

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046163.D
 Acq On : 08 Dec 2021 10:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 03:18:36 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	223557	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	219583	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	119004	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	79697	43.277	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.560%
7) Chloroethane-d5	1.919	69	60410	42.725	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.460%
11) 1,1-Dichloroethene-d2	2.575	63	144555	43.726	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.460%
21) 2-Butanone-d5	4.642	46	137737	94.086	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.090%
24) Chloroform-d	5.070	84	142685	46.397	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.707	65	93690	45.395	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.800%
32) Benzene-d6	5.732	84	301327	47.878	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.760%
36) 1,2-Dichloropropane-d6	6.694	67	92037	47.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.380%
41) Toluene-d8	7.903	98	282942	49.376	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.760%
43) trans-1,3-Dichloroprop...	8.182	79	48188	51.178	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.360%
47) 2-Hexanone-d5	8.636	63	98490	106.498	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.500%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	143679	48.573	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.140%
66) 1,2-Dichlorobenzene-d4	12.195	152	112379	49.035	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	100605	41.363	ug/L	99
3) Chloromethane	1.523	50	88322	40.599	ug/L	100
5) Vinyl chloride	1.607	62	95841	43.692	ug/L	100
6) Bromomethane	1.864	94	57176	45.988	ug/L	99
8) Chloroethane	1.941	64	55330	43.565	ug/L	97
9) Trichlorofluoromethane	2.144	101	126413	44.141	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	79572	48.917	ug/L	96
12) 1,1-Dichloroethene	2.588	96	73400	47.484	ug/L	88
13) Acetone	2.662	43	149202	81.549	ug/L	97
14) Carbon disulfide	2.800	76	203390	42.410	ug/L	100
15) Methyl Acetate	2.961	43	100817	47.269	ug/L	98
16) Methylene chloride	3.051	84	86003	46.764	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	79664	48.699	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	265755	52.715	ug/L	100
19) 1,1-Dichloroethane	3.877	63	145912	49.058	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	89866	50.629	ug/L	99
22) 2-Butanone	4.719	43	174865	87.797	ug/L	97
23) Bromochloromethane	4.980	128	46019	51.334	ug/L	92
25) Chloroform	5.092	83	161544	48.884	ug/L	98

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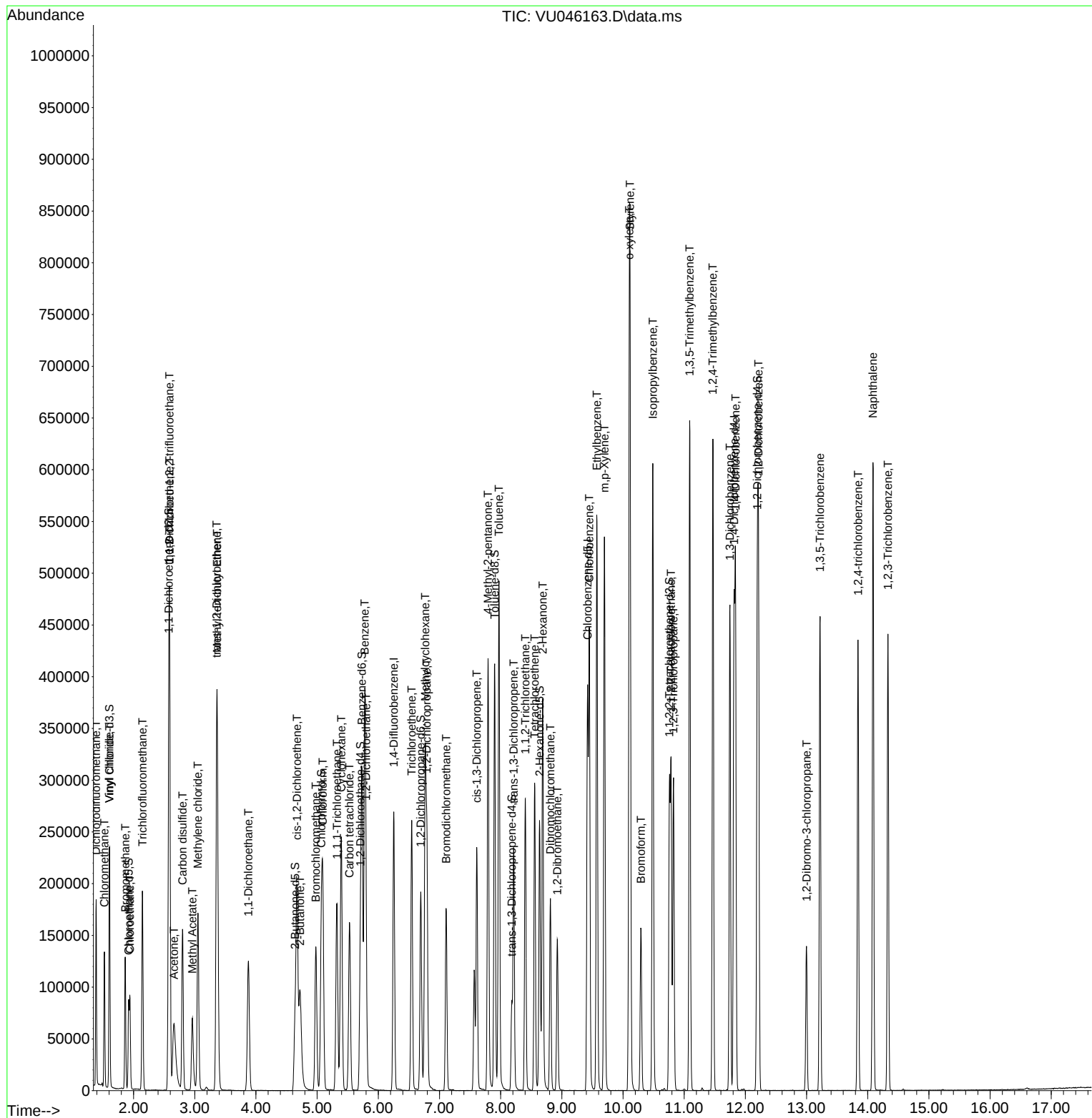
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	118344	48.259	ug/L	100
29) Cyclohexane	5.395	56	126968	49.657	ug/L	98
30) 1,1,1-Trichloroethane	5.324	97	134785	50.006	ug/L	99
31) Carbon tetrachloride	5.530	117	114285	49.944	ug/L	99
33) Benzene	5.777	78	332419	50.018	ug/L	100
34) Trichloroethene	6.546	95	89142	50.914	ug/L	99
35) Methylcyclohexane	6.768	83	134820	49.662	ug/L	99
37) 1,2-Dichloropropane	6.793	63	87984	50.538	ug/L	99
38) Bromodichloromethane	7.108	83	116143	50.191	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	142718	53.886	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	263109	102.862	ug/L	98
42) Toluene	7.973	91	370564	51.963	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	134943	51.876	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	91040	52.123	ug/L	98
46) Tetrachloroethene	8.555	164	67985	52.839	ug/L	98
48) 2-Hexanone	8.687	43	222289	97.172	ug/L	97
49) Dibromochloromethane	8.813	129	98092	53.481	ug/L	97
50) 1,2-Dibromoethane	8.925	107	99107	52.337	ug/L	100
51) Chlorobenzene	9.449	112	239651	51.944	ug/L	98
52) Ethylbenzene	9.571	91	408215	53.189	ug/L	99
53) m,p-Xylene	9.697	106	160750	53.708	ug/L	97
54) o-xylene	10.102	106	157090	54.090	ug/L	95
55) Styrene	10.115	104	269967	54.446	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	152164	50.815	ug/L	99
59) Bromoform	10.292	173	73781	52.850	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	129124	49.498	ug/L	99
61) Isopropylbenzene	10.488	105	415389	53.648	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	355338	55.059	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	355538	55.063	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	194815	52.968	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	198764	52.290	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	192126	51.872	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	34543	49.706	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	143575	53.575	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	130810	55.005	ug/L	99
71) Naphthalene	14.086	128	480981	58.121	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	132908	54.806	ug/L	98

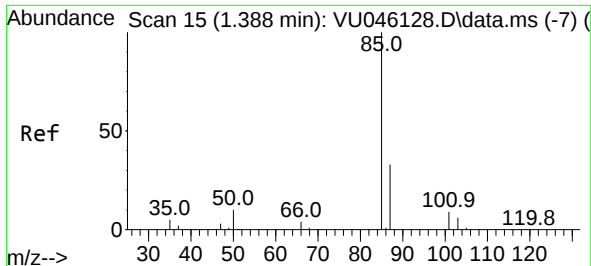
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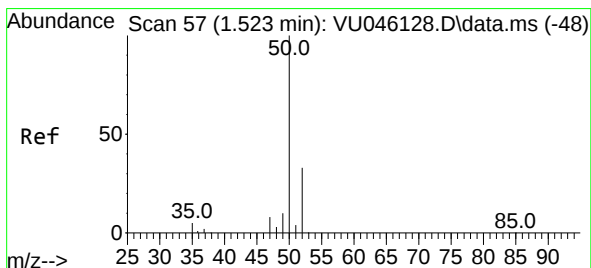
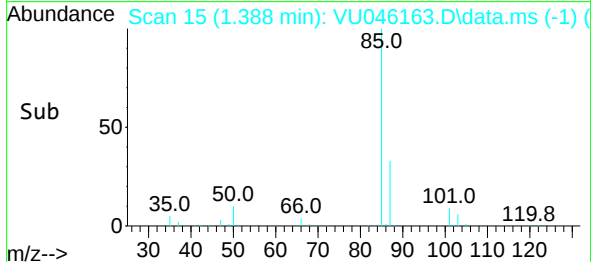
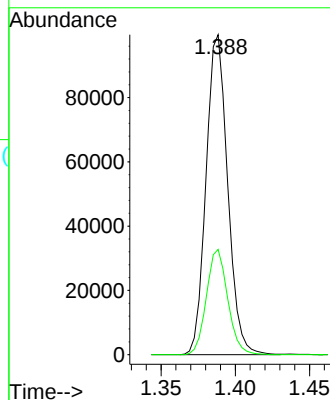
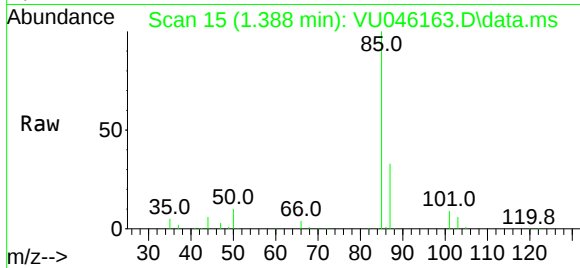




#2
 Dichlorodifluoromethane
 Concen: 41.363 ug/L
 RT: 1.388 min Scan# 15
 Delta R.T. 0.000 min
 Lab File: VU046163.D
 Acq: 08 Dec 2021 10:00

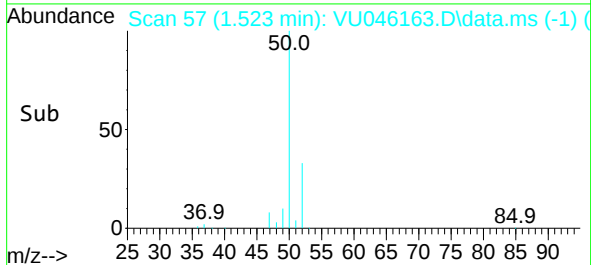
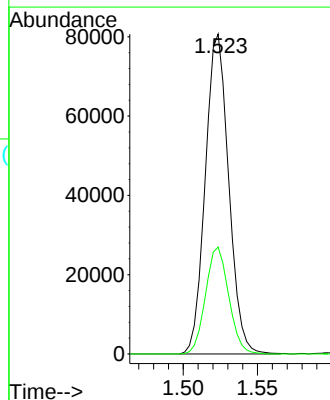
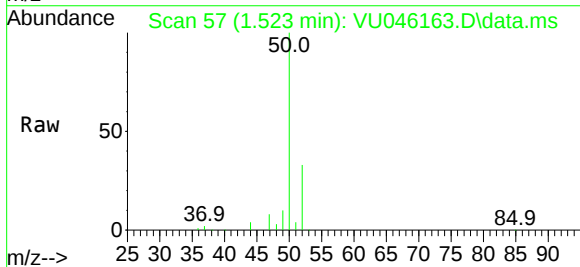
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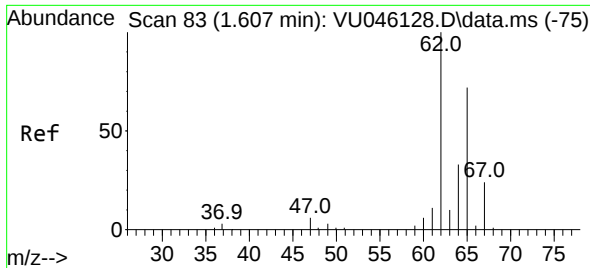
Tgt Ion: 85 Resp: 100605
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.7 38.5



#3
 Chloromethane
 Concen: 40.599 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.003 min
 Lab File: VU046163.D
 Acq: 08 Dec 2021 10:00

Tgt Ion: 50 Resp: 88322
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.2 43.2

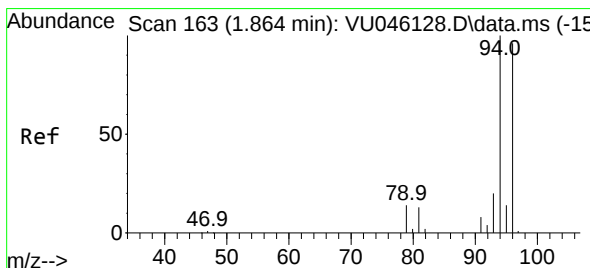
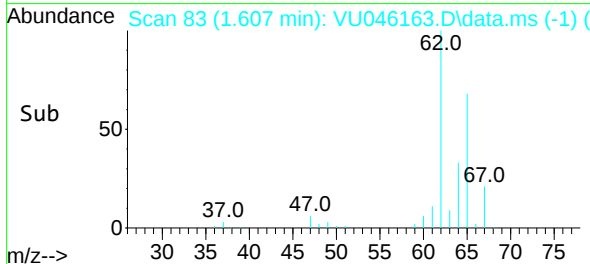
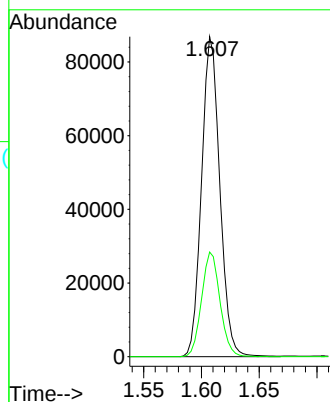
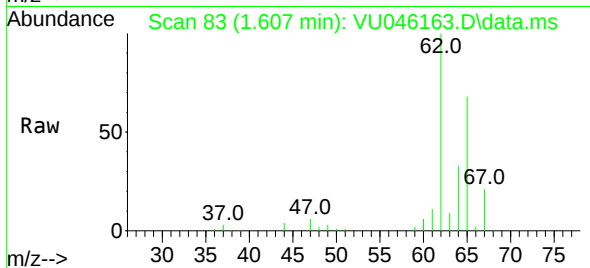




#5
 Vinyl chloride
 Concen: 43.692 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU046163.D
 Acq: 08 Dec 2021 10:00

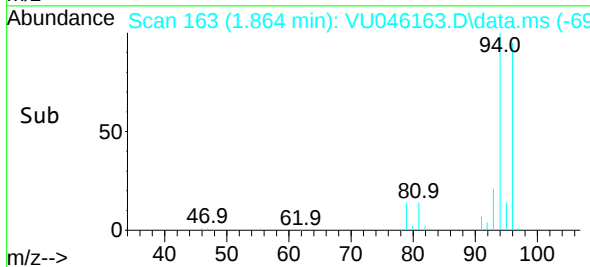
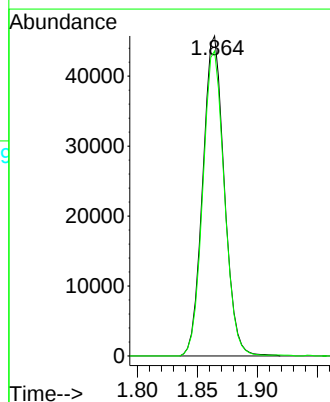
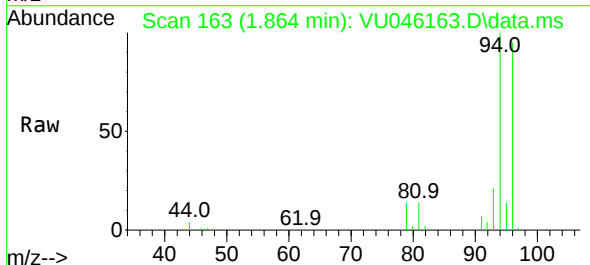
Instrument :
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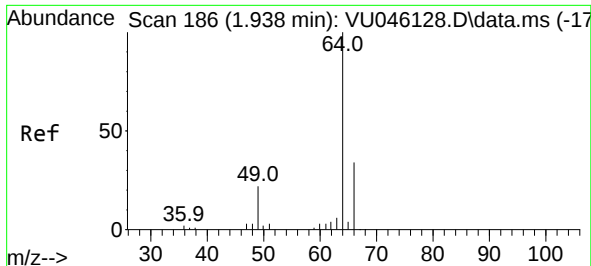
Tgt Ion: 62 Resp: 95841
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.9 42.5



