

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021022\
 Data File : VU047078.D
 Acq On : 10 Feb 2022 16:49
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 11 01:07:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 10 16:26:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	527048	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	497147	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	266819	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	210855	44.050	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.100%
7) Chloroethane-d5	1.919	69	159872	45.055	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.120%
11) 1,1-Dichloroethene-d2	2.575	63	357283	45.042	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.080%
21) 2-Butanone-d5	4.642	46	390088	105.079	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.080%
24) Chloroform-d	5.070	84	349781	45.012	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.020%
26) 1,2-Dichloroethane-d4	5.706	65	222904	44.691	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.380%
32) Benzene-d6	5.732	84	737264	44.607	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.220%
36) 1,2-Dichloropropane-d6	6.693	67	237581	44.325	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.660%
41) Toluene-d8	7.902	98	705649	44.841	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.680%
43) trans-1,3-Dichloroprop...	8.182	79	129126	45.971	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.940%
47) 2-Hexanone-d5	8.636	63	310433	101.096	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.100%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	359499	45.998	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	285032	45.043	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	229617	46.758	ug/L	99
3) Chloromethane	1.526	50	222839	45.857	ug/L	100
5) Vinyl chloride	1.610	62	228098	46.578	ug/L	99
6) Bromomethane	1.864	94	138102	48.481	ug/L	96
8) Chloroethane	1.941	64	131851	46.703	ug/L	97
9) Trichlorofluoromethane	2.147	101	262510	46.290	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	167419	47.928	ug/L	96
12) 1,1-Dichloroethene	2.588	96	157570	45.975	ug/L	95
13) Acetone	2.661	43	335434	124.037	ug/L	96
14) Carbon disulfide	2.800	76	502010	46.670	ug/L	100
15) Methyl Acetate	2.961	43	231581	50.887	ug/L	95
16) Methylene chloride	3.054	84	177161	46.713	ug/L	94
17) trans-1,2-Dichloroethene	3.359	96	168117	46.689	ug/L	95
18) Methyl tert-butyl Ether	3.369	73	565419	46.434	ug/L	97
19) 1,1-Dichloroethane	3.877	63	310825	45.963	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	188123	47.233	ug/L #	100
22) 2-Butanone	4.722	43	416048	114.661	ug/L	96
23) Bromochloromethane	4.980	128	99071	46.903	ug/L	99
25) Chloroform	5.092	83	305255	46.081	ug/L	100

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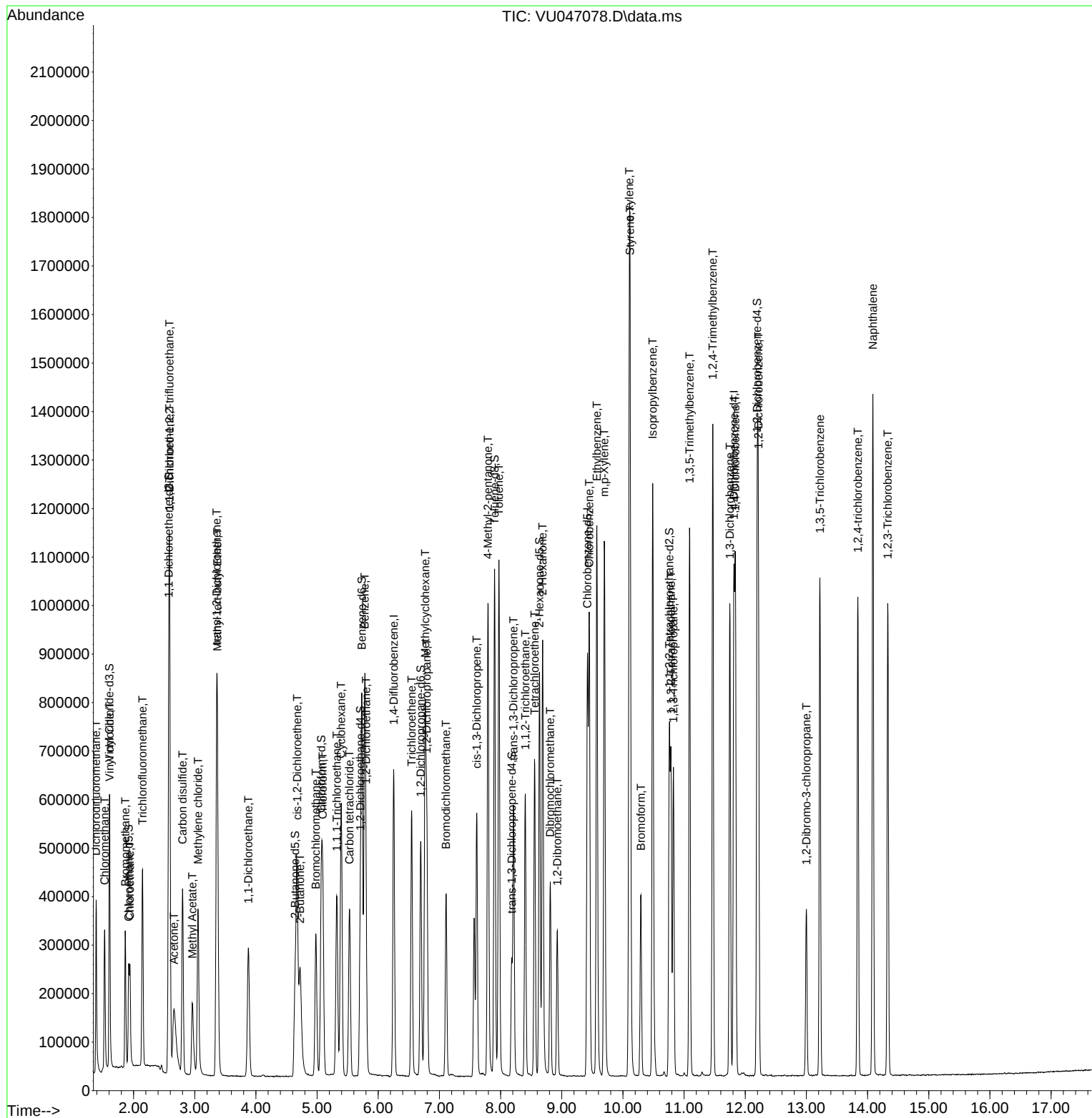
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	244278	46.409	ug/L	99
29) Cyclohexane	5.394	56	301592	46.288	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	275287	46.230	ug/L	99
31) Carbon tetrachloride	5.530	117	238297	46.155	ug/L	99
33) Benzene	5.780	78	709502	45.757	ug/L	100
34) Trichloroethene	6.546	95	185061	45.945	ug/L	99
35) Methylcyclohexane	6.767	83	317349	46.957	ug/L	96
37) 1,2-Dichloropropane	6.793	63	188411	45.362	ug/L	99
38) Bromodichloromethane	7.108	83	242896	45.882	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	308346	45.678	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	662624	100.743	ug/L	94
42) Toluene	7.973	91	794147	46.628	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	308346	47.540	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	181651	46.434	ug/L	97
46) Tetrachloroethene	8.555	164	152099	46.942	ug/L	96
48) 2-Hexanone	8.687	43	579648	106.565	ug/L	95
49) Dibromochloromethane	8.812	129	208430	46.052	ug/L	99
50) 1,2-Dibromoethane	8.928	107	202717	46.650	ug/L	100
51) Chlorobenzene	9.449	112	507979	46.516	ug/L	98
52) Ethylbenzene	9.574	91	870924	46.724	ug/L	99
53) m,p-Xylene	9.697	106	347151	46.941	ug/L	96
54) o-xylene	10.105	106	338276	46.457	ug/L	98
55) Styrene	10.118	104	585778	46.753	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.787	83	325138	47.145	ug/L	98
59) Bromoform	10.295	173	170382	47.036	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	270647	47.583	ug/L	96
61) Isopropylbenzene	10.488	105	875310	46.667	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	620229	46.658	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	757731	46.949	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	413579	47.256	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	413405	46.990	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	403732	46.355	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	87620	48.352	ug/L	91
69) 1,3,5-Trichlorobenzene	13.221	180	320613	47.370	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	307369	47.908	ug/L	99
71) Naphthalene	14.085	128	1104924	48.645	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	303522	47.512	ug/L	99

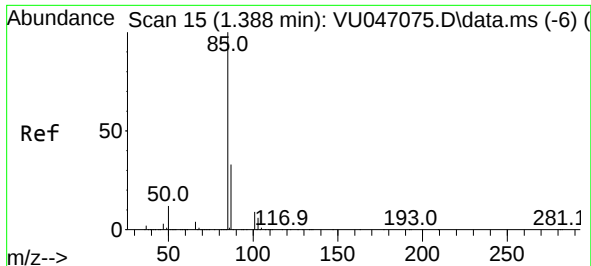
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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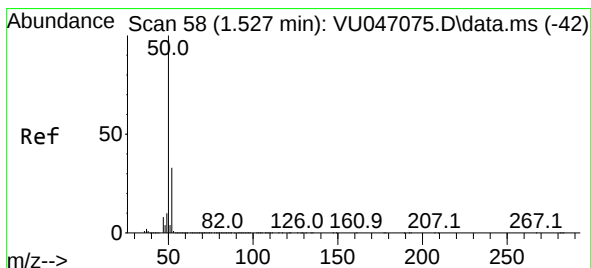
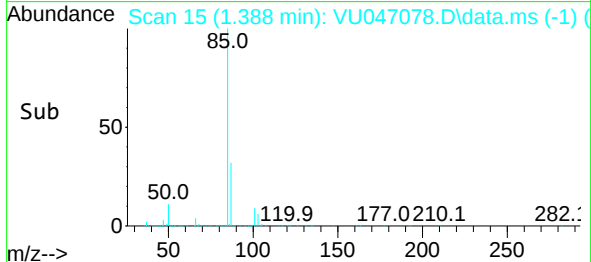
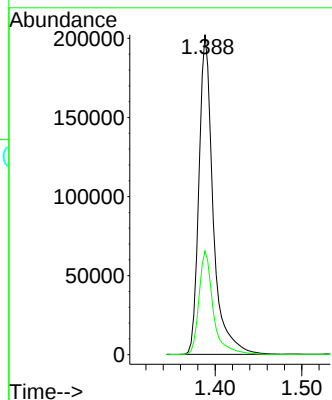
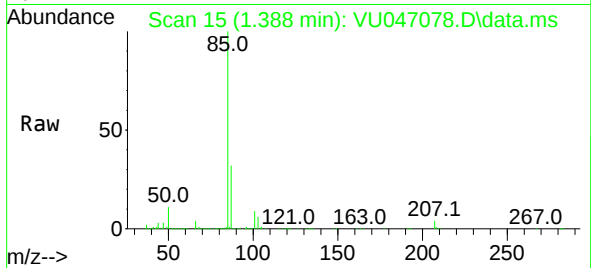




#2
Dichlorodifluoromethane
Concen: 46.758 ug/L
RT: 1.388 min Scan# 15
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

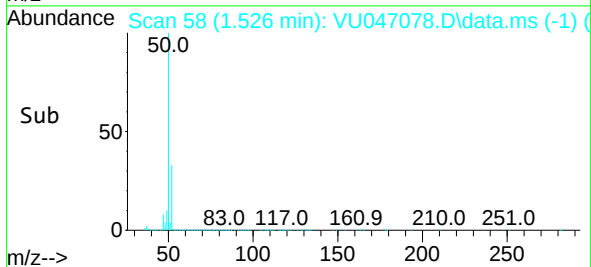
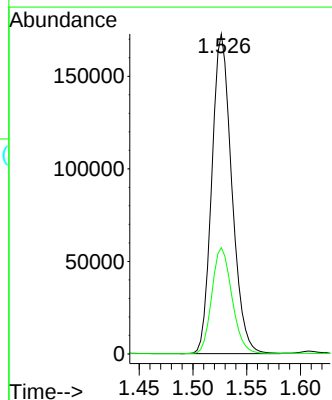
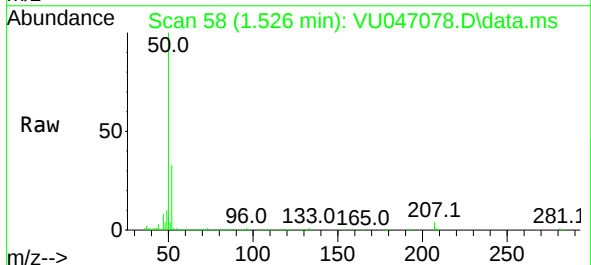
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MSVOA_U
ClientSampleId :

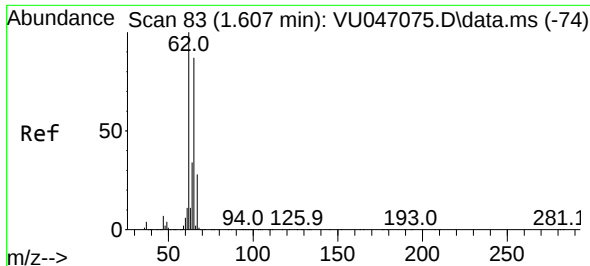
Tgt Ion: 85 Resp: 229617
Ion Ratio Lower Upper
85 100
87 32.5 25.6 38.4



#3
Chloromethane
Concen: 45.857 ug/L
RT: 1.526 min Scan# 58
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion: 50 Resp: 222839
Ion Ratio Lower Upper
50 100
52 33.2 23.2 43.2

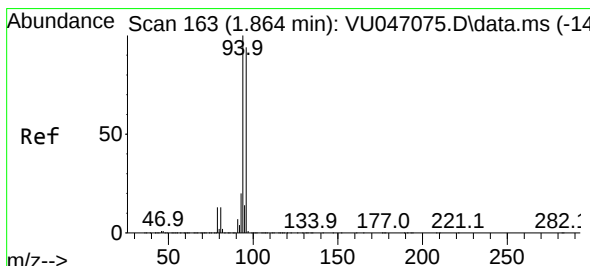
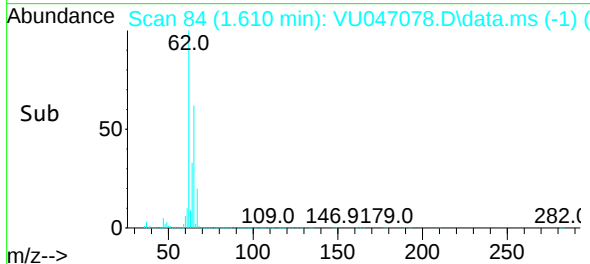
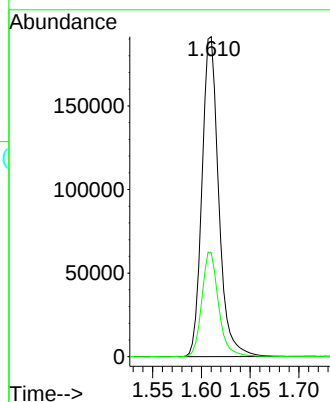
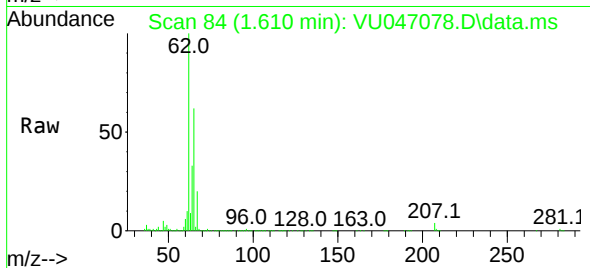




#5
 Vinyl chloride
 Concen: 46.578 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VU047078.D
 Acq: 10 Feb 2022 16:49

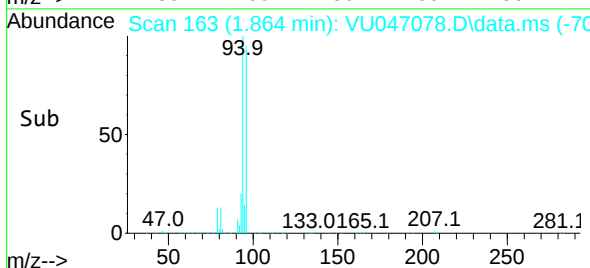
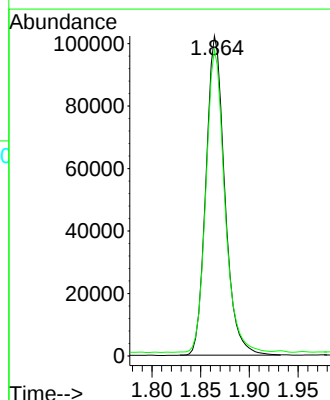
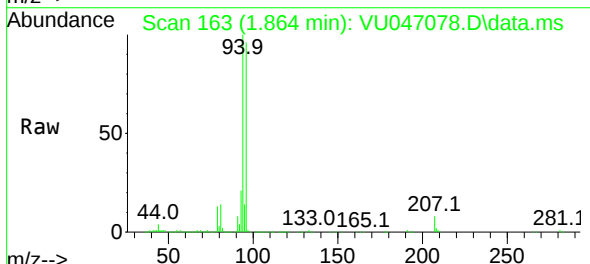
Instrument :
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 ClientSampleId :

