

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046128.D
 Acq On : 07 Dec 2021 10:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 04:51:49 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	252243	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	246106	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	134101	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	96000	46.202	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.400%		
7) Chloroethane-d5	1.919	69	71110	44.573	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.140%		
11) 1,1-Dichloroethene-d2	2.575	63	172696	46.298	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.600%		
21) 2-Butanone-d5	4.639	46	146076	88.435	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.440%		
24) Chloroform-d	5.067	84	165884	47.807	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.620%		
26) 1,2-Dichloroethane-d4	5.707	65	109168	46.880	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.760%		
32) Benzene-d6	5.732	84	355459	50.392	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.780%		
36) 1,2-Dichloropropane-d6	6.694	67	106294	48.623	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.240%		
41) Toluene-d8	7.903	98	331683	51.644	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.280%		
43) trans-1,3-Dichloroprop...	8.182	79	55268	52.372	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	104.740%		
47) 2-Hexanone-d5	8.636	63	109647	105.785	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.780%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	157634	47.547	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.100%		
66) 1,2-Dichlorobenzene-d4	12.195	152	130602	50.571	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.140%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	112509	40.997	ug/L	99
3) Chloromethane	1.523	50	99217	40.420	ug/L	99
5) Vinyl chloride	1.607	62	105707	42.709	ug/L	100
6) Bromomethane	1.864	94	65473	46.673	ug/L	99
8) Chloroethane	1.938	64	61924	43.212	ug/L	96
9) Trichlorofluoromethane	2.144	101	141982	43.940	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	91766	49.997	ug/L	95
12) 1,1-Dichloroethene	2.588	96	84693	48.559	ug/L	86
13) Acetone	2.658	43	158028	76.550	ug/L	95
14) Carbon disulfide	2.800	76	241261	44.586	ug/L	100
15) Methyl Acetate	2.957	43	111522	46.341	ug/L	97
16) Methylene chloride	3.051	84	99891	48.138	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	92128	49.914	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	309617	54.431	ug/L	100
19) 1,1-Dichloroethane	3.877	63	163994	48.867	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	104756	52.307	ug/L	99
22) 2-Butanone	4.719	43	190003	84.548	ug/L	96
23) Bromochloromethane	4.980	128	53872	53.260	ug/L	92
25) Chloroform	5.092	83	181450	48.663	ug/L	99

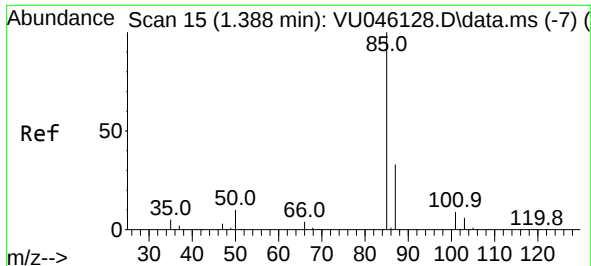
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 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	135779	49.072	ug/L	99
29) Cyclohexane	5.395	56	144261	50.340	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	152510	50.484	ug/L	99
31) Carbon tetrachloride	5.530	117	128710	50.186	ug/L	97
33) Benzene	5.777	78	379267	50.917	ug/L	100
34) Trichloroethene	6.546	95	103498	52.743	ug/L	98
35) Methylcyclohexane	6.768	83	158016	51.934	ug/L	99
37) 1,2-Dichloropropane	6.793	63	97575	50.007	ug/L	99
38) Bromodichloromethane	7.108	83	133801	51.591	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	162842	54.858	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	292490	102.025	ug/L	98
42) Toluene	7.973	91	421776	52.771	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	156484	53.674	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	103145	52.690	ug/L	97
46) Tetrachloroethene	8.555	164	78870	54.693	ug/L	96
48) 2-Hexanone	8.687	43	246687	96.216	ug/L	99
49) Dibromochloromethane	8.813	129	112021	54.493	ug/L	97
50) 1,2-Dibromoethane	8.925	107	113871	53.653	ug/L	97
51) Chlorobenzene	9.449	112	274566	53.099	ug/L	99
52) Ethylbenzene	9.571	91	461750	53.681	ug/L	99
53) m,p-Xylene	9.697	106	181826	54.202	ug/L	99
54) o-xylene	10.102	106	178101	54.715	ug/L	96
55) Styrene	10.118	104	308455	55.504	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.784	83	168817	50.300	ug/L	99
59) Bromoform	10.295	173	83106	52.828	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	143794	48.916	ug/L	99
61) Isopropylbenzene	10.488	105	467424	53.572	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	400351	55.050	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	405558	55.739	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	223220	53.859	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	228164	53.267	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	221669	53.111	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	41293	52.729	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	164842	54.586	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	157213	58.666	ug/L	99
71) Naphthalene	14.086	128	562216	60.289	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	155204	56.795	ug/L	99

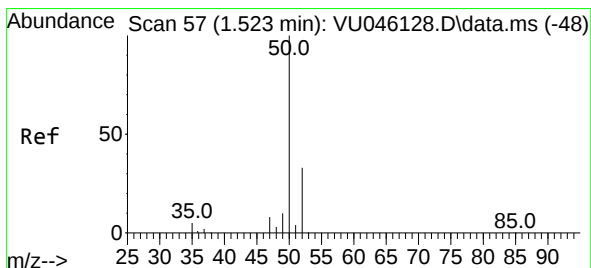
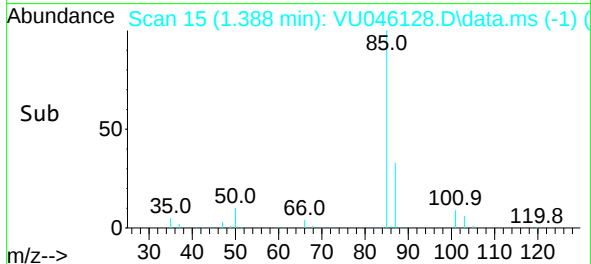
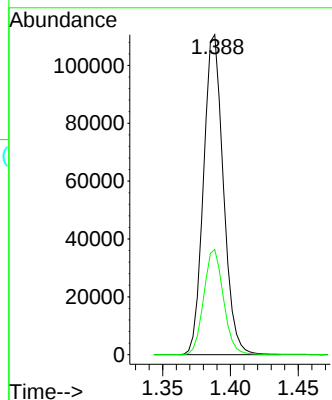
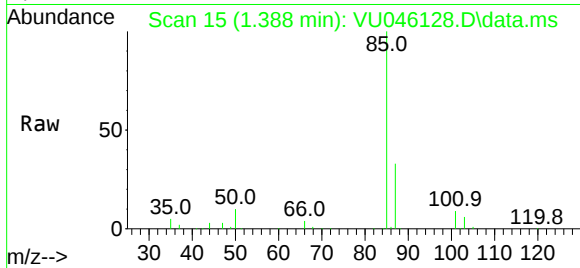
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#2
Dichlorodifluoromethane
Concen: 40.997 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

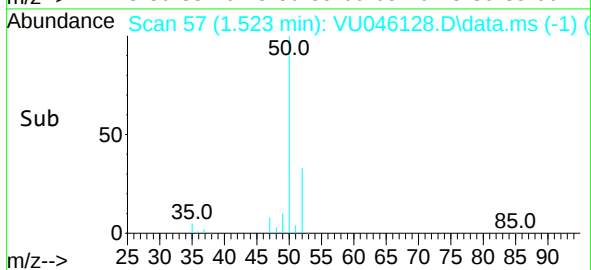
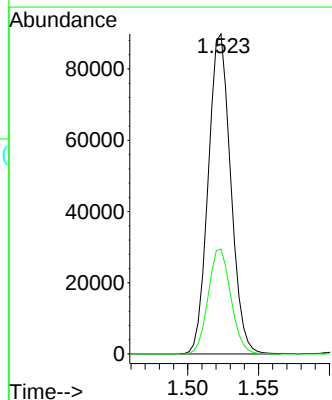
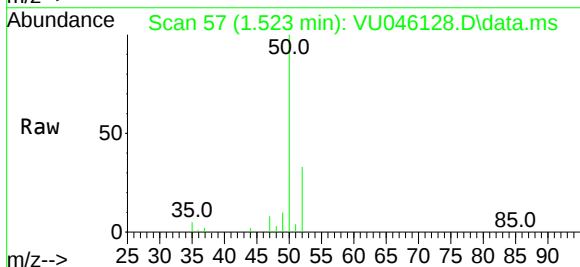
Instrument :
MSVOA_U
ClientSampleId :