#6
 Bromomethane
 Concen: 45.988 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU046163.D
 Acq: 08 Dec 2021 10:00

Tgt Ion: 94 Resp: 57176
 Ion Ratio Lower Upper
 94 100
 96 95.3 67.4 125.2

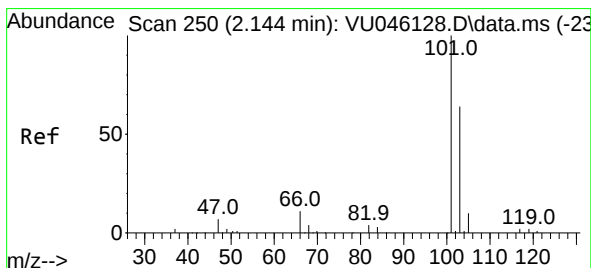
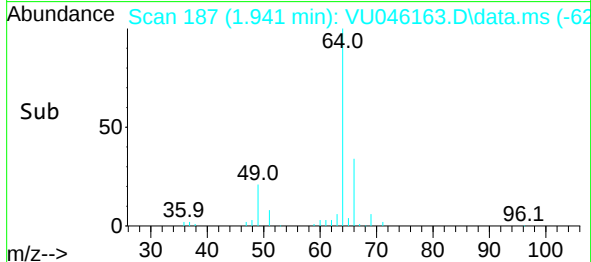
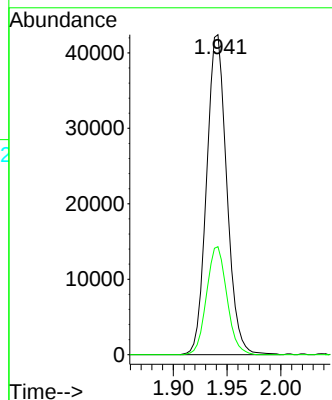
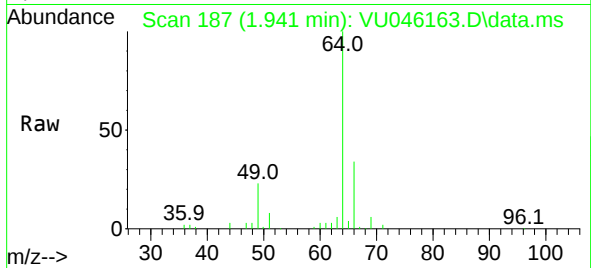




#8
Chloroethane
Concen: 43.565 ug/L
RT: 1.941 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

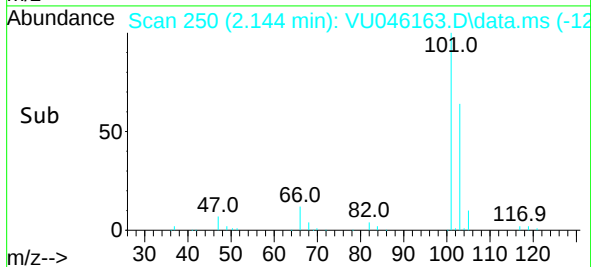
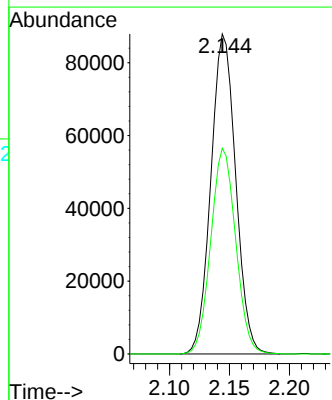
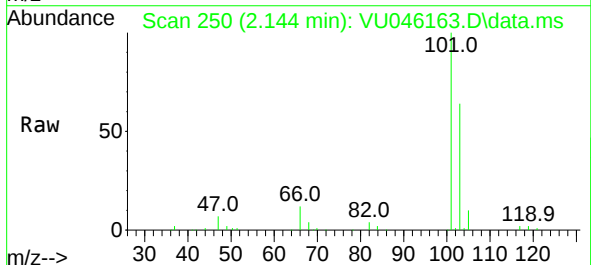
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MSVOA_U
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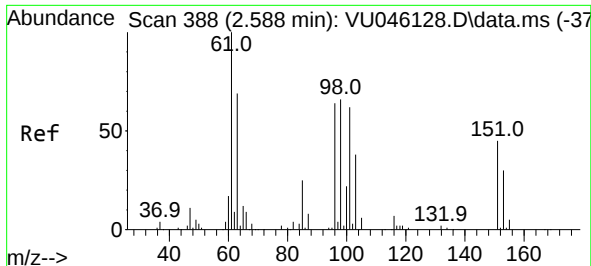
Tgt Ion: 64 Resp: 55330
Ion Ratio Lower Upper
64 100
66 33.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 44.141 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Tgt Ion:101 Resp: 126413
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.6

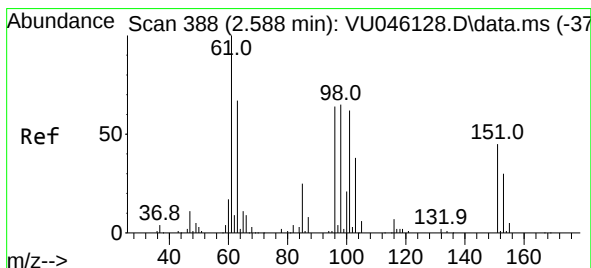
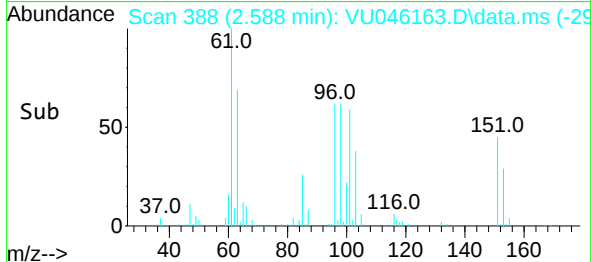
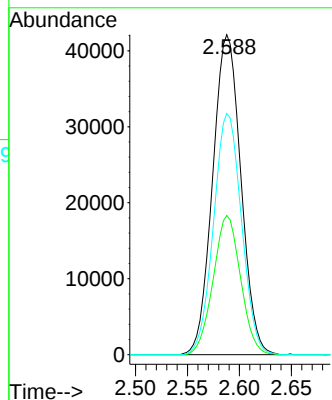
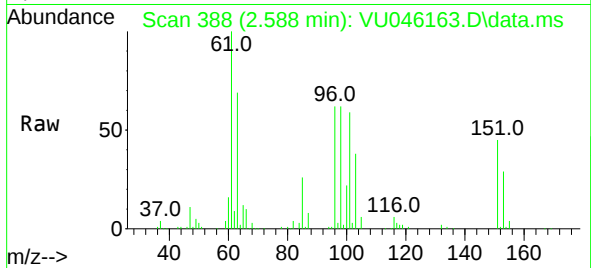




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.917 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046163.D
 Acq: 08 Dec 2021 10:00

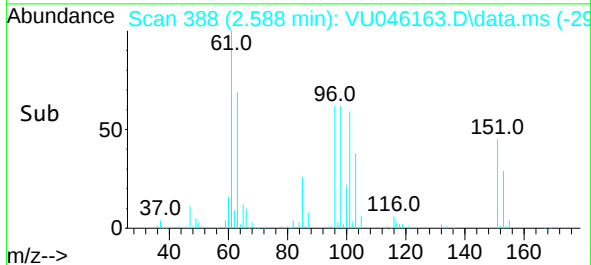
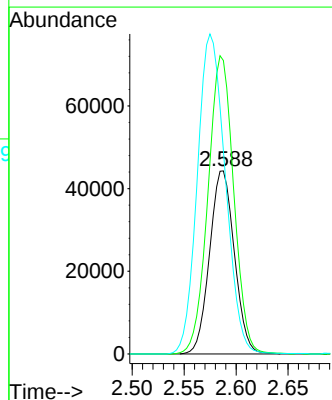
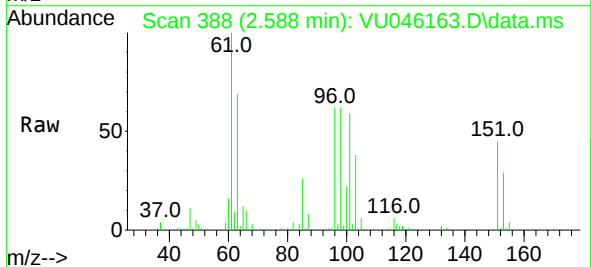
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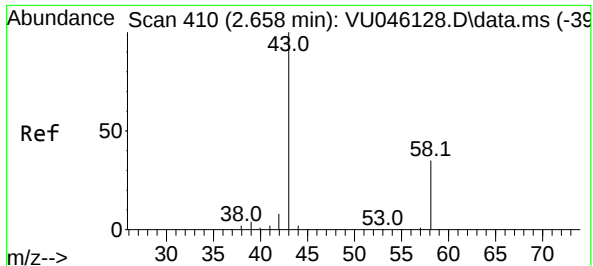
Tgt Ion:101 Resp: 79572
 Ion Ratio Lower Upper
 101 100
 85 42.2 35.1 52.7
 151 74.7 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 47.484 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046163.D
 Acq: 08 Dec 2021 10:00

Tgt Ion: 96 Resp: 73400
 Ion Ratio Lower Upper
 96 100
 61 160.2 118.6 220.2
 63 111.1 93.0 172.8





#13

Acetone

Concen: 81.549 ug/L

RT: 2.662 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

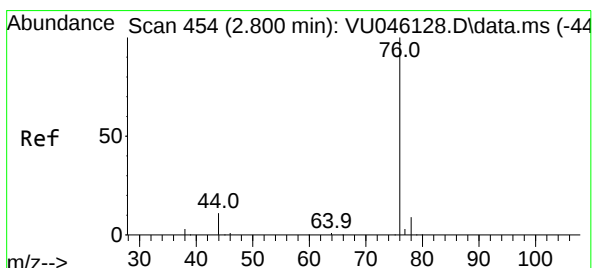
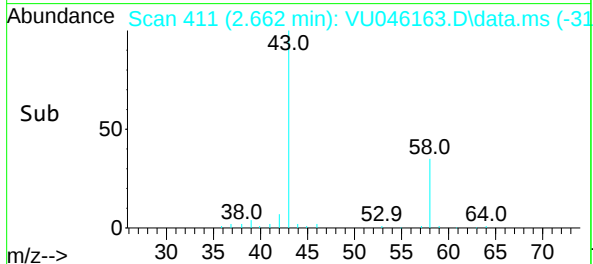
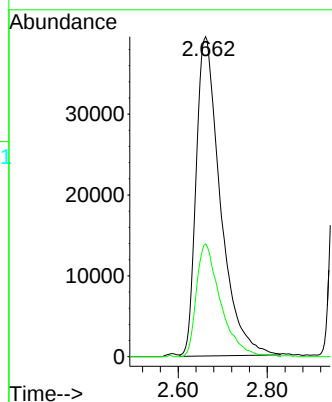
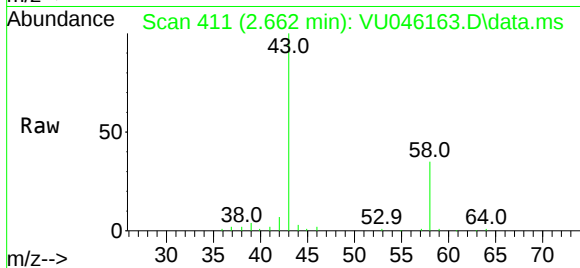
ClientSampleId :

Tgt Ion: 43 Resp: 149202

Ion Ratio Lower Upper

43 100

58 35.0 0.0 66.8



#14

Carbon disulfide

Concen: 42.410 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046163.D

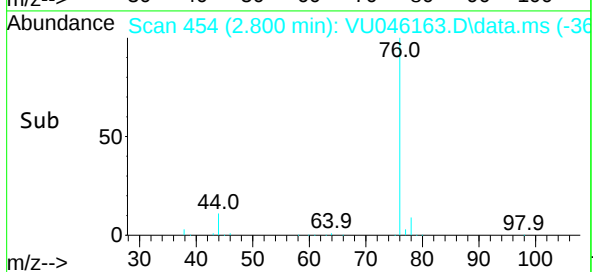
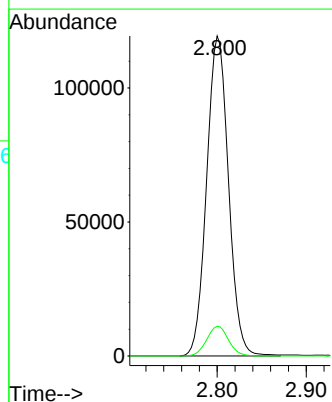
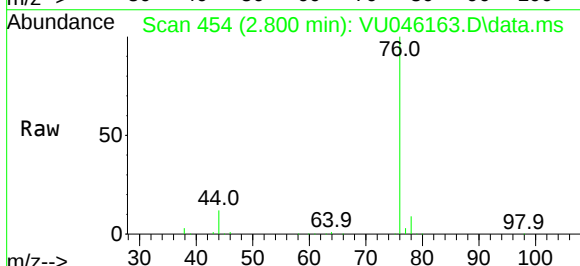
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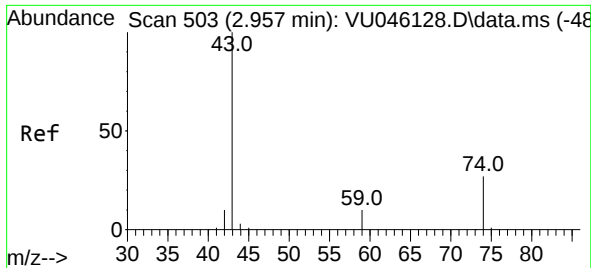
Tgt Ion: 76 Resp: 203390

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

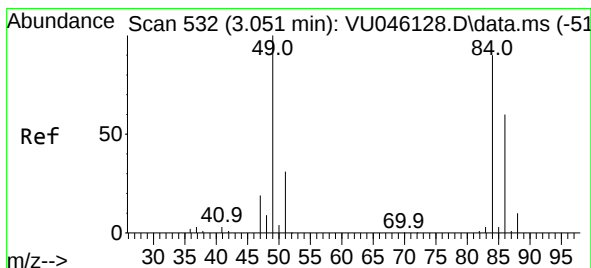
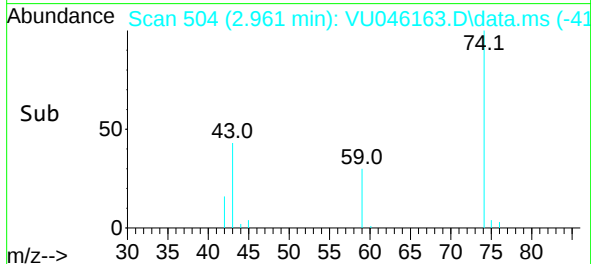
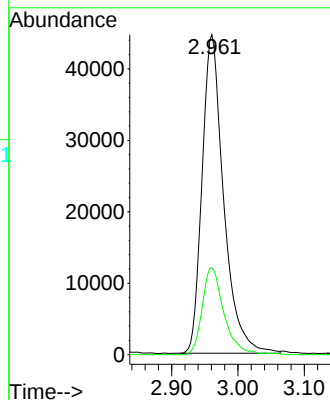
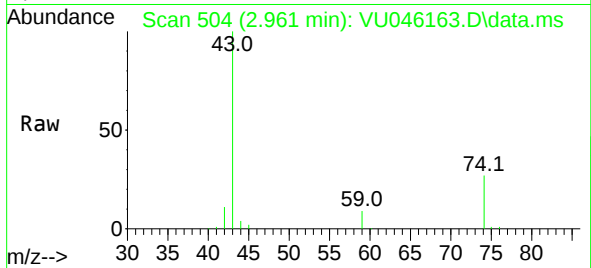




#15
Methyl Acetate
Concen: 47.269 ug/L
RT: 2.961 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