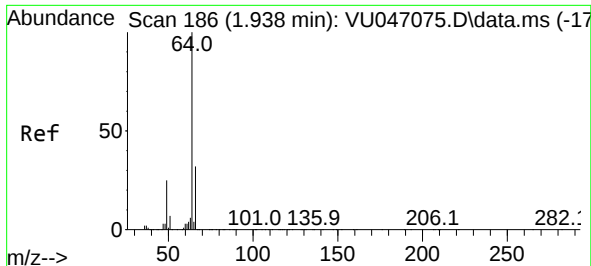
Tgt Ion: 62 Resp: 228098
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.1 42.9



#6
 Bromomethane
 Concen: 48.481 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU047078.D
 Acq: 10 Feb 2022 16:49

Tgt Ion: 94 Resp: 138102
 Ion Ratio Lower Upper
 94 100
 96 95.7 64.4 119.6

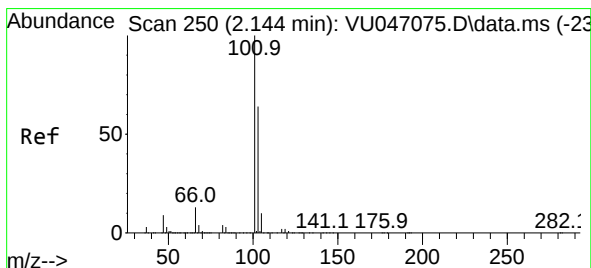
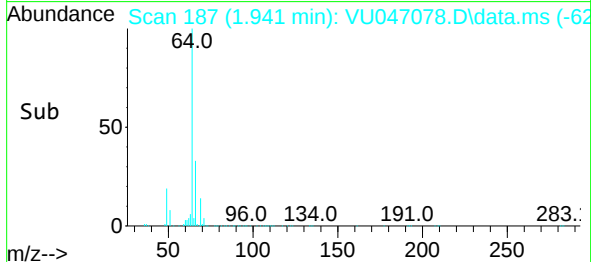
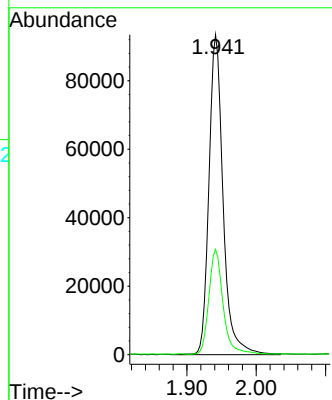
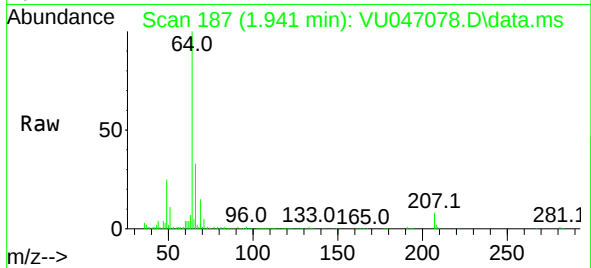




#8
Chloroethane
Concen: 46.703 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

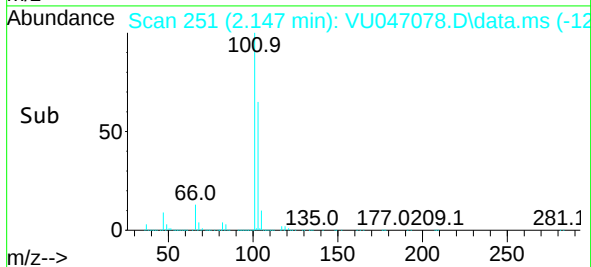
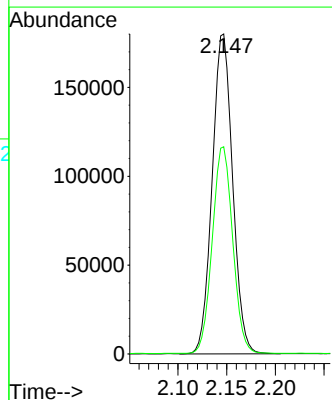
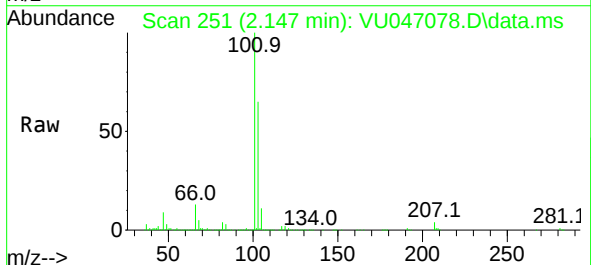
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MSVOA_U
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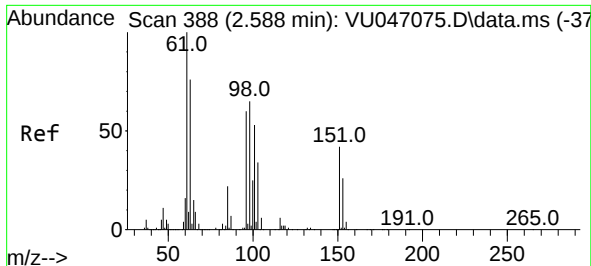
Tgt Ion: 64 Resp: 131851
Ion Ratio Lower Upper
64 100
66 33.0 24.4 45.2



#9
Trichlorofluoromethane
Concen: 46.290 ug/L
RT: 2.147 min Scan# 251
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion: 101 Resp: 262510
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0





#10

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

Concen: 47.928 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

Instrument :

MSVOA_U

ClientSampleId :

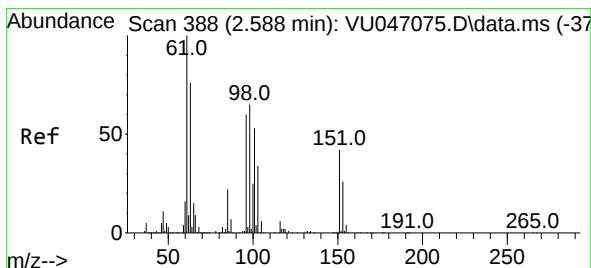
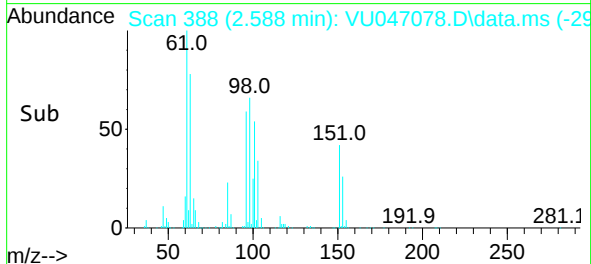
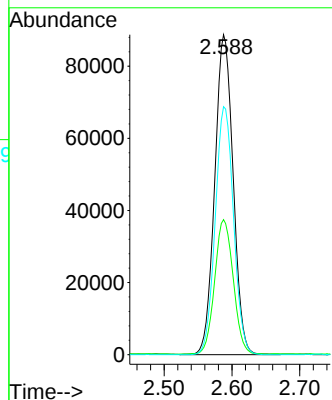
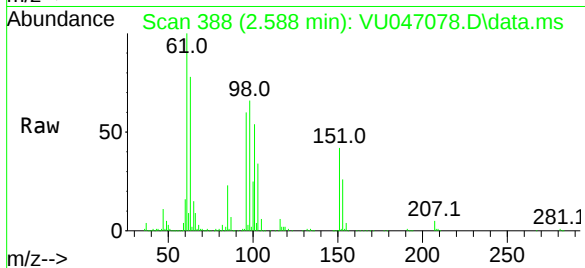
Tgt Ion:101 Resp: 167419

Ion Ratio Lower Upper

101 100

85 42.5 34.9 52.3

151 77.2 58.3 87.5



#12

1,1-Dichloroethene

Concen: 45.975 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

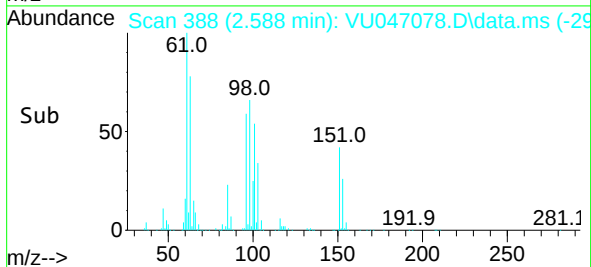
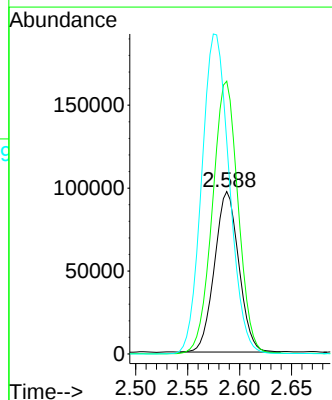
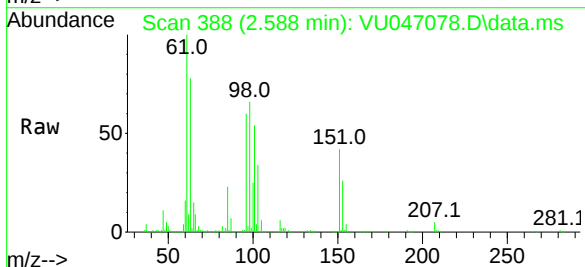
Tgt Ion: 96 Resp: 157570

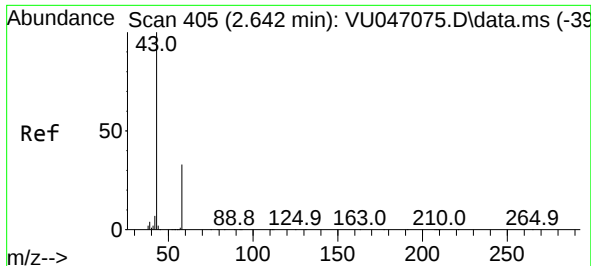
Ion Ratio Lower Upper

96 100

61 168.0 114.9 213.3

63 130.9 86.0 159.8





#13

Acetone

Concen: 124.037 ug/L

RT: 2.661 min Scan# 411

Delta R.T. 0.019 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

Instrument :

MSVOA_U

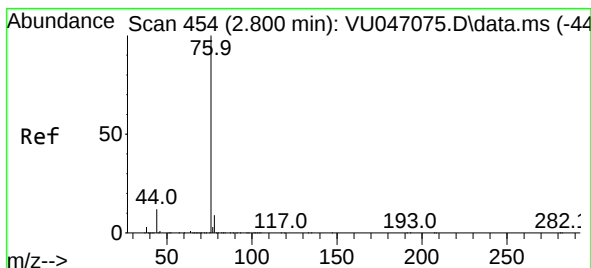
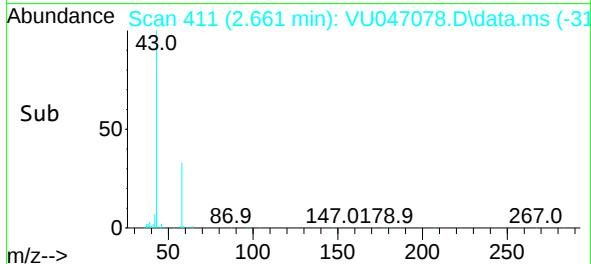
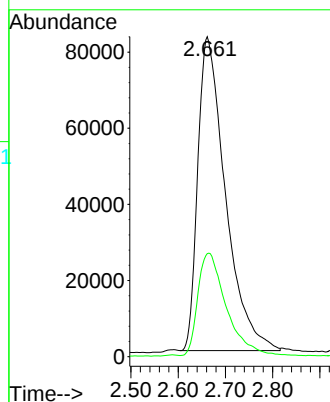
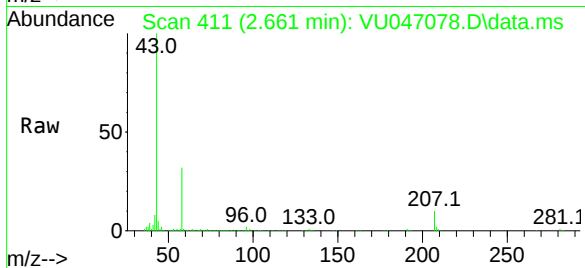
ClientSampleId :

Tgt Ion: 43 Resp: 335434

Ion Ratio Lower Upper

43 100

58 33.0 0.0 71.0



#14

Carbon disulfide

Concen: 46.670 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

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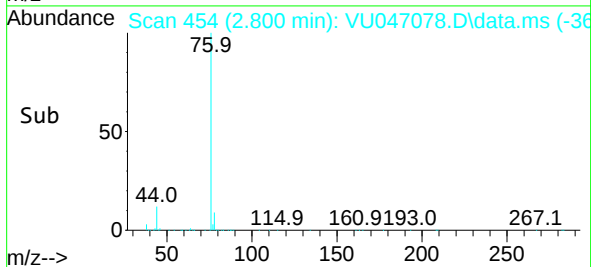
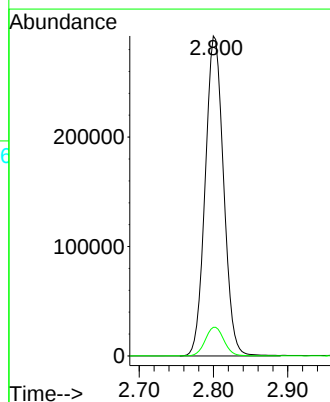
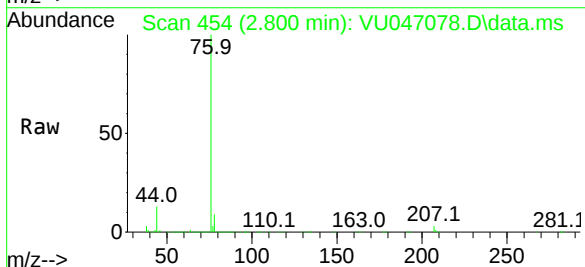
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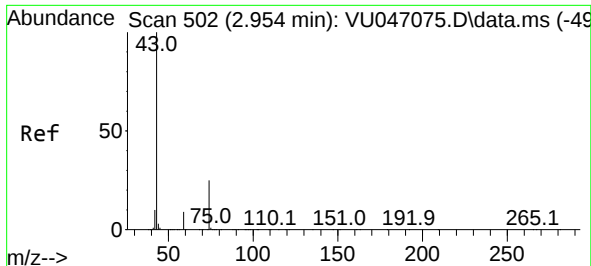
Tgt Ion: 76 Resp: 502010

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

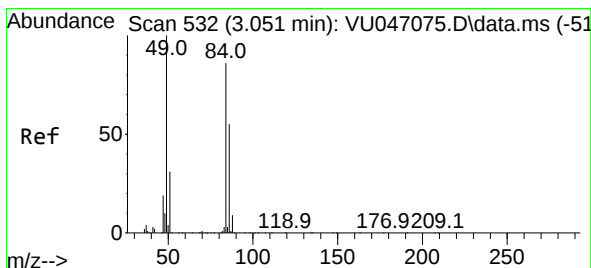
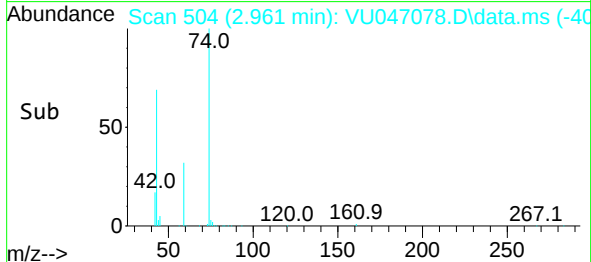
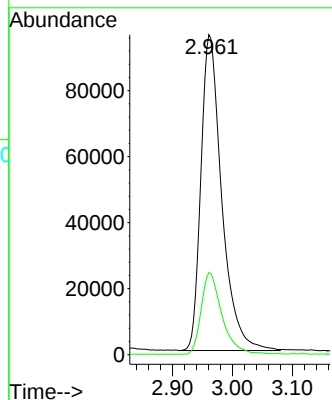
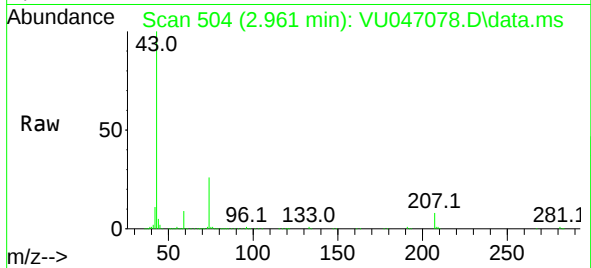




#15
Methyl Acetate
Concen: 50.887 ug/L
RT: 2.961 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