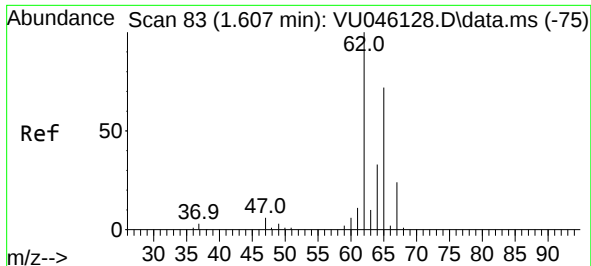
Tgt Ion: 85 Resp: 112509
Ion Ratio Lower Upper
85 100
87 32.6 25.7 38.5



#3
Chloromethane
Concen: 40.420 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion: 50 Resp: 99217
Ion Ratio Lower Upper
50 100
52 32.8 23.2 43.2

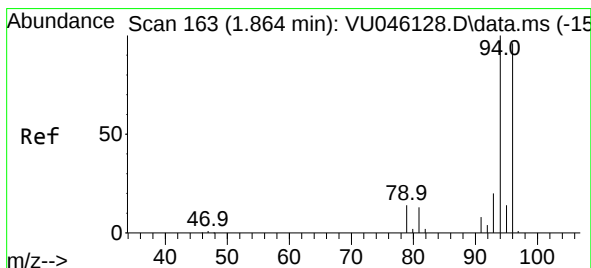
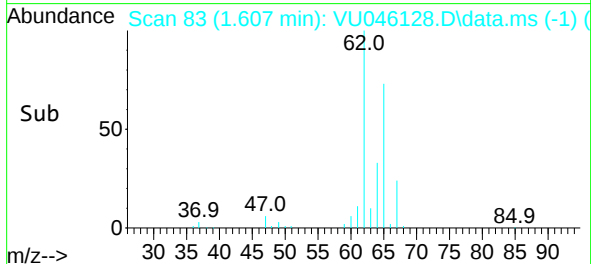
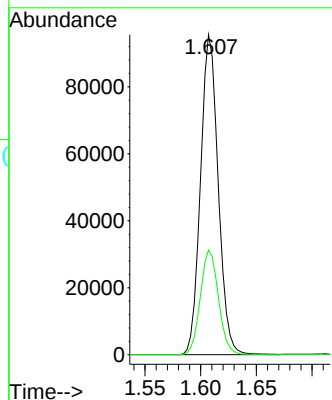
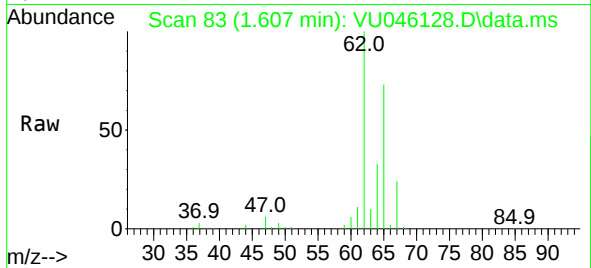




#5
 Vinyl chloride
 Concen: 42.709 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU046128.D
 Acq: 07 Dec 2021 10:11

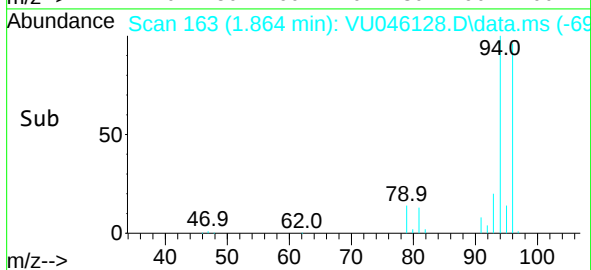
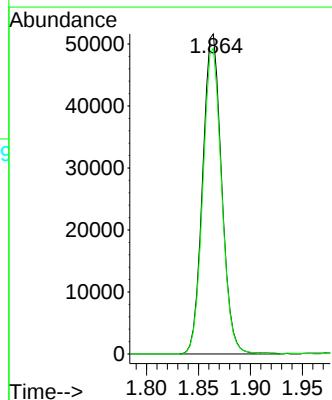
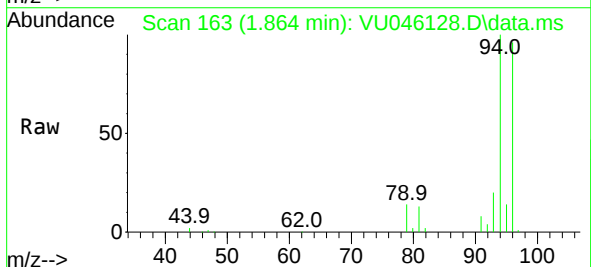
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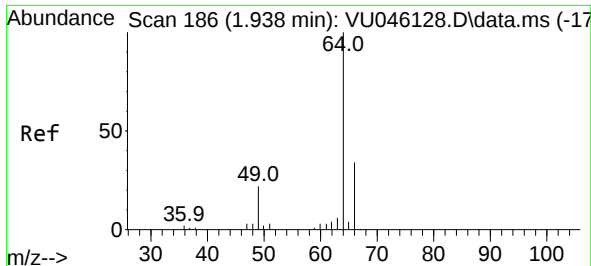
Tgt Ion: 62 Resp: 105707
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.9 42.5



#6
 Bromomethane
 Concen: 46.673 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.003 min
 Lab File: VU046128.D
 Acq: 07 Dec 2021 10:11

Tgt Ion: 94 Resp: 65473
 Ion Ratio Lower Upper
 94 100
 96 95.6 67.4 125.2

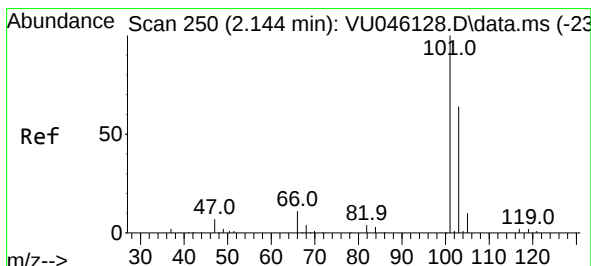
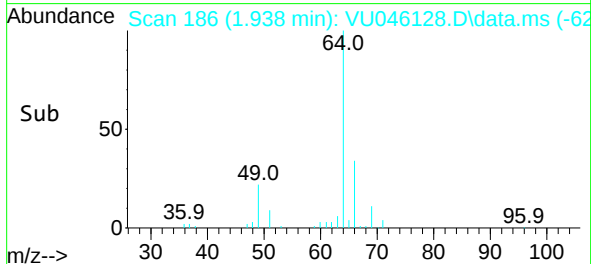
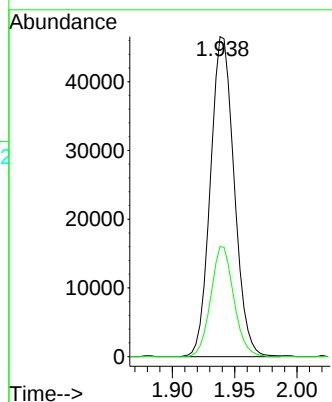
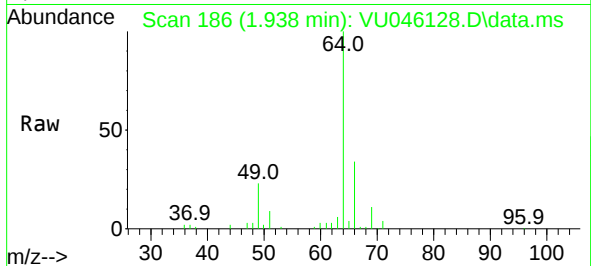




#8
Chloroethane
Concen: 43.212 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