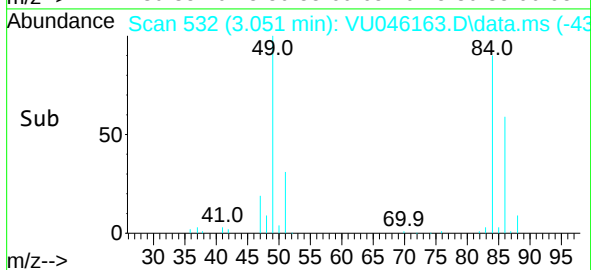
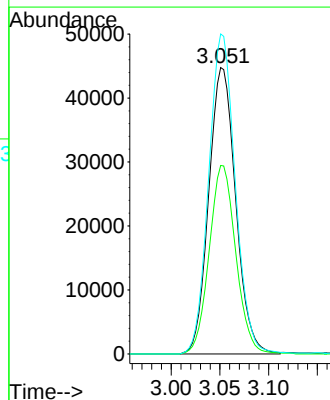
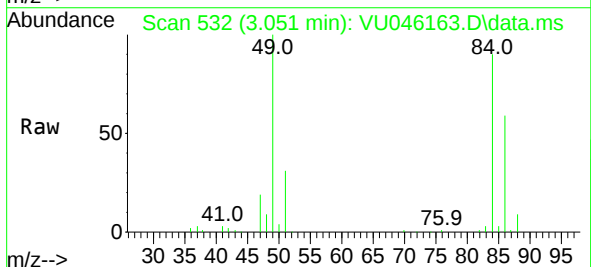
Instrument :
MSVOA_U
ClientSampleId :

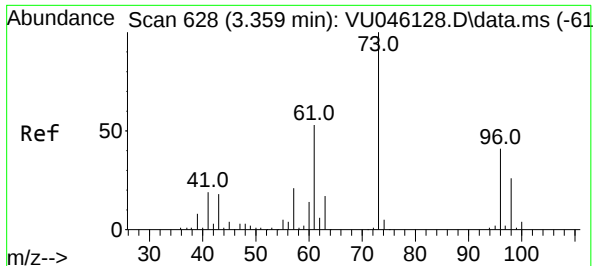
Tgt Ion: 43 Resp: 100817
Ion Ratio Lower Upper
43 100
74 26.9 20.8 31.2



#16
Methylene chloride
Concen: 46.764 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Tgt Ion: 84 Resp: 86003
Ion Ratio Lower Upper
84 100
86 65.8 44.7 83.1
49 111.7 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 48.699 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

ClientSampleId :

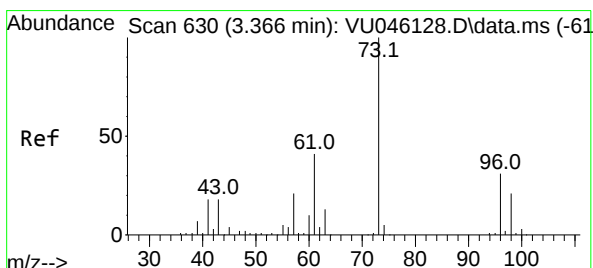
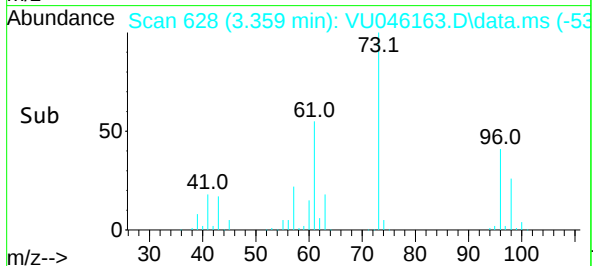
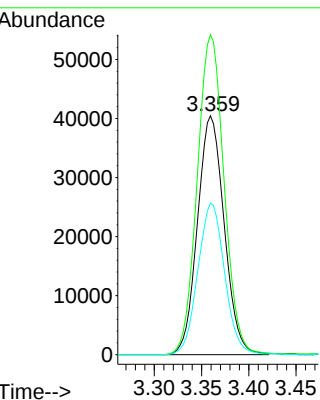
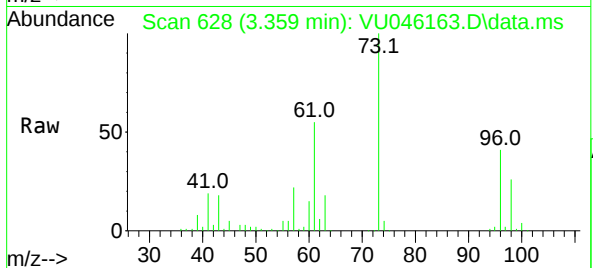
Tgt Ion: 96 Resp: 79664

Ion Ratio Lower Upper

96 100

61 134.0 94.6 175.6

98 63.5 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 52.715 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.003 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

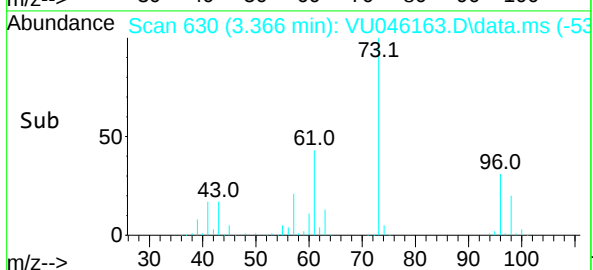
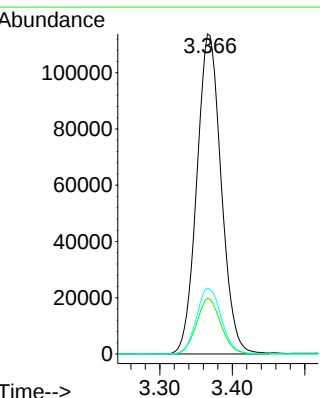
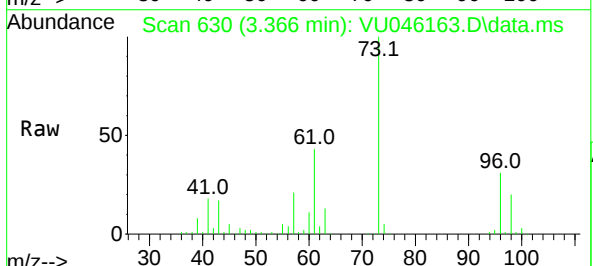
Tgt Ion: 73 Resp: 265755

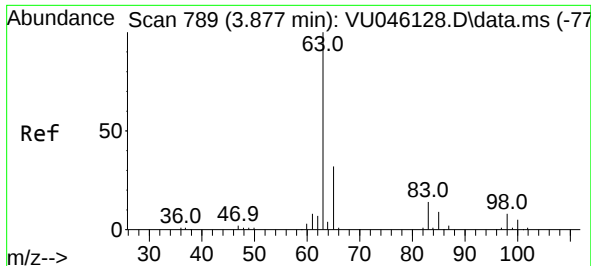
Ion Ratio Lower Upper

73 100

43 17.4 14.0 21.0

57 21.0 17.0 25.4





#19

1,1-Dichloroethane

Concen: 49.058 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

ClientSampleId :

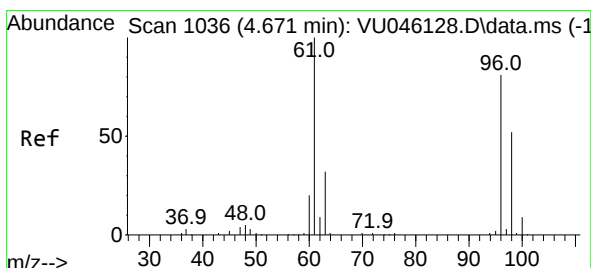
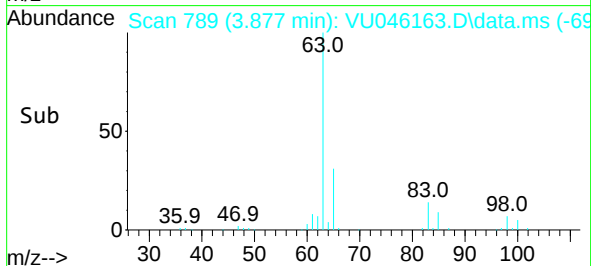
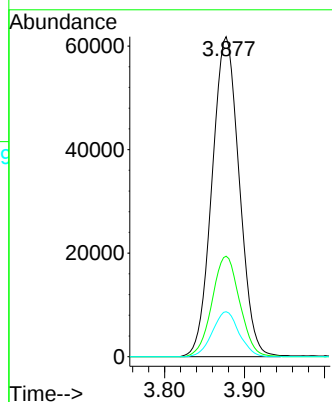
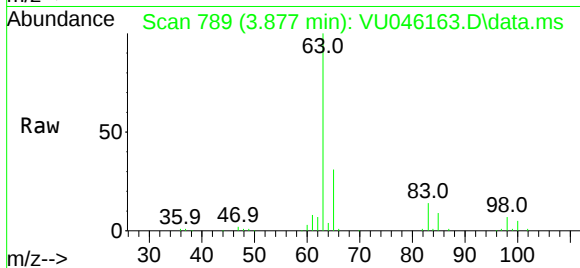
Tgt Ion: 63 Resp: 145912

Ion Ratio Lower Upper

63 100

65 31.4 22.8 42.4

83 14.1 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 50.629 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

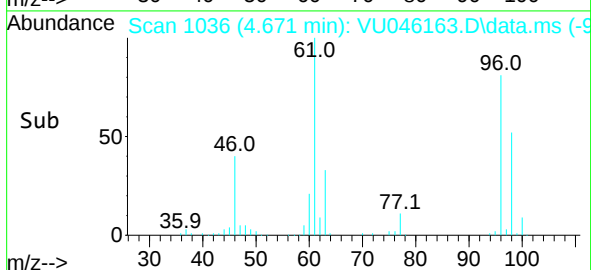
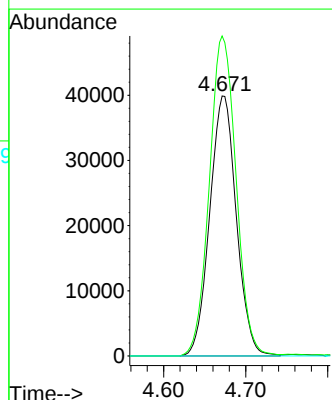
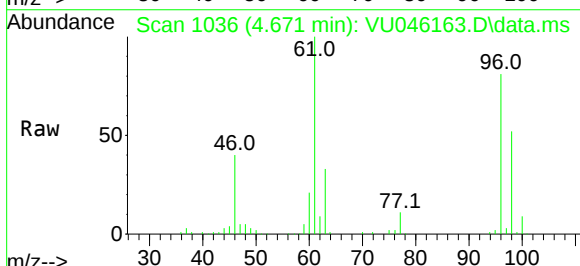
Tgt Ion: 96 Resp: 89866

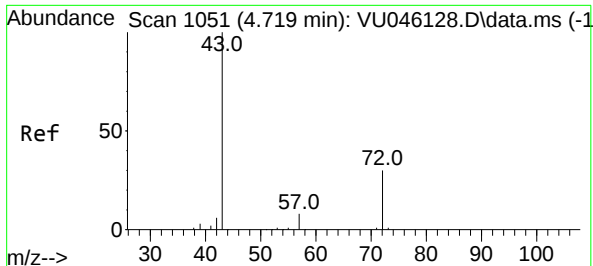
Ion Ratio Lower Upper

96 100

61 123.1 86.8 161.2

68 0.0 0.0 0.0

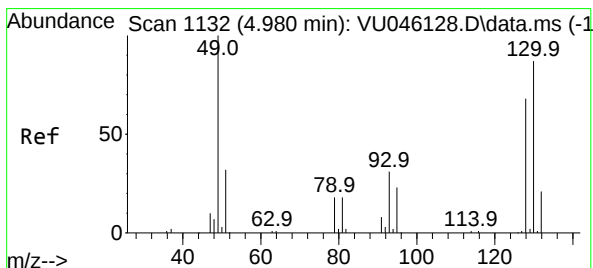
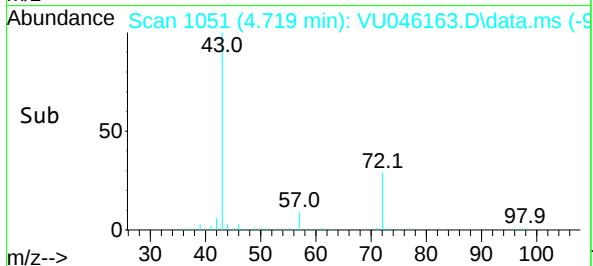
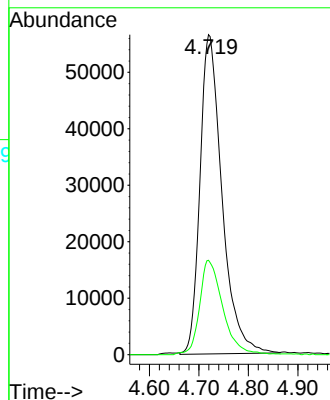
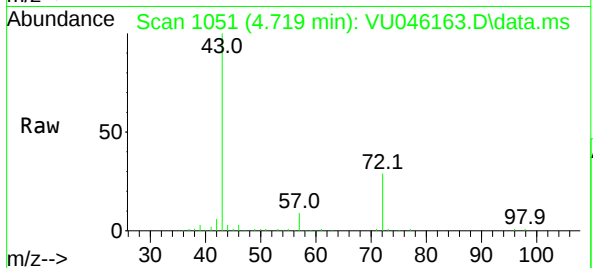




#22
2-Butanone
Concen: 87.797 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. -0.003 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

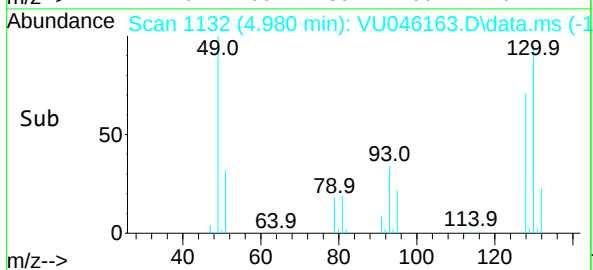
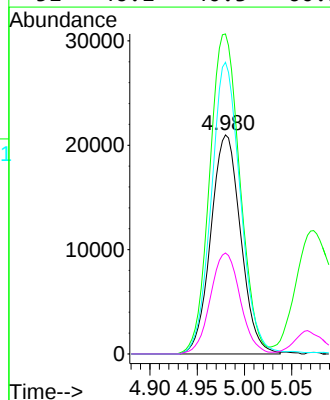
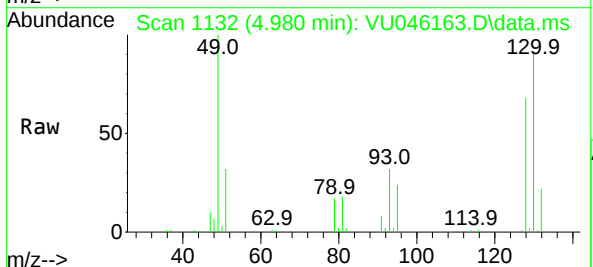
Instrument :
MSVOA_U
ClientSampleId :

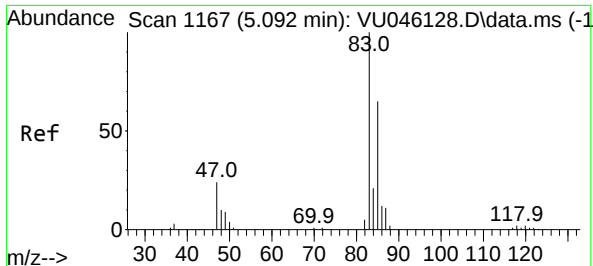
Tgt Ion: 43 Resp: 174865
Ion Ratio Lower Upper
43 100
72 30.7 14.5 43.6



#23
Bromochloromethane
Concen: 51.334 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Tgt Ion:128 Resp: 46019
Ion Ratio Lower Upper
128 100
49 146.1 115.9 215.3
130 133.2 91.8 170.4
51 46.1 40.3 60.5