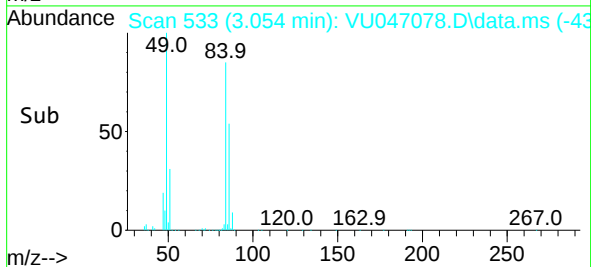
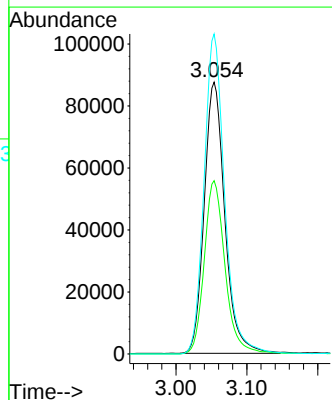
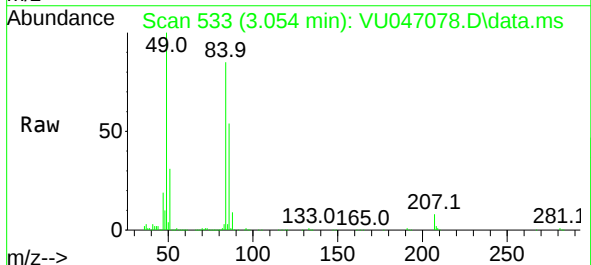
Instrument :
MSVOA_U
ClientSampleId :

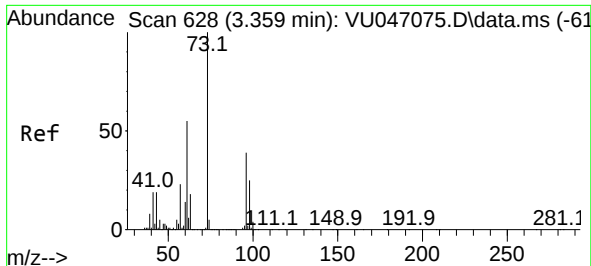
Tgt Ion: 43 Resp: 231581
Ion Ratio Lower Upper
43 100
74 25.4 22.3 33.5



#16
Methylene chloride
Concen: 46.713 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion: 84 Resp: 177161
Ion Ratio Lower Upper
84 100
86 63.7 44.7 82.9
49 117.7 75.9 141.1

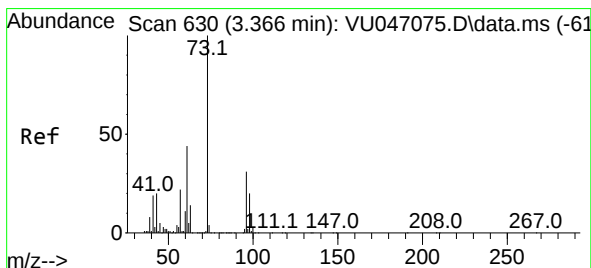
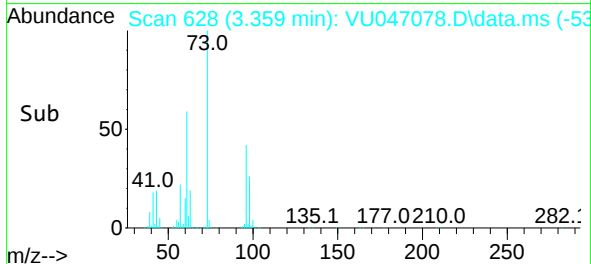
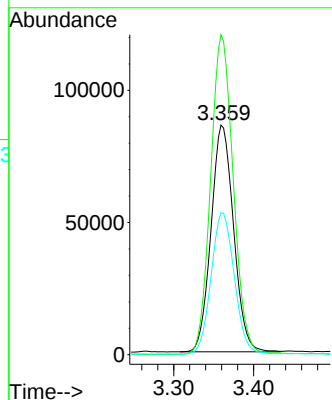
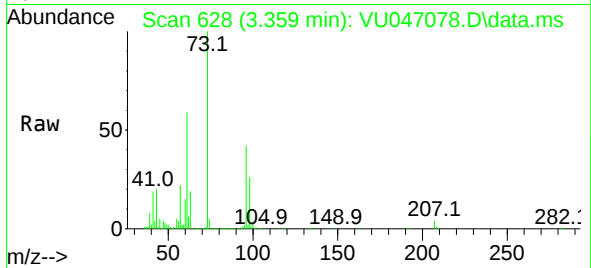




#17
trans-1,2-Dichloroethene
Concen: 46.689 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

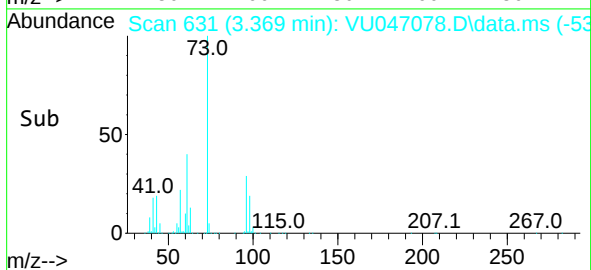
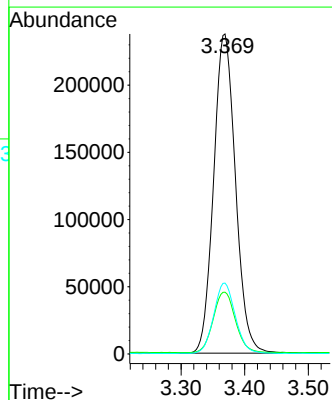
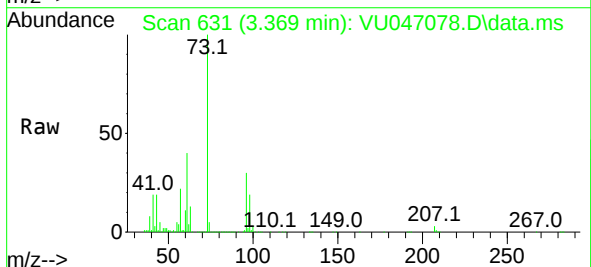
Instrument :
MSVOA_U
ClientSampleId :

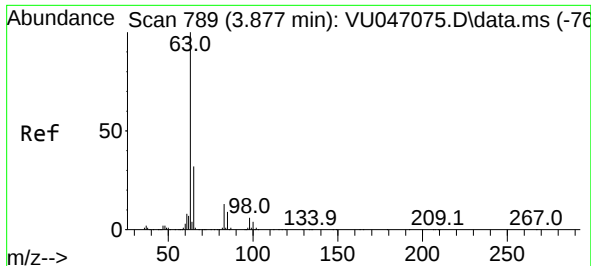
Tgt Ion: 96 Resp: 168117
Ion Ratio Lower Upper
96 100
61 139.4 92.5 171.9
98 61.8 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 46.434 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

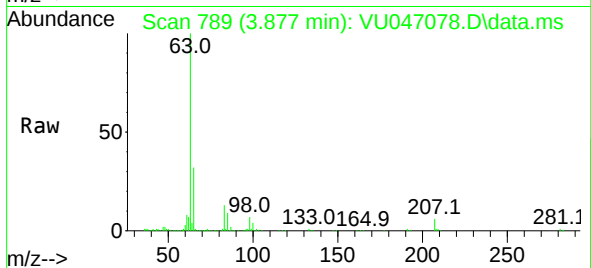
Tgt Ion: 73 Resp: 565419
Ion Ratio Lower Upper
73 100
43 19.2 14.1 21.1
57 21.8 16.4 24.6



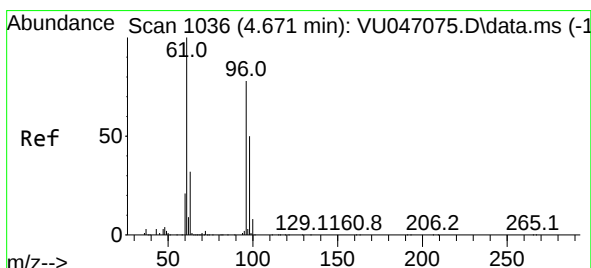
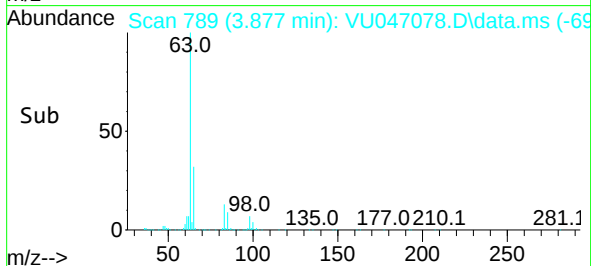
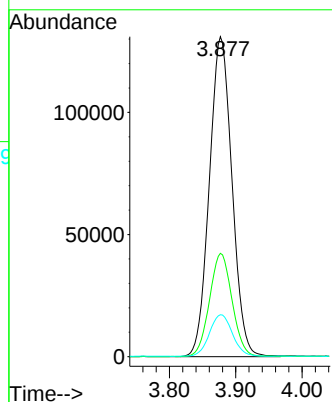


#19
1,1-Dichloroethane
Concen: 45.963 ug/L
RT: 3.877 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Instrument :
MSVOA_U
ClientSampleId :

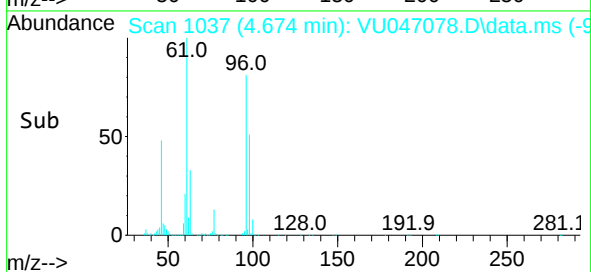
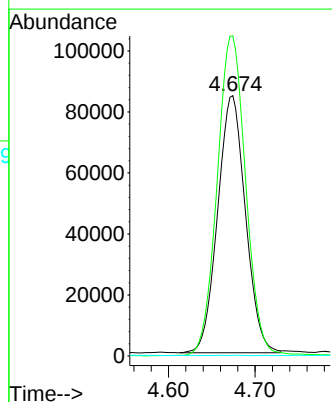
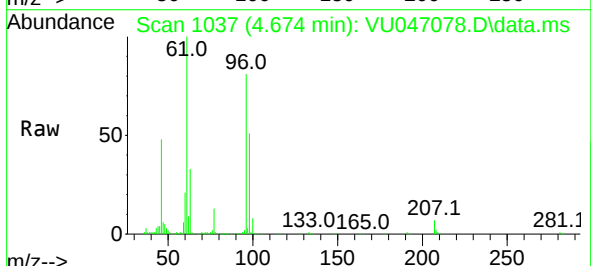


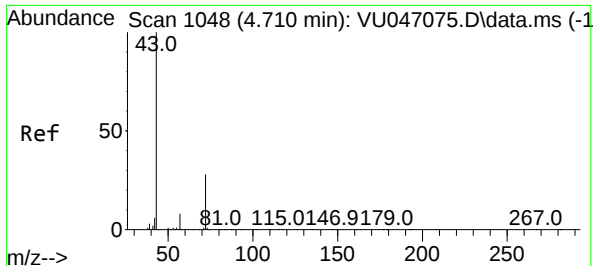
Tgt Ion: 63 Resp: 310825
Ion Ratio Lower Upper
63 100
65 32.3 22.8 42.4
83 13.1 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 47.233 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion: 96 Resp: 188123
Ion Ratio Lower Upper
96 100
61 122.9 86.0 159.6
68 0.2 0.0 0.0#

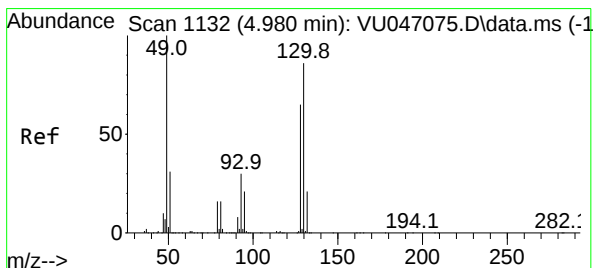
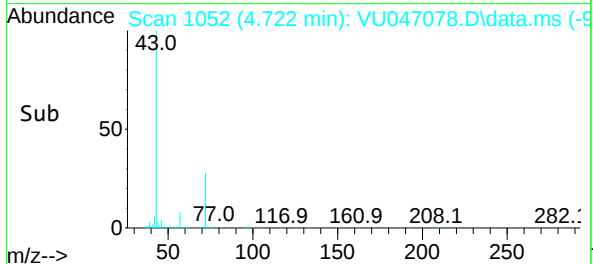
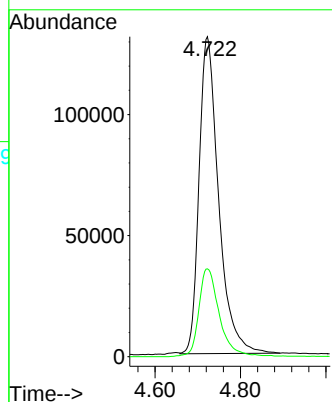
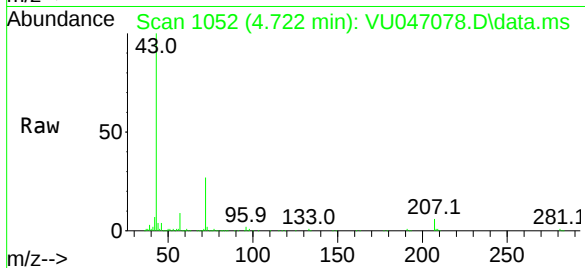




#22
2-Butanone
Concen: 114.661 ug/L
RT: 4.722 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

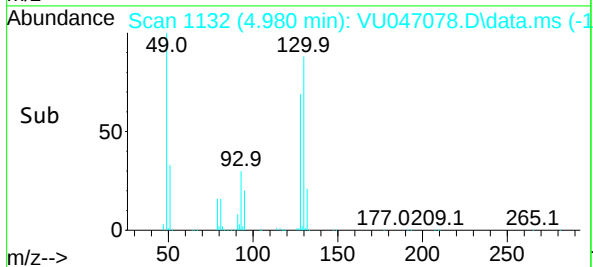
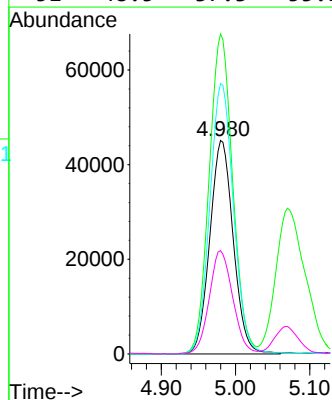
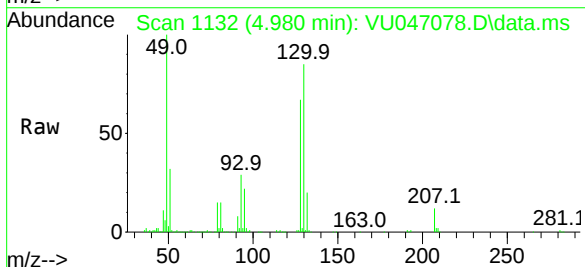
Instrument :
MSVOA_U
ClientSampleId :

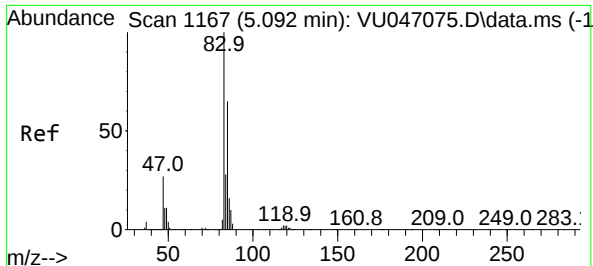
Tgt Ion: 43 Resp: 416048
Ion Ratio Lower Upper
43 100
72 28.8 15.6 46.8



#23
Bromochloromethane
Concen: 46.903 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion: 128 Resp: 99071
Ion Ratio Lower Upper
128 100
49 150.0 105.4 195.8
130 126.8 88.7 164.7
51 48.5 37.3 55.9





#25

Chloroform

Concen: 46.081 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

Instrument :