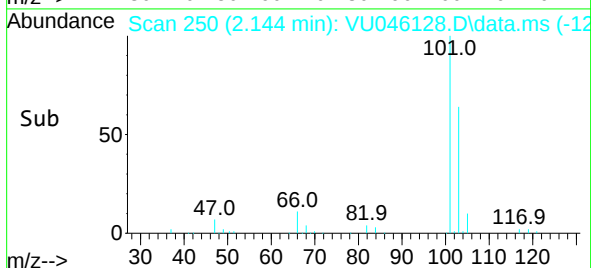
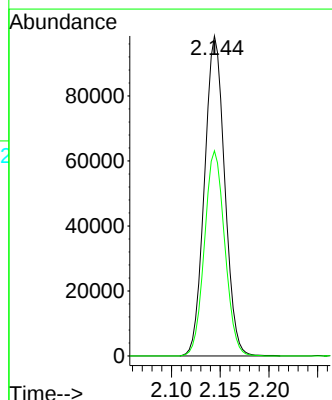
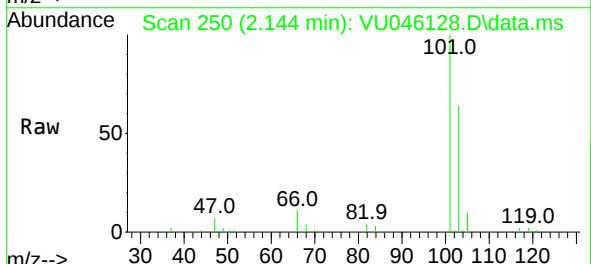
Instrument :
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ClientSampleId :

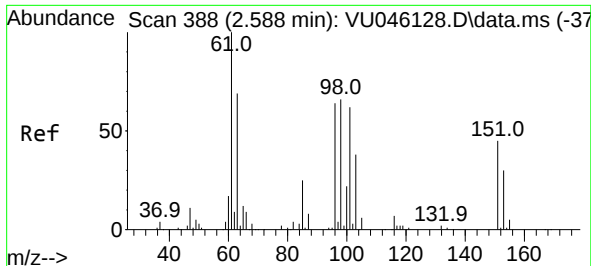
Tgt Ion: 64 Resp: 61924
Ion Ratio Lower Upper
64 100
66 34.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 43.940 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion:101 Resp: 141982
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.6

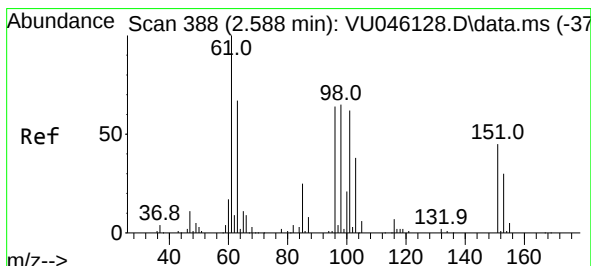
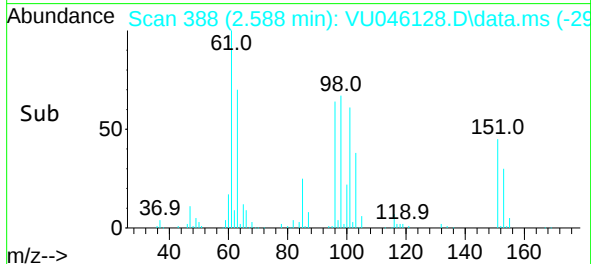
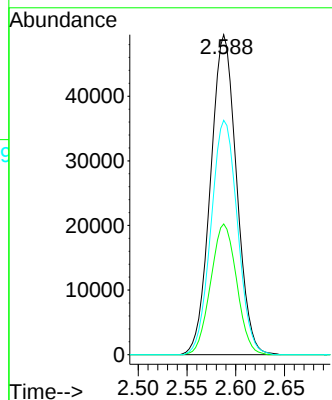
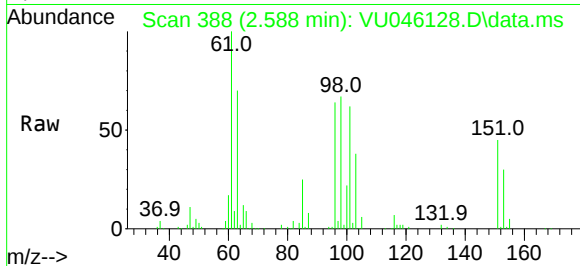




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.997 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046128.D
 Acq: 07 Dec 2021 10:11

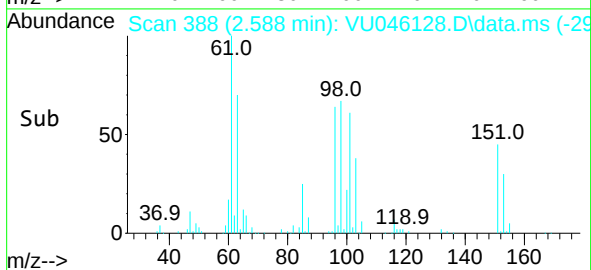
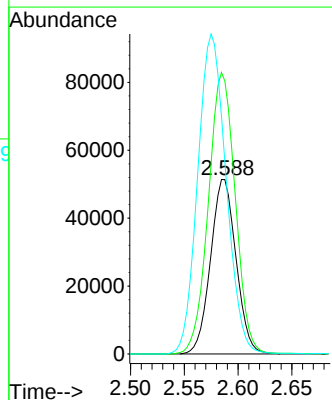
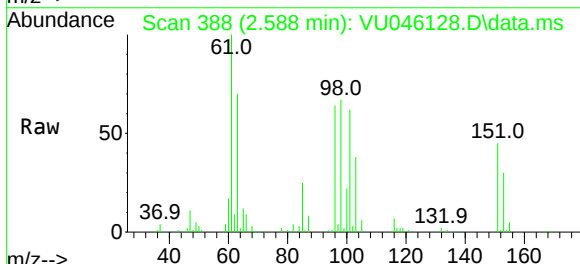
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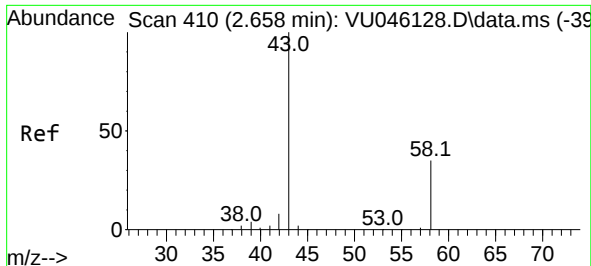
Tgt Ion:101 Resp: 91766
 Ion Ratio Lower Upper
 101 100
 85 40.8 35.1 52.7
 151 74.8 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 48.559 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046128.D
 Acq: 07 Dec 2021 10:11

Tgt Ion: 96 Resp: 84693
 Ion Ratio Lower Upper
 96 100
 61 156.5 118.6 220.2
 63 110.1 93.0 172.8

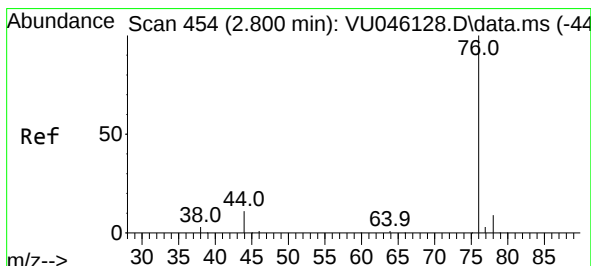
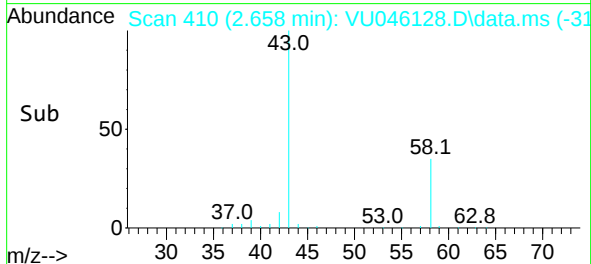
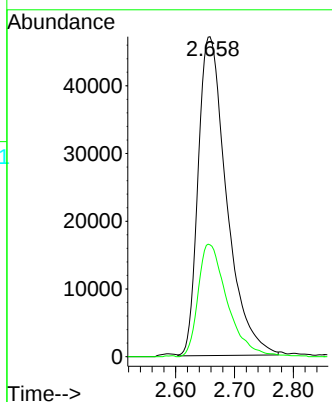
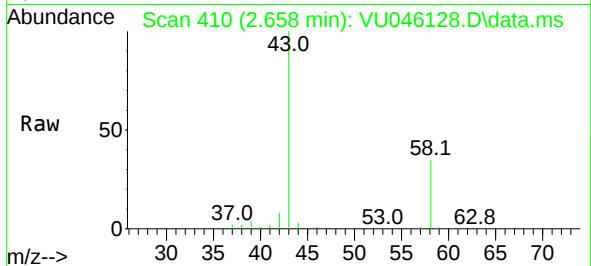




#13
Acetone
Concen: 76.550 ug/L
RT: 2.658 min Scan# 410
Delta R.T. -0.003 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