#25

Chloroform

Concen: 48.884 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

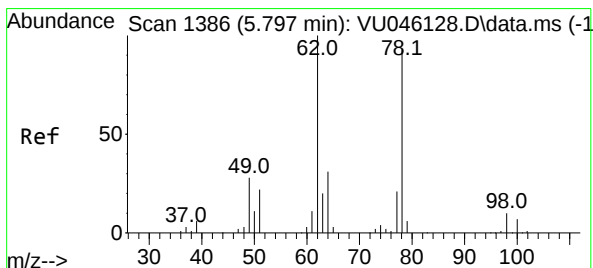
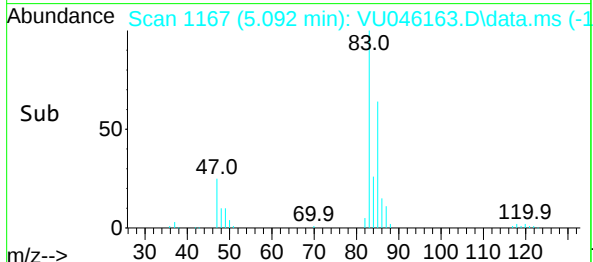
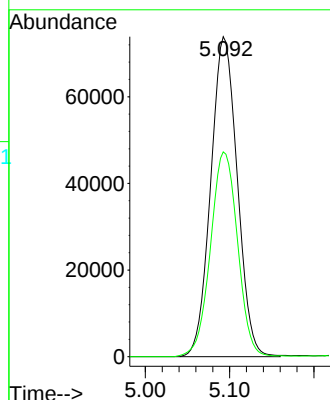
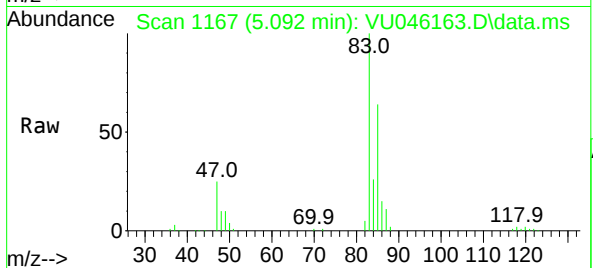
ClientSampleId :

Tgt Ion: 83 Resp: 161544

Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.2



#27

1,2-Dichloroethane

Concen: 48.259 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU046163.D

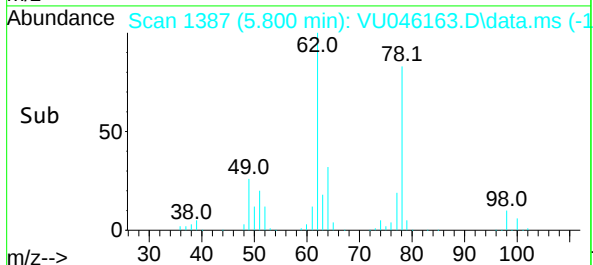
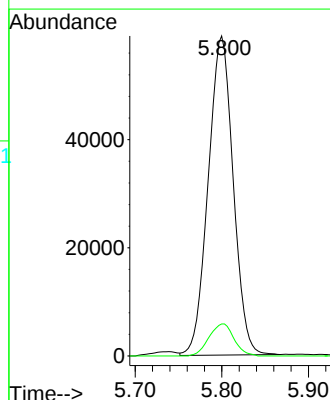
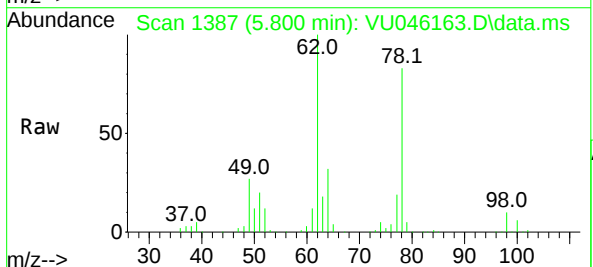
Acq: 08 Dec 2021 10:00

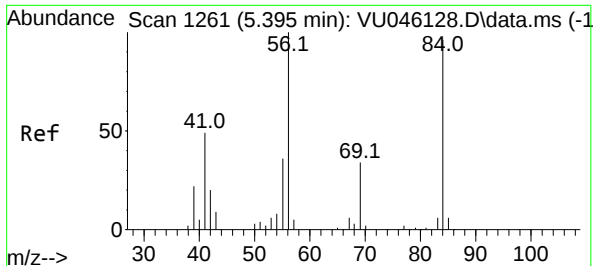
Tgt Ion: 62 Resp: 118344

Ion Ratio Lower Upper

62 100

98 10.0 7.9 11.9





#29

Cyclohexane

Concen: 49.657 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

ClientSampleId :

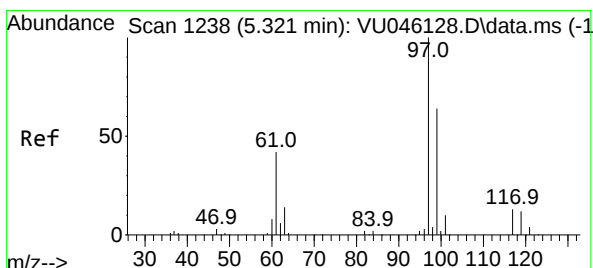
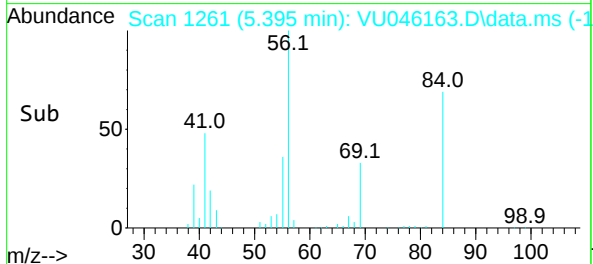
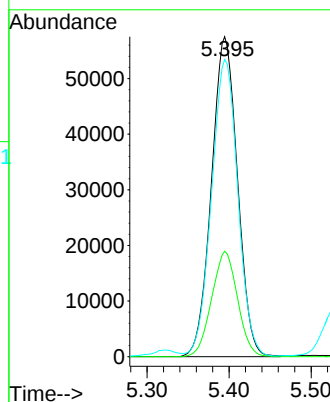
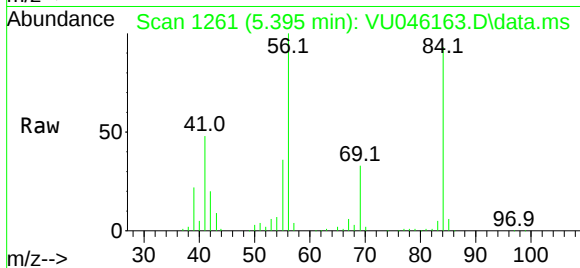
Tgt Ion: 56 Resp: 126968

Ion Ratio Lower Upper

56 100

69 32.7 25.2 37.8

84 93.6 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 50.006 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. 0.003 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

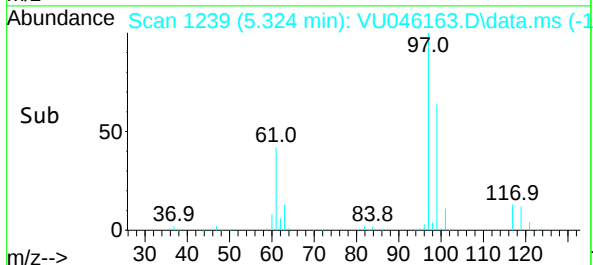
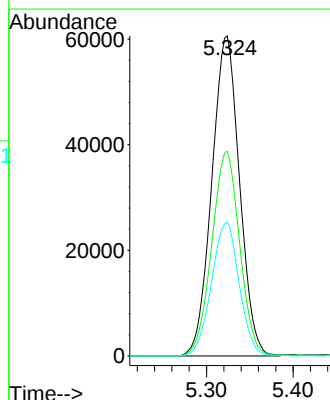
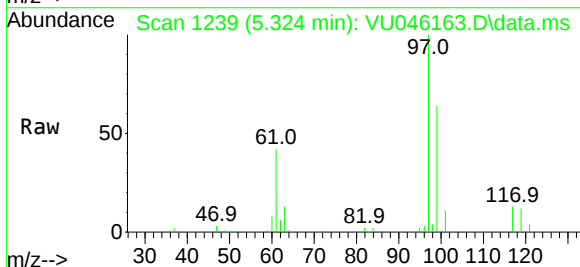
Tgt Ion: 97 Resp: 134785

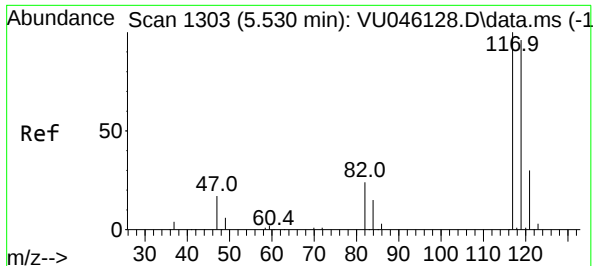
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 41.8 34.4 51.6

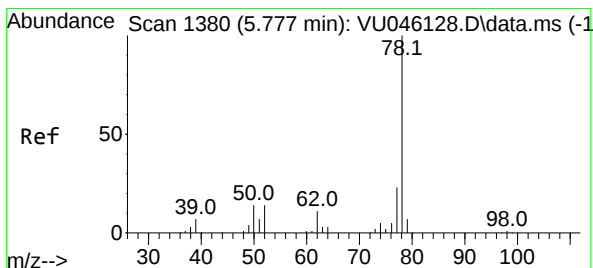
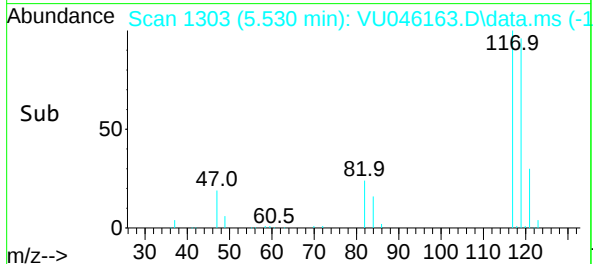
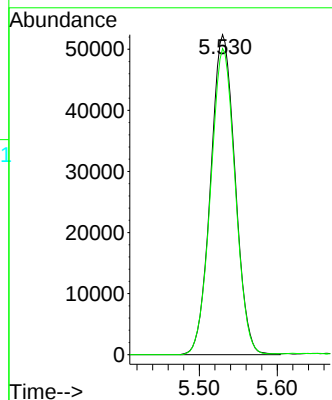
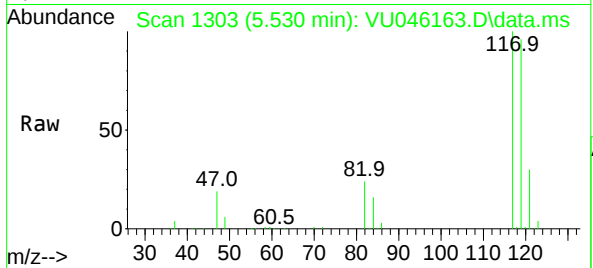




#31
Carbon tetrachloride
Concen: 49.944 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

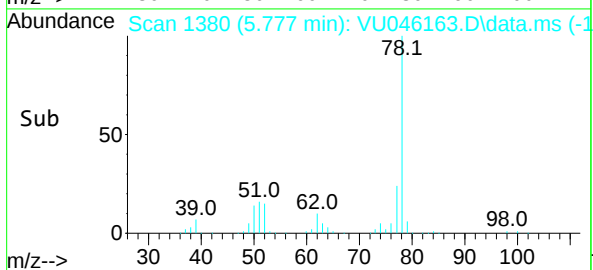
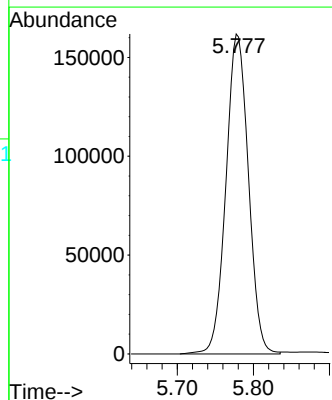
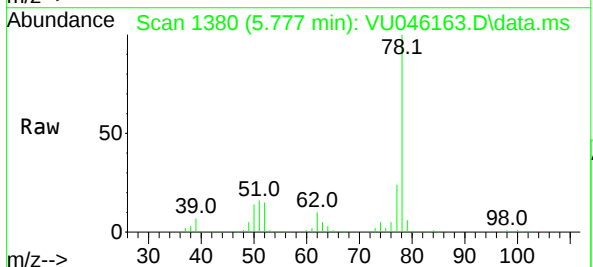
Instrument :
MSVOA_U
ClientSampleId :

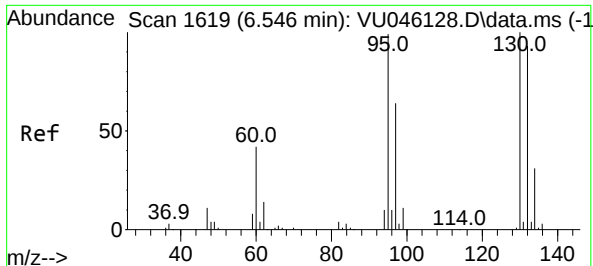
Tgt Ion:117 Resp: 114285
Ion Ratio Lower Upper
117 100
119 95.8 75.7 113.5



#33
Benzene
Concen: 50.018 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

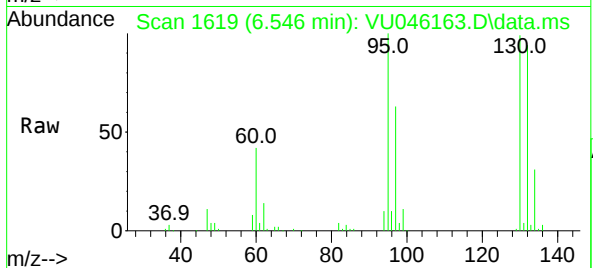
Tgt Ion: 78 Resp: 332419



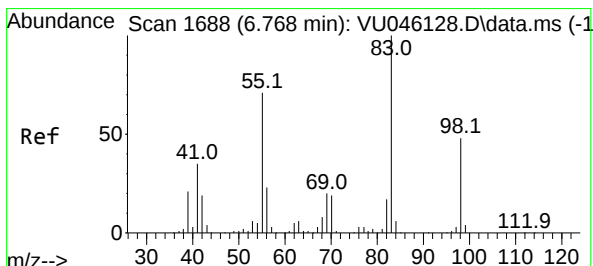
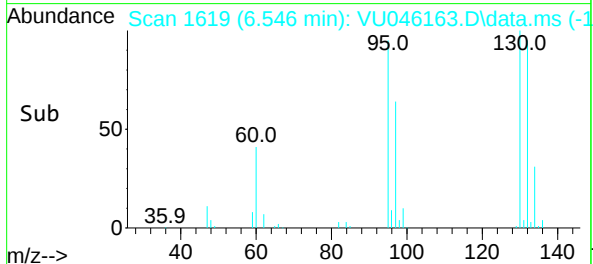
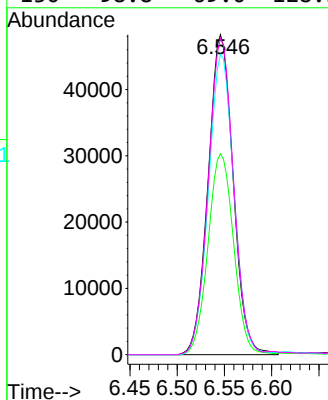


#34
Trichloroethene
Concen: 50.914 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Instrument :
MSVOA_U
ClientSampleId :

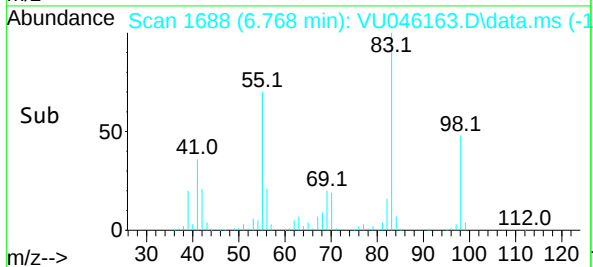
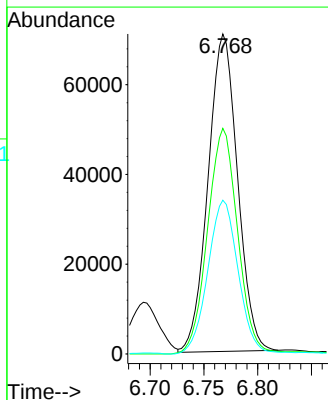
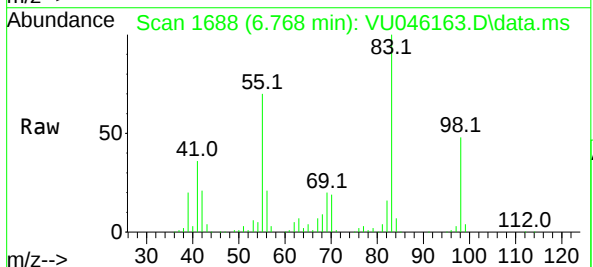