MSVOA_U

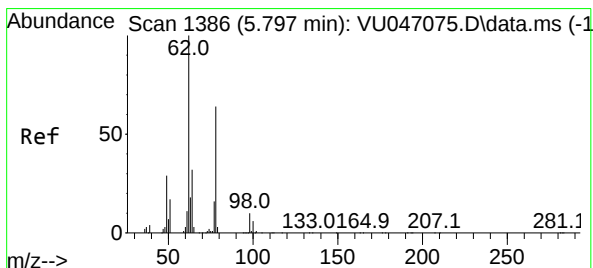
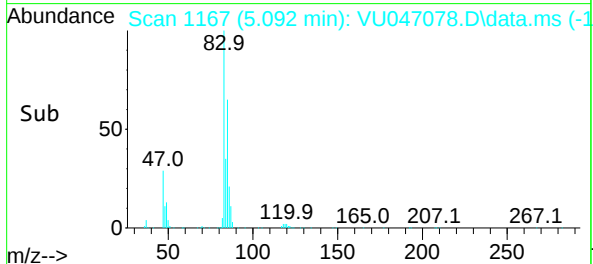
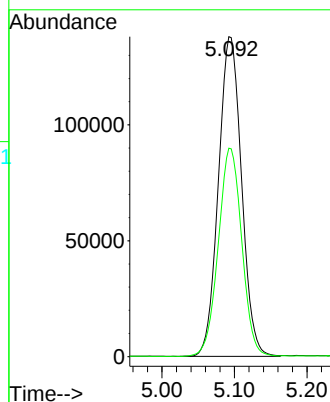
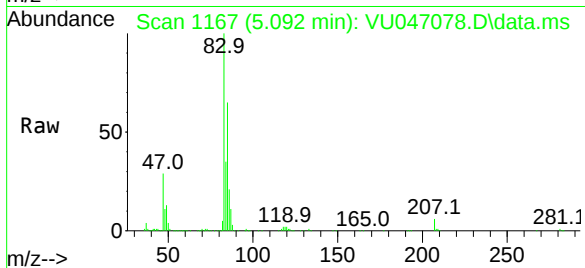
ClientSampleId :

Tgt Ion: 83 Resp: 305255

Ion Ratio Lower Upper

83 100

85 65.1 45.7 84.9



#27

1,2-Dichloroethane

Concen: 46.409 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VU047078.D

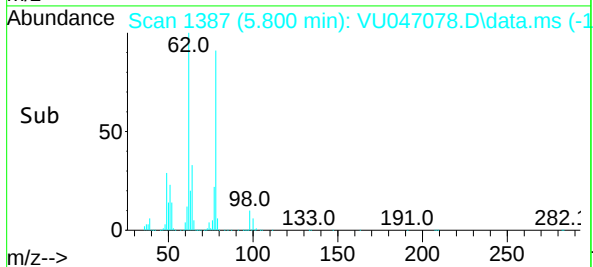
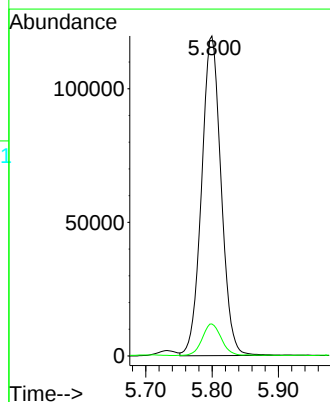
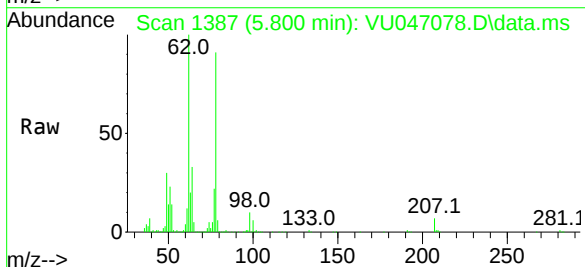
Acq: 10 Feb 2022 16:49

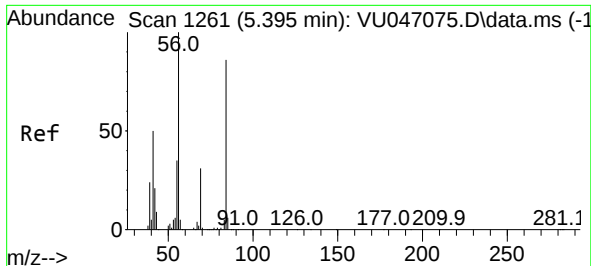
Tgt Ion: 62 Resp: 244278

Ion Ratio Lower Upper

62 100

98 10.0 7.7 11.5





#29

Cyclohexane

Concen: 46.288 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

Instrument :

MSVOA_U

ClientSampleId :

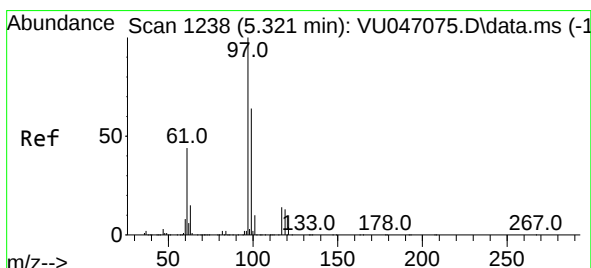
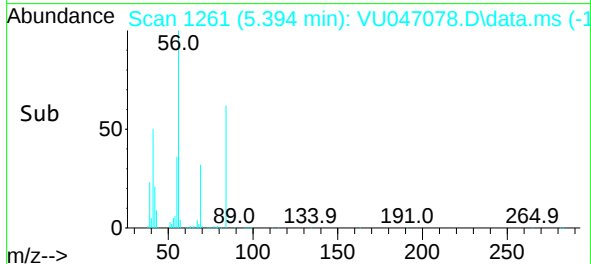
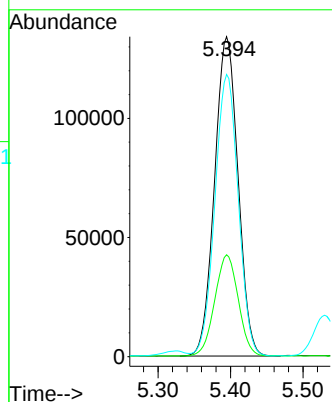
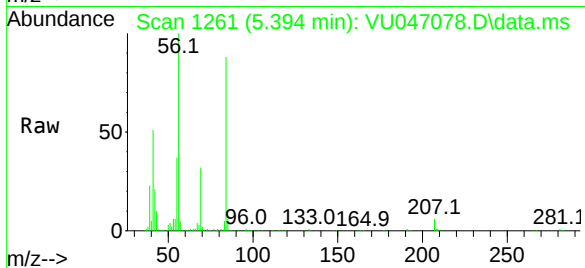
Tgt Ion: 56 Resp: 301592

Ion Ratio Lower Upper

56 100

69 31.7 25.8 38.6

84 87.8 74.2 111.2



#30

1,1,1-Trichloroethane

Concen: 46.230 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

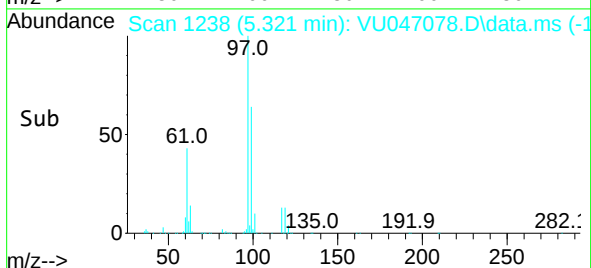
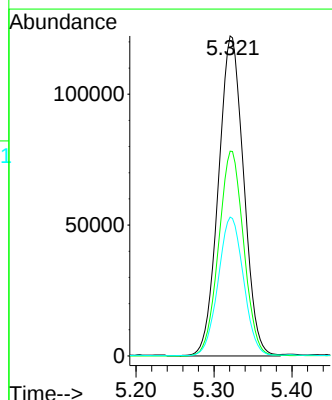
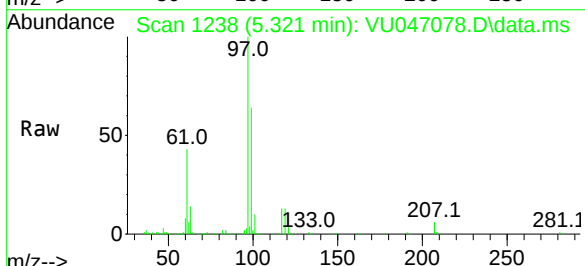
Tgt Ion: 97 Resp: 275287

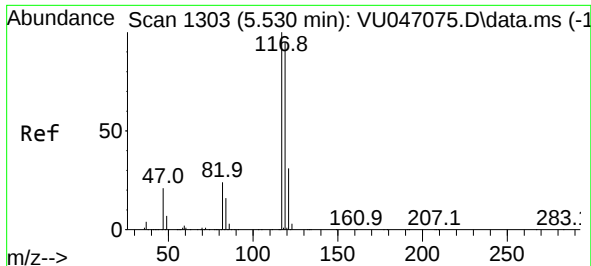
Ion Ratio Lower Upper

97 100

99 63.4 51.1 76.7

61 43.2 34.1 51.1

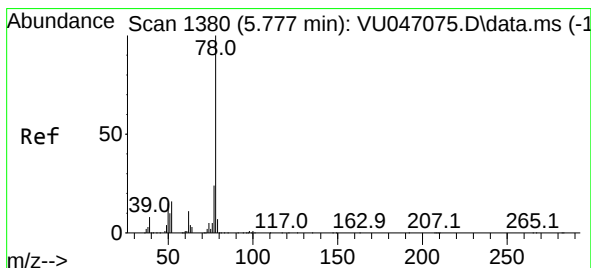
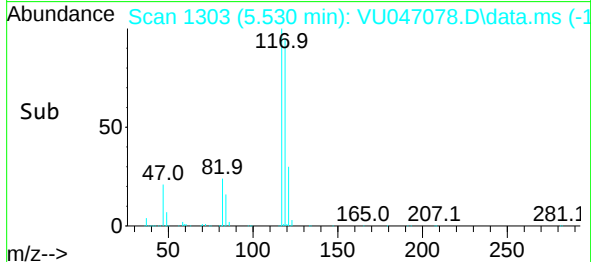
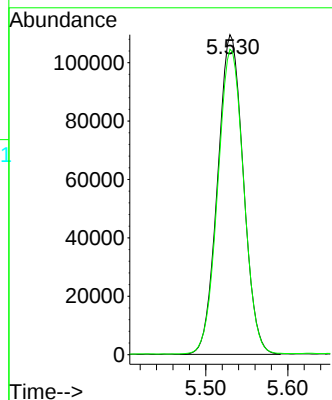
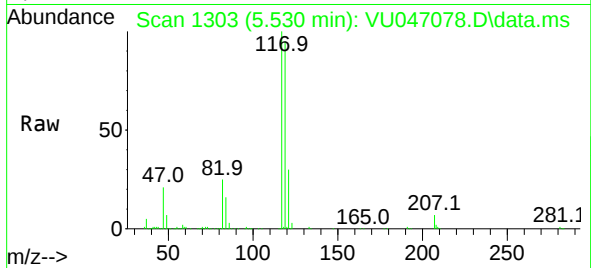




#31
Carbon tetrachloride
Concen: 46.155 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

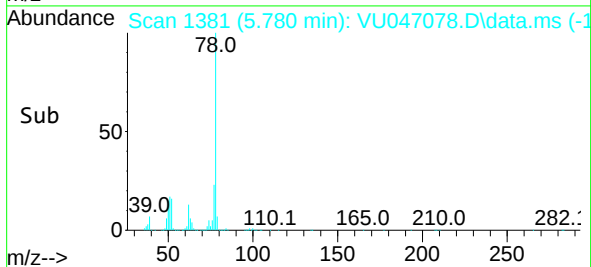
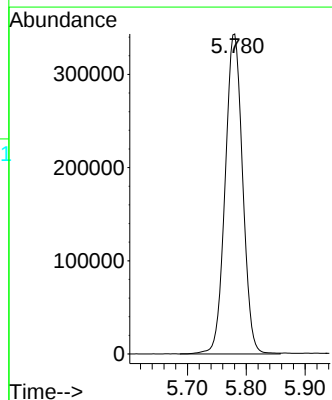
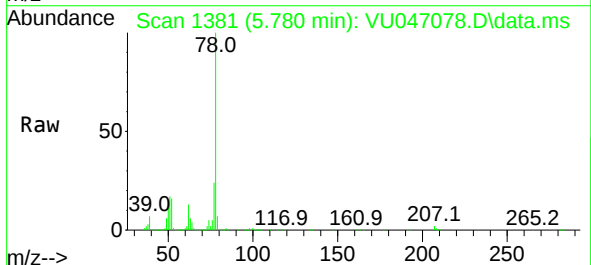
Instrument :
MSVOA_U
ClientSampleId :

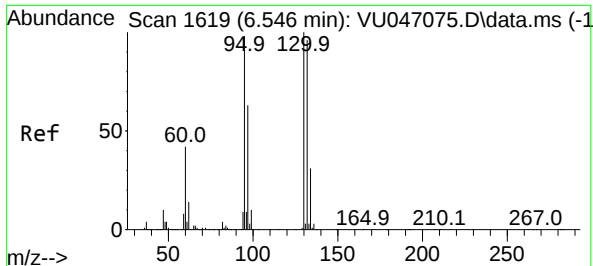
Tgt Ion:117 Resp: 238297
Ion Ratio Lower Upper
117 100
119 96.2 77.5 116.3



#33
Benzene
Concen: 45.757 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

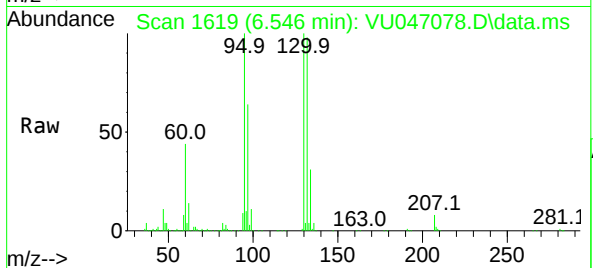
Tgt Ion: 78 Resp: 709502



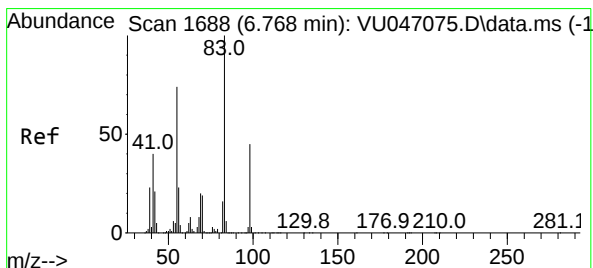
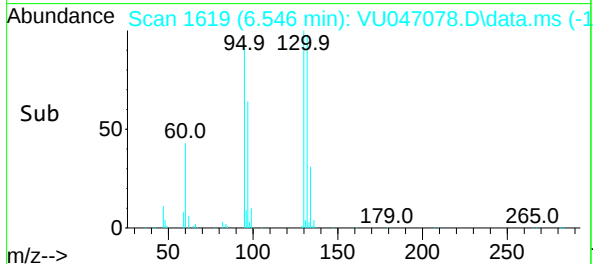
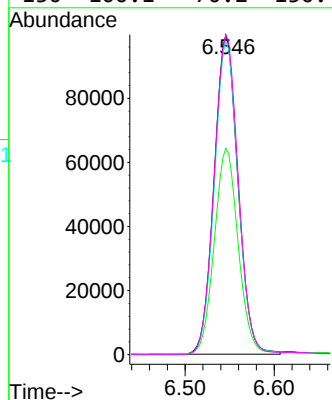


#34
Trichloroethene
Concen: 45.945 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Instrument :
MSVOA_U
ClientSampleId :

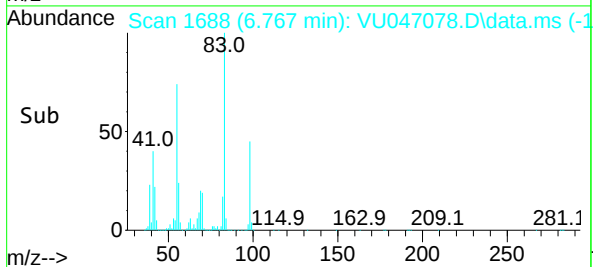
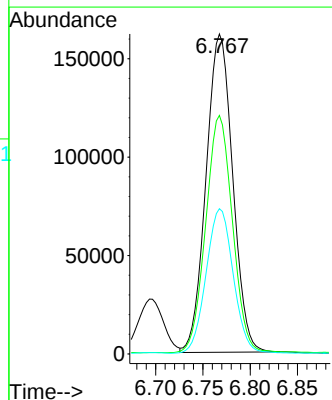
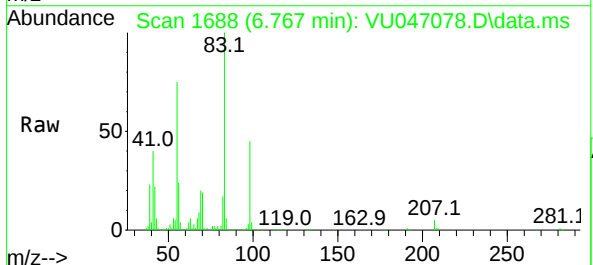