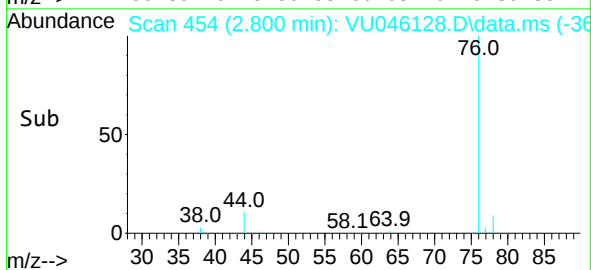
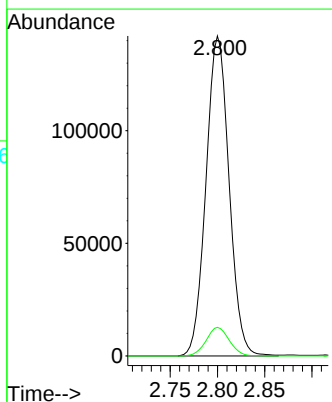
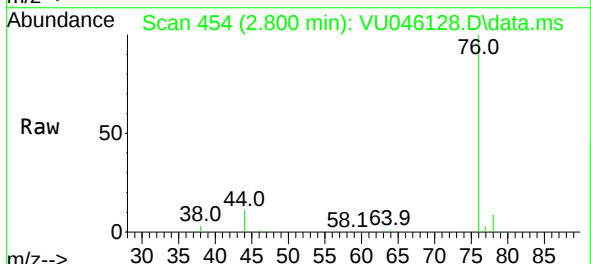
Instrument :
MSVOA_U
ClientSampleId :

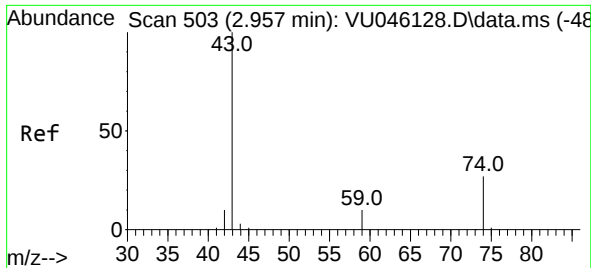
Tgt Ion: 43 Resp: 158028
Ion Ratio Lower Upper
43 100
58 36.3 0.0 66.8



#14
Carbon disulfide
Concen: 44.586 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion: 76 Resp: 241261
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

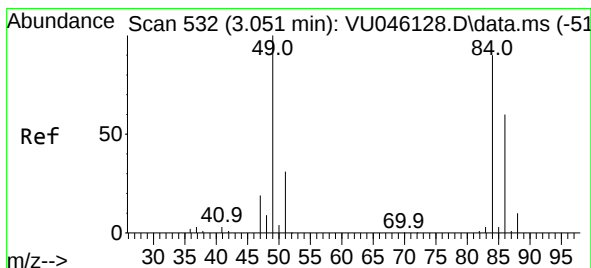
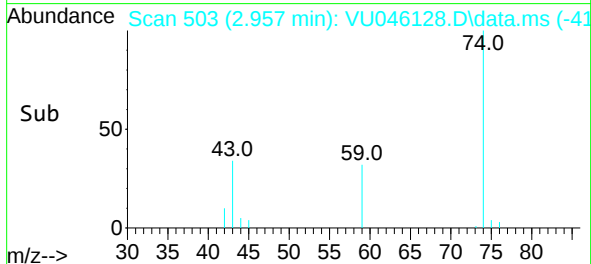
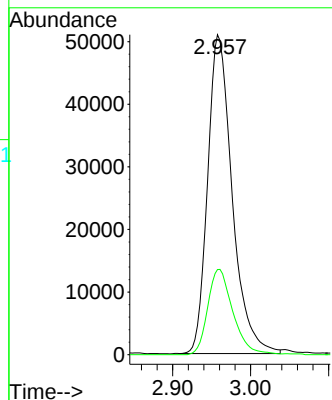
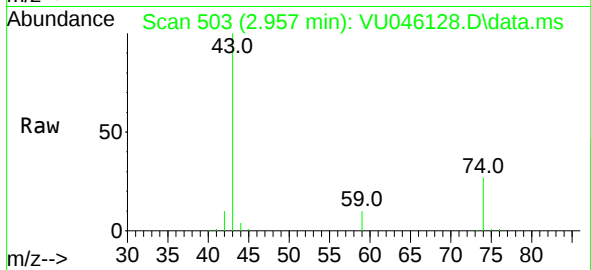




#15
Methyl Acetate
Concen: 46.341 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

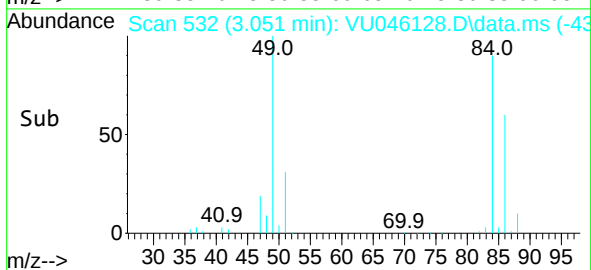
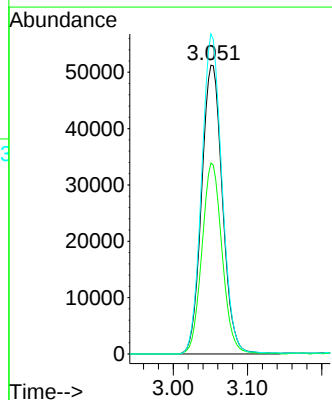
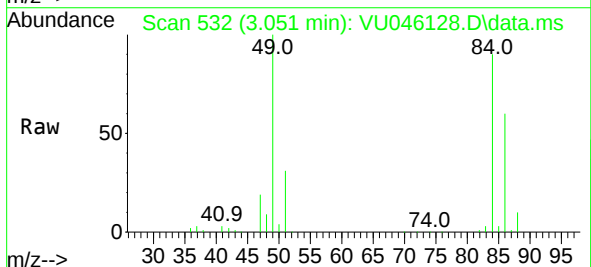
Instrument :
MSVOA_U
ClientSampleId :

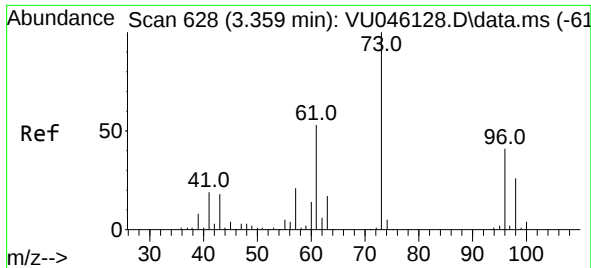
Tgt Ion: 43 Resp: 111522
Ion Ratio Lower Upper
43 100
74 27.4 20.8 31.2



#16
Methylene chloride
Concen: 48.138 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion: 84 Resp: 99891
Ion Ratio Lower Upper
84 100
86 66.1 44.7 83.1
49 110.8 78.4 145.6

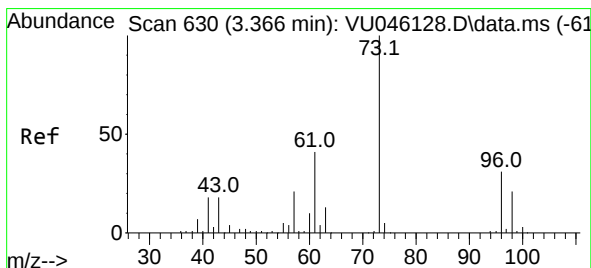
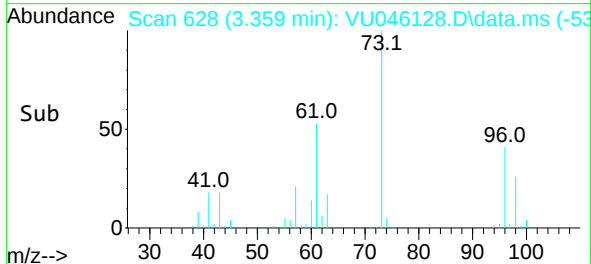
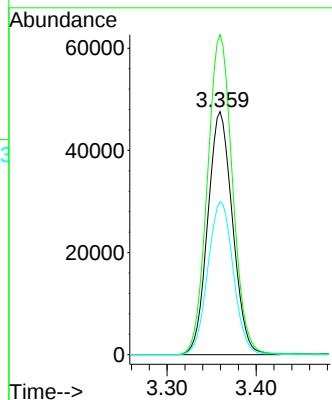
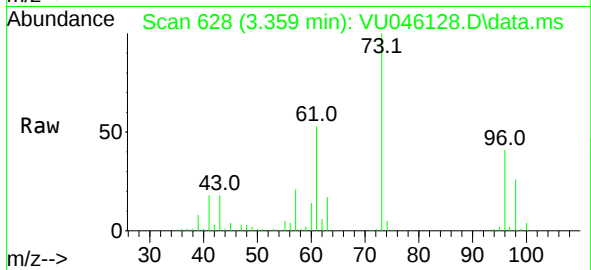