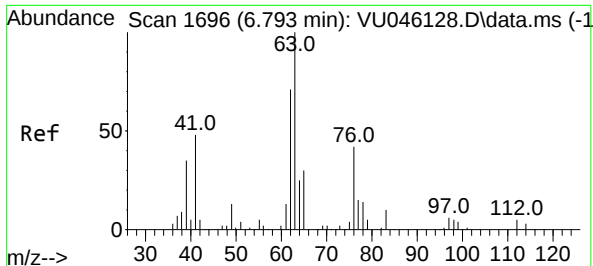
Tgt Ion: 95 Resp: 89142
Ion Ratio Lower Upper
95 100
97 62.8 44.1 81.9
132 93.8 66.8 124.0
130 98.8 69.0 128.1



#35
Methylcyclohexane
Concen: 49.662 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Tgt Ion: 83 Resp: 134820
Ion Ratio Lower Upper
83 100
55 72.6 57.8 86.6
98 50.0 38.4 57.6





#37

1,2-Dichloropropane

Concen: 50.538 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

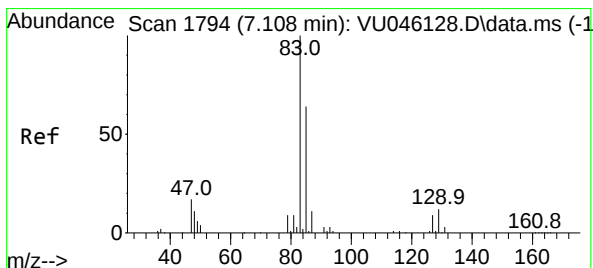
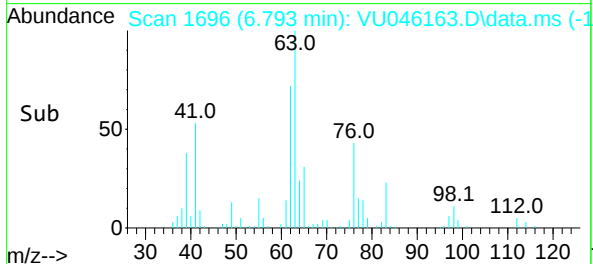
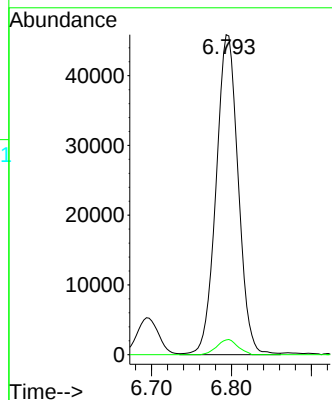
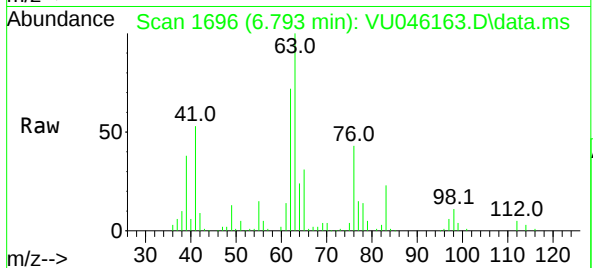
ClientSampleId :

Tgt Ion: 63 Resp: 87984

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 50.191 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

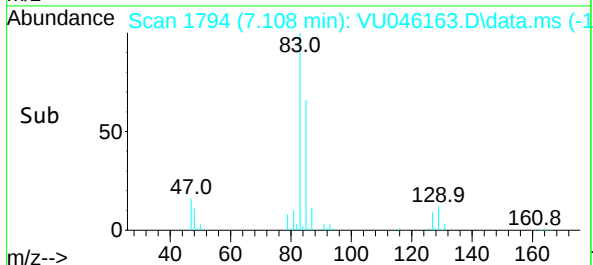
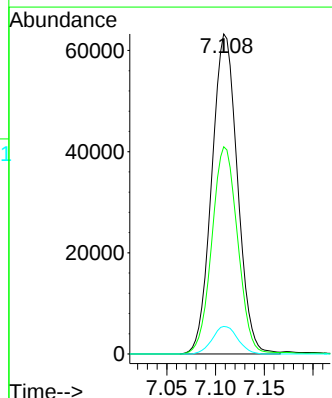
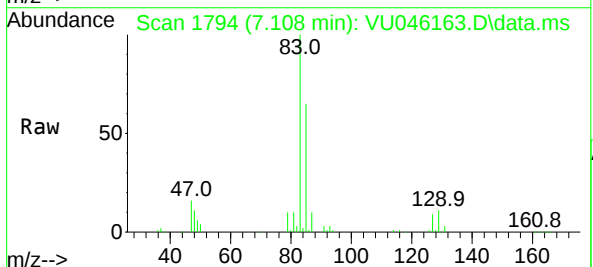
Tgt Ion: 83 Resp: 116143

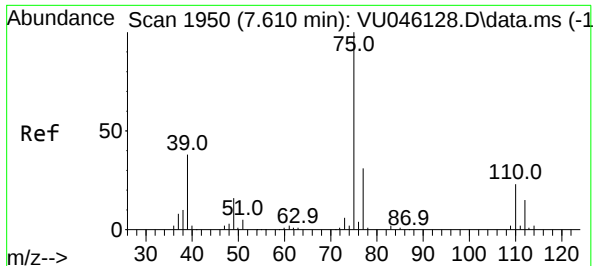
Ion Ratio Lower Upper

83 100

85 64.8 44.4 82.5

127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 53.886 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

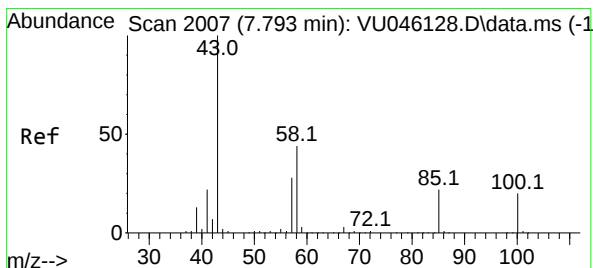
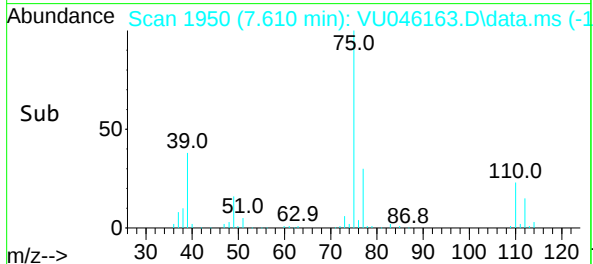
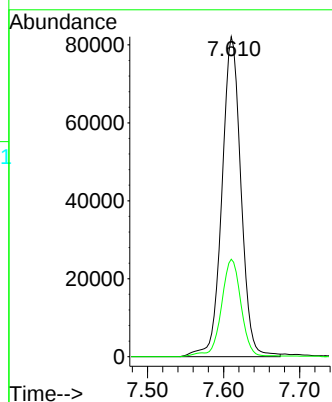
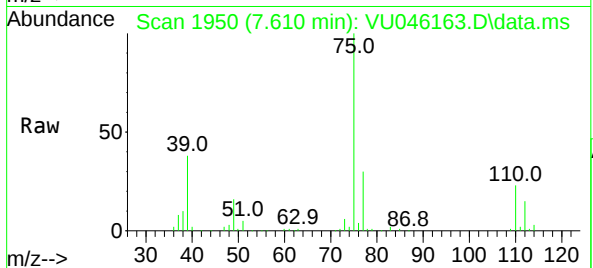
ClientSampleId :

Tgt Ion: 75 Resp: 142718

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 102.862 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

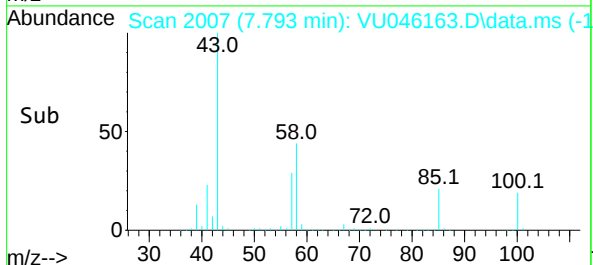
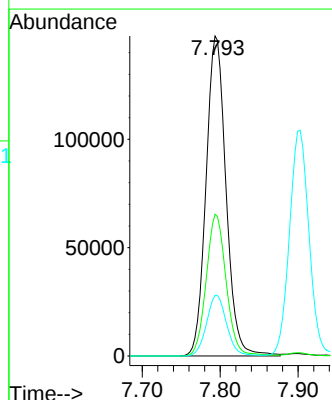
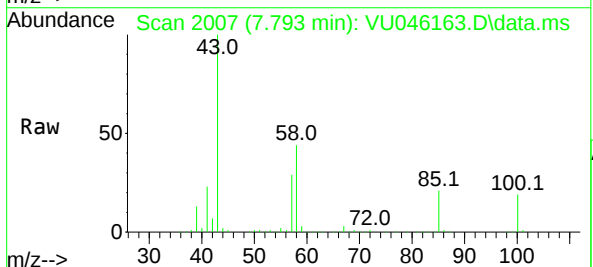
Tgt Ion: 43 Resp: 263109

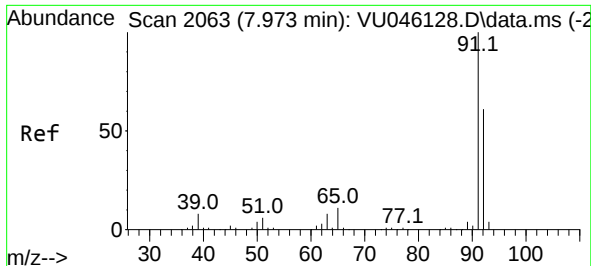
Ion Ratio Lower Upper

43 100

58 44.1 34.2 51.4

100 19.0 14.5 21.7

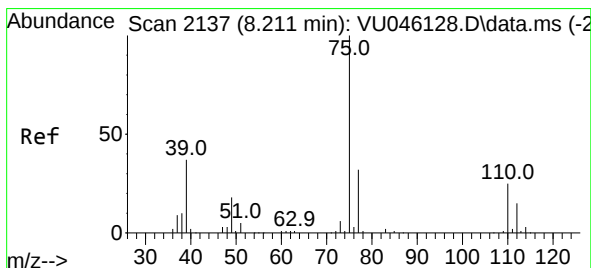
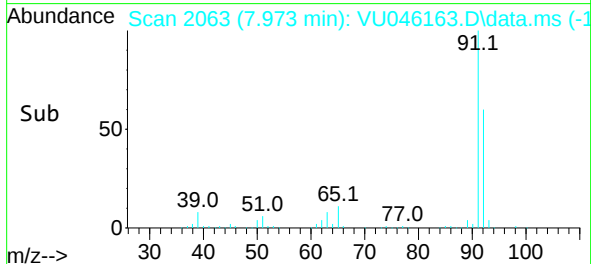
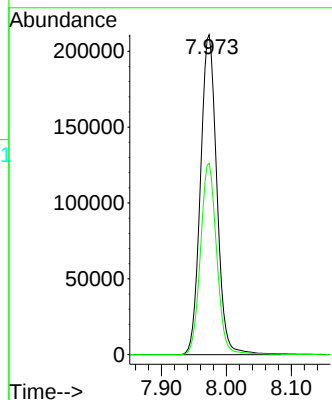
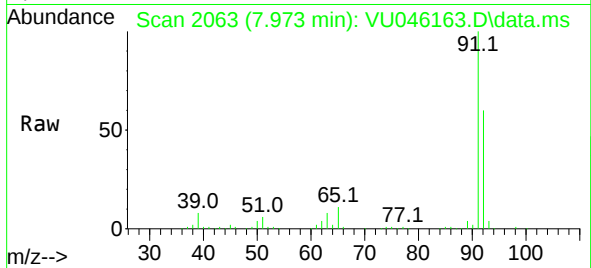




#42
Toluene
Concen: 51.963 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

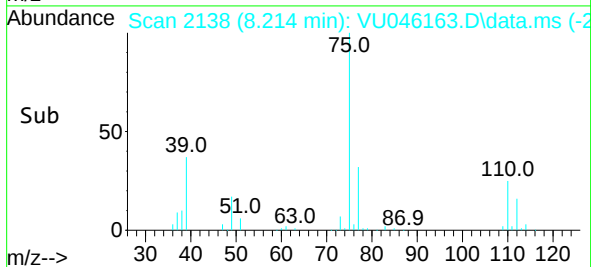
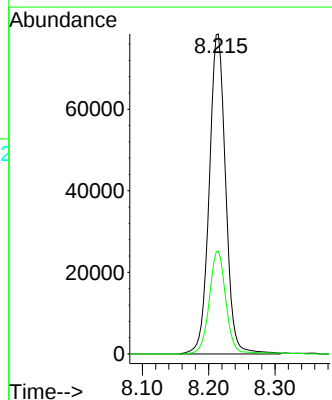
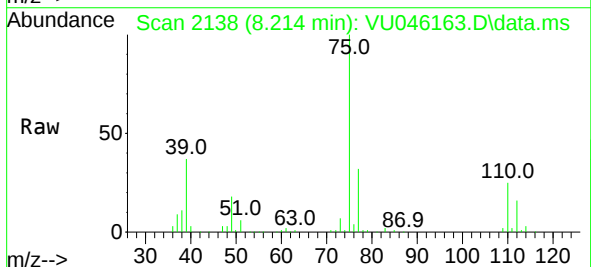
Instrument :
MSVOA_U
ClientSampleId :

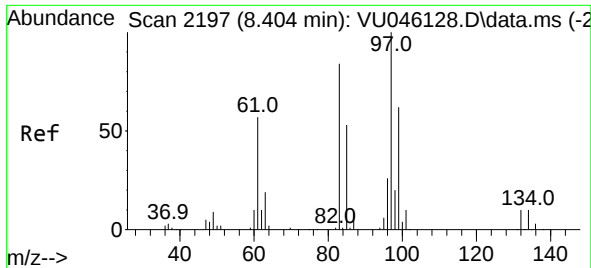
Tgt Ion: 91 Resp: 370564
Ion Ratio Lower Upper
91 100
92 59.8 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 51.876 ug/L
RT: 8.214 min Scan# 2138
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

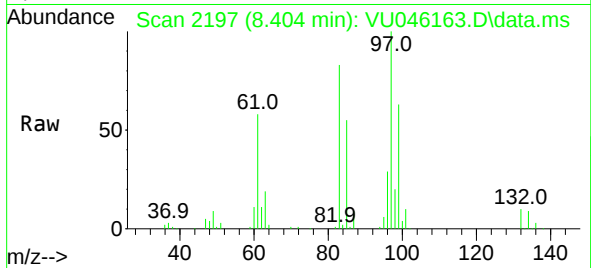
Tgt Ion: 75 Resp: 134943
Ion Ratio Lower Upper
75 100
77 32.2 21.7 40.3





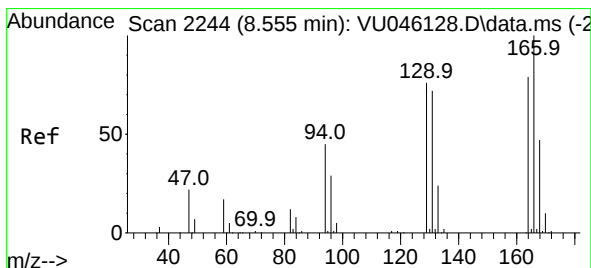
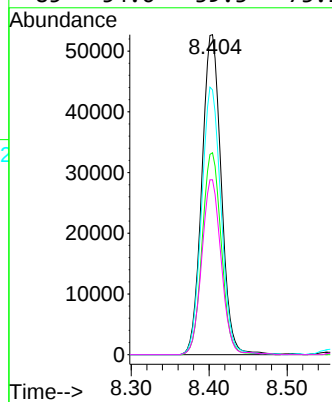
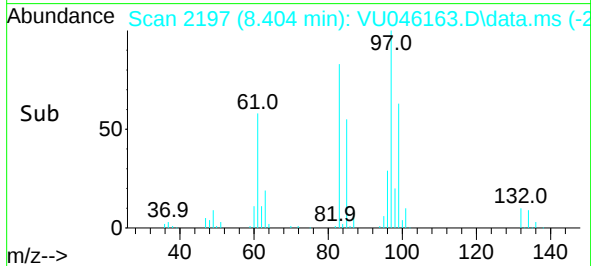
#45
1,1,2-Trichloroethane
Concen: 52.123 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Instrument :
MSVOA_U
ClientSampleId :

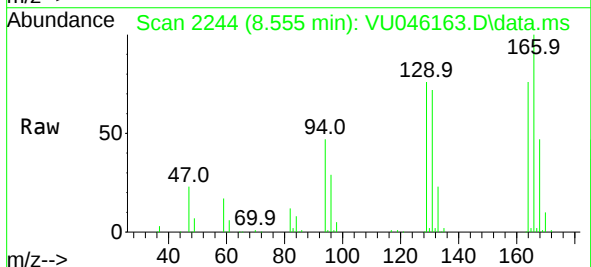


Tgt Ion: 97 Resp: 91040

Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.7	82.9
83	82.8	60.2	111.8
85	54.6	39.3	73.1

