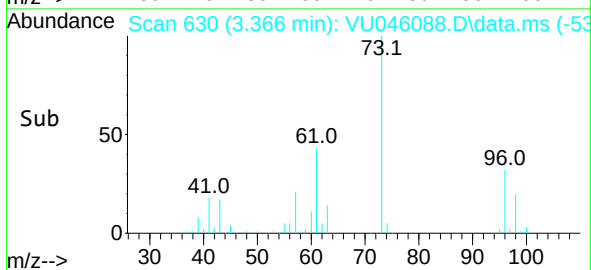
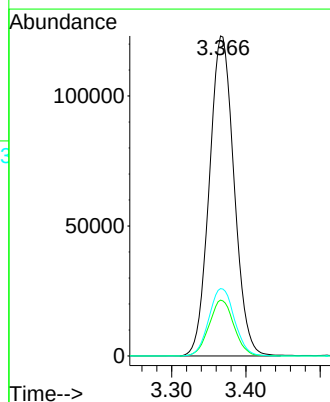
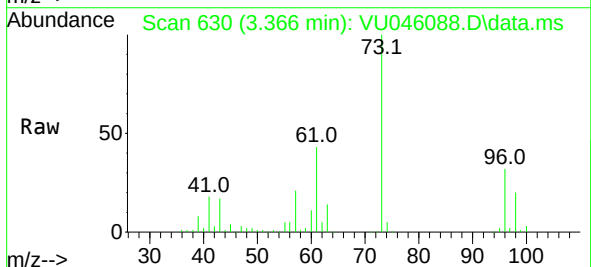
Ion	Ratio	Lower	Upper
96	100		
61	133.7	94.6	175.6
98	61.9	44.0	81.8

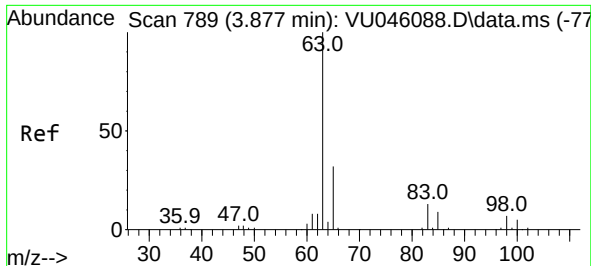


#18
 Methyl tert-butyl Ether
 Concen: 57.547 ug/L
 RT: 3.366 min Scan# 630
 Delta R.T. -0.003 min
 Lab File: VU046088.D
 Acq: 04 Dec 2021 13:10

Tgt Ion: 73 Resp: 284918

Ion	Ratio	Lower	Upper
73	100		
43	17.6	14.0	21.0
57	21.8	17.0	25.4





#19

1,1-Dichloroethane

Concen: 55.848 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

ClientSampleId :

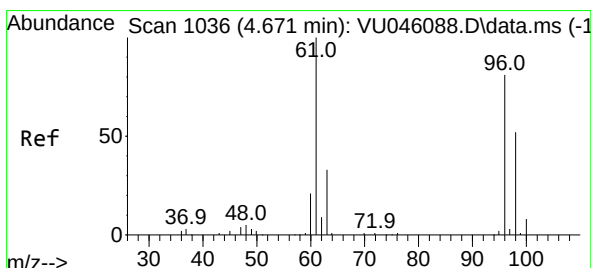
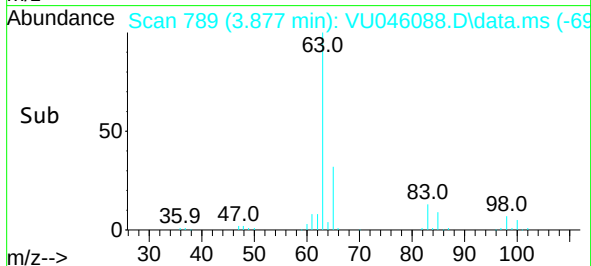
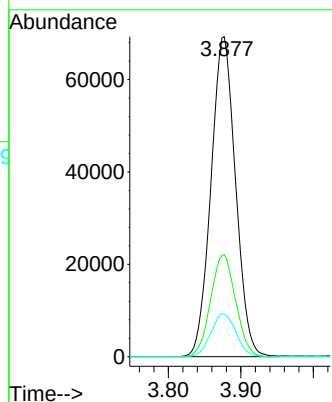
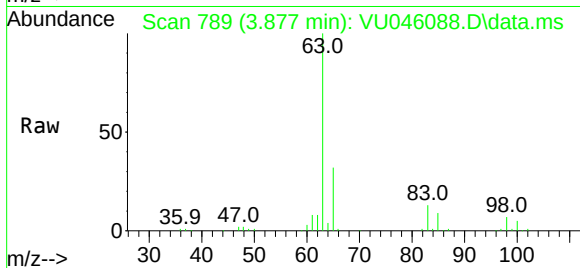
Tgt Ion: 63 Resp: 163134

Ion Ratio Lower Upper

63 100

65 31.9 22.8 42.4

83 13.3 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 57.013 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

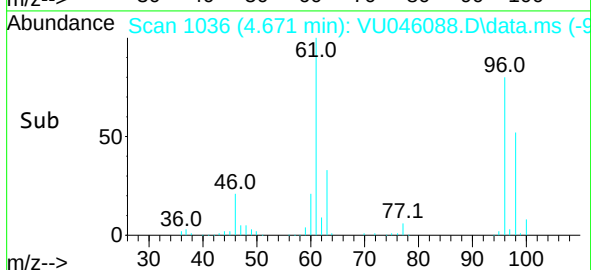
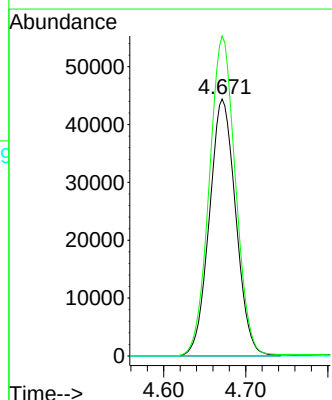
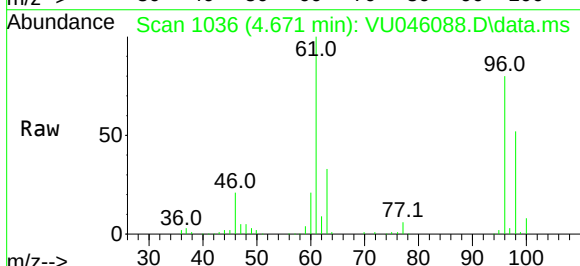
Tgt Ion: 96 Resp: 99384

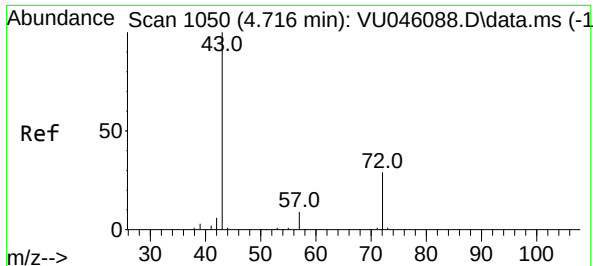
Ion Ratio Lower Upper

96 100

61 124.5 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 92.363 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. -0.006 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

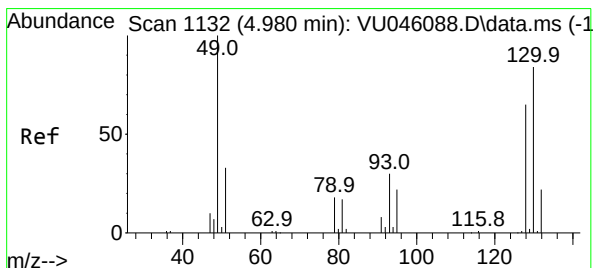
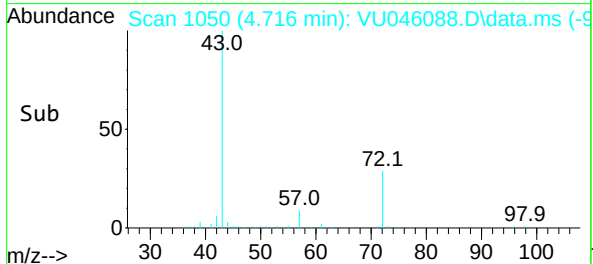
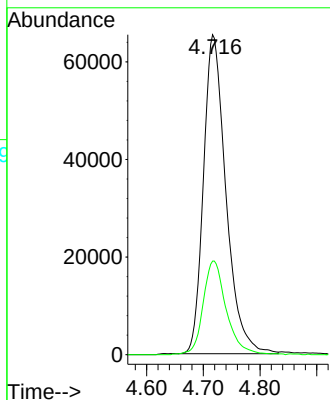
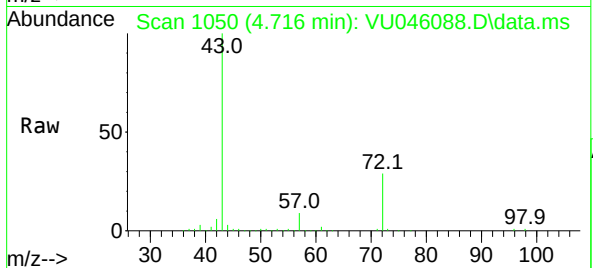
ClientSampleId :

Tgt Ion: 43 Resp: 180666

Ion Ratio Lower Upper

43 100

72 30.2 14.5 43.6



#23

Bromochloromethane

Concen: 57.049 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Tgt Ion:128 Resp: 50226

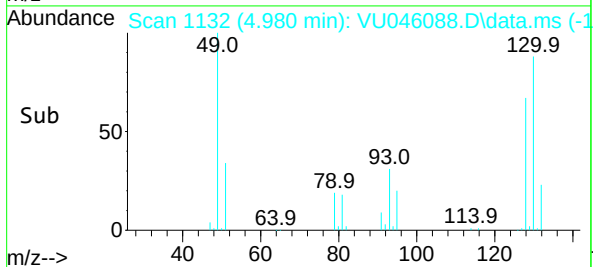
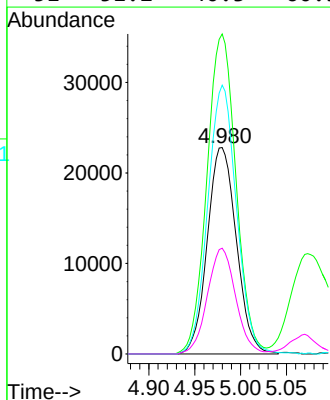
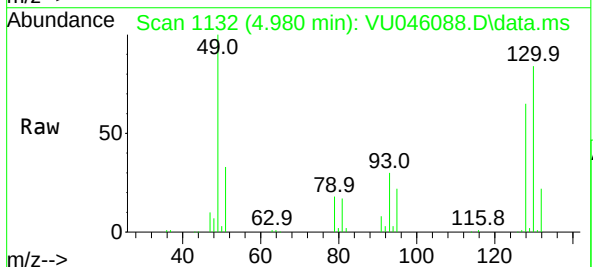
Ion Ratio Lower Upper