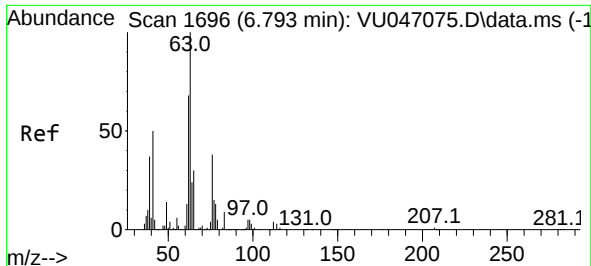
Tgt Ion: 95 Resp: 185061
Ion Ratio Lower Upper
95 100
97 64.6 45.1 83.7
132 98.0 66.7 123.9
130 100.1 70.2 130.4



#35
Methylcyclohexane
Concen: 46.957 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion: 83 Resp: 317349
Ion Ratio Lower Upper
83 100
55 74.7 56.6 85.0
98 46.3 38.4 57.6

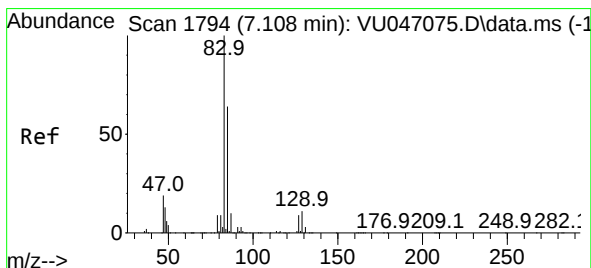
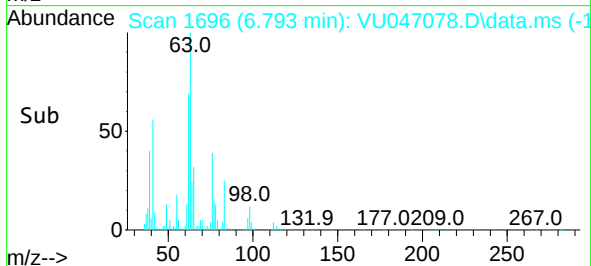
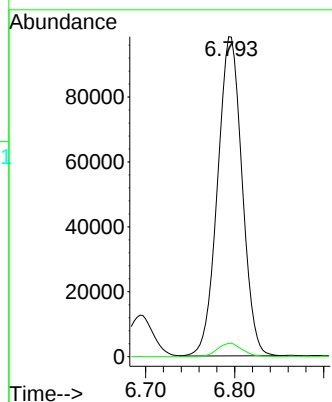
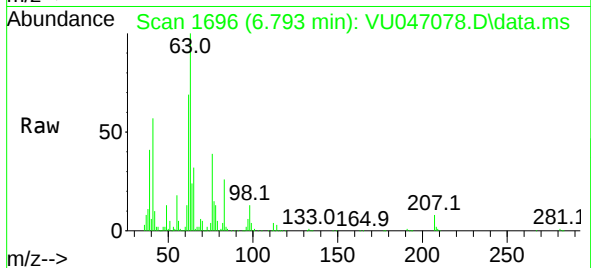




#37
1,2-Dichloropropane
Concen: 45.362 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

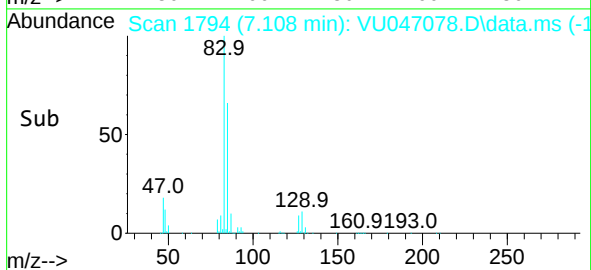
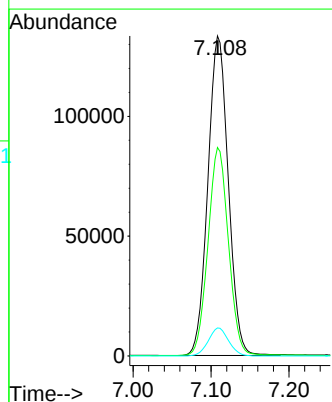
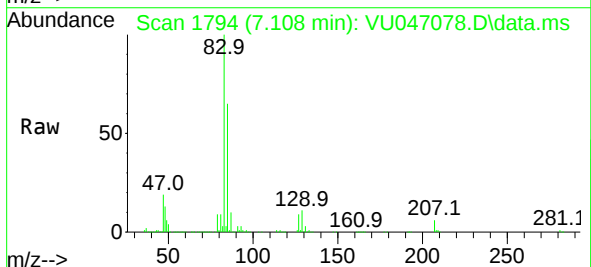
Instrument :
MSVOA_U
ClientSampleId :

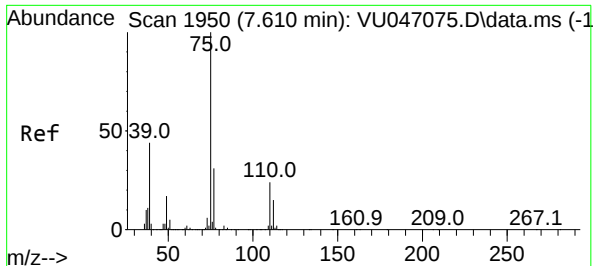
Tgt Ion: 63 Resp: 188411
Ion Ratio Lower Upper
63 100
112 4.3 3.7 5.5



#38
Bromodichloromethane
Concen: 45.882 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion: 83 Resp: 242896
Ion Ratio Lower Upper
83 100
85 65.1 45.0 83.6
127 8.8 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 45.678 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

Instrument :

MSVOA_U

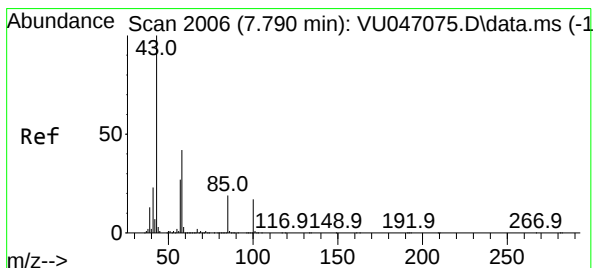
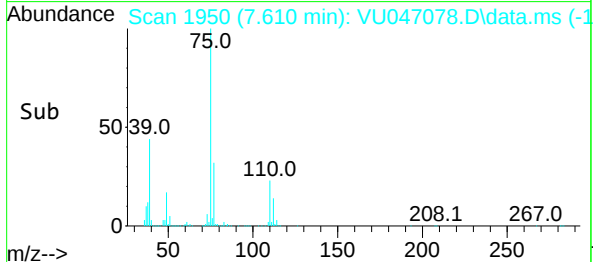
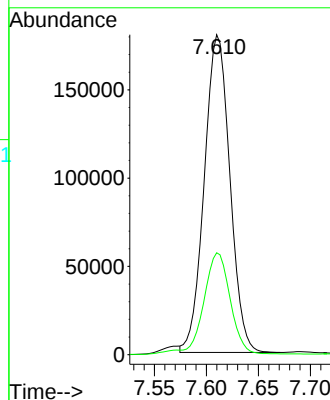
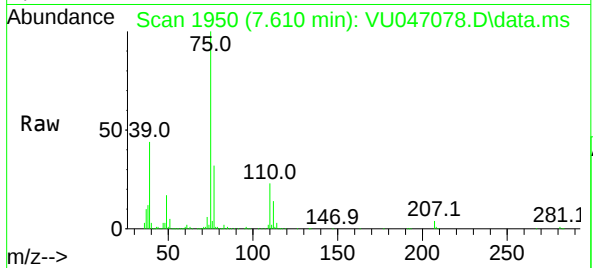
ClientSampleId :

Tgt Ion: 75 Resp: 308346

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 100.743 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

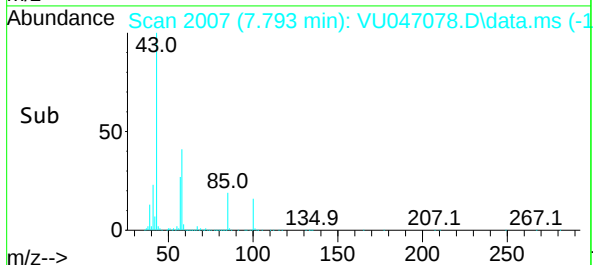
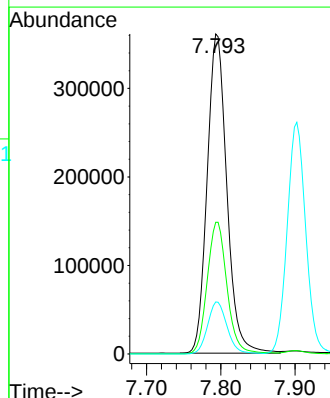
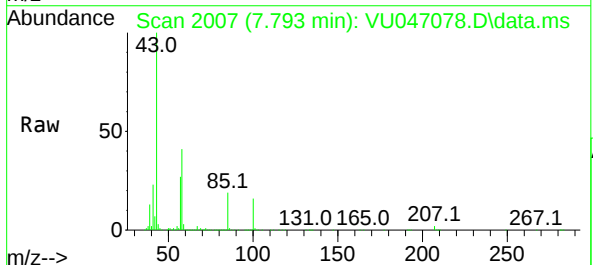
Tgt Ion: 43 Resp: 662624

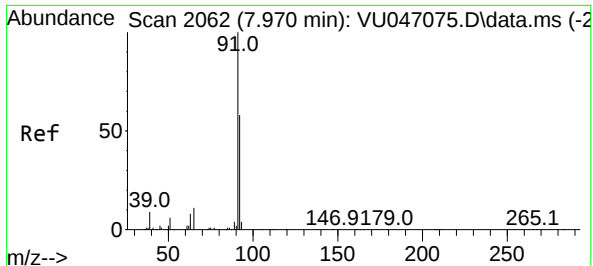
Ion Ratio Lower Upper

43 100

58 41.6 35.8 53.8

100 16.2 15.7 23.5

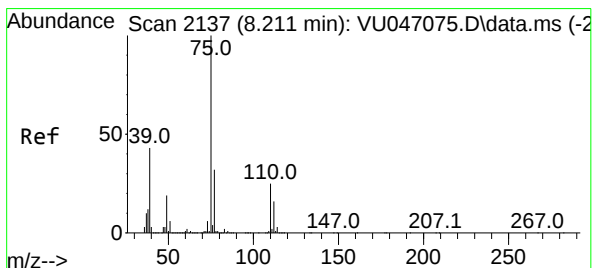
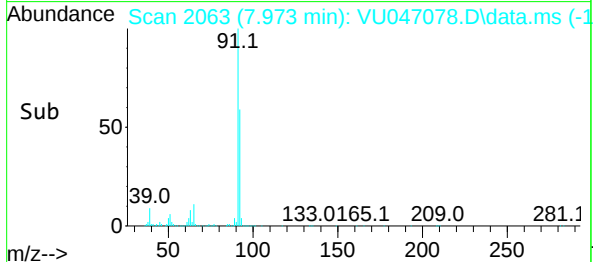
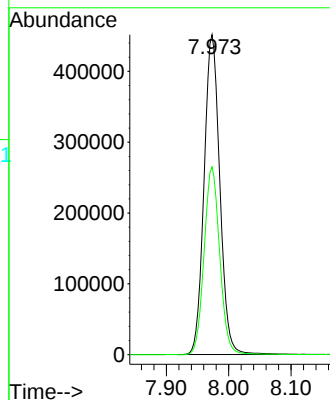
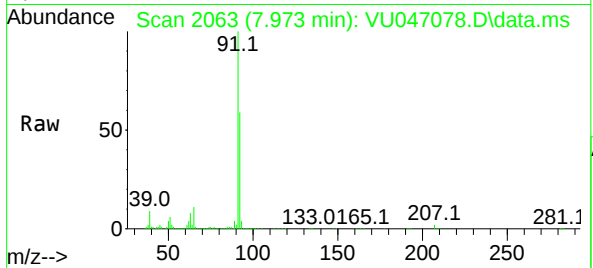




#42
Toluene
Concen: 46.628 ug/L
RT: 7.973 min Scan# 2062
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

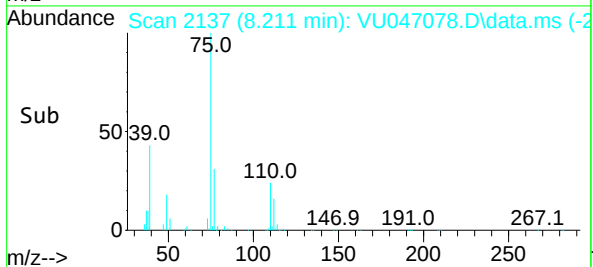
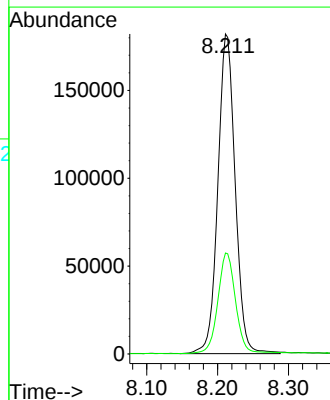
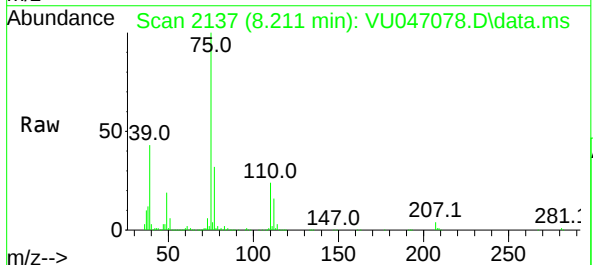
Instrument :
MSVOA_U
ClientSampleId :

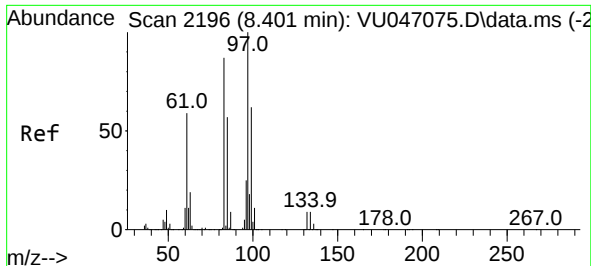
Tgt Ion: 91 Resp: 794147
Ion Ratio Lower Upper
91 100
92 58.7 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 47.540 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

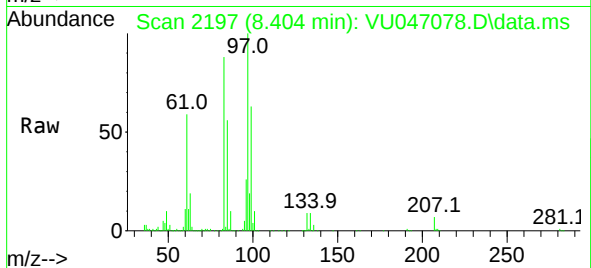
Tgt Ion: 75 Resp: 308346
Ion Ratio Lower Upper
75 100
77 31.5 23.0 42.8



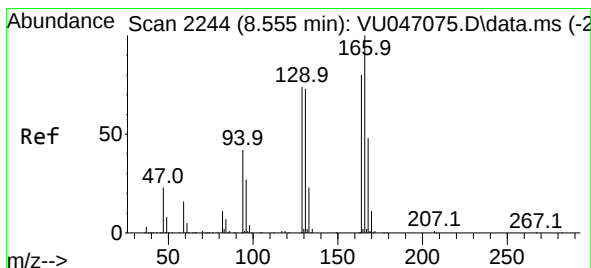
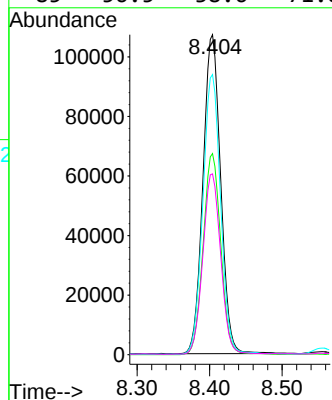
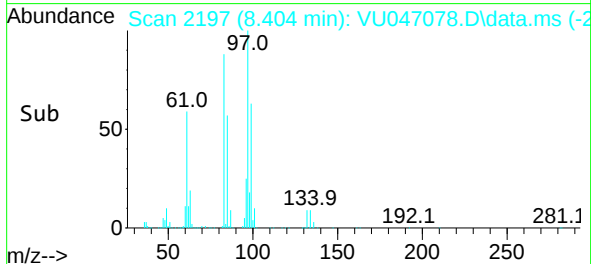


#45
1,1,2-Trichloroethane
Concen: 46.434 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