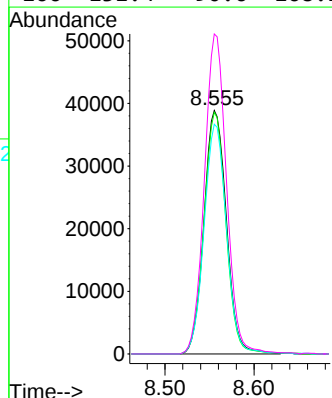
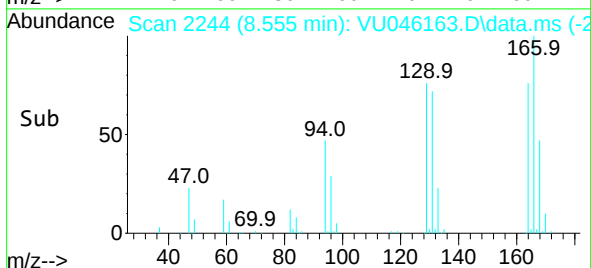


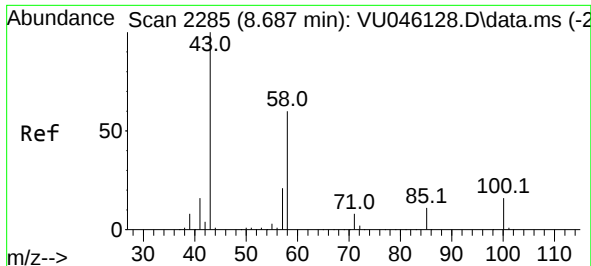
#46
Tetrachloroethene
Concen: 52.839 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00



Tgt Ion: 164 Resp: 67985

Ion	Ratio	Lower	Upper
164	100		
129	99.2	71.1	132.1
131	94.3	67.8	126.0
166	131.4	90.6	168.2



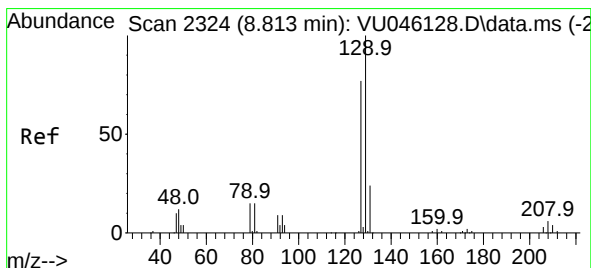
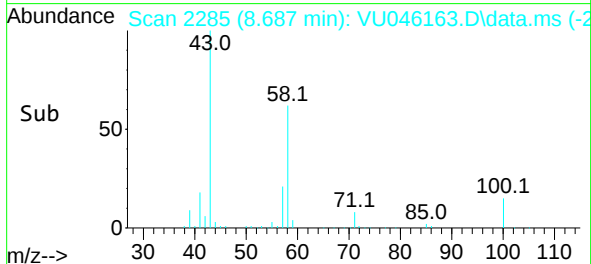
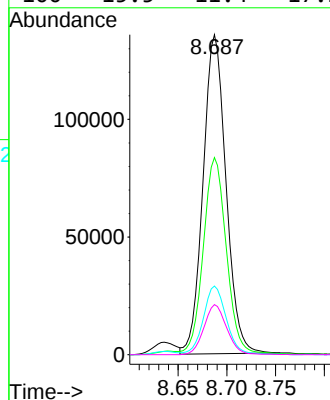
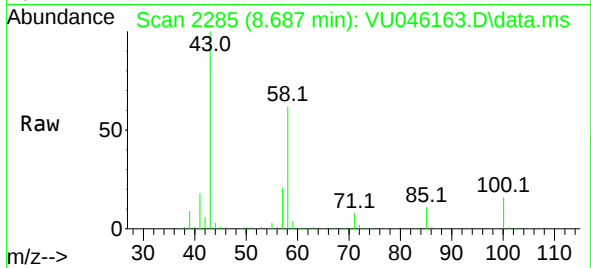


#48
2-Hexanone
Concen: 97.172 ug/L
RT: 8.687 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 222289

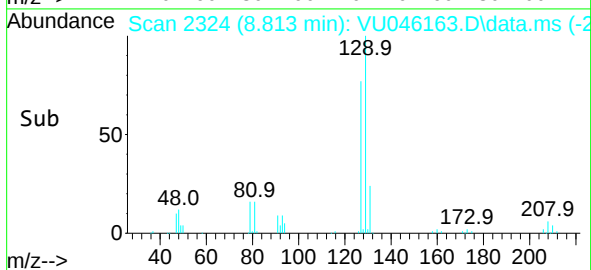
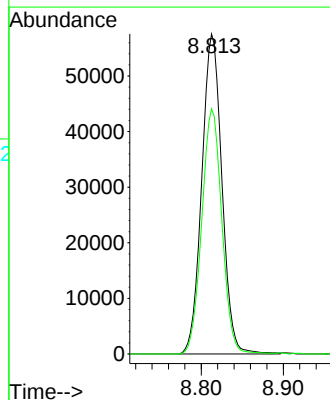
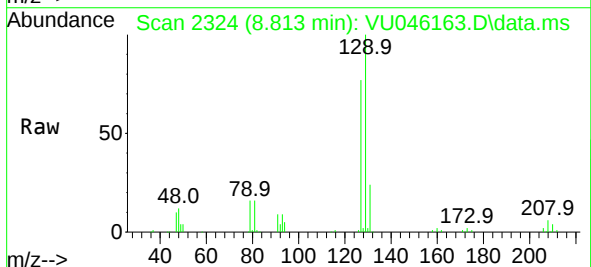
Ion	Ratio	Lower	Upper
43	100		
58	62.1	47.4	71.2
57	21.2	16.6	25.0
100	15.5	11.4	17.2

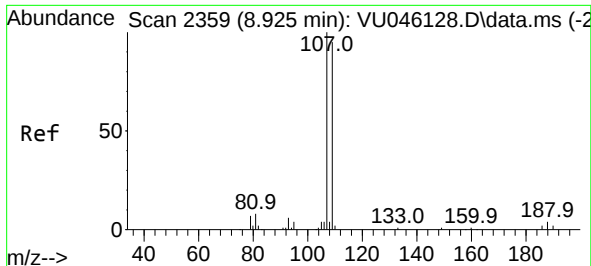


#49
Dibromochloromethane
Concen: 53.481 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Tgt Ion: 129 Resp: 98092

Ion	Ratio	Lower	Upper
129	100		
127	76.6	55.6	103.4





#50

1,2-Dibromoethane

Concen: 52.337 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU046163.D

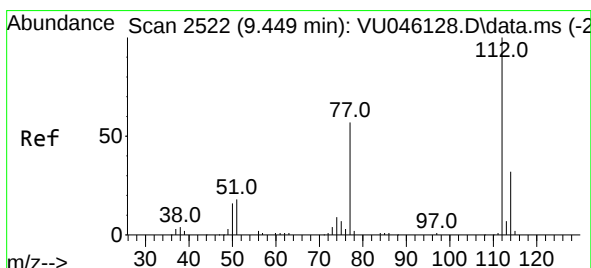
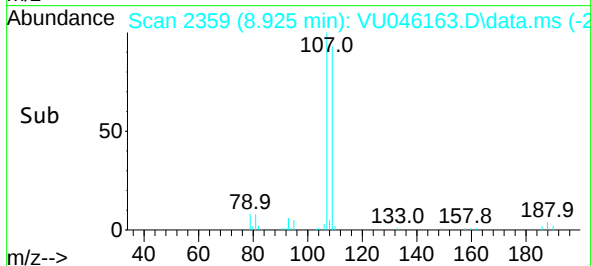
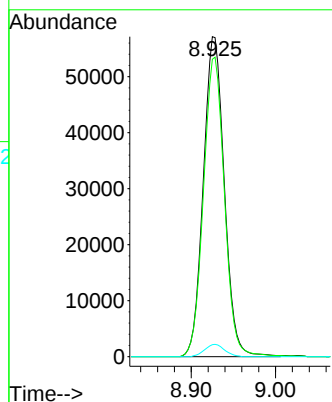
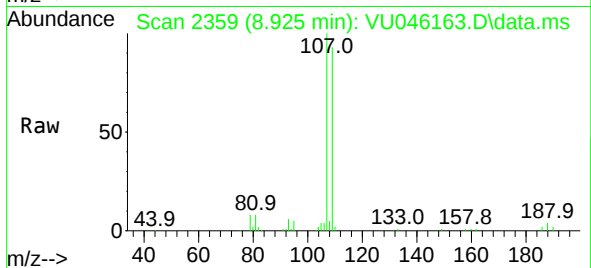
Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	99107
Ion Ratio	Lower	Upper
107	100	
109	92.9	64.9 120.5
188	3.8	2.6 3.8



#51

Chlorobenzene

Concen: 51.944 ug/L

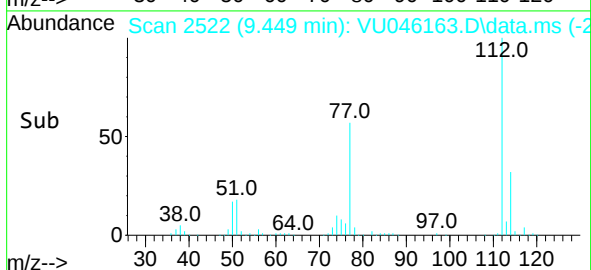
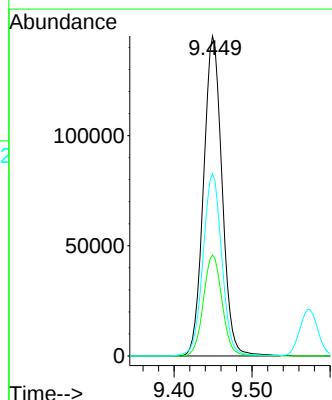
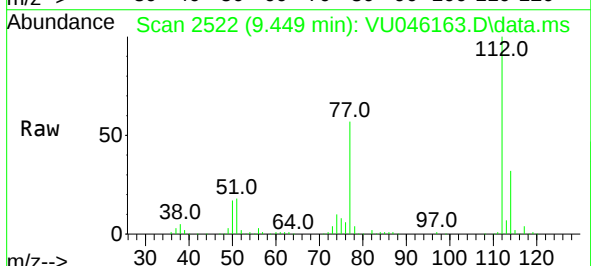
RT: 9.449 min Scan# 2522

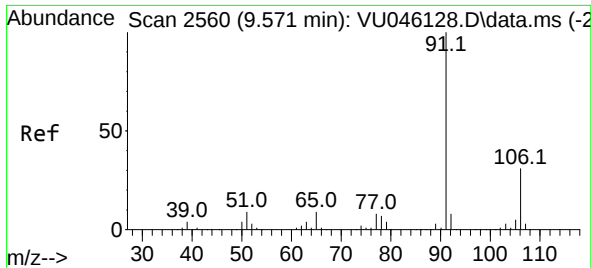
Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Tgt Ion:112	Resp:	239651
Ion Ratio	Lower	Upper
112	100	
114	31.5	22.2 41.2
77	57.0	47.4 71.0

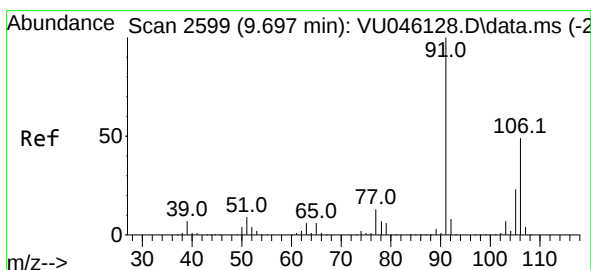
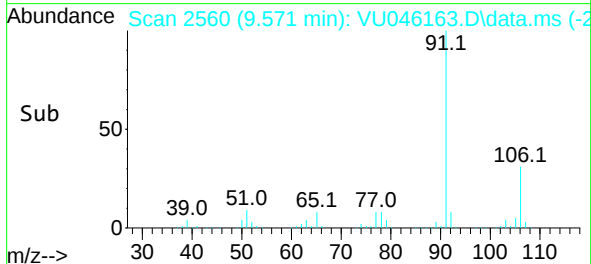
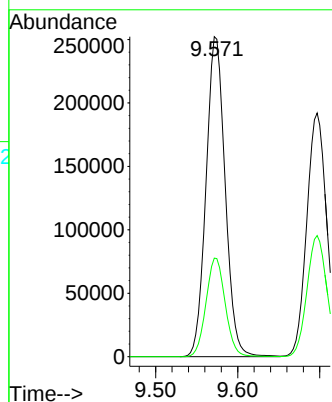
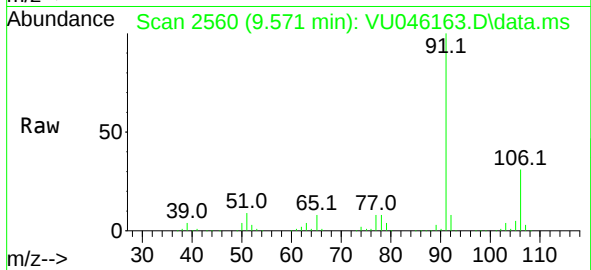




#52
Ethylbenzene
Concen: 53.189 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

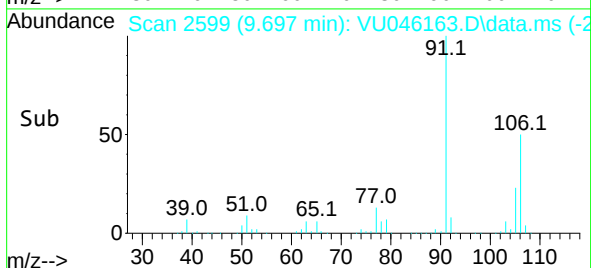
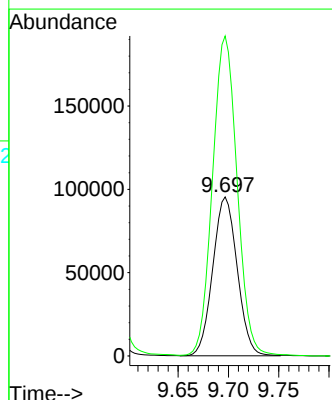
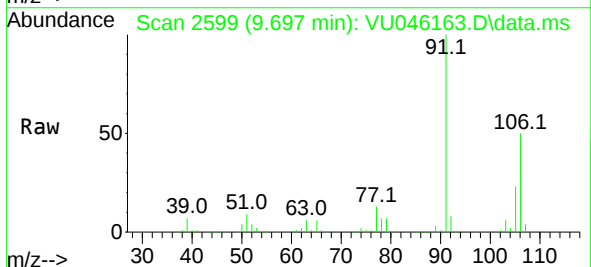
Instrument :
MSVOA_U
ClientSampleId :

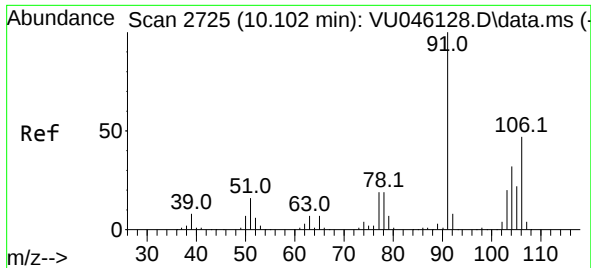
Tgt Ion: 91 Resp: 408215
Ion Ratio Lower Upper
91 100
106 30.8 21.1 39.3



#53
m,p-Xylene
Concen: 53.708 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Tgt Ion: 106 Resp: 160750
Ion Ratio Lower Upper
106 100
91 201.2 144.3 268.1