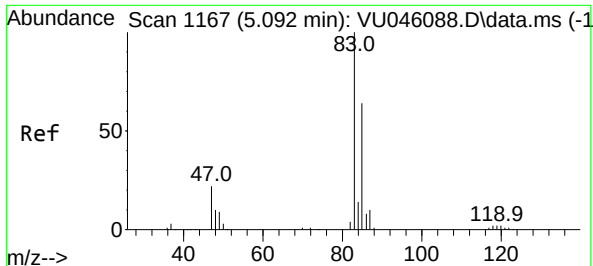
128 100

49 155.0 115.9 215.3

130 130.2 91.8 170.4

51 51.2 40.3 60.5





#25

Chloroform

Concen: 53.760 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

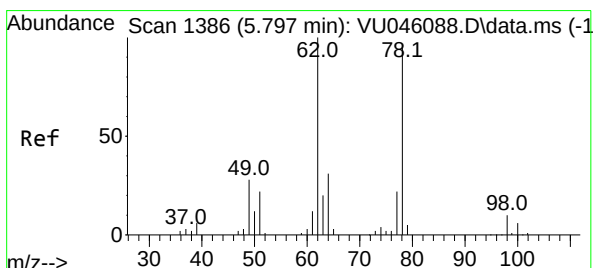
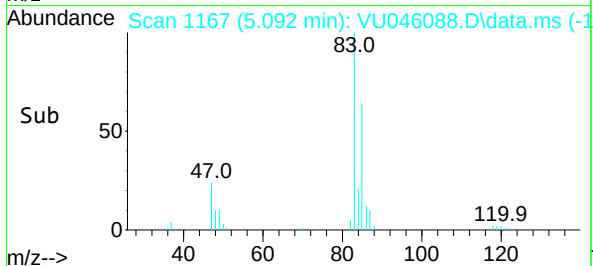
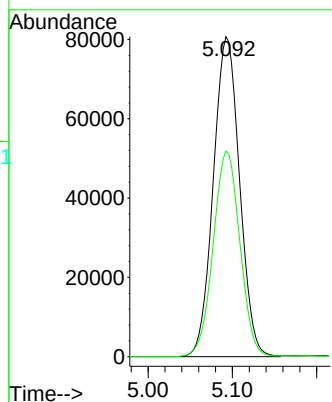
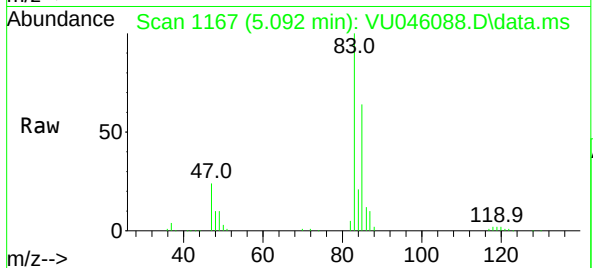
ClientSampleId :

Tgt Ion: 83 Resp: 174477

Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.2



#27

1,2-Dichloroethane

Concen: 54.458 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046088.D

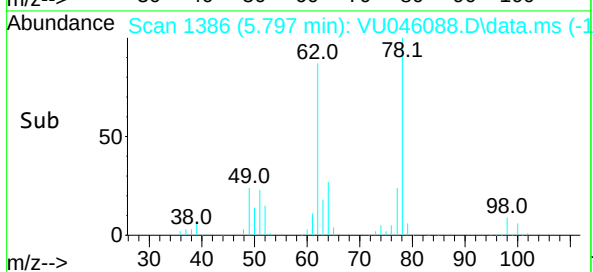
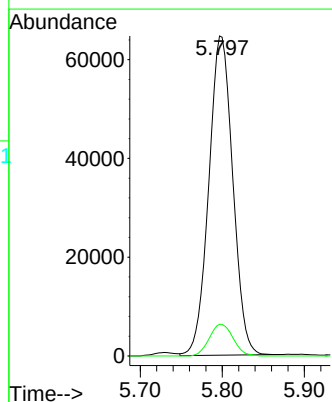
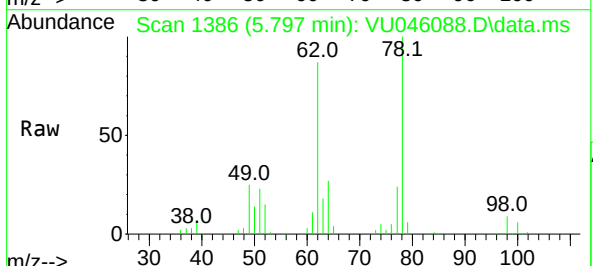
Acq: 04 Dec 2021 13:10

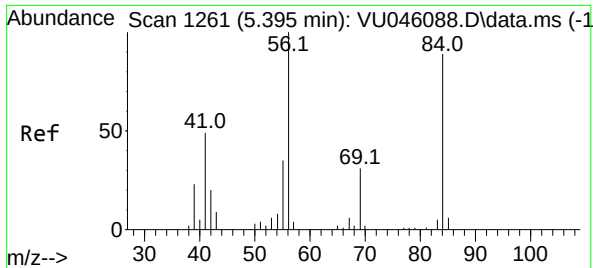
Tgt Ion: 62 Resp: 131154

Ion Ratio Lower Upper

62 100

98 9.9 7.9 11.9





#29

Cyclohexane

Concen: 59.800 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

ClientSampleId :

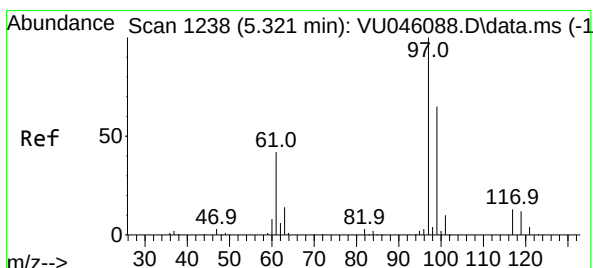
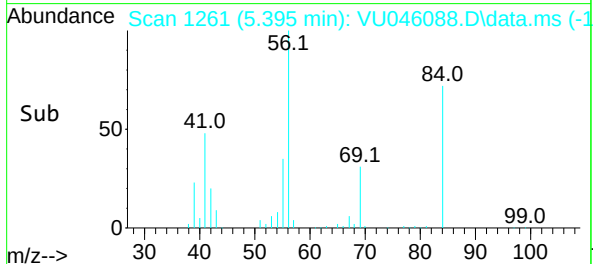
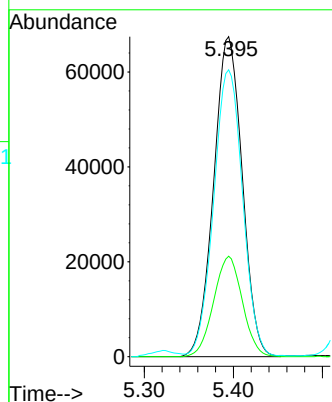
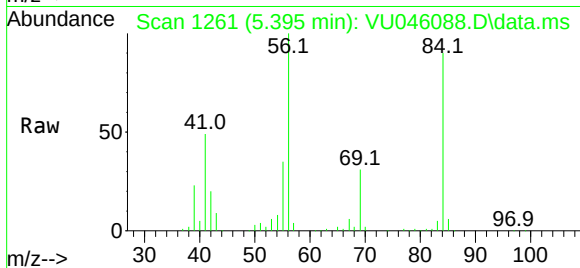
Tgt Ion: 56 Resp: 150453

Ion Ratio Lower Upper

56 100

69 31.5 25.2 37.8

84 90.4 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 56.951 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

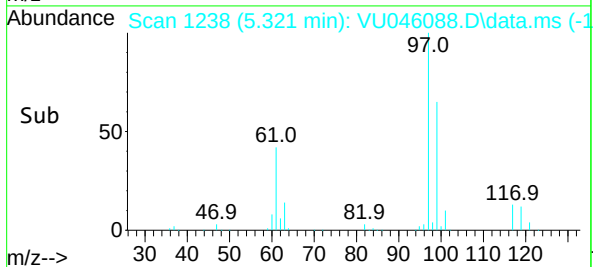
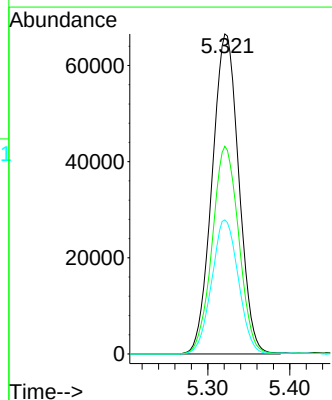
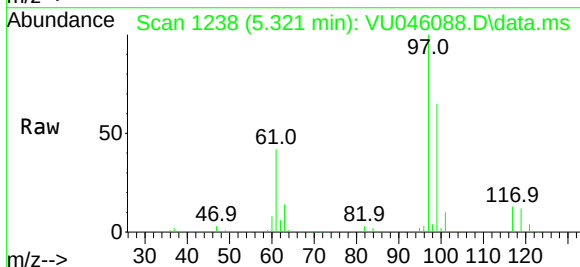
Tgt Ion: 97 Resp: 151048

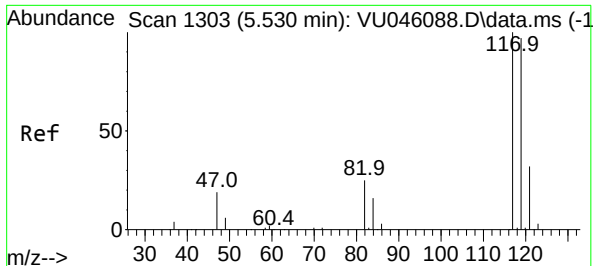
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 41.7 34.4 51.6

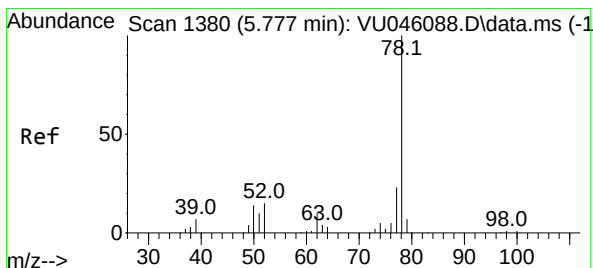
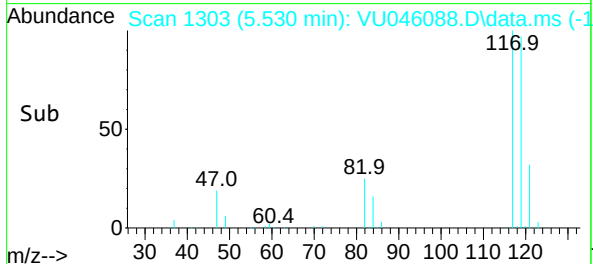
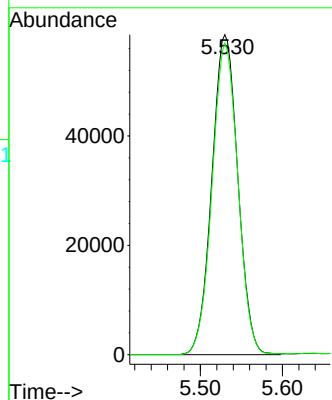
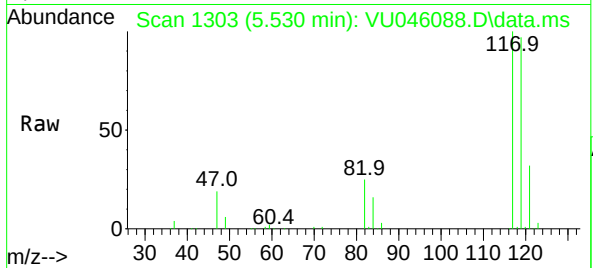




#31
Carbon tetrachloride
Concen: 57.221 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

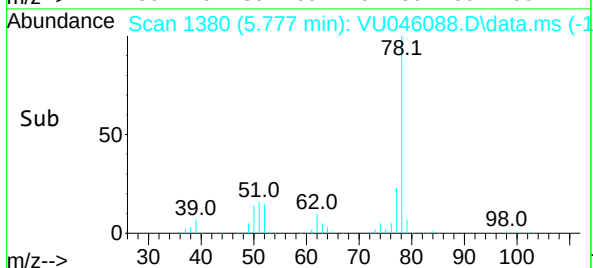
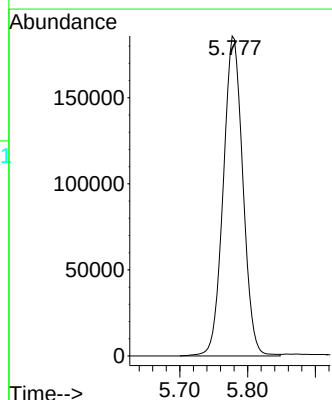
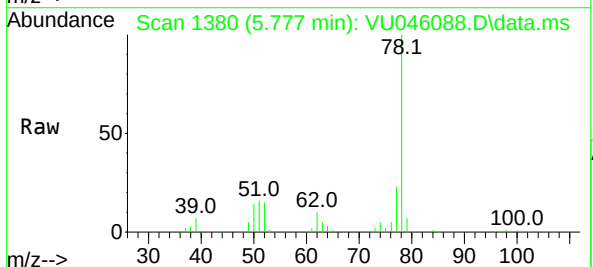
Instrument :
MSVOA_U
ClientSampleId :