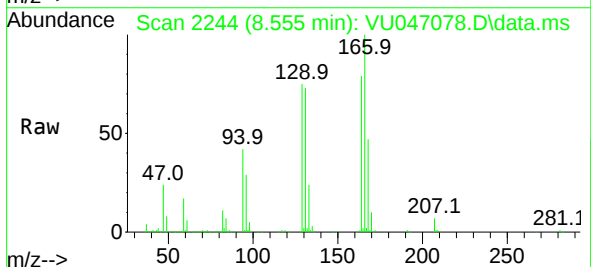
Instrument :
MSVOA_U
ClientSampleId :



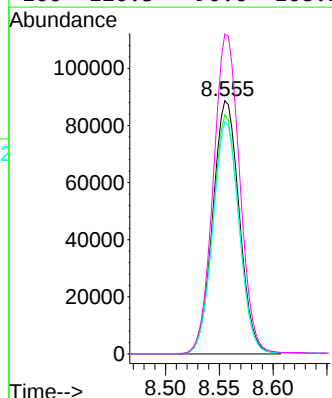
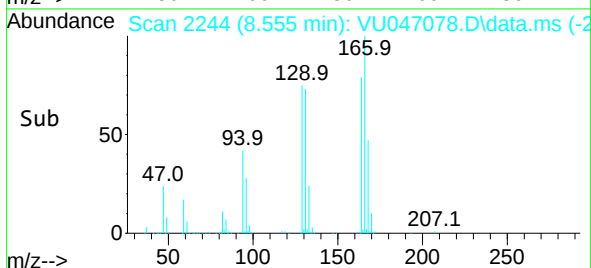
Tgt Ion: 97 Resp: 181651
Ion Ratio Lower Upper
97 100
99 62.8 42.4 78.8
83 87.6 59.4 110.4
85 56.5 38.6 71.8

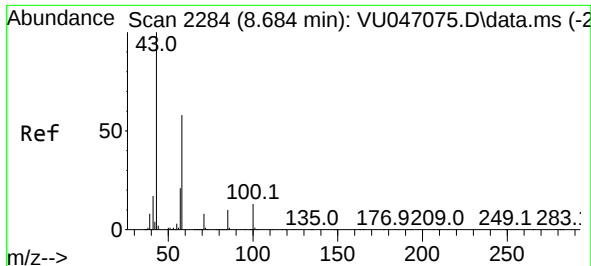


#46
Tetrachloroethene
Concen: 46.942 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49



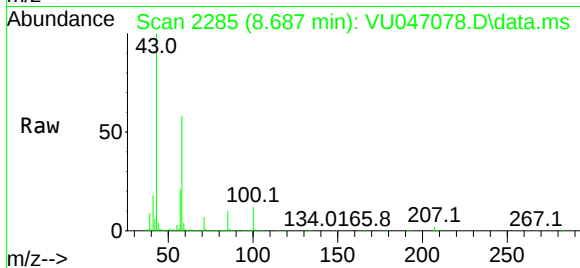
Tgt Ion: 164 Resp: 152099
Ion Ratio Lower Upper
164 100
129 94.4 69.5 129.1
131 91.7 67.0 124.4
166 126.3 90.6 168.2



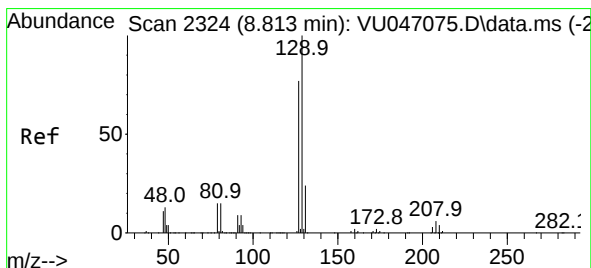
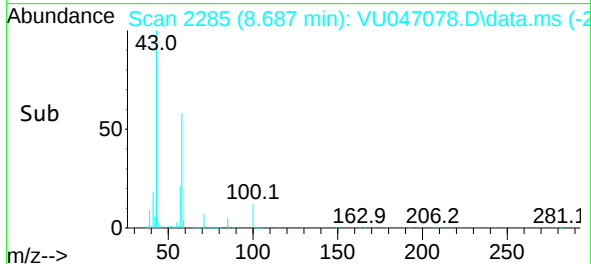
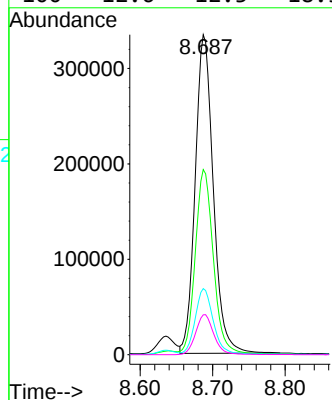


#48
2-Hexanone
Concen: 106.565 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Instrument :
MSVOA_U
ClientSampleId :

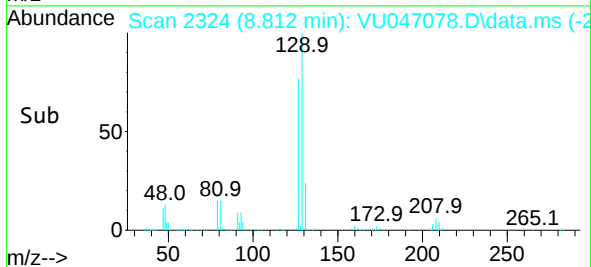
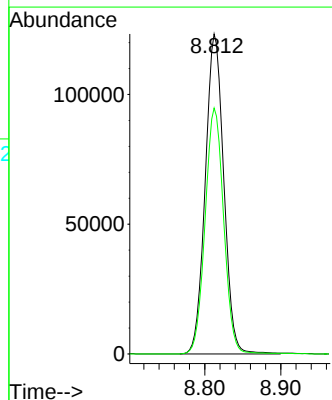
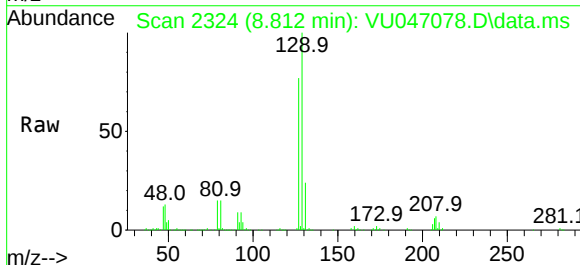


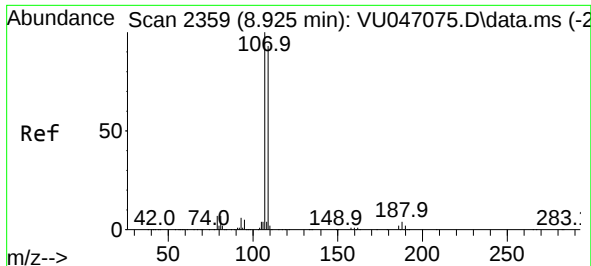
Tgt Ion: 43 Resp: 579648
Ion Ratio Lower Upper
43 100
58 58.5 49.4 74.2
57 20.2 17.5 26.3
100 12.6 12.3 18.5



#49
Dibromochloromethane
Concen: 46.052 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion: 129 Resp: 208430
Ion Ratio Lower Upper
129 100
127 76.8 54.5 101.3





#50

1,2-Dibromoethane

Concen: 46.650 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

Instrument :

MSVOA_U

ClientSampleId :

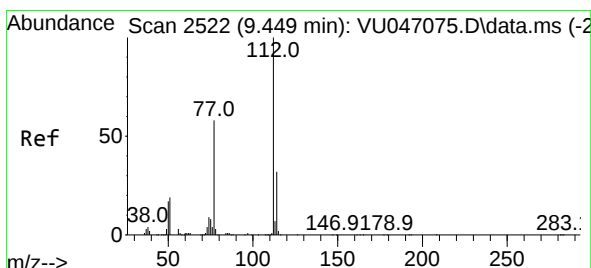
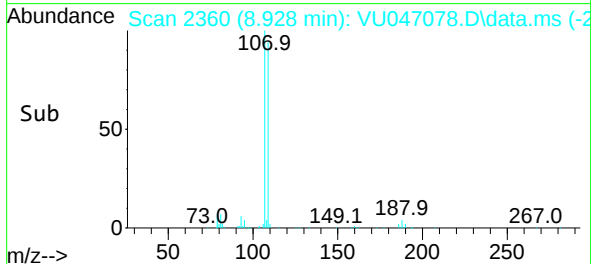
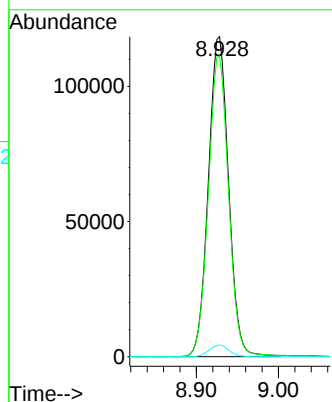
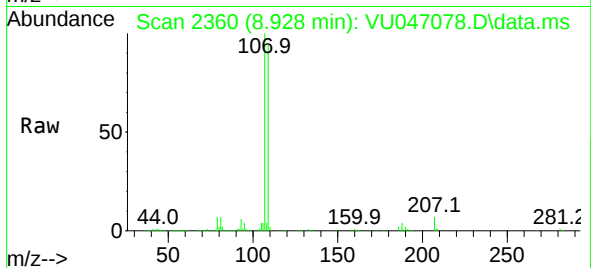
Tgt Ion:107 Resp: 202717

Ion Ratio Lower Upper

107 100

109 93.9 65.6 121.8

188 3.7 3.1 4.7



#51

Chlorobenzene

Concen: 46.516 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

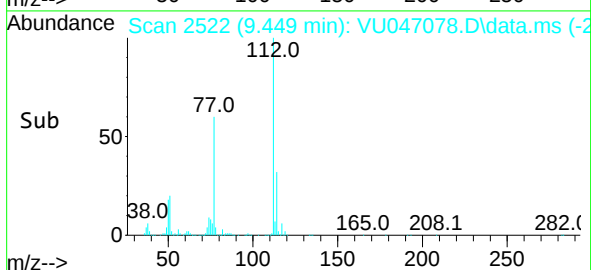
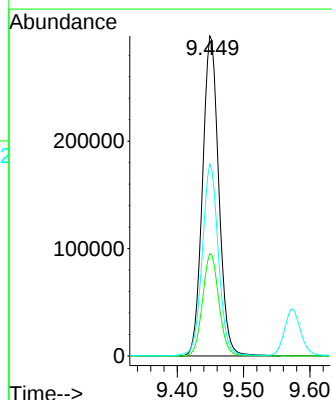
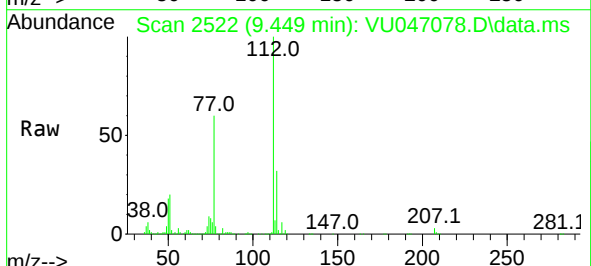
Tgt Ion:112 Resp: 507979

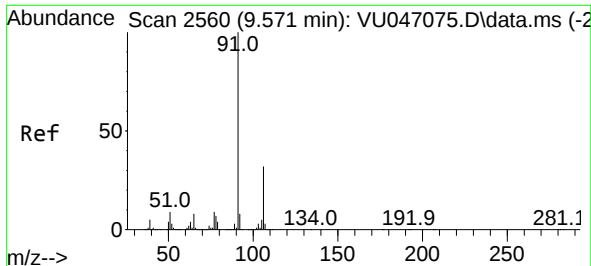
Ion Ratio Lower Upper

112 100

114 32.0 22.1 41.1

77 60.0 46.5 69.7

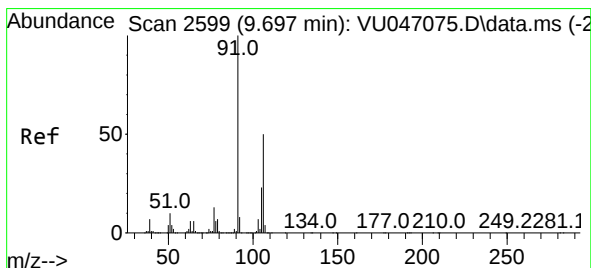
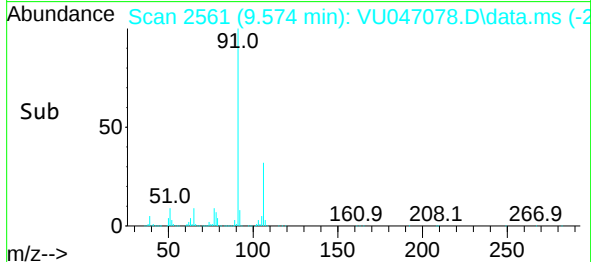
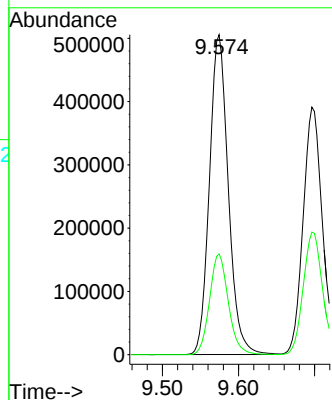
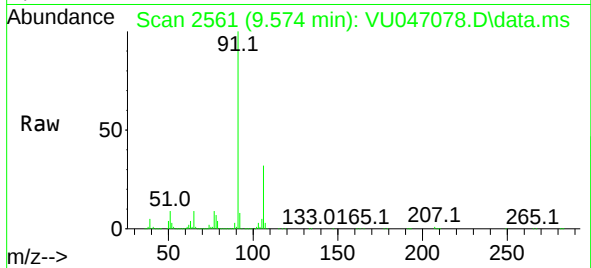




#52
Ethylbenzene
Concen: 46.724 ug/L
RT: 9.574 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

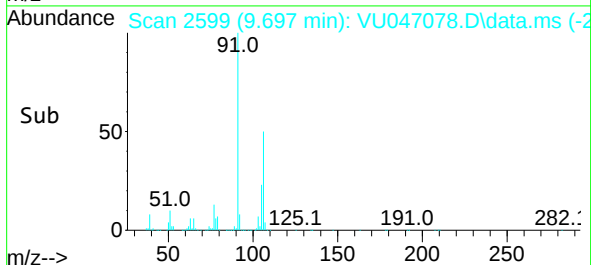
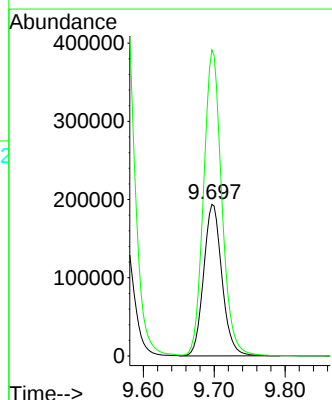
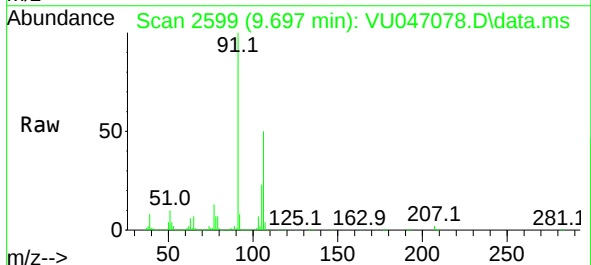
Instrument :
MSVOA_U
ClientSampleId :

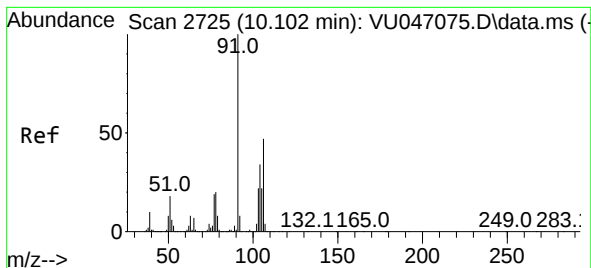
Tgt Ion: 91 Resp: 870924
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.4



#53
m,p-Xylene
Concen: 46.941 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion: 106 Resp: 347151
Ion Ratio Lower Upper
106 100
91 201.9 145.5 270.1





#54

o-xylene

Concen: 46.457 ug/L

RT: 10.105 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

Instrument :