#17
 trans-1,2-Dichloroethene
 Concen: 49.914 ug/L
 RT: 3.359 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU046128.D
 Acq: 07 Dec 2021 10:11

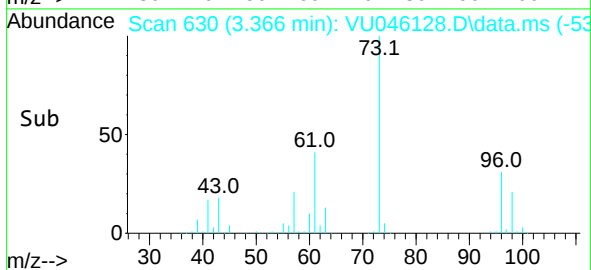
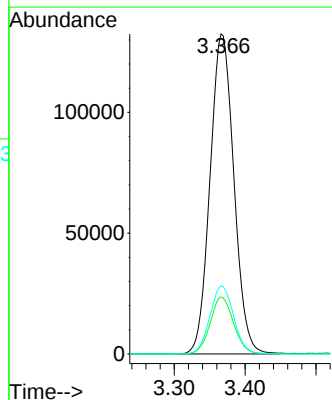
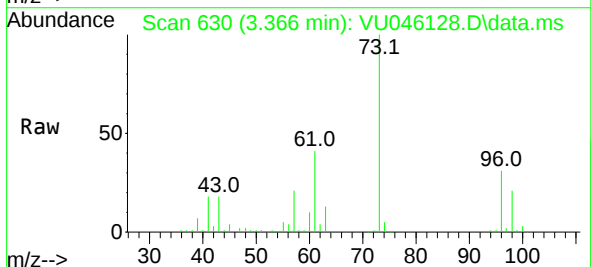
Instrument :
 MSVOA_U
 ClientSampleId :

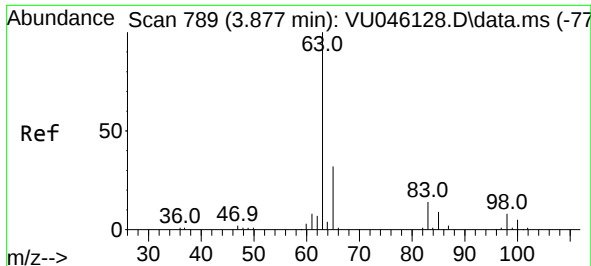
Tgt Ion: 96 Resp: 92128
 Ion Ratio Lower Upper
 96 100
 61 131.6 94.6 175.6
 98 62.9 44.0 81.8



#18
 Methyl tert-butyl Ether
 Concen: 54.431 ug/L
 RT: 3.366 min Scan# 630
 Delta R.T. -0.003 min
 Lab File: VU046128.D
 Acq: 07 Dec 2021 10:11

Tgt Ion: 73 Resp: 309617
 Ion Ratio Lower Upper
 73 100
 43 17.4 14.0 21.0
 57 21.2 17.0 25.4





#19

1,1-Dichloroethane

Concen: 48.867 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

Instrument :

MSVOA_U

ClientSampleId :

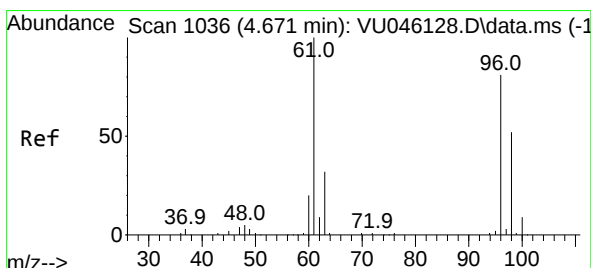
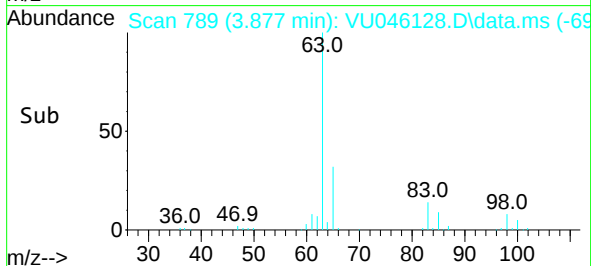
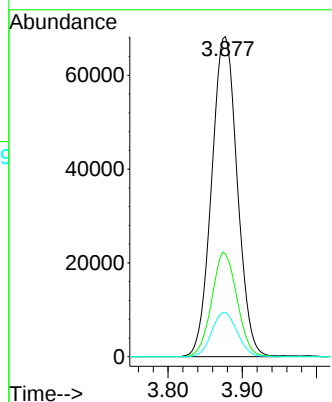
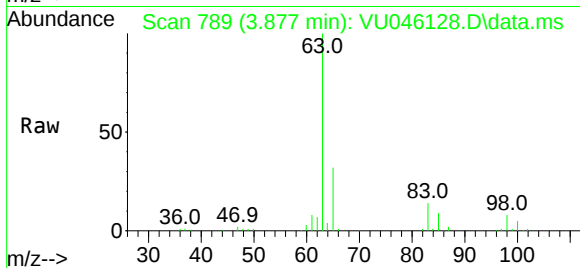
Tgt Ion: 63 Resp: 163994

Ion Ratio Lower Upper

63 100

65 32.2 22.8 42.4

83 13.9 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 52.307 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

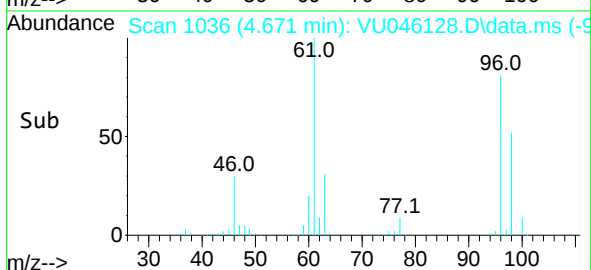
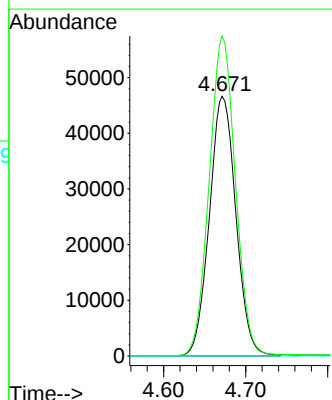
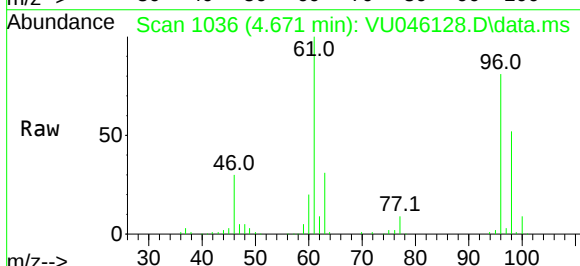
Tgt Ion: 96 Resp: 104756

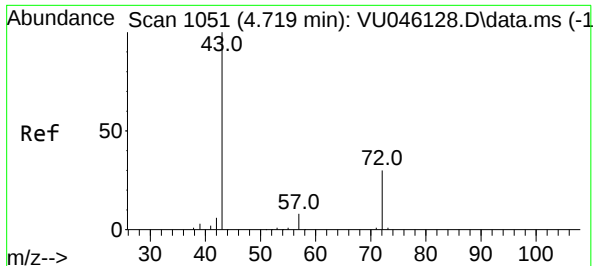
Ion Ratio Lower Upper

96 100

61 123.3 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 84.548 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. -0.003 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

Instrument :