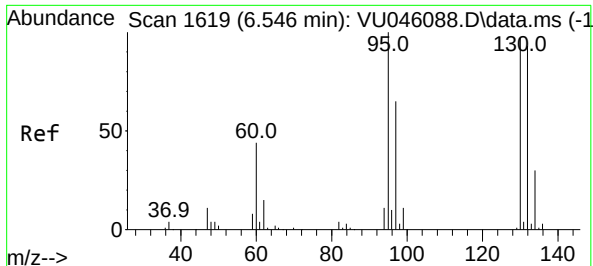
Tgt Ion:117 Resp: 128840
Ion Ratio Lower Upper
117 100
119 96.5 75.7 113.5



#33
Benzene
Concen: 57.203 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion: 78 Resp: 374080

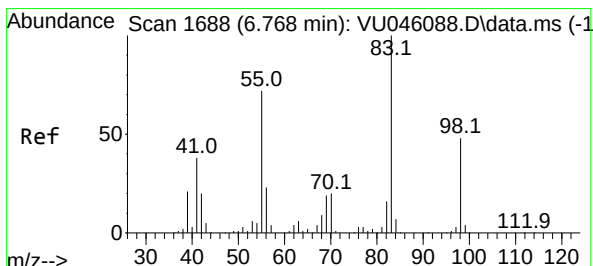
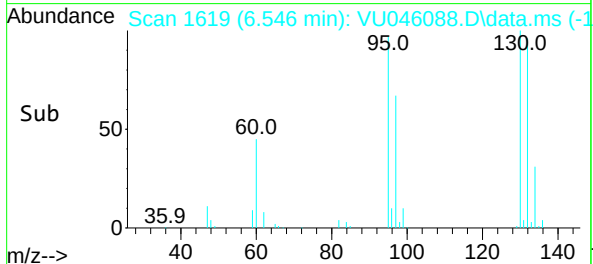
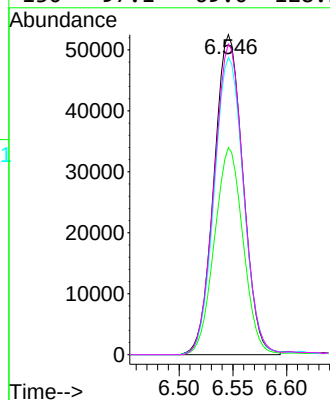
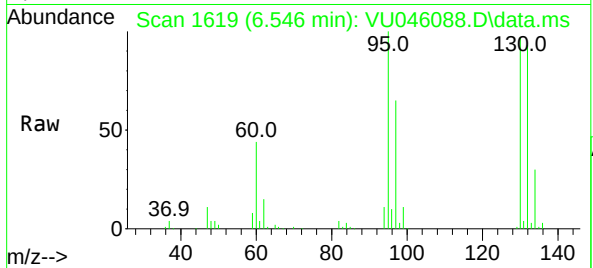




#34
Trichloroethene
Concen: 57.077 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

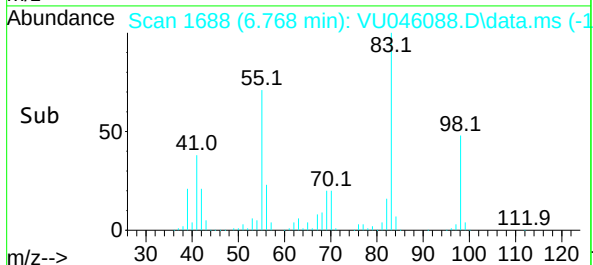
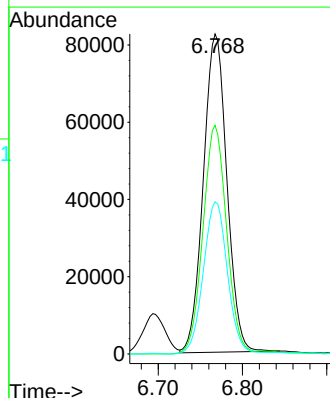
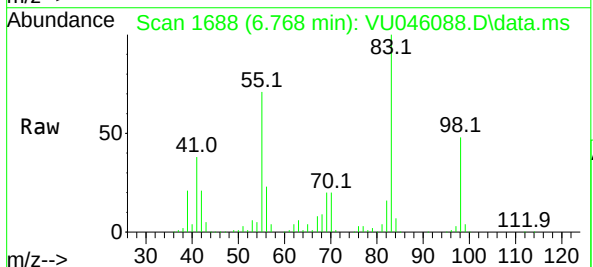
Instrument :
MSVOA_U
ClientSampleId :

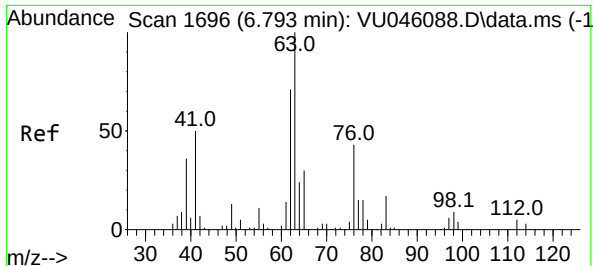
Tgt Ion: 95 Resp: 98332
Ion Ratio Lower Upper
95 100
97 64.7 44.1 81.9
132 92.9 66.8 124.0
130 97.1 69.0 128.1



#35
Methylcyclohexane
Concen: 59.950 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion: 83 Resp: 160142
Ion Ratio Lower Upper
83 100
55 72.2 57.8 86.6
98 49.1 38.4 57.6

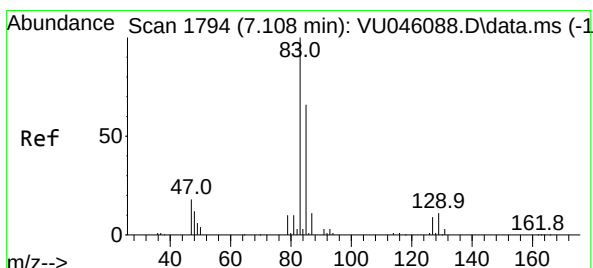
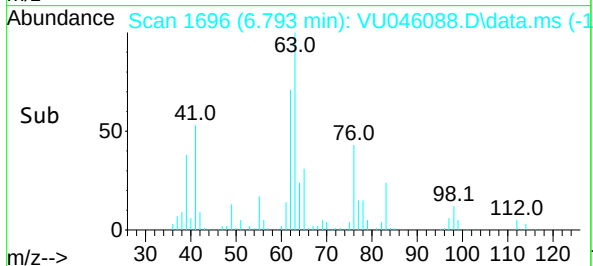
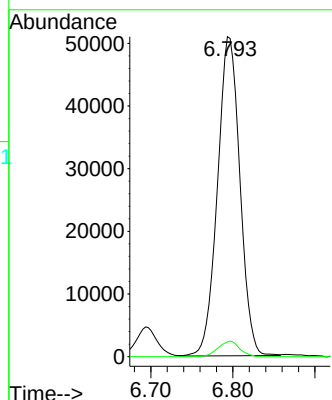
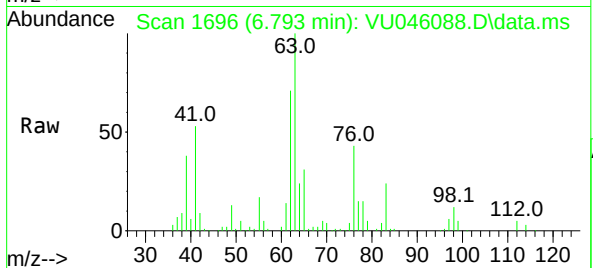




#37
1,2-Dichloropropane
Concen: 56.608 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

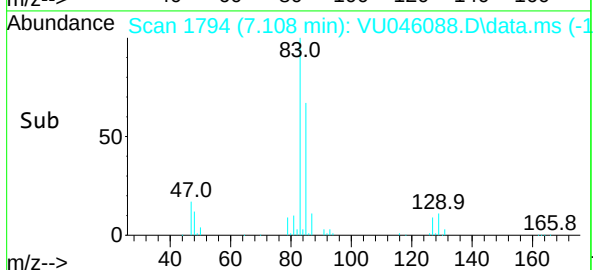
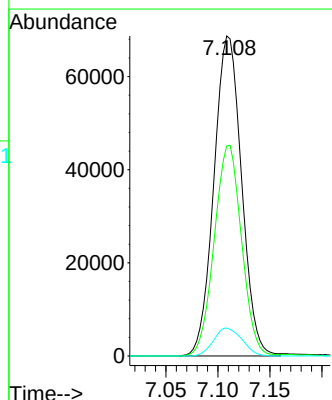
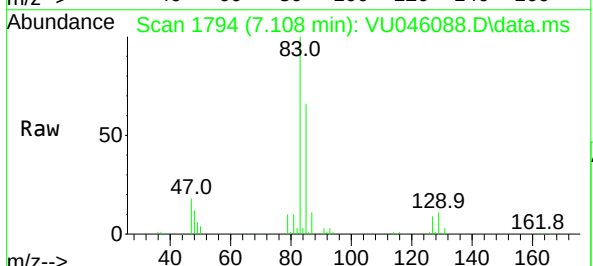
Instrument :
MSVOA_U
ClientSampleId :

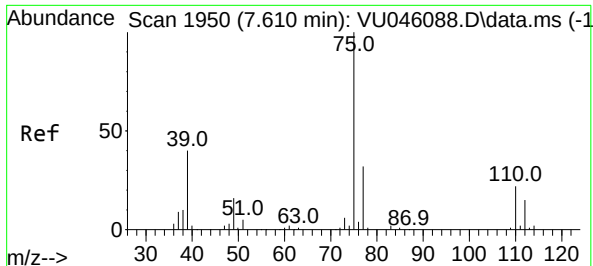
Tgt Ion: 63 Resp: 96973
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.6



#38
Bromodichloromethane
Concen: 55.889 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion: 83 Resp: 127256
Ion Ratio Lower Upper
83 100
85 65.7 44.4 82.5
127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 60.274 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

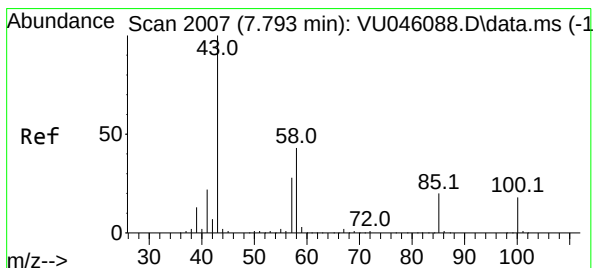
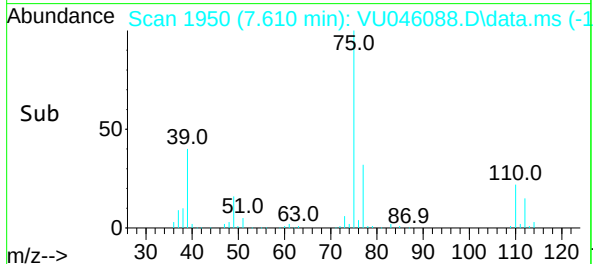
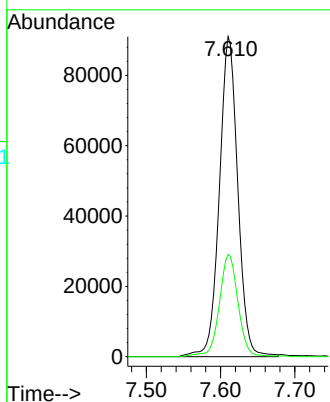
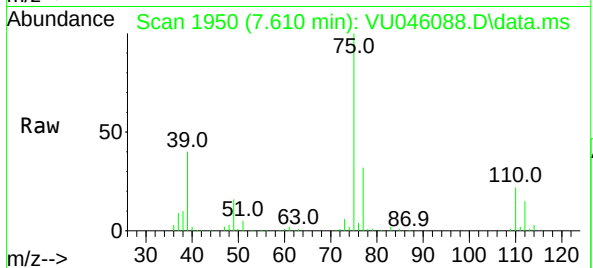
ClientSampleId :