MSVOA_U

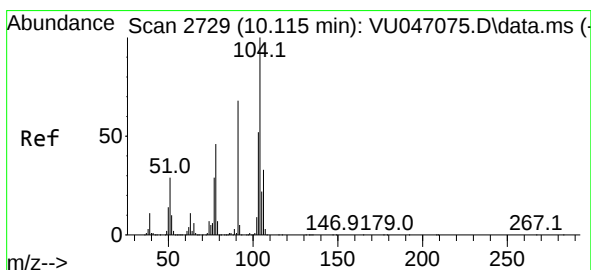
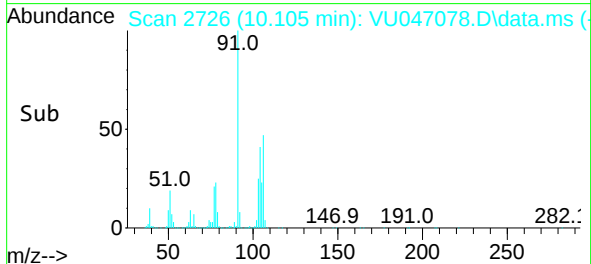
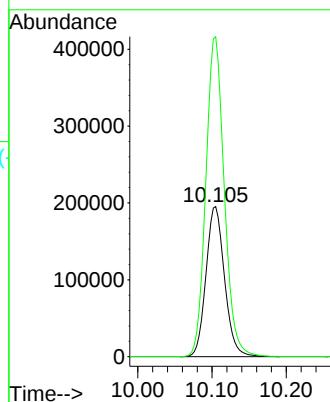
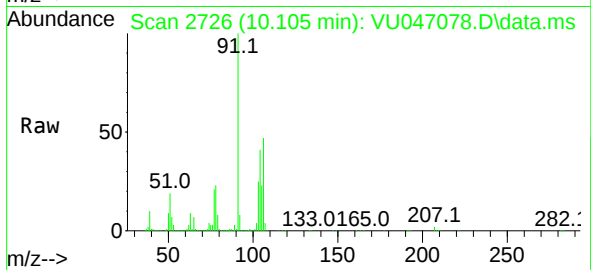
ClientSampleId :

Tgt Ion:106 Resp: 338276

Ion Ratio Lower Upper

106 100

91 213.2 152.0 282.2



#55

Styrene

Concen: 46.753 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.003 min

Lab File: VU047078.D

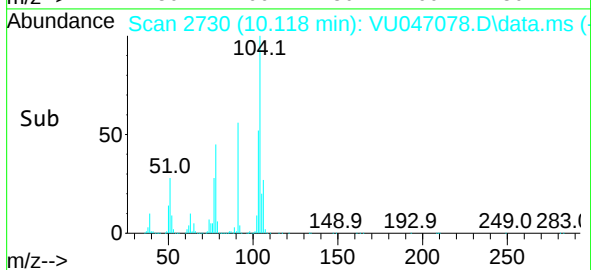
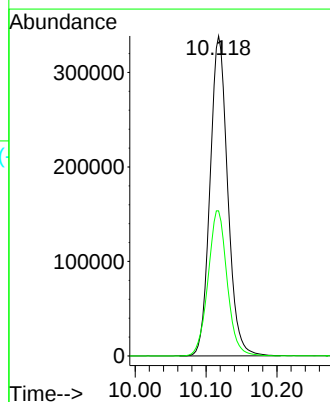
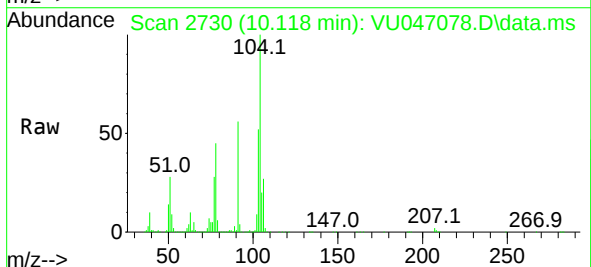
Acq: 10 Feb 2022 16:49

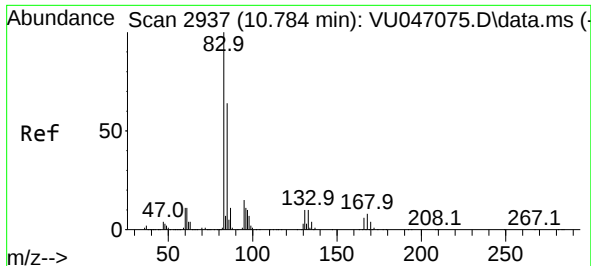
Tgt Ion:104 Resp: 585778

Ion Ratio Lower Upper

104 100

78 45.4 32.6 60.6

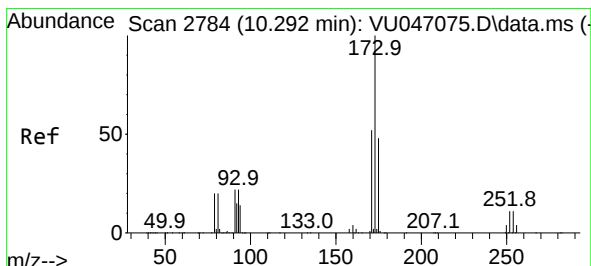
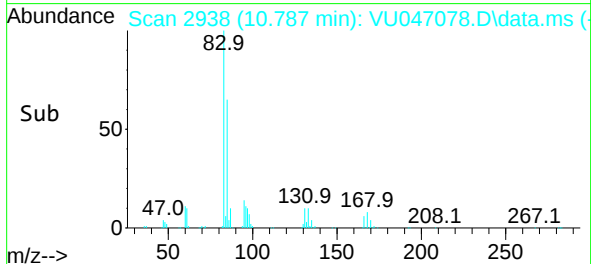
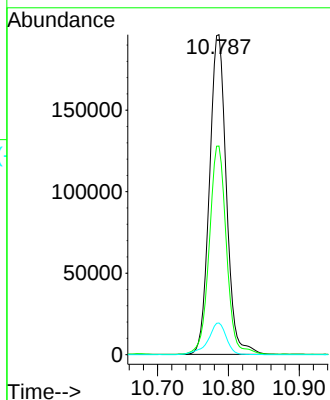
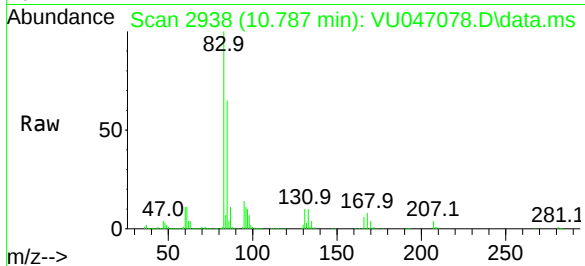




#57
1,1,2,2-Tetrachloroethane
Concen: 47.145 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

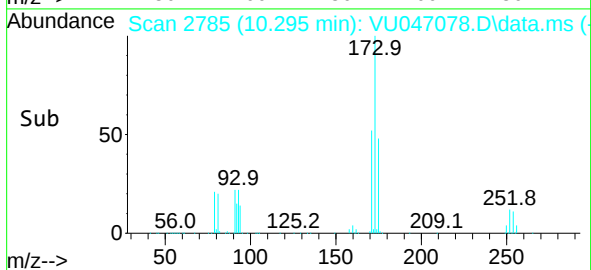
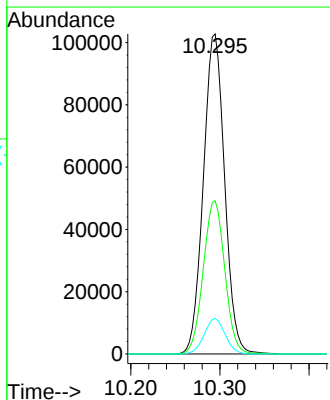
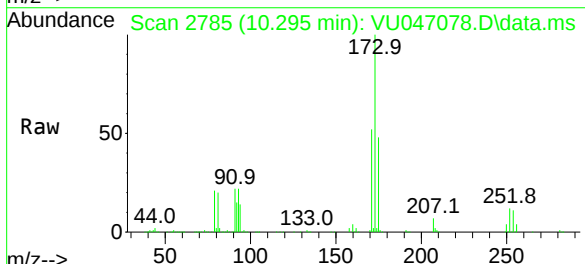
Instrument :
MSVOA_U
ClientSampleId :

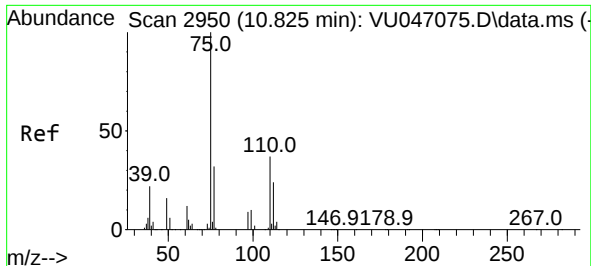
Tgt Ion: 83 Resp: 325138
Ion Ratio Lower Upper
83 100
85 65.2 44.7 83.1
131 9.9 7.8 11.6



#59
Bromoform
Concen: 47.036 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.003 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

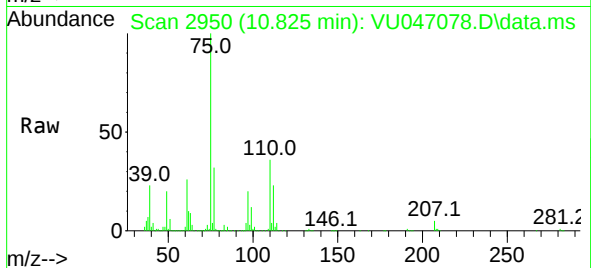
Tgt Ion: 173 Resp: 170382
Ion Ratio Lower Upper
173 100
175 48.5 37.6 56.4
254 10.9 8.1 12.1



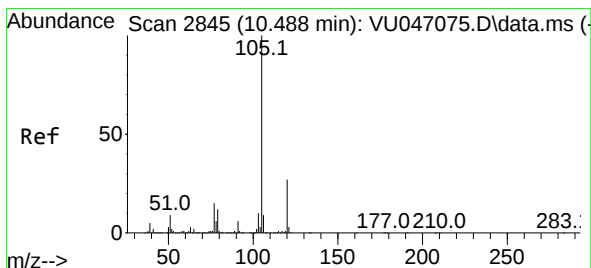
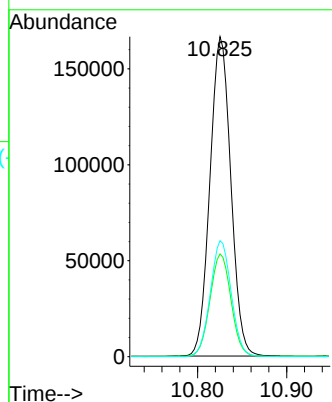
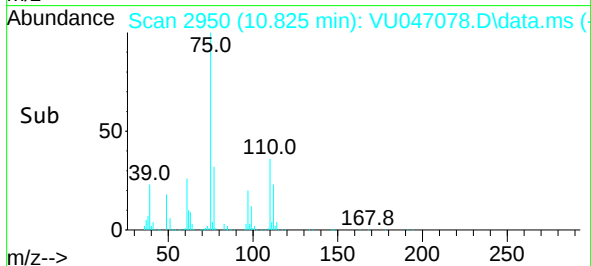


#60
1,2,3-Trichloropropane
Concen: 47.583 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

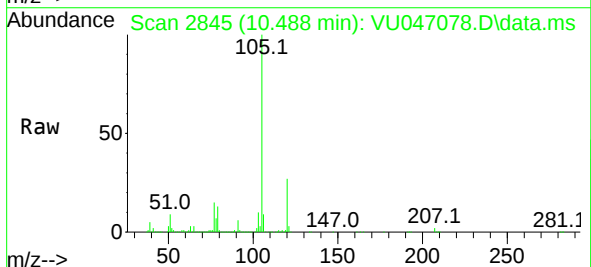
Instrument :
MSVOA_U
ClientSampleId :



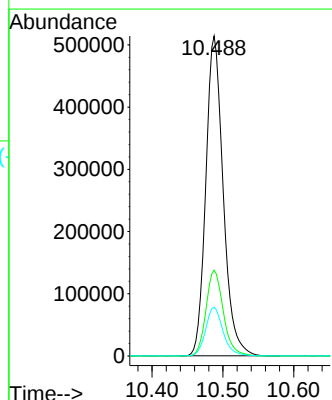
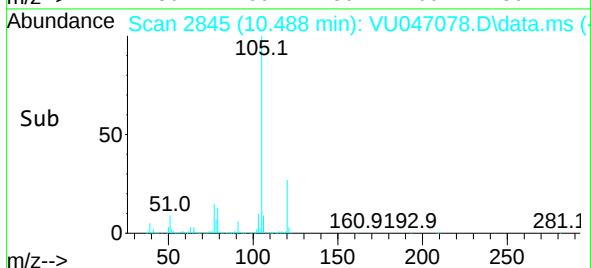
Tgt Ion: 75 Resp: 270647
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
110 36.5 32.5 48.7

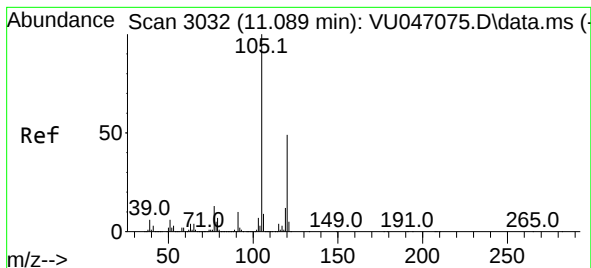


#61
Isopropylbenzene
Concen: 46.667 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49



Tgt Ion: 105 Resp: 875310
Ion Ratio Lower Upper
105 100
120 26.8 20.6 31.0
77 15.2 12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 46.658 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

Instrument :

MSVOA_U

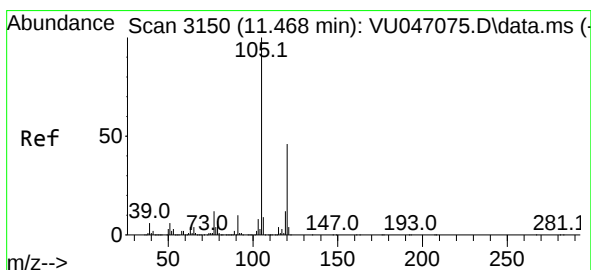
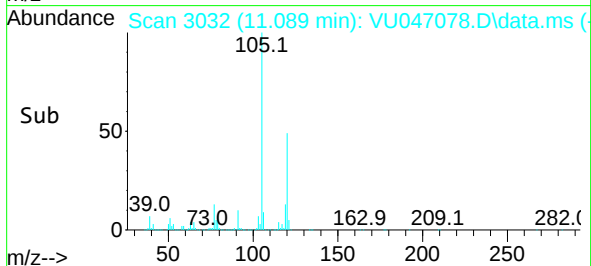
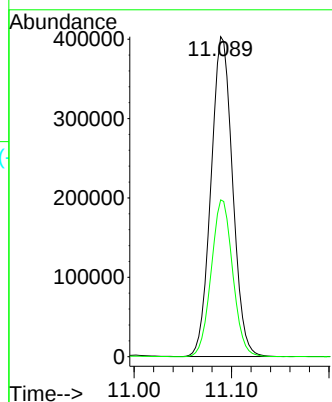
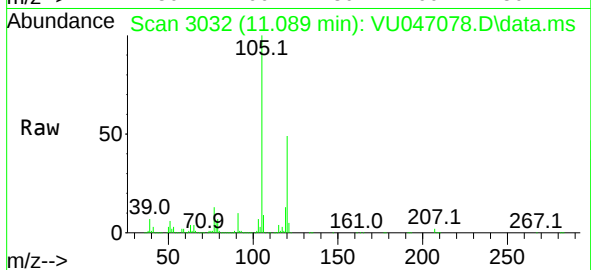
ClientSampleId :

Tgt Ion:105 Resp: 620229

Ion Ratio Lower Upper

105 100

120 48.8 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 46.949 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU047078.D

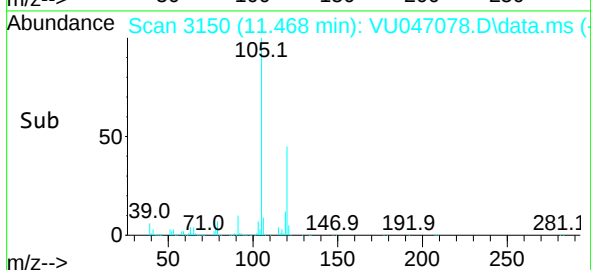
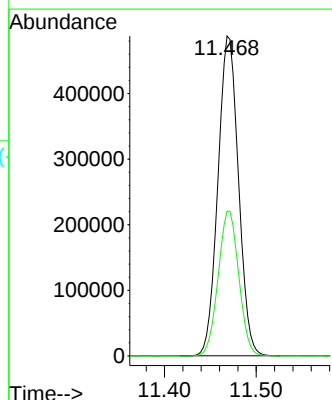
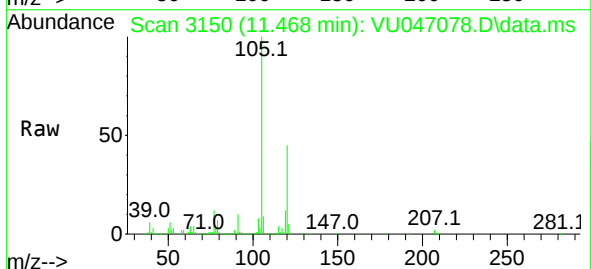
Acq: 10 Feb 2022 16:49