MSVOA_U

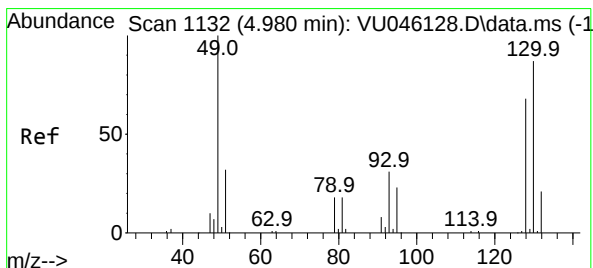
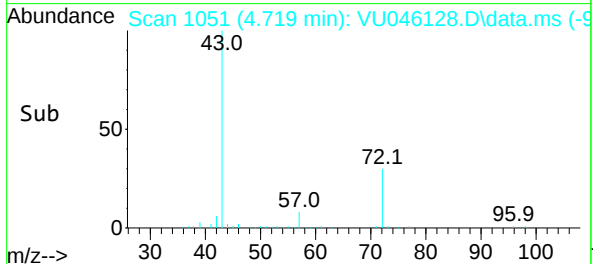
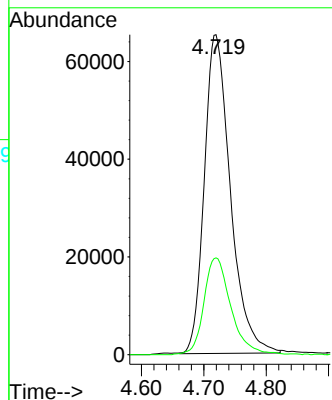
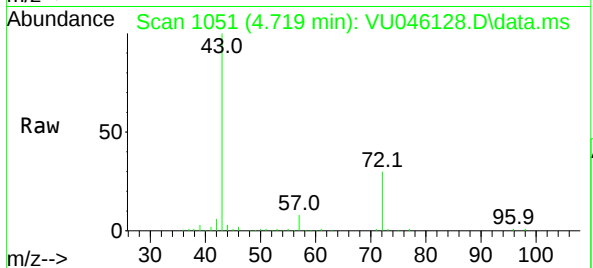
ClientSampleId :

Tgt Ion: 43 Resp: 190003

Ion Ratio Lower Upper

43 100

72 31.2 14.5 43.6



#23

Bromochloromethane

Concen: 53.260 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

Tgt Ion:128 Resp: 53872

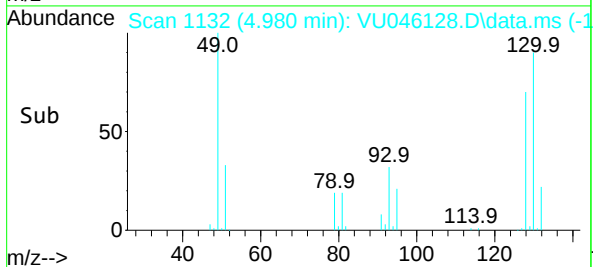
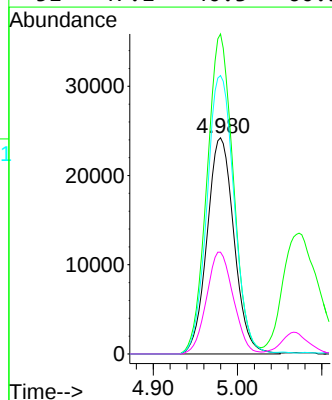
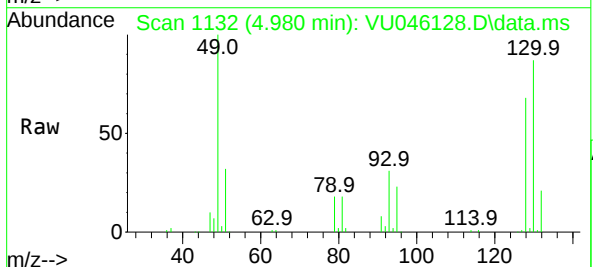
Ion Ratio Lower Upper

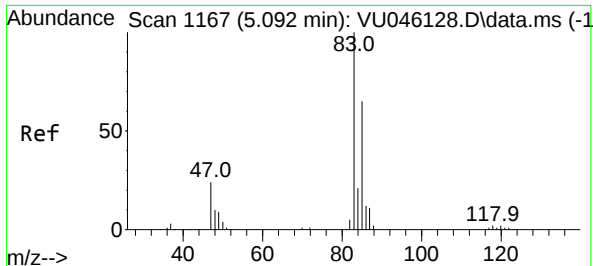
128 100

49 148.0 115.9 215.3

130 128.7 91.8 170.4

51 47.1 40.3 60.5

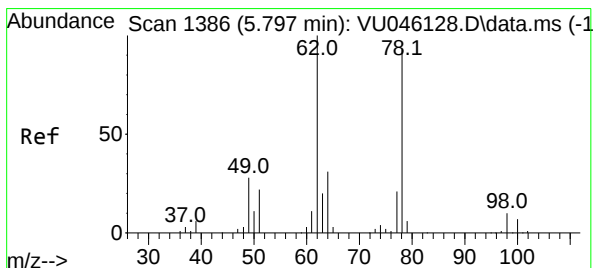
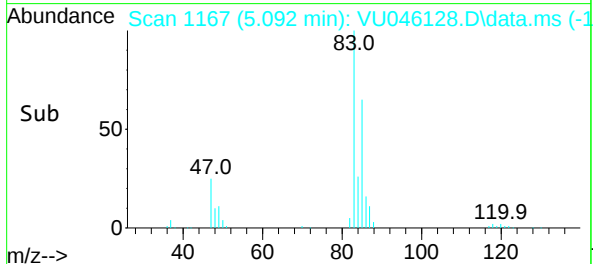
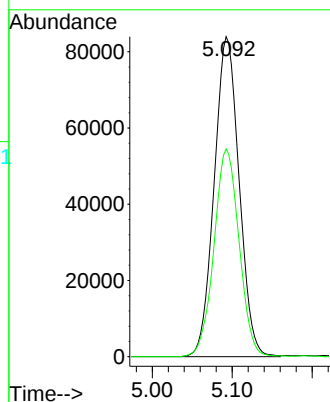
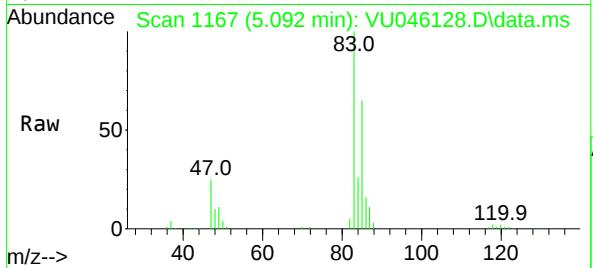




#25
Chloroform
Concen: 48.663 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

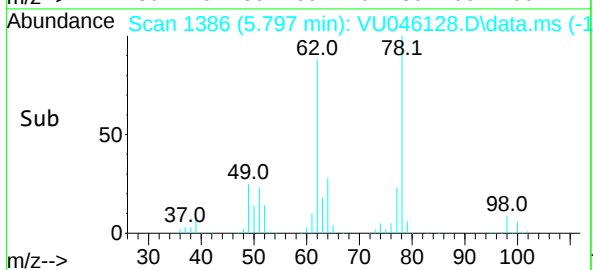
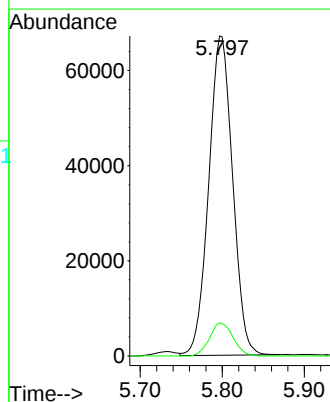
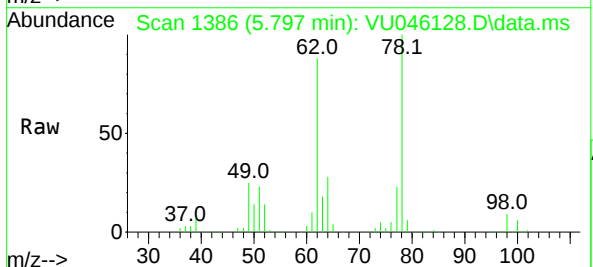
Instrument :
MSVOA_U
ClientSampleId :