Tgt Ion: 75 Resp: 157080

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 110.664 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

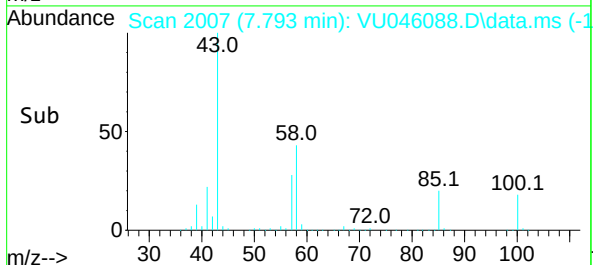
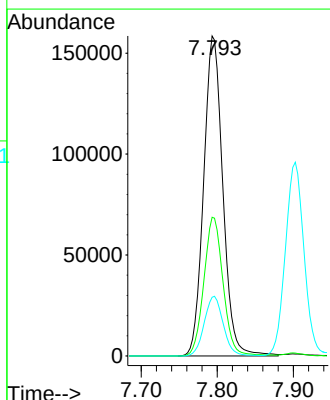
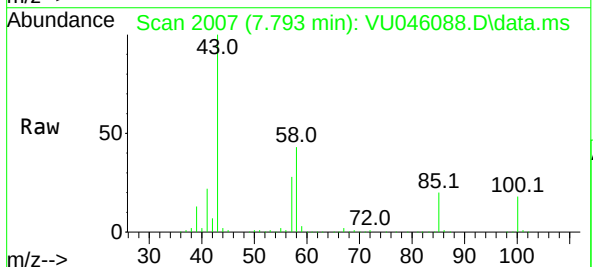
Tgt Ion: 43 Resp: 278533

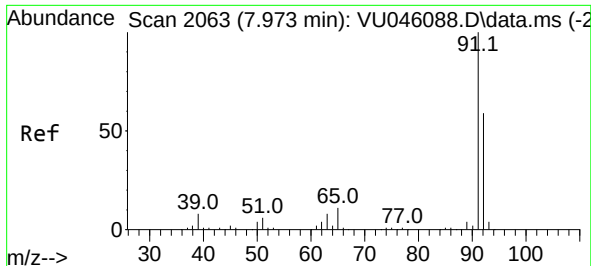
Ion Ratio Lower Upper

43 100

58 43.4 34.2 51.4

100 18.5 14.5 21.7





#42

Toluene

Concen: 58.180 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

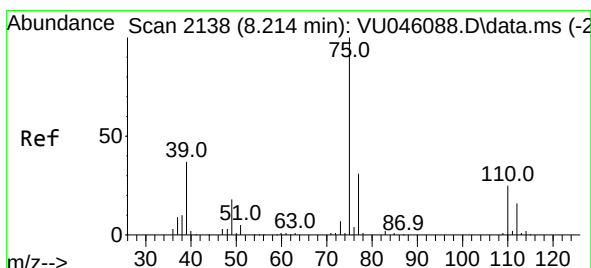
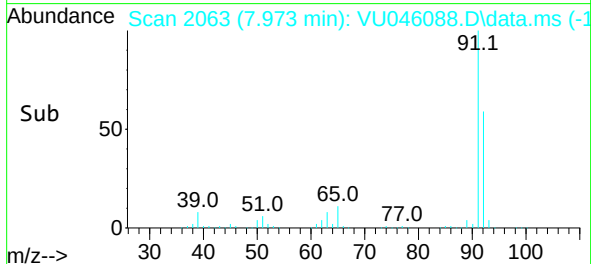
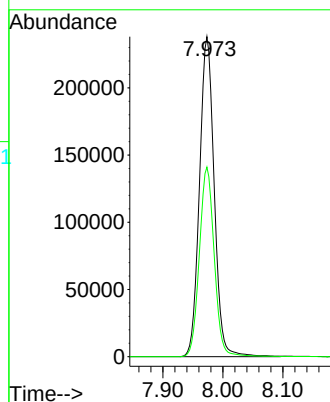
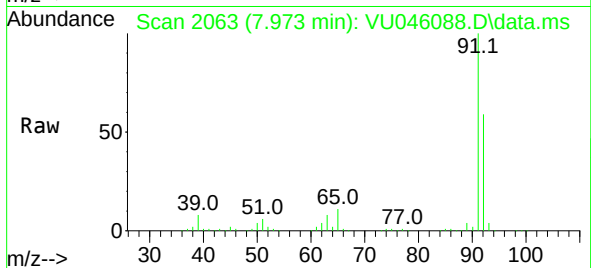
ClientSampleId :

Tgt Ion: 91 Resp: 408253

Ion Ratio Lower Upper

91 100

92 59.2 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 57.940 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU046088.D

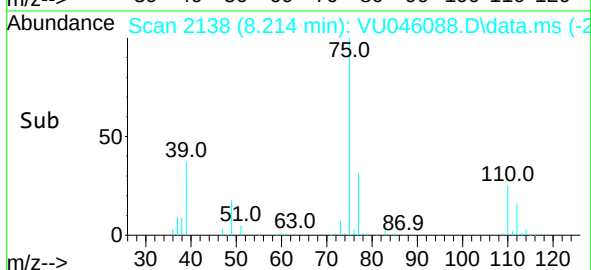
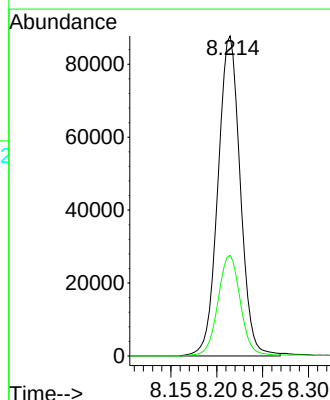
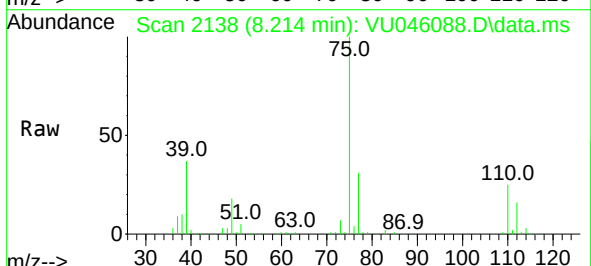
Acq: 04 Dec 2021 13:10

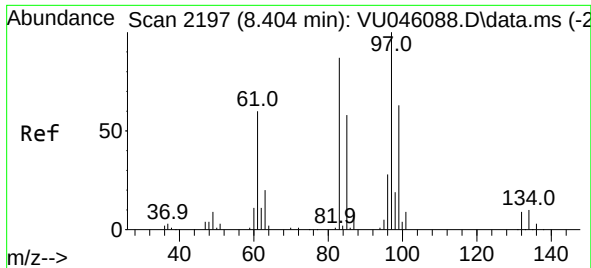
Tgt Ion: 75 Resp: 148304

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3

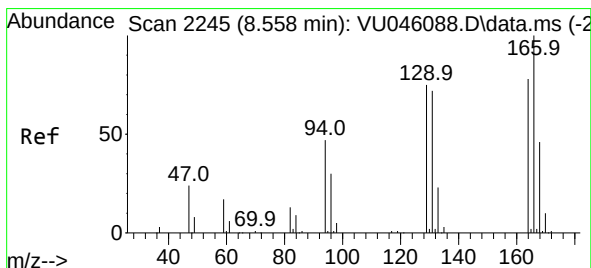
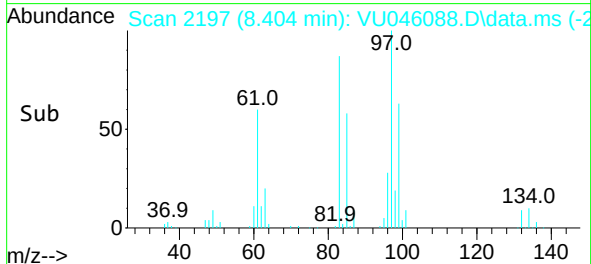
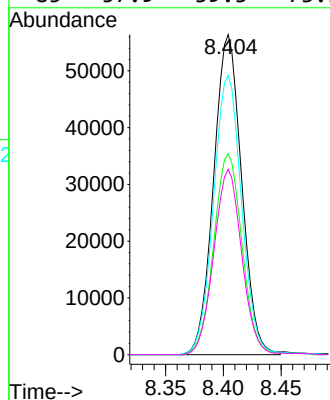
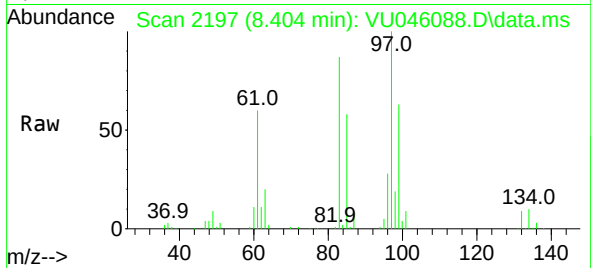




#45
1,1,2-Trichloroethane
Concen: 55.312 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

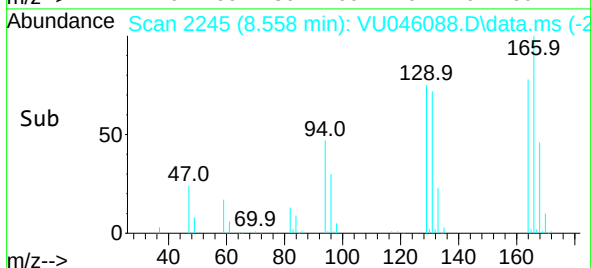
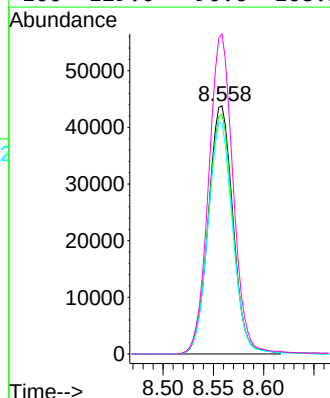
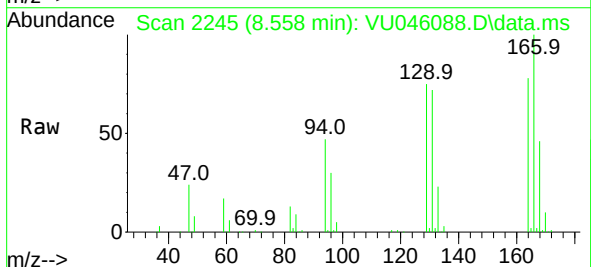
Instrument :
MSVOA_U
ClientSampleId :

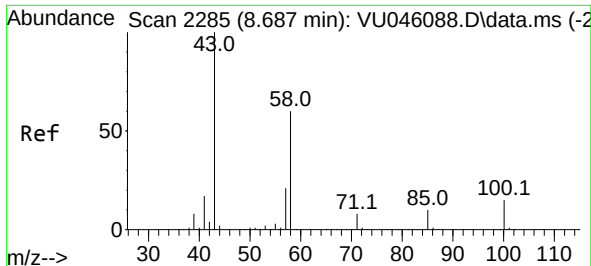
Tgt Ion:	97	Resp:	95063
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.7	82.9
83	87.3	60.2	111.8
85	57.9	39.3	73.1



#46
Tetrachloroethene
Concen: 59.110 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion:	164	Resp:	74836
Ion	Ratio	Lower	Upper
164	100		
129	96.7	71.1	132.1
131	93.0	67.8	126.0
166	129.0	90.6	168.2