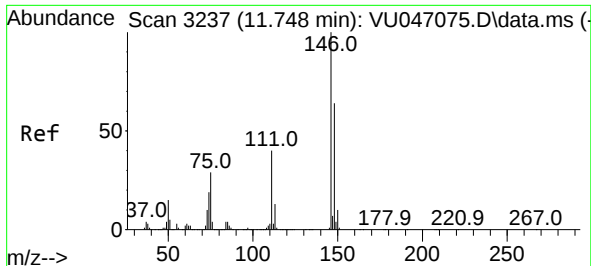
Tgt Ion:105 Resp: 757731

Ion Ratio Lower Upper

105 100

120 45.6 35.4 53.2

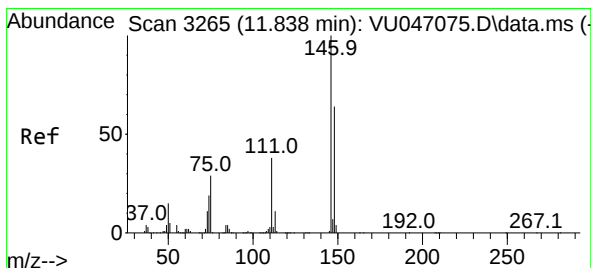
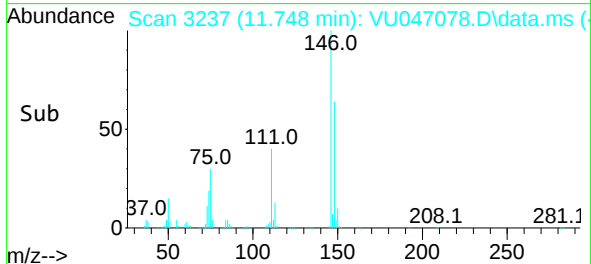
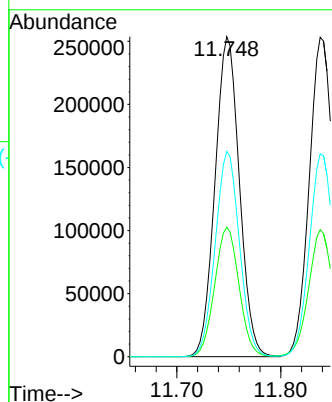
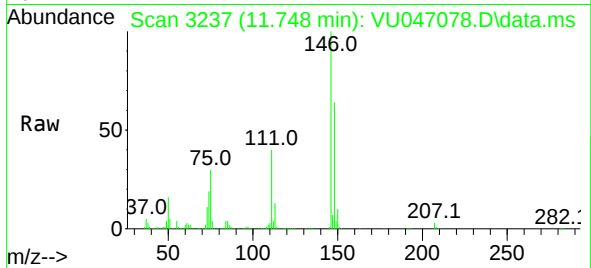




#64
1,3-Dichlorobenzene
Concen: 47.256 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

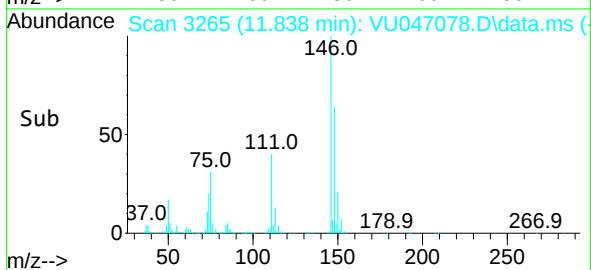
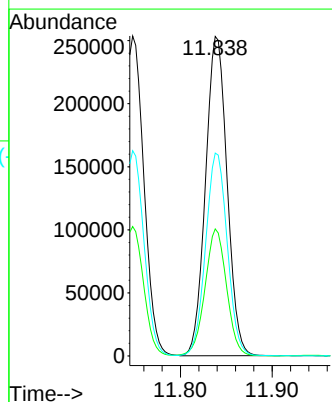
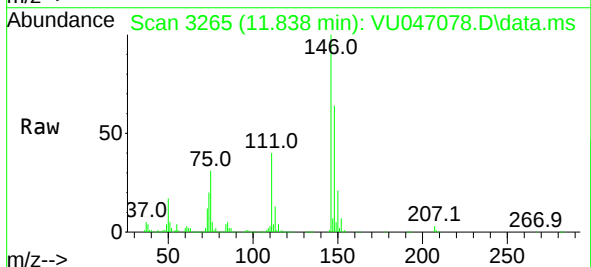
Instrument :
MSVOA_U
ClientSampleId :

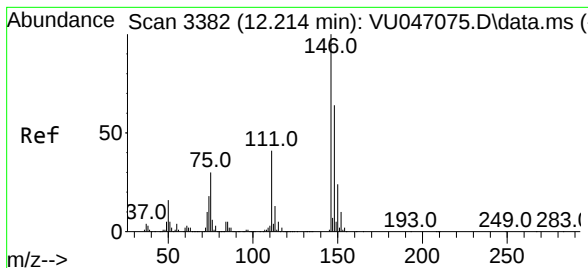
Tgt Ion:146 Resp: 413579
Ion Ratio Lower Upper
146 100
111 40.5 29.4 54.6
148 64.1 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 46.990 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion:146 Resp: 413405
Ion Ratio Lower Upper
146 100
111 39.8 28.9 53.7
148 63.5 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 46.355 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

Instrument :

MSVOA_U

ClientSampleId :

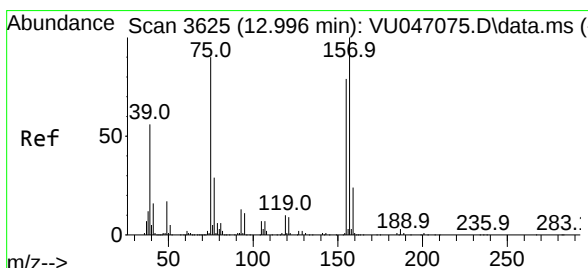
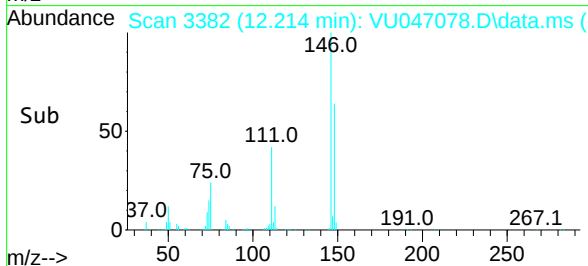
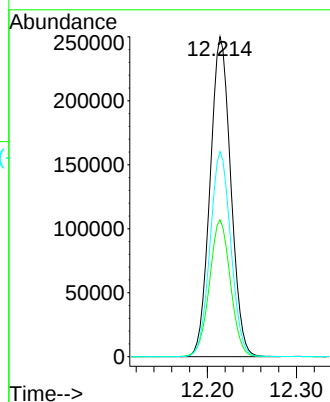
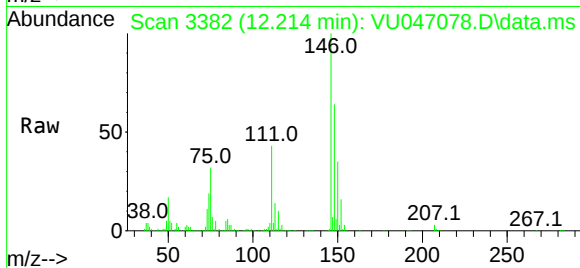
Tgt Ion:146 Resp: 403732

Ion Ratio Lower Upper

146 100

111 42.7 34.2 51.4

148 64.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 48.352 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU047078.D

Acq: 10 Feb 2022 16:49

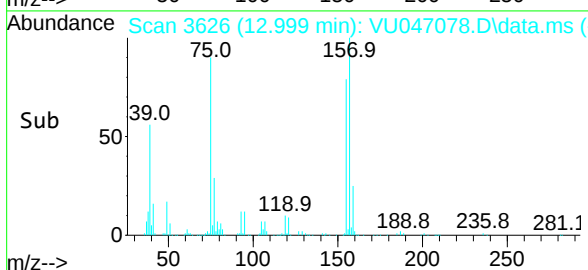
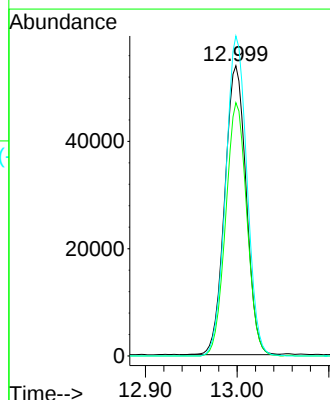
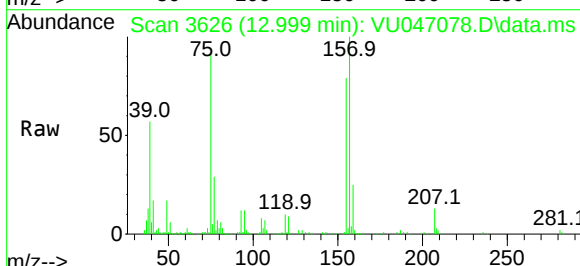
Tgt Ion: 75 Resp: 87620

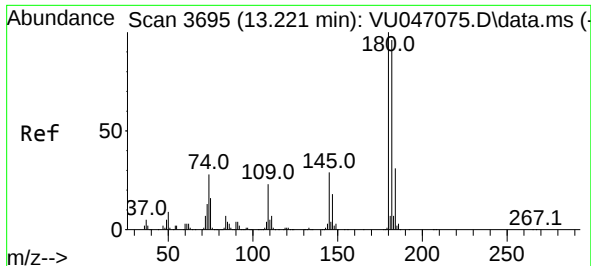
Ion Ratio Lower Upper

75 100

155 87.3 65.0 97.4

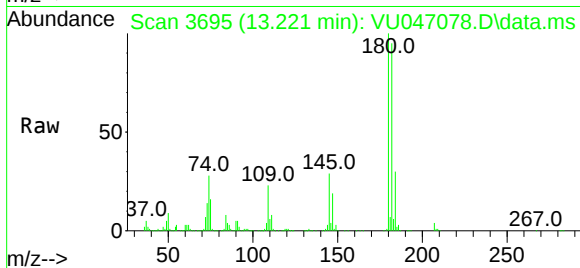
157 110.3 79.7 119.5



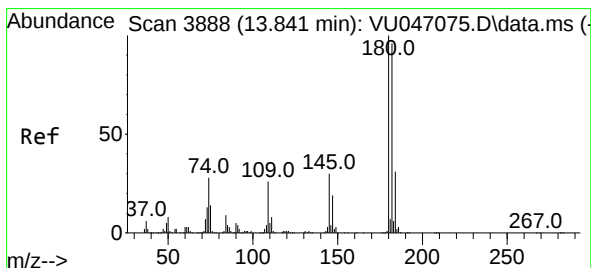
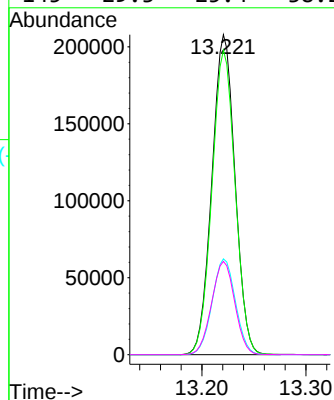
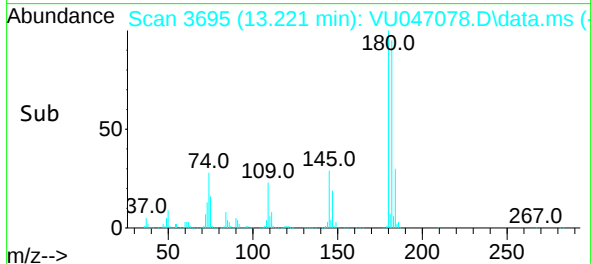


#69
 1,3,5-Trichlorobenzene
 Concen: 47.370 ug/L
 RT: 13.221 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VU047078.D
 Acq: 10 Feb 2022 16:49

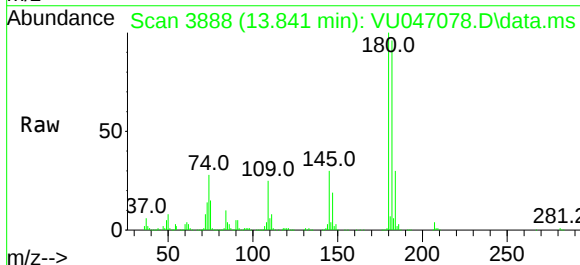
Instrument :
 MSVOA_U
 ClientSampleId :



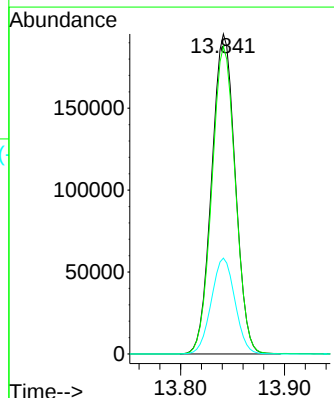
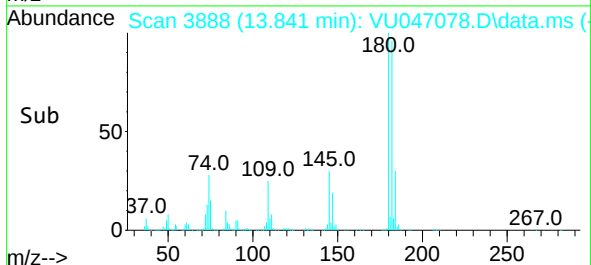
Tgt Ion:180 Resp: 320613
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.6
 184 30.2 24.7 37.1
 145 29.3 25.4 38.2

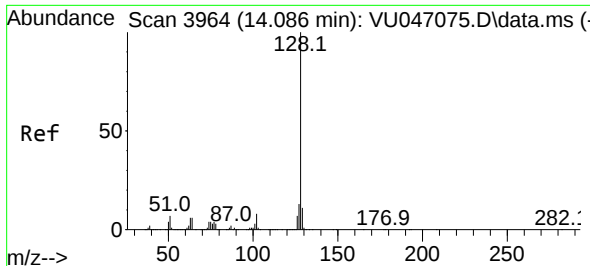


#70
 1,2,4-trichlorobenzene
 Concen: 47.908 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU047078.D
 Acq: 10 Feb 2022 16:49



Tgt Ion:180 Resp: 307369
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.6 114.8
 145 30.1 25.2 37.8

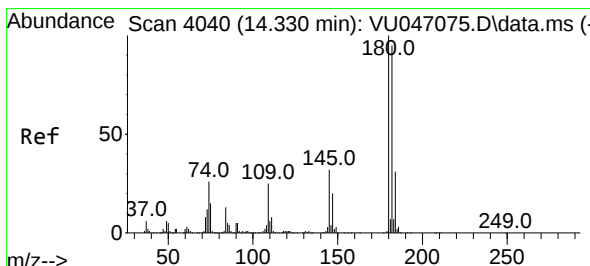
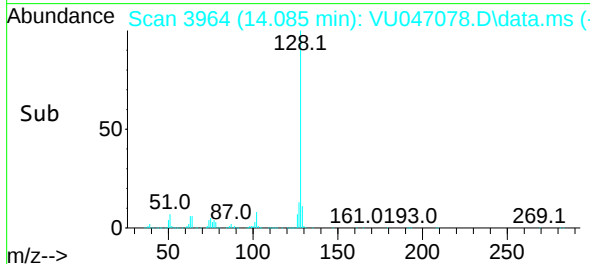
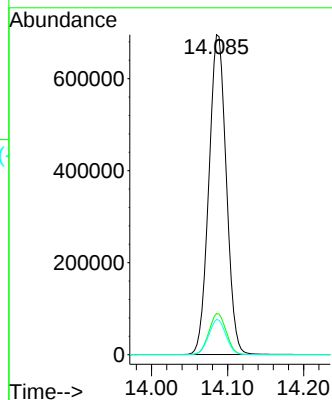
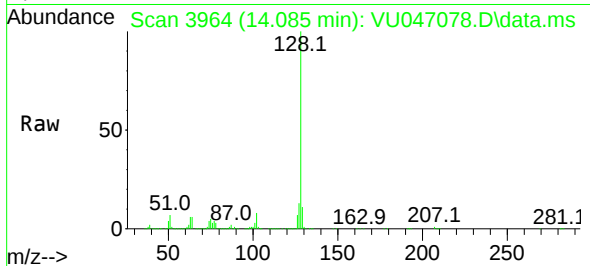




#71
Naphthalene
Concen: 48.645 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 1104924
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 47.512 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047078.D
Acq: 10 Feb 2022 16:49

Tgt Ion:180 Resp: 303522
Ion Ratio Lower Upper
180 100
182 95.4 76.6 115.0
145 32.0 27.4 41.2