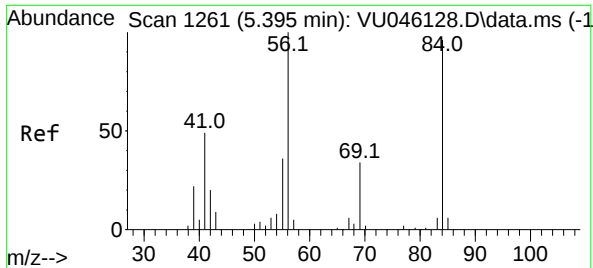
Tgt Ion: 83 Resp: 181450
Ion Ratio Lower Upper
83 100
85 64.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 49.072 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion: 62 Resp: 135779
Ion Ratio Lower Upper
62 100
98 10.3 7.9 11.9





#29

Cyclohexane

Concen: 50.340 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

Instrument :

MSVOA_U

ClientSampleId :

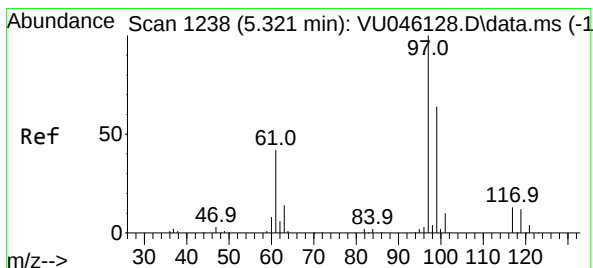
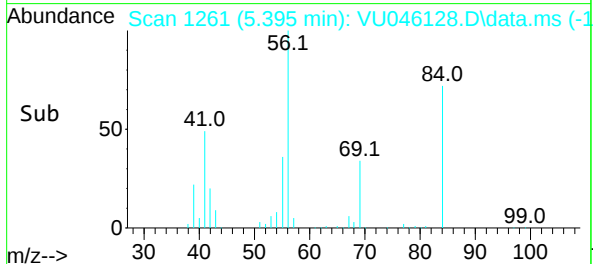
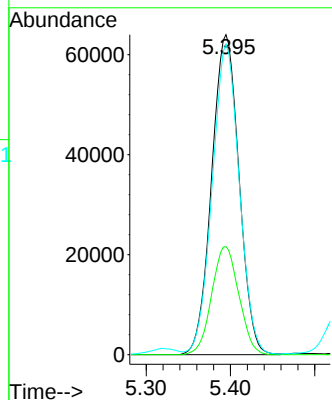
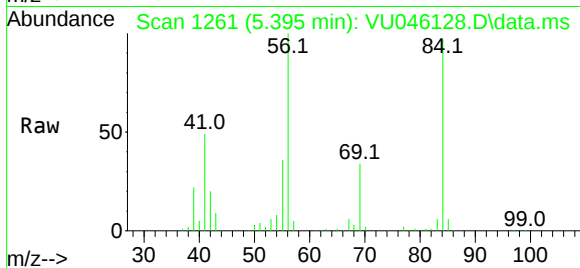
Tgt Ion: 56 Resp: 144261

Ion Ratio Lower Upper

56 100

69 33.5 25.2 37.8

84 95.9 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 50.484 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

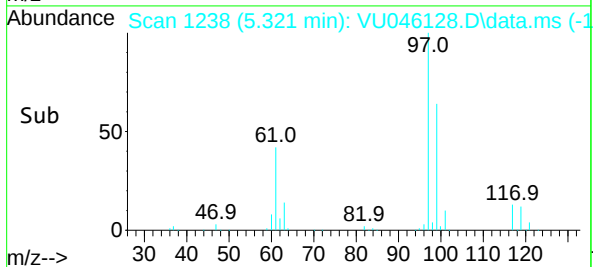
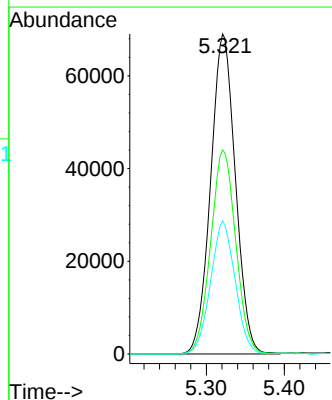
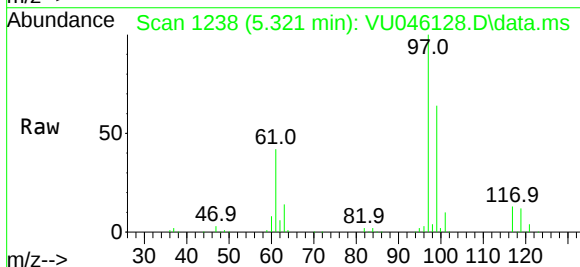
Tgt Ion: 97 Resp: 152510

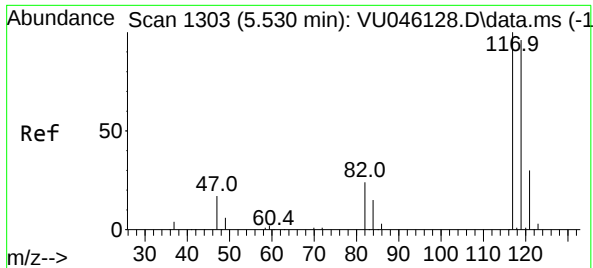
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 41.2 34.4 51.6

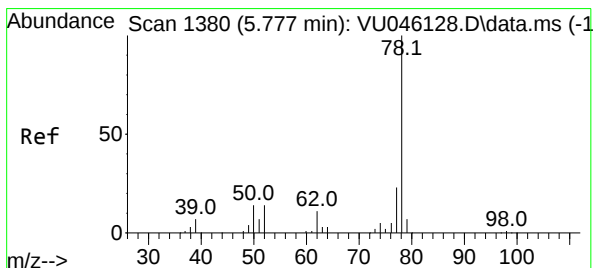
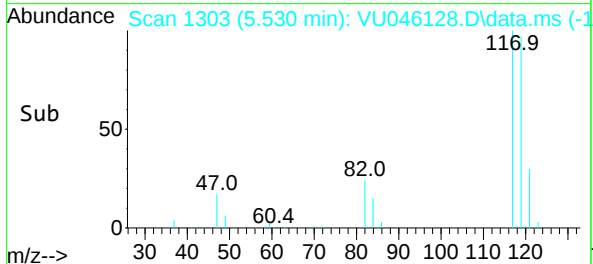
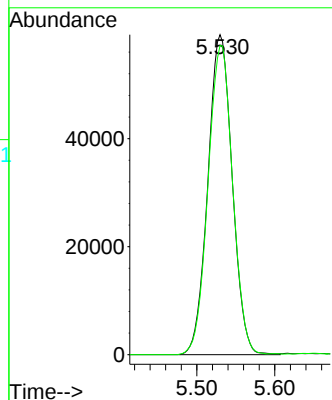
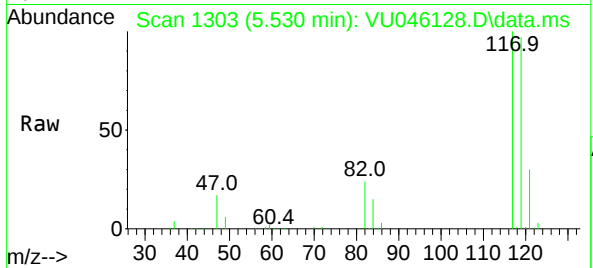




#31
Carbon tetrachloride
Concen: 50.186 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

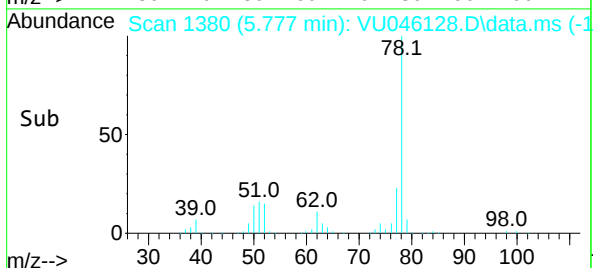
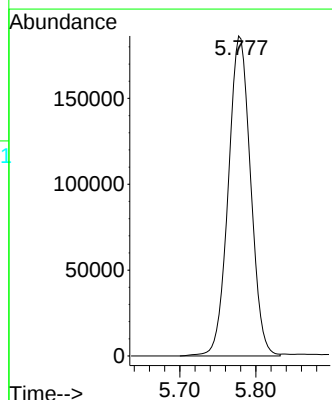
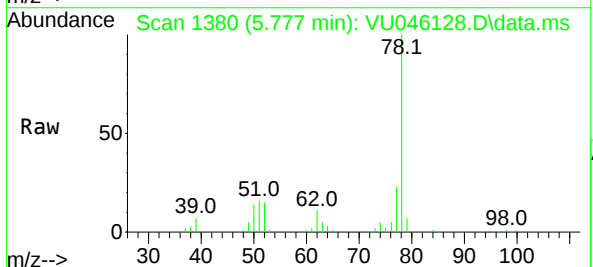
Instrument :
MSVOA_U
ClientSampleId :