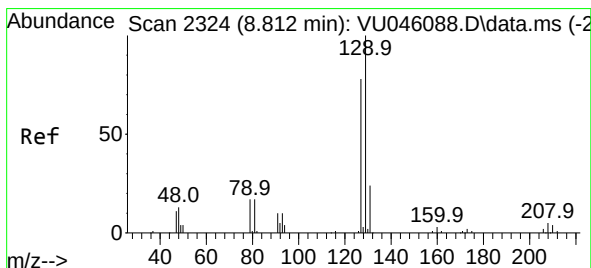
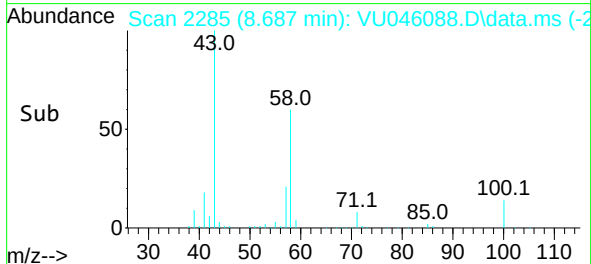
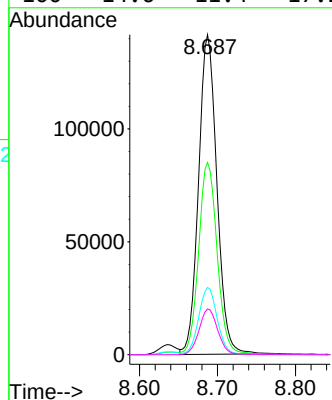
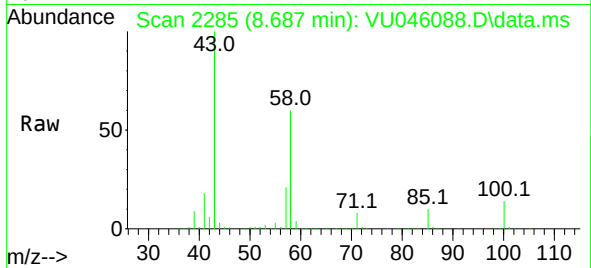




#48
2-Hexanone
Concen: 102.727 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

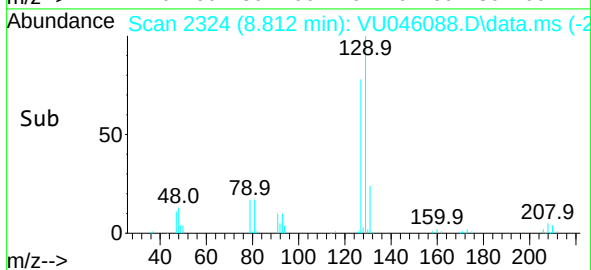
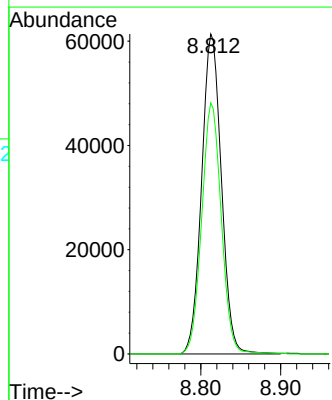
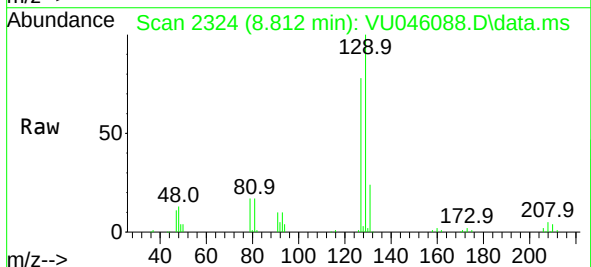
Instrument :
MSVOA_U
ClientSampleId :

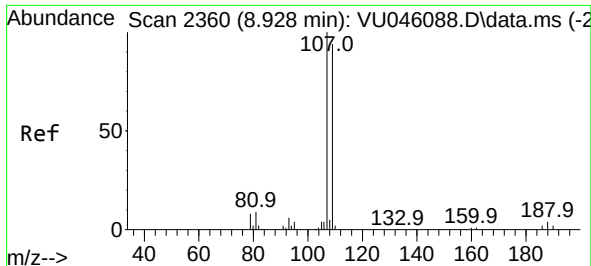
Tgt Ion: 43 Resp: 231232
Ion Ratio Lower Upper
43 100
58 60.5 47.4 71.2
57 21.5 16.6 25.0
100 14.6 11.4 17.2



#49
Dibromochloromethane
Concen: 58.511 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion: 129 Resp: 105599
Ion Ratio Lower Upper
129 100
127 78.5 55.6 103.4





#50

1,2-Dibromoethane

Concen: 56.805 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

ClientSampleId :

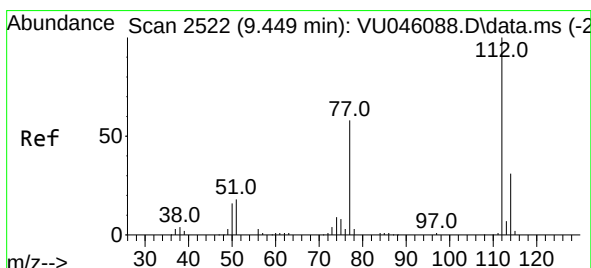
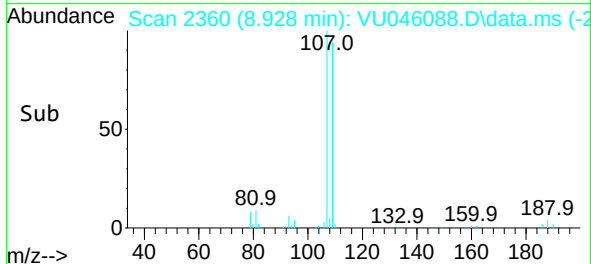
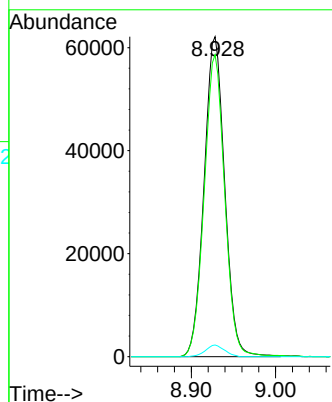
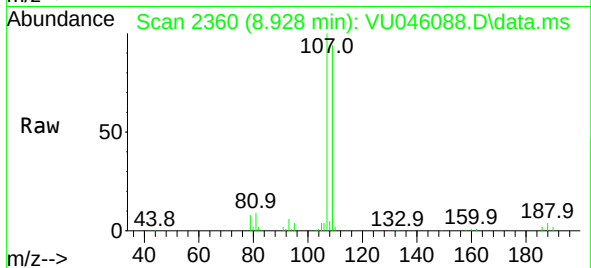
Tgt Ion:107 Resp: 105846

Ion Ratio Lower Upper

107 100

109 94.4 64.9 120.5

188 3.6 2.6 3.8



#51

Chlorobenzene

Concen: 57.372 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

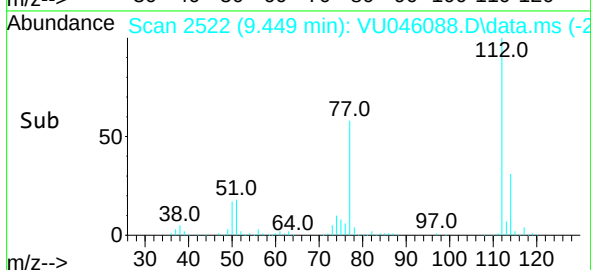
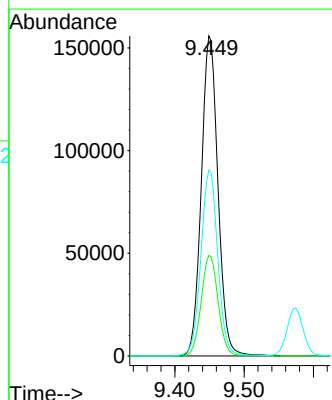
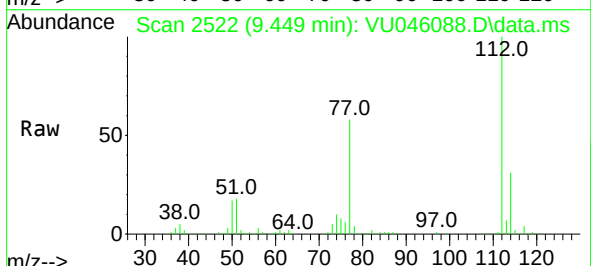
Tgt Ion:112 Resp: 260451

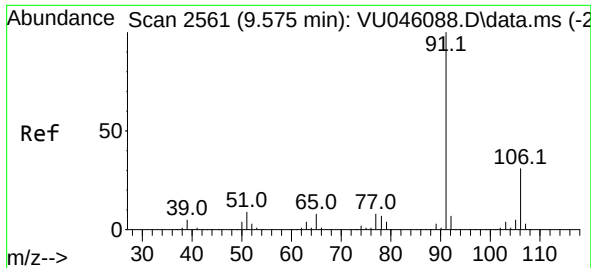
Ion Ratio Lower Upper

112 100

114 31.4 22.2 41.2

77 58.1 47.4 71.0

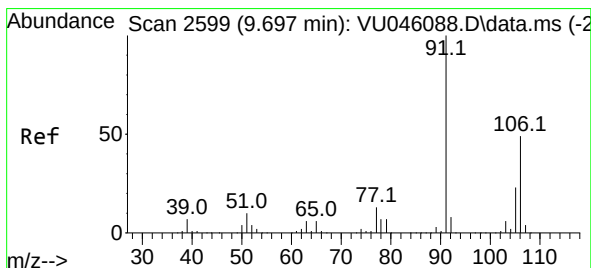
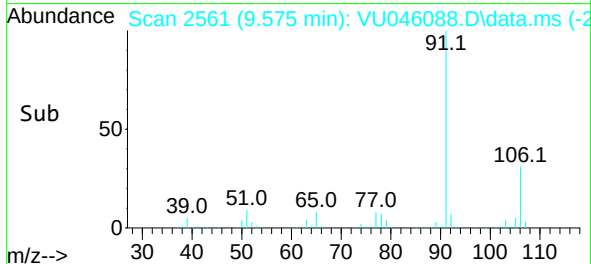
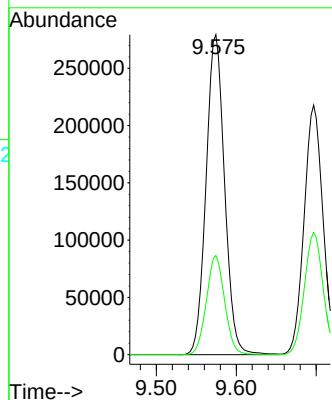
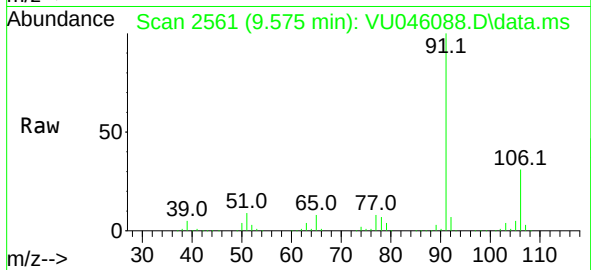




#52
Ethylbenzene
Concen: 59.601 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

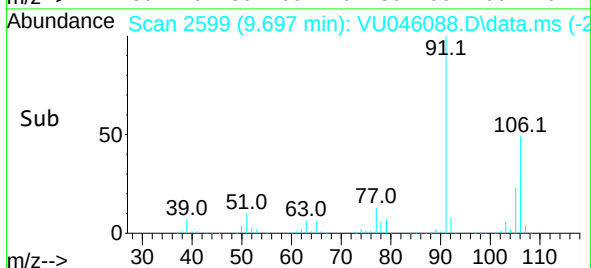
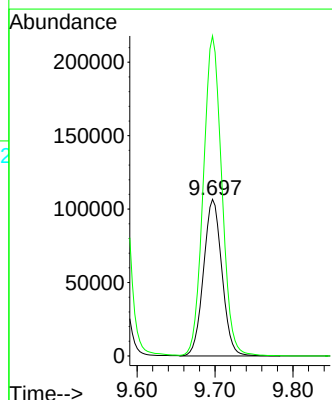
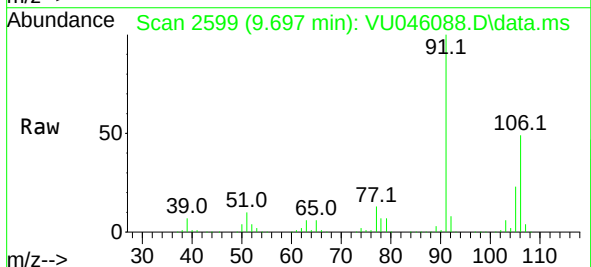
Instrument :
MSVOA_U
ClientSampleId :