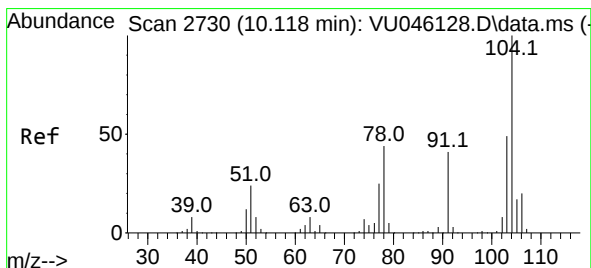
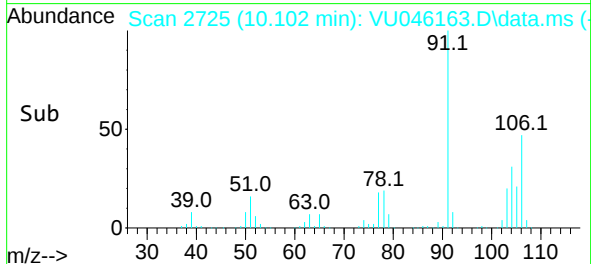
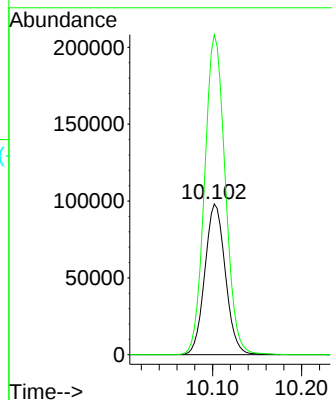
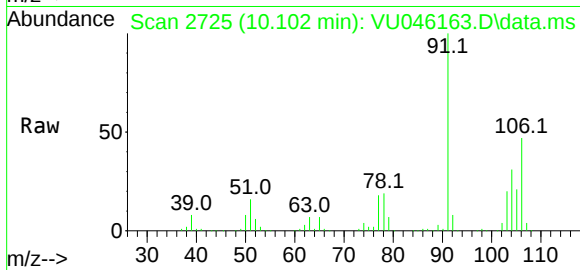




#54
o-xylene
Concen: 54.090 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

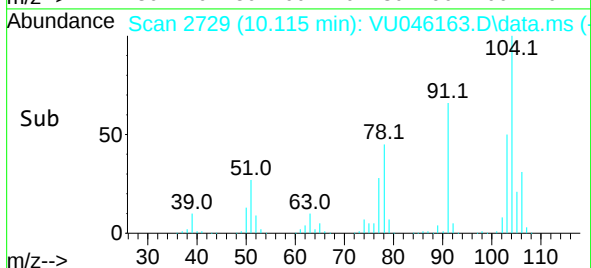
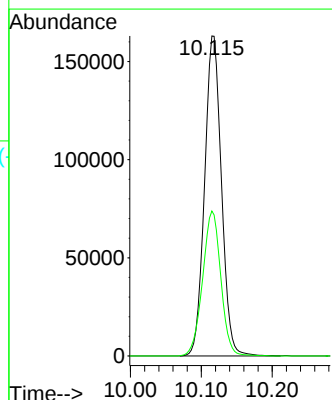
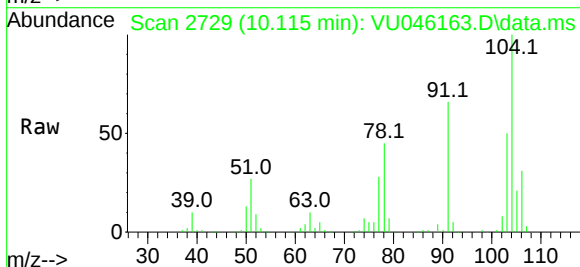
Instrument :
MSVOA_U
ClientSampleId :

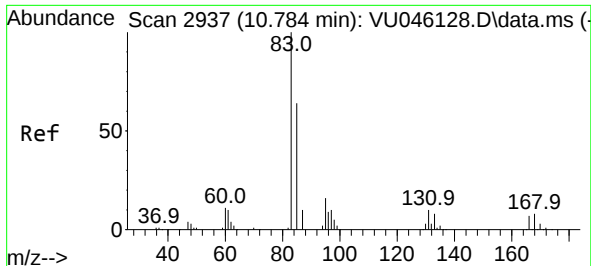
Tgt Ion:106 Resp: 157090
Ion Ratio Lower Upper
106 100
91 212.2 154.2 286.4



#55
Styrene
Concen: 54.446 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Tgt Ion:104 Resp: 269967
Ion Ratio Lower Upper
104 100
78 45.3 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 50.815 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

ClientSampleId :

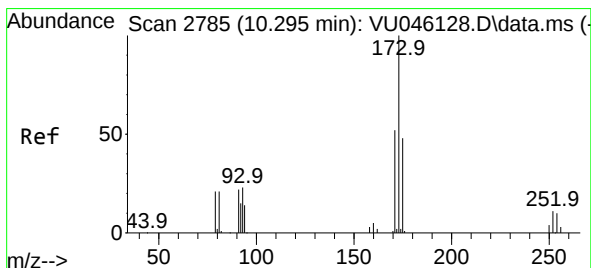
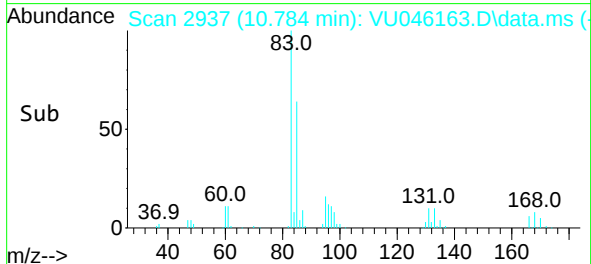
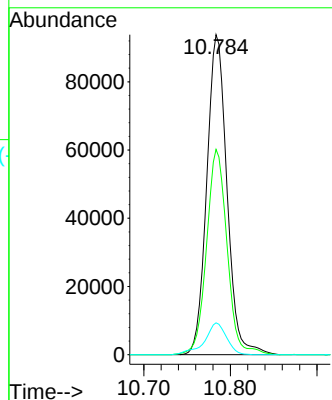
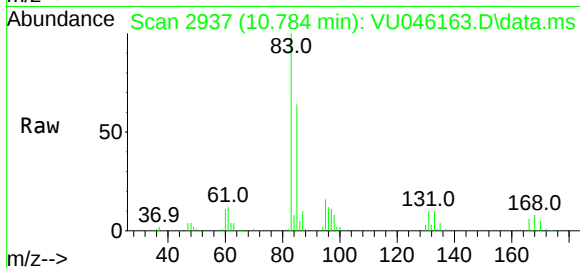
Tgt Ion: 83 Resp: 152164

Ion Ratio Lower Upper

83 100

85 64.2 45.6 84.6

131 10.0 7.8 11.6



#59

Bromoform

Concen: 52.850 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

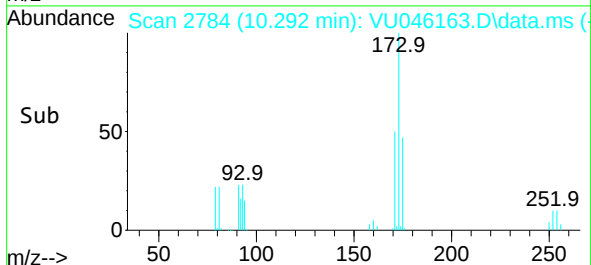
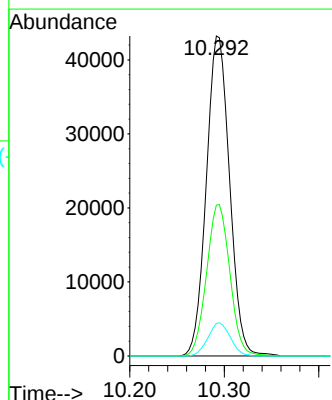
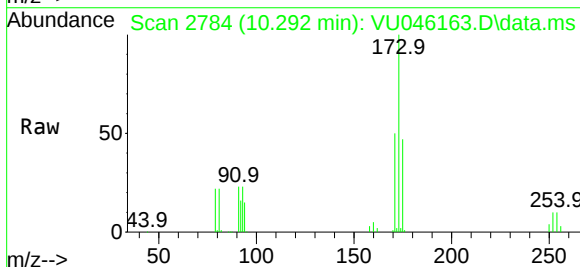
Tgt Ion:173 Resp: 73781

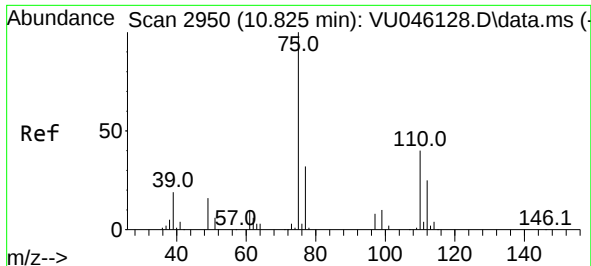
Ion Ratio Lower Upper

173 100

175 47.3 39.2 58.8

254 10.0 7.4 11.2

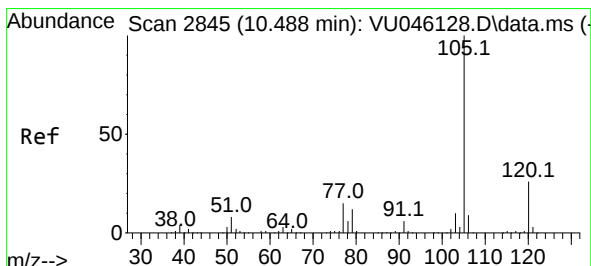
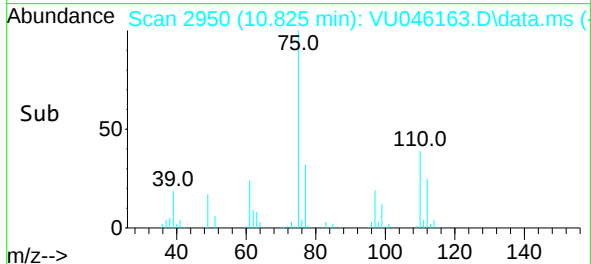
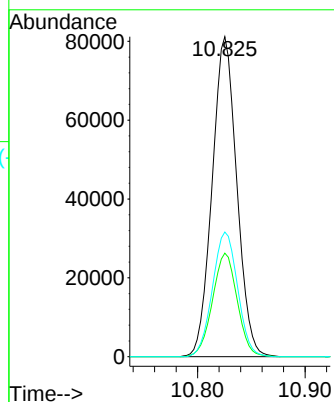
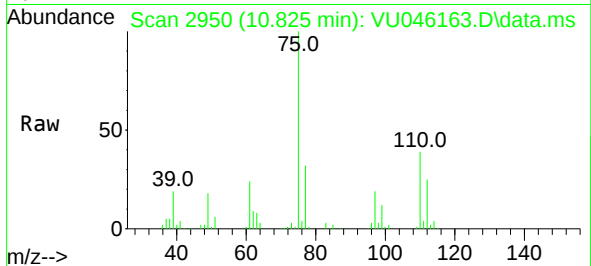




#60
1,2,3-Trichloropropane
Concen: 49.498 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

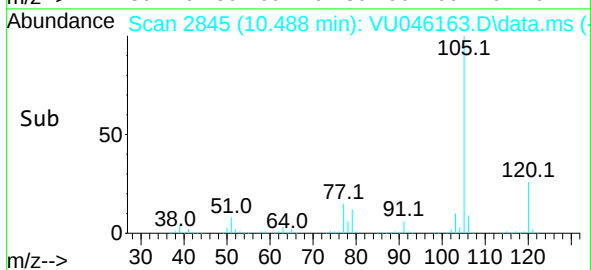
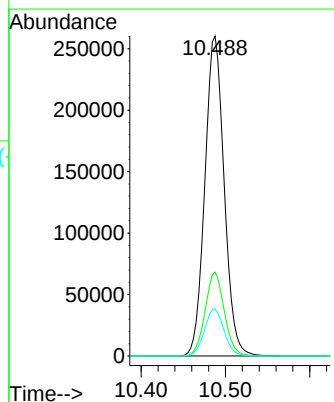
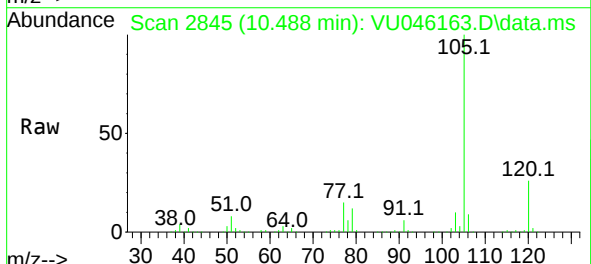
Instrument :
MSVOA_U
ClientSampleId :

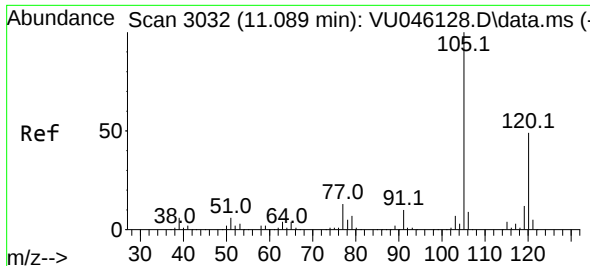
Tgt Ion: 75 Resp: 129124
Ion Ratio Lower Upper
75 100
77 32.4 26.4 39.6
110 39.8 32.4 48.6



#61
Isopropylbenzene
Concen: 53.648 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Tgt Ion: 105 Resp: 415389
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 14.9 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 55.059 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

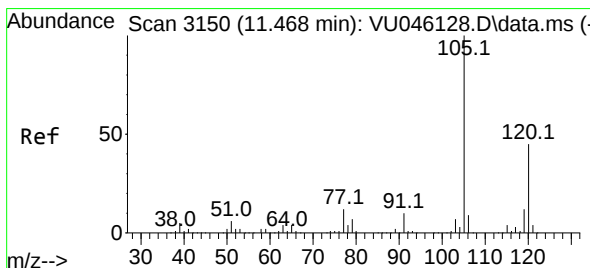
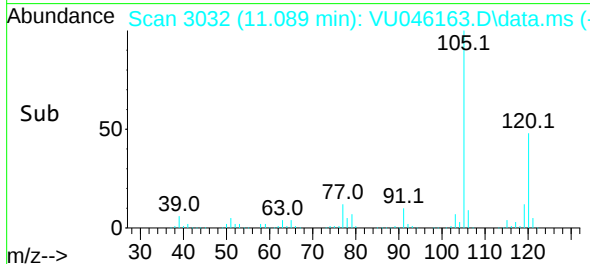
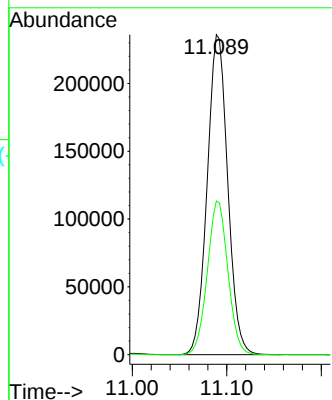
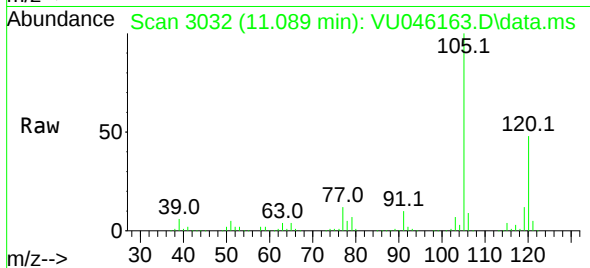
ClientSampleId :

Tgt Ion:105 Resp: 355338

Ion Ratio Lower Upper

105 100

120 48.2 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 55.063 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046163.D

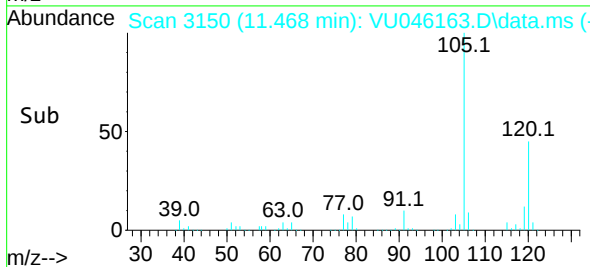
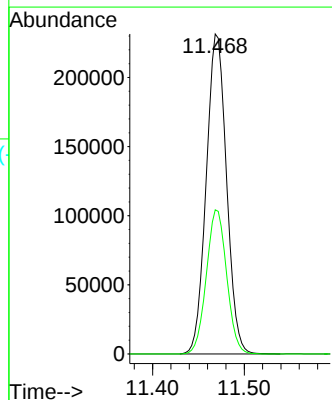
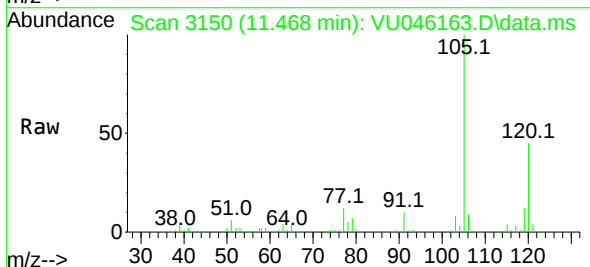
Acq: 08 Dec 2021 10:00