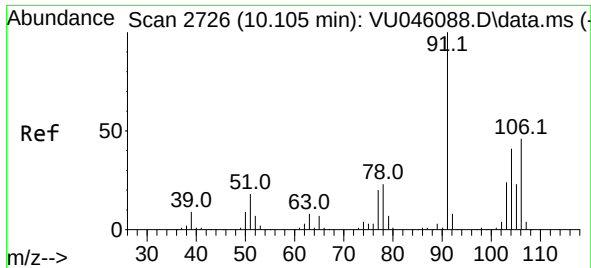
Tgt Ion: 91 Resp: 450099
Ion Ratio Lower Upper
91 100
106 31.0 21.1 39.3



#53
m,p-Xylene
Concen: 59.465 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion: 106 Resp: 175133
Ion Ratio Lower Upper
106 100
91 204.4 144.3 268.1

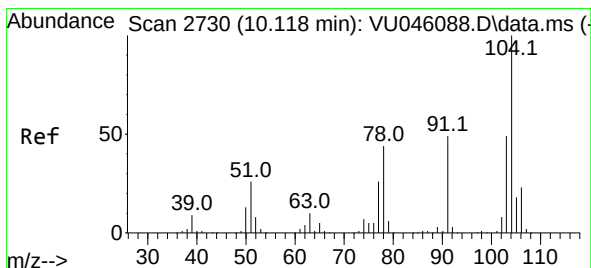
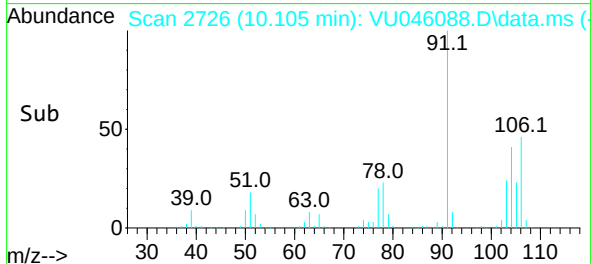
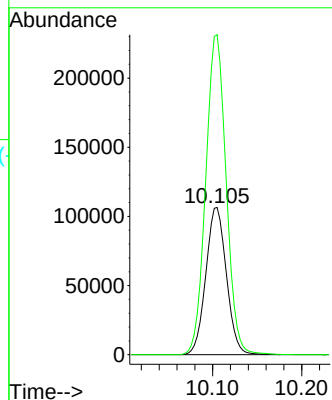
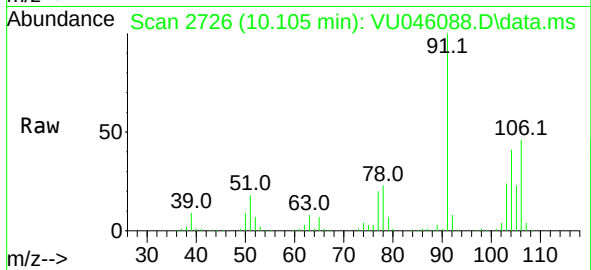




#54
o-xylene
Concen: 59.783 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

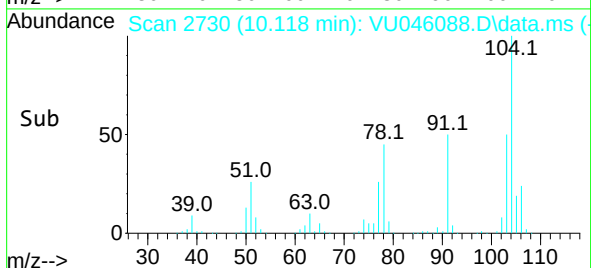
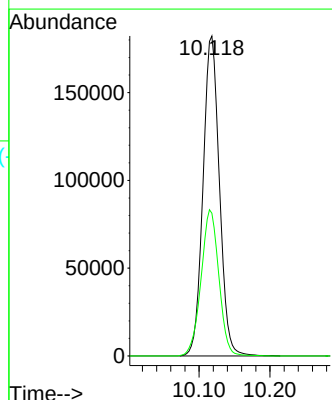
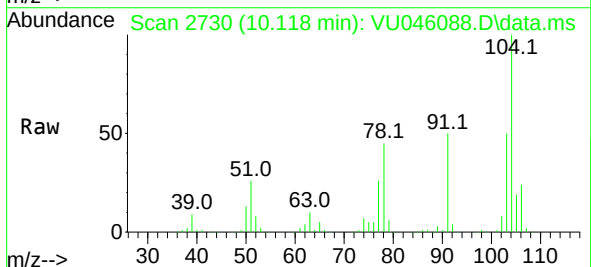
Instrument :
MSVOA_U
ClientSampleId :

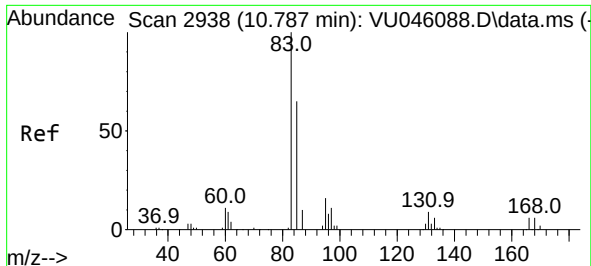
Tgt Ion:106 Resp: 170845
Ion Ratio Lower Upper
106 100
91 217.4 154.2 286.4



#55
Styrene
Concen: 60.046 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion:104 Resp: 292966
Ion Ratio Lower Upper
104 100
78 44.6 32.6 60.5

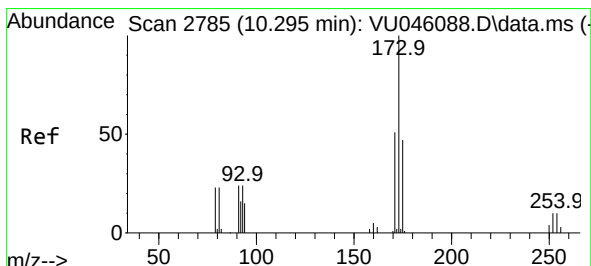
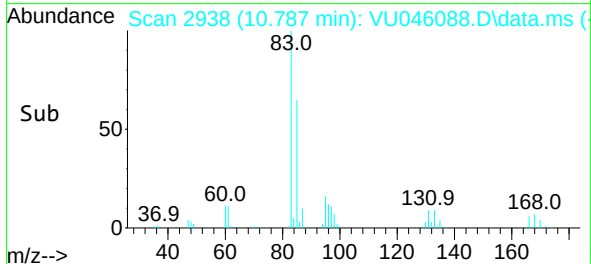
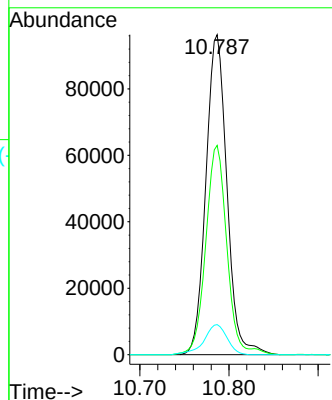
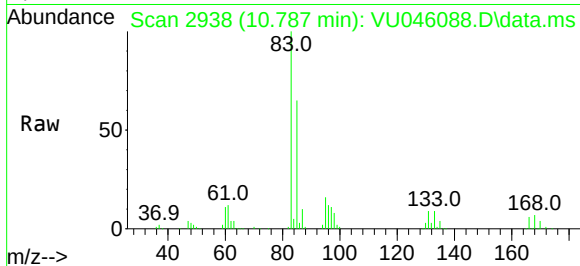




#57
1,1,2,2-Tetrachloroethane
Concen: 53.538 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

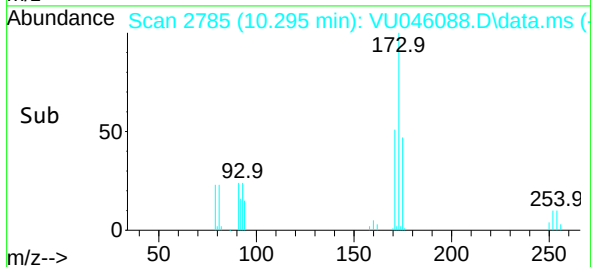
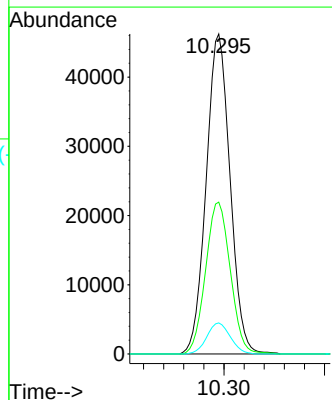
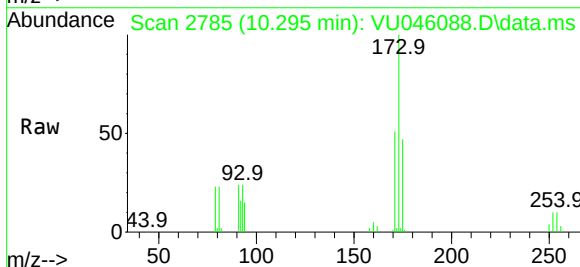
Instrument :
MSVOA_U
ClientSampleId :

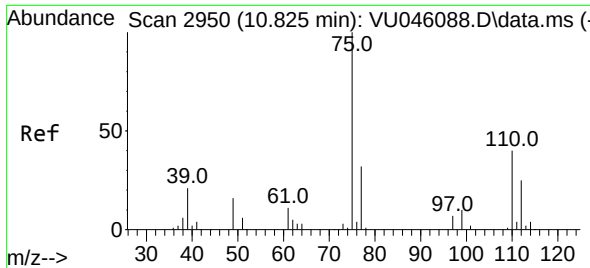
Tgt Ion: 83 Resp: 157751
Ion Ratio Lower Upper
83 100
85 65.4 45.6 84.6
131 9.4 7.8 11.6



#59
Bromoform
Concen: 56.829 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion:173 Resp: 76274
Ion Ratio Lower Upper
173 100
175 49.0 39.2 58.8
254 9.5 7.4 11.2

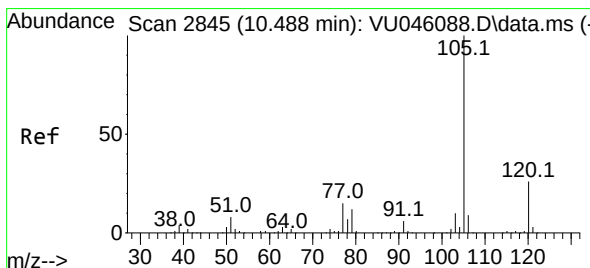
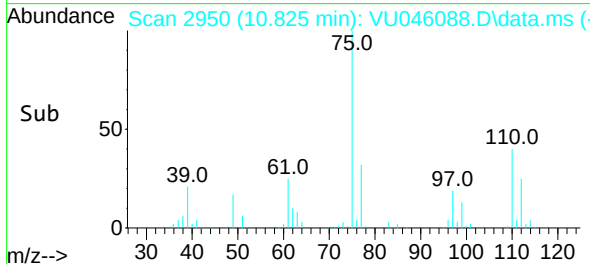
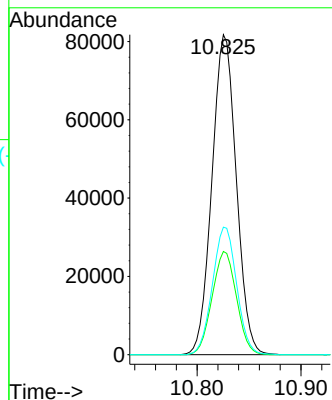
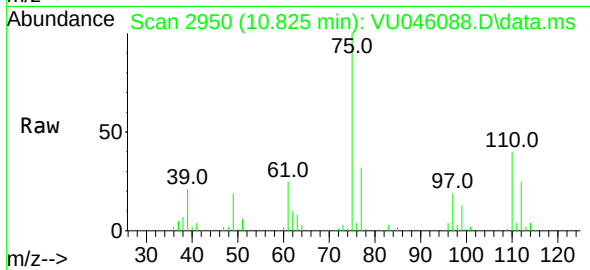




#60
1,2,3-Trichloropropane
Concen: 53.090 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

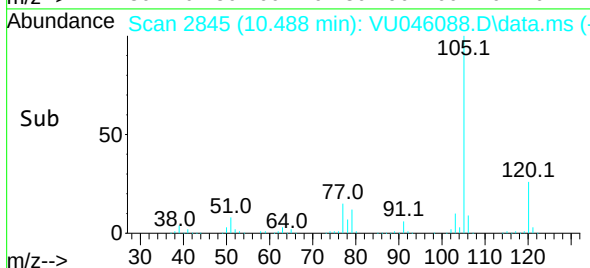
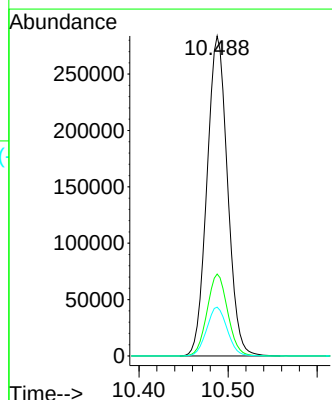
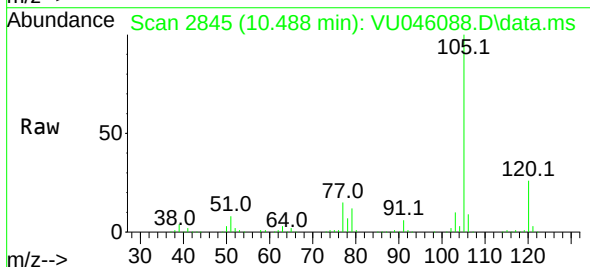
Instrument :
MSVOA_U
ClientSampleId :

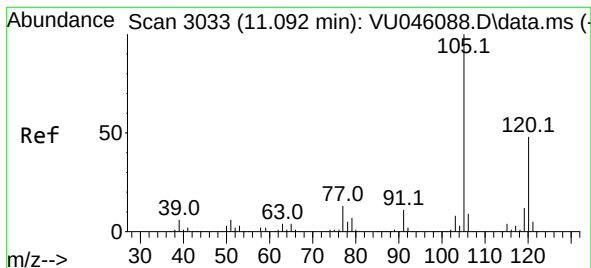
Tgt Ion: 75 Resp: 133149
Ion Ratio Lower Upper
75 100
77 32.3 26.4 39.6
110 39.7 32.4 48.6



#61
Isopropylbenzene
Concen: 60.930 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU046088.D
Acq: 04 Dec 2021 13:10

Tgt Ion: 105 Resp: 453568
Ion Ratio Lower Upper
105 100
120 25.6 20.7 31.1
77 15.2 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 62.198 ug/L

RT: 11.092 min Scan# 3033

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

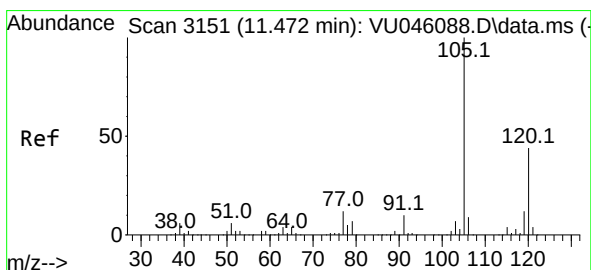
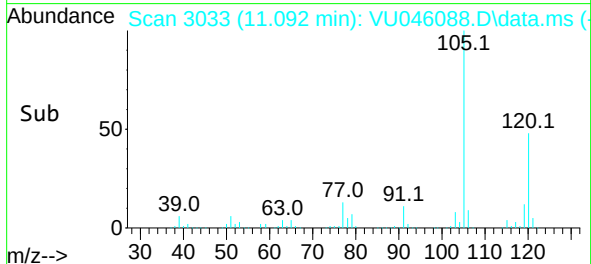
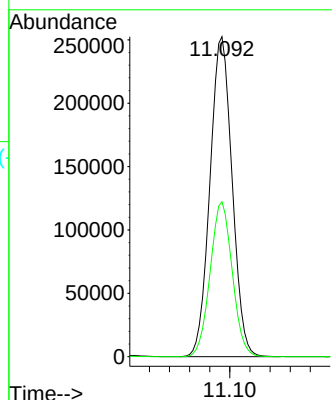
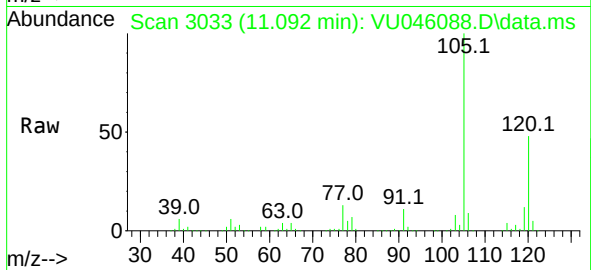
ClientSampleId :

Tgt Ion:105 Resp: 385921

Ion Ratio Lower Upper

105 100

120 48.2 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 62.616 ug/L

RT: 11.472 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VU046088.D

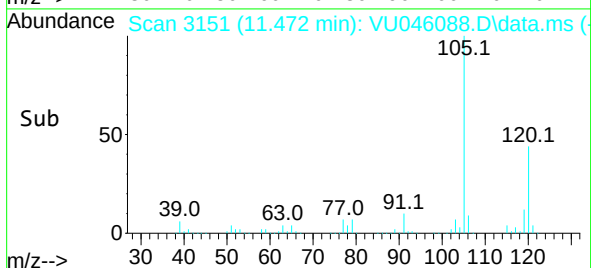
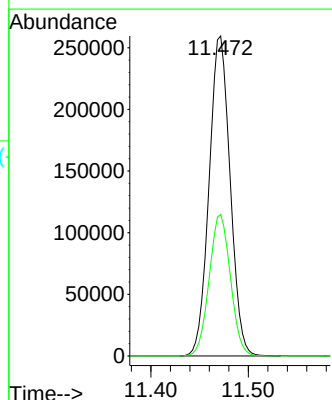
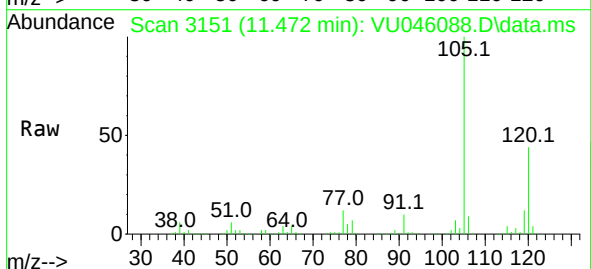
Acq: 04 Dec 2021 13:10

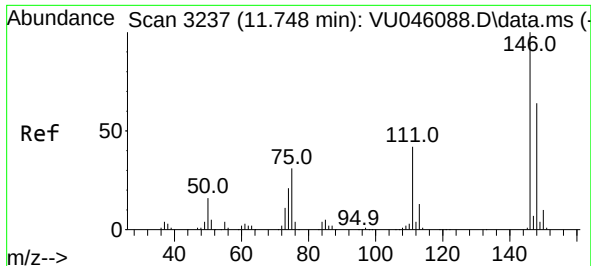
Tgt Ion:105 Resp: 388701

Ion Ratio Lower Upper

105 100

120 44.7 35.2 52.8





#64

1,3-Dichlorobenzene

Concen: 58.199 ug/L

RT: 11.748 min Scan# 3237

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

ClientSampleId :

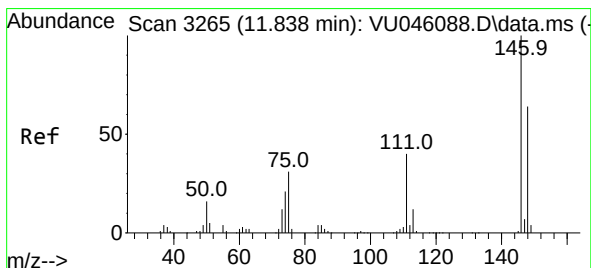
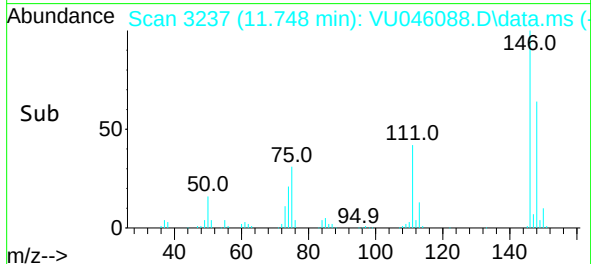
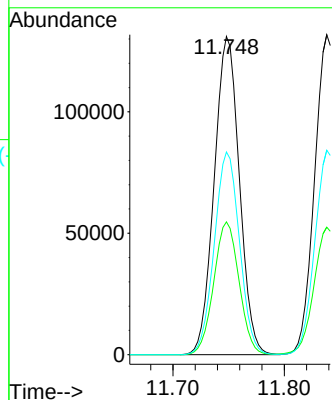
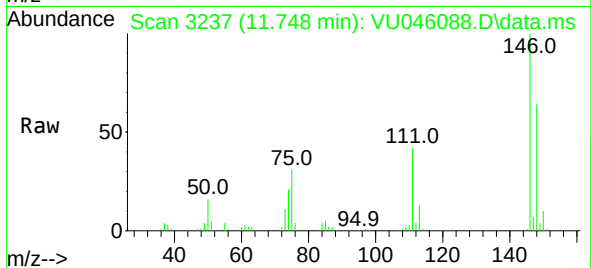
Tgt Ion:146 Resp: 205792

Ion Ratio Lower Upper

146 100

111 41.7 29.5 54.9

148 63.7 45.9 85.3



#65

1,4-Dichlorobenzene

Concen: 56.518 ug/L

RT: 11.838 min Scan# 3265

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

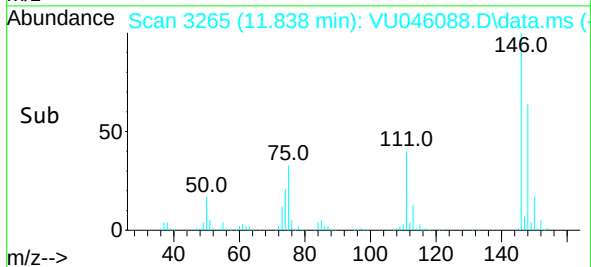
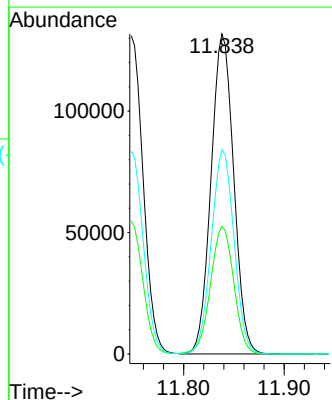
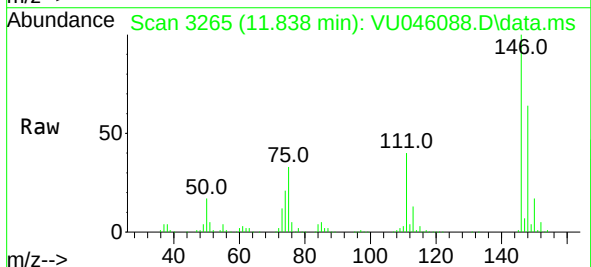
Tgt Ion:146 Resp: 206542