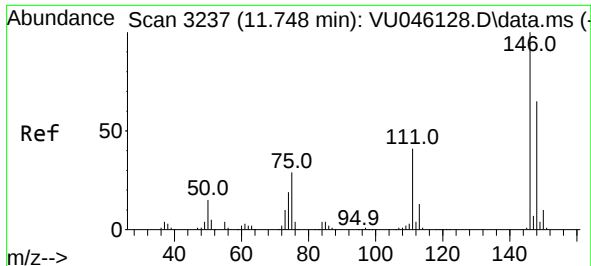
Tgt Ion:105 Resp: 355538

Ion Ratio Lower Upper

105 100

120 45.1 35.2 52.8

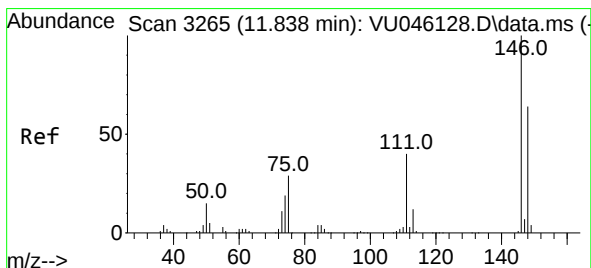
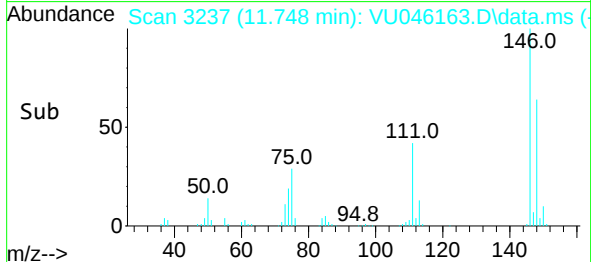
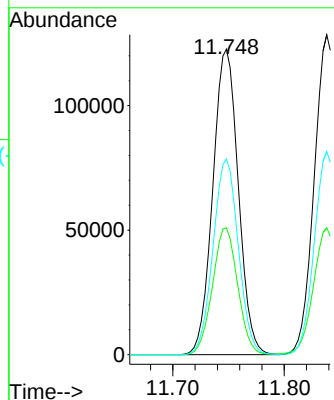
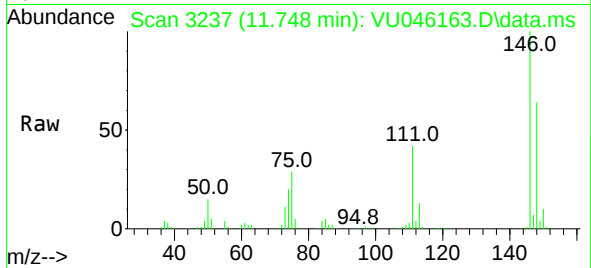




#64
1,3-Dichlorobenzene
Concen: 52.968 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

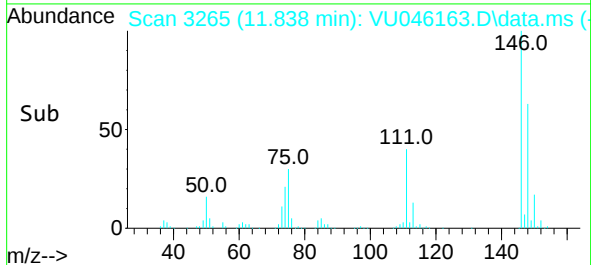
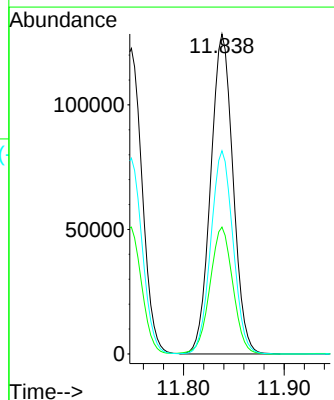
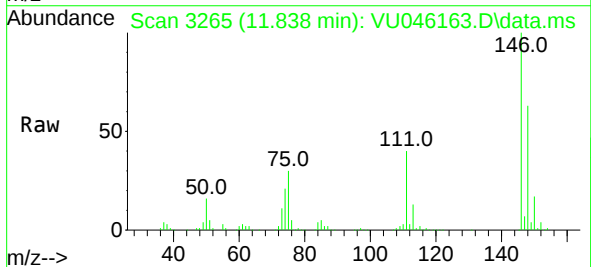
Instrument :
MSVOA_U
ClientSampleId :

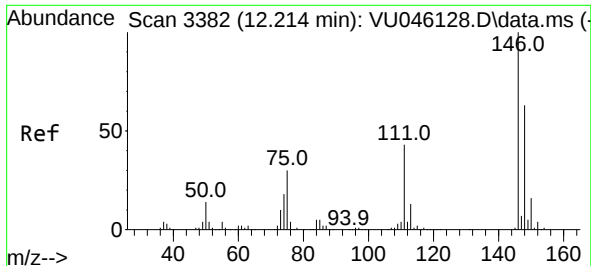
Tgt Ion:146 Resp: 194815
Ion Ratio Lower Upper
146 100
111 41.5 29.5 54.9
148 64.1 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 52.290 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Tgt Ion:146 Resp: 198764
Ion Ratio Lower Upper
146 100
111 39.6 28.3 52.7
148 63.5 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 51.872 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

Instrument :

MSVOA_U

ClientSampleId :

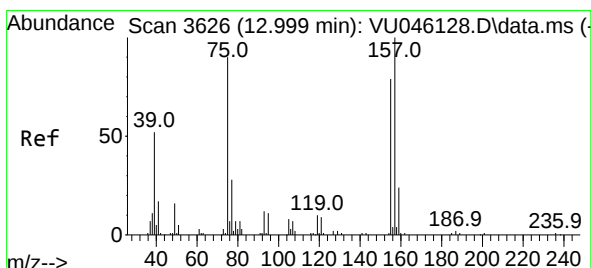
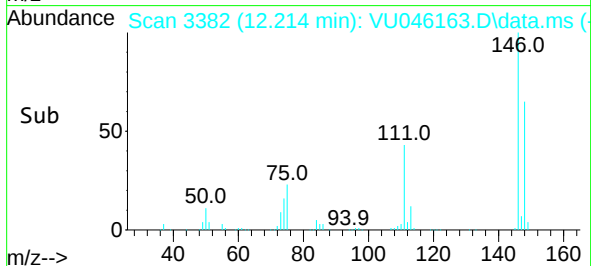
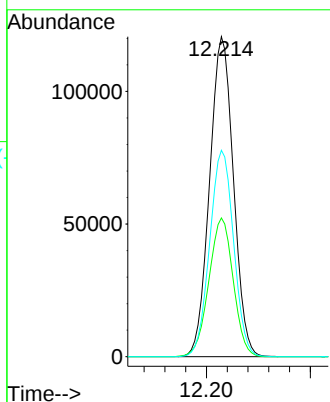
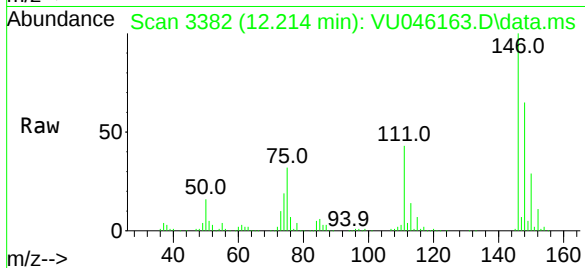
Tgt Ion:146 Resp: 192126

Ion Ratio Lower Upper

146 100

111 43.3 35.7 53.5

148 64.5 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 49.706 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU046163.D

Acq: 08 Dec 2021 10:00

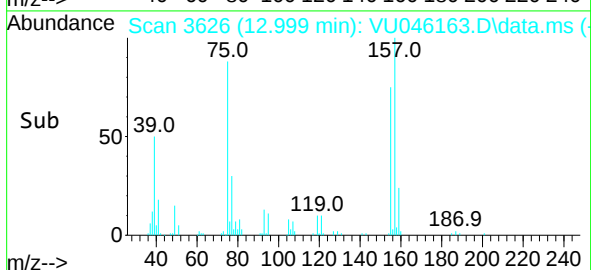
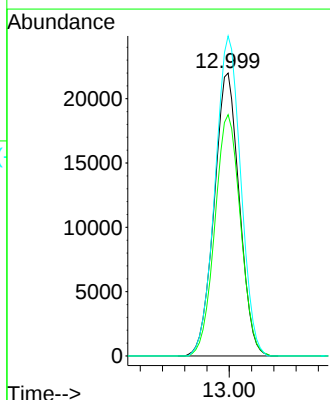
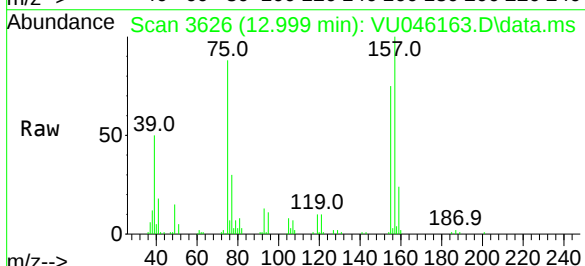
Tgt Ion: 75 Resp: 34543

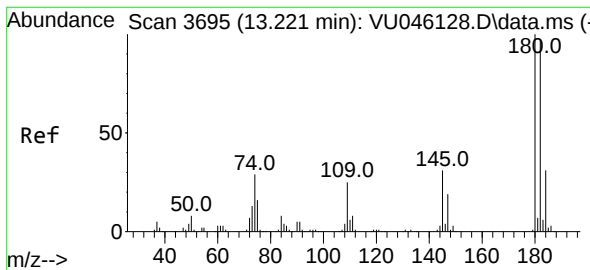
Ion Ratio Lower Upper

75 100

155 85.3 64.9 97.3

157 113.1 81.9 122.9

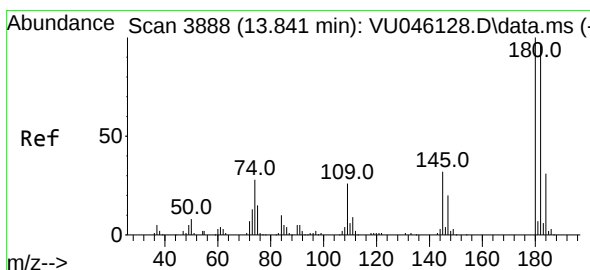
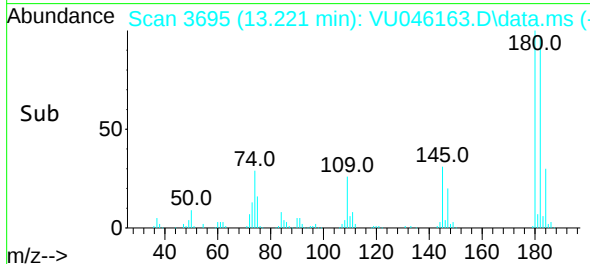
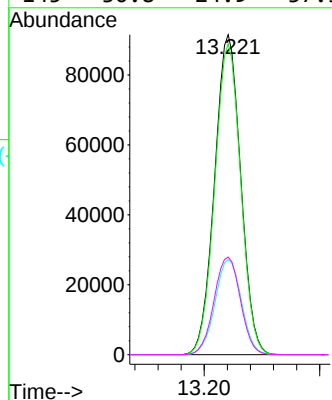
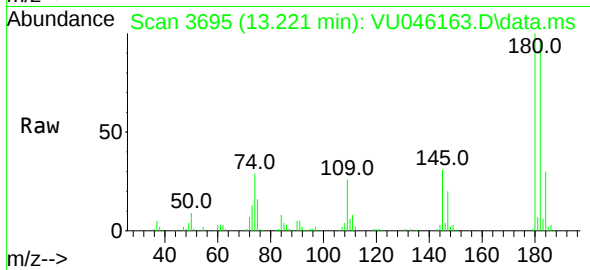




#69
 1,3,5-Trichlorobenzene
 Concen: 53.575 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU046163.D
 Acq: 08 Dec 2021 10:00

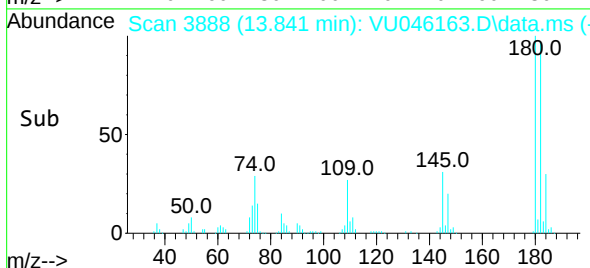
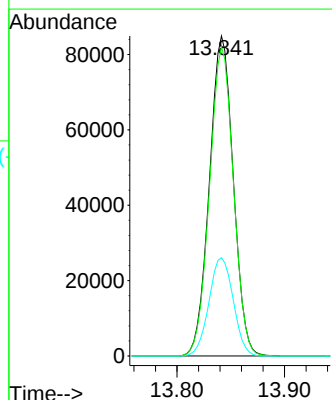
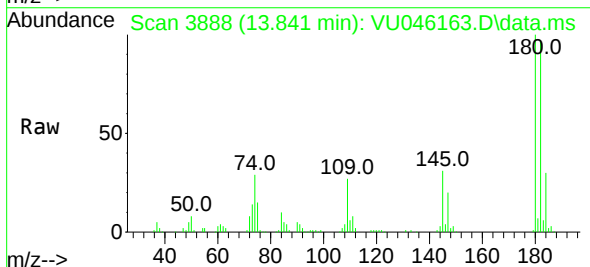
Instrument :
 MSVOA_U
 ClientSampleId :

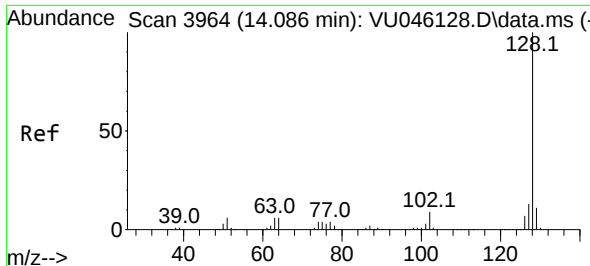
Tgt Ion:180	Resp:	143575
Ion	Ratio	Lower Upper
180	100	
182	96.3	75.9 113.9
184	30.1	24.2 36.4
145	30.8	24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 55.005 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046163.D
 Acq: 08 Dec 2021 10:00

Tgt Ion:180	Resp:	130810
Ion	Ratio	Lower Upper
180	100	
182	96.6	76.7 115.1
145	31.2	26.0 39.0

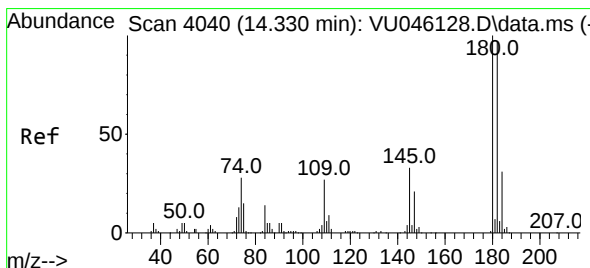
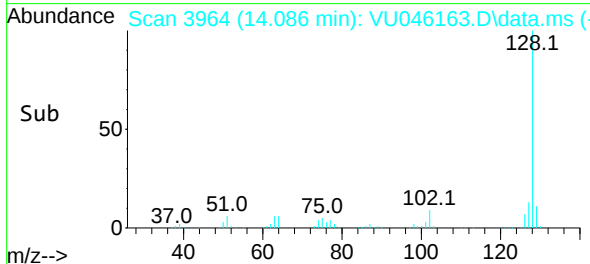
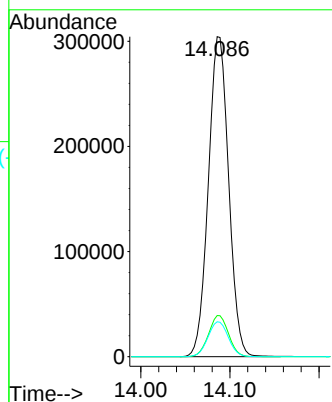
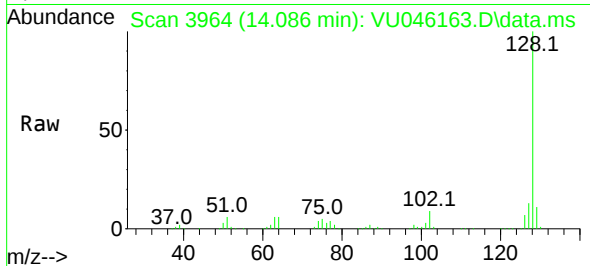




#71
Naphthalene
Concen: 58.121 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 480981
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 54.806 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU046163.D
Acq: 08 Dec 2021 10:00

Tgt Ion:180 Resp: 132908
Ion Ratio Lower Upper
180 100
182 96.4 76.0 114.0
145 33.1 27.3 40.9