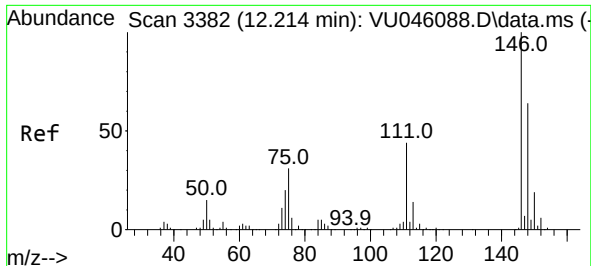
Ion Ratio Lower Upper

146 100

111 39.8 28.3 52.7

148 63.9 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 57.079 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

ClientSampleId :

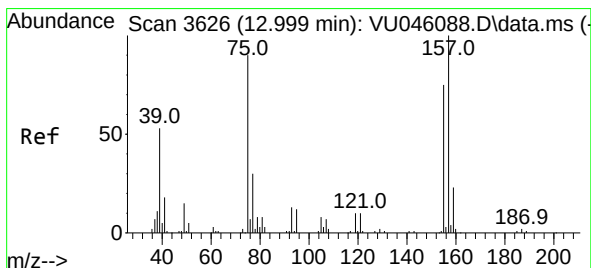
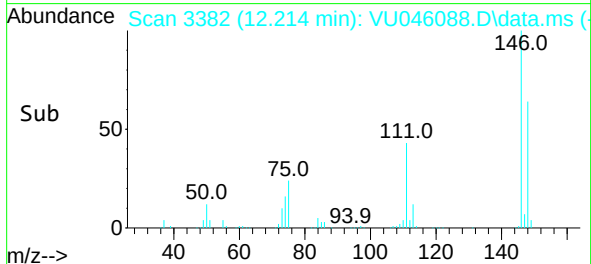
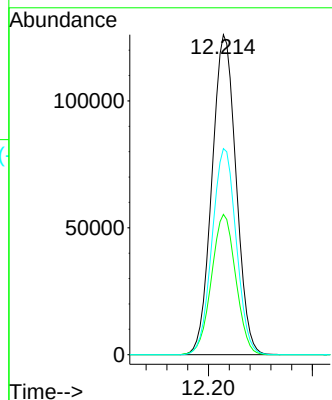
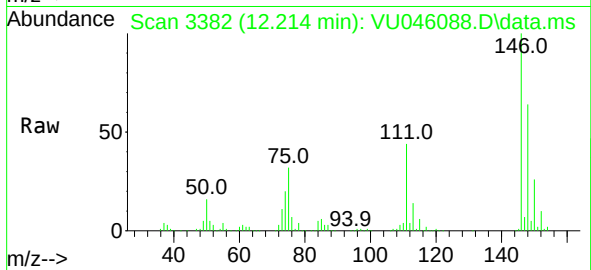
Tgt Ion:146 Resp: 203250

Ion Ratio Lower Upper

146 100

111 43.8 35.7 53.5

148 64.4 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 55.449 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

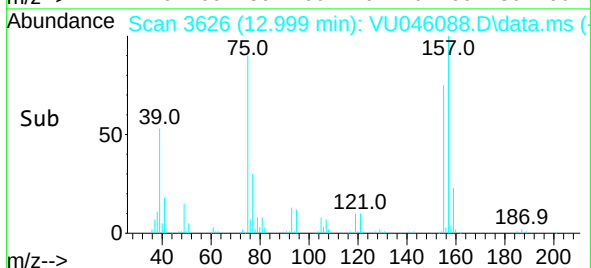
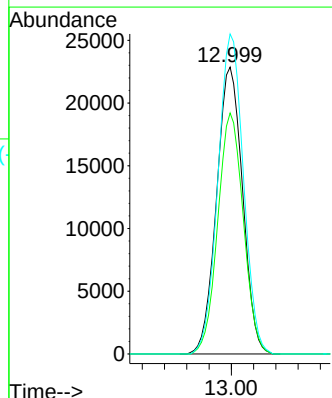
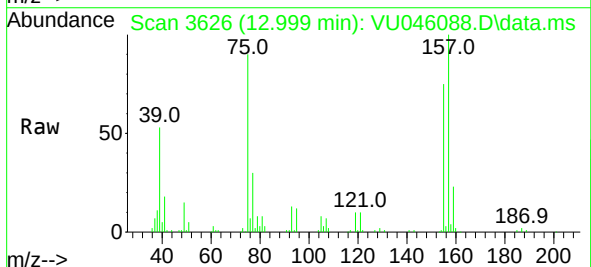
Tgt Ion: 75 Resp: 37047

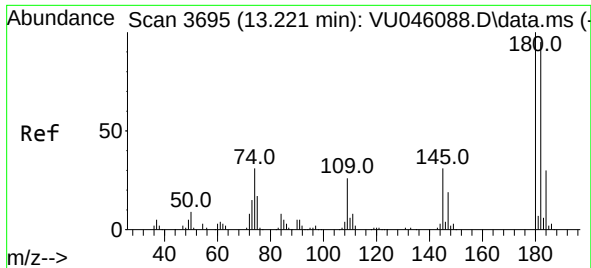
Ion Ratio Lower Upper

75 100

155 84.0 64.9 97.3

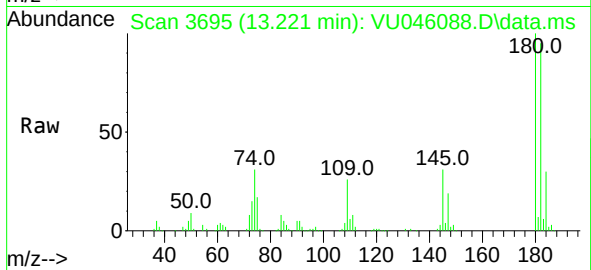
157 111.5 81.9 122.9



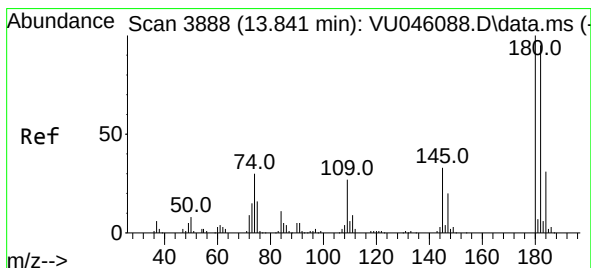
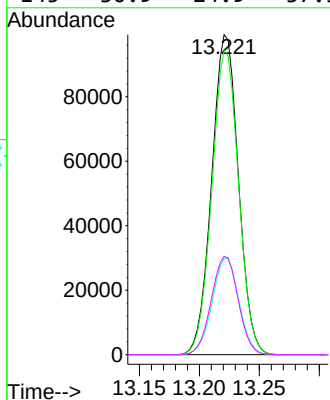
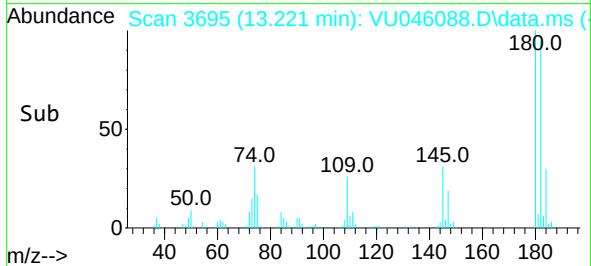


#69
 1,3,5-Trichlorobenzene
 Concen: 59.553 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU046088.D
 Acq: 04 Dec 2021 13:10

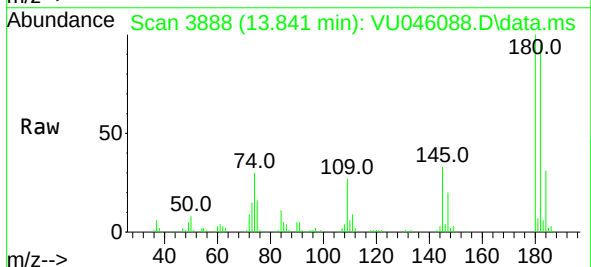
Instrument :
 MSVOA_U
 ClientSampleId :



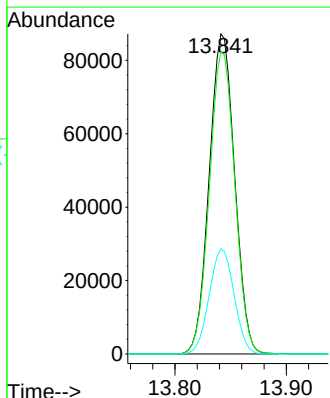
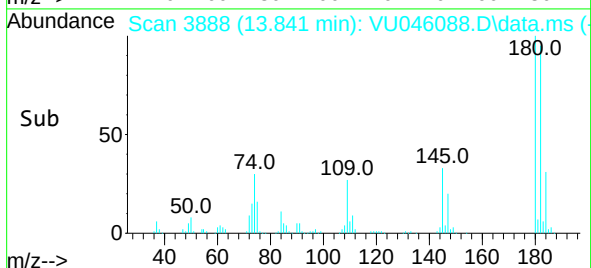
Tgt Ion:180 Resp: 153437
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.9 113.9
 184 30.2 24.2 36.4
 145 30.9 24.9 37.3

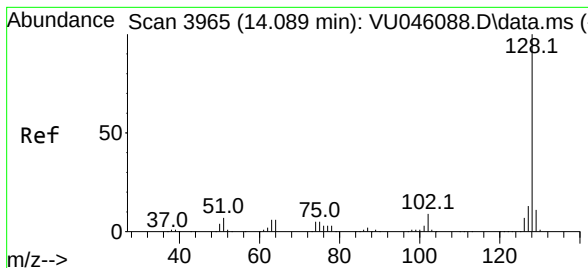


#70
 1,2,4-trichlorobenzene
 Concen: 60.471 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046088.D
 Acq: 04 Dec 2021 13:10



Tgt Ion:180 Resp: 138258
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.7 115.1
 145 32.2 26.0 39.0





#71

Naphthalene

Concen: 63.128 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.000 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Instrument :

MSVOA_U

ClientSampleId :

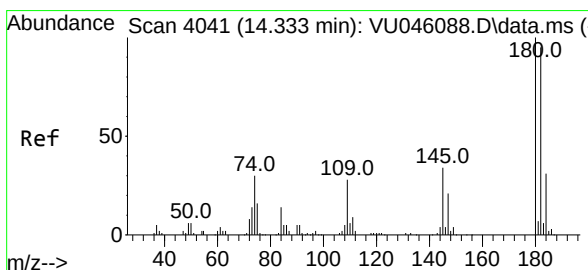
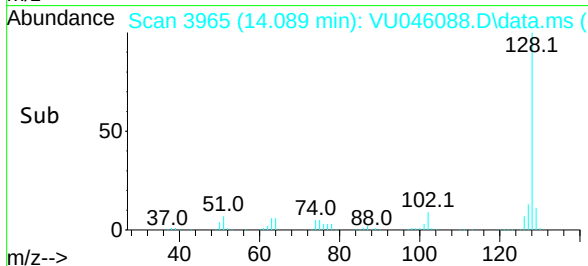
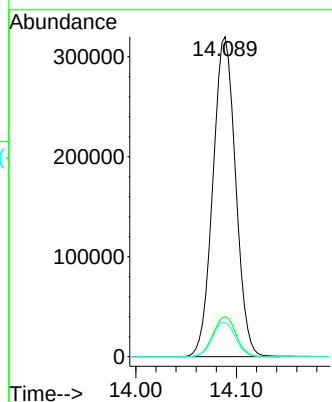
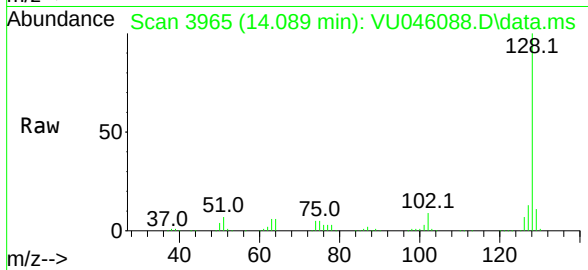
Tgt Ion:128 Resp: 502253

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 60.521 ug/L

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

Lab File: VU046088.D

Acq: 04 Dec 2021 13:10

Tgt Ion:180 Resp: 141104

Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 33.9 27.3 40.9