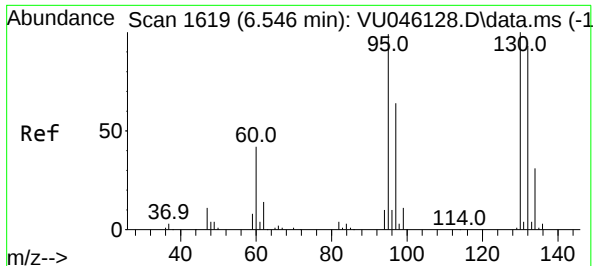
Tgt Ion:117 Resp: 128710
Ion Ratio Lower Upper
117 100
119 97.5 75.7 113.5



#33
Benzene
Concen: 50.917 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

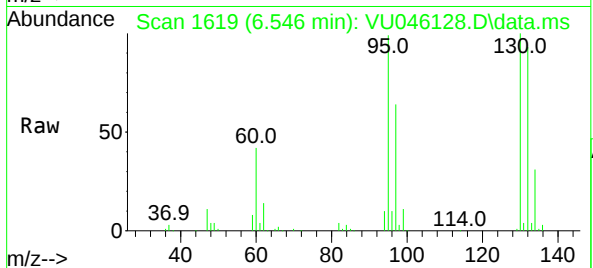
Tgt Ion: 78 Resp: 379267



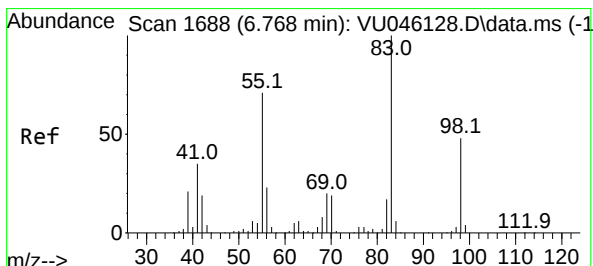
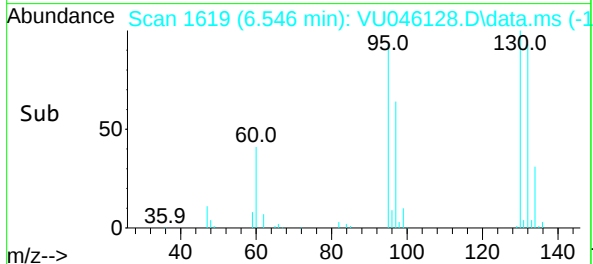
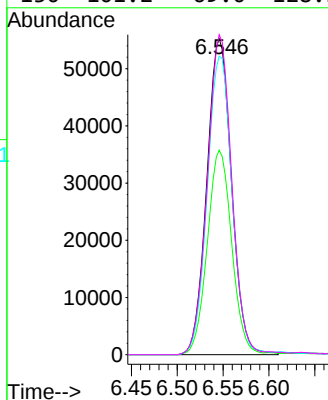


#34
Trichloroethene
Concen: 52.743 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Instrument :
MSVOA_U
ClientSampleId :

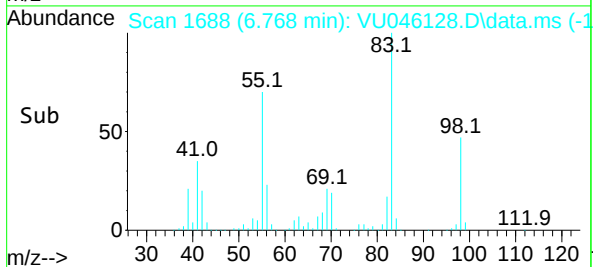
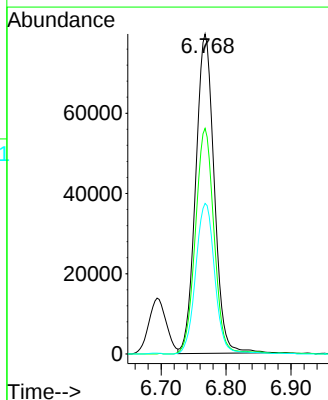
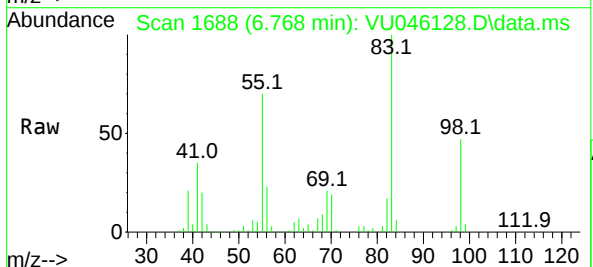


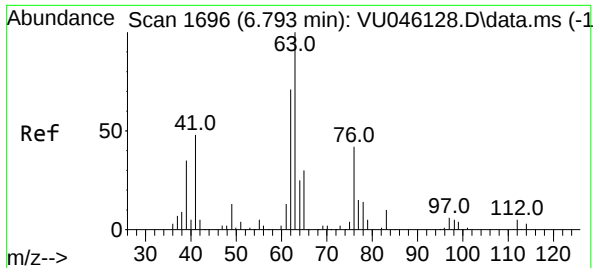
Tgt Ion: 95 Resp: 103498
Ion Ratio Lower Upper
95 100
97 64.7 44.1 81.9
132 94.5 66.8 124.0
130 101.2 69.0 128.1



#35
Methylcyclohexane
Concen: 51.934 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion: 83 Resp: 158016
Ion Ratio Lower Upper
83 100
55 70.5 57.8 86.6
98 48.2 38.4 57.6

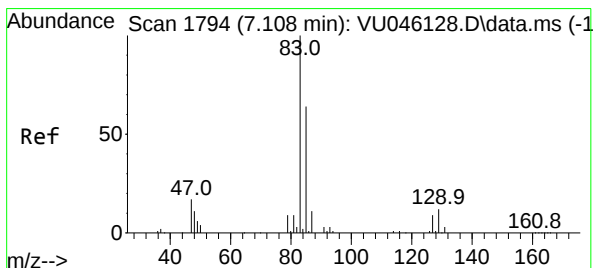
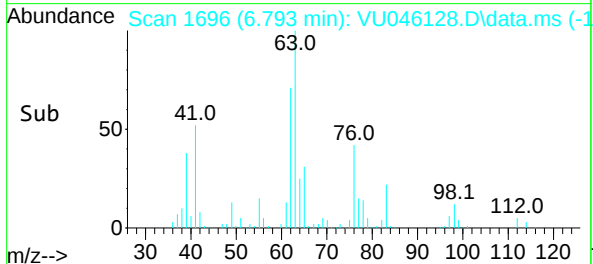
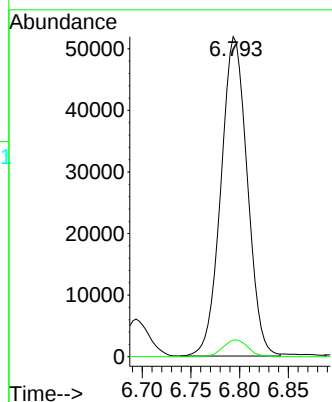
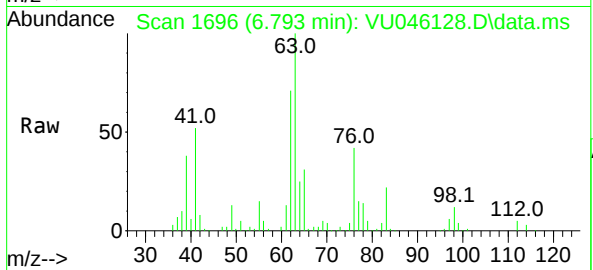




#37
1,2-Dichloropropane
Concen: 50.007 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

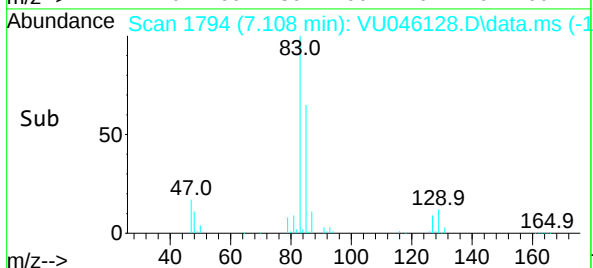
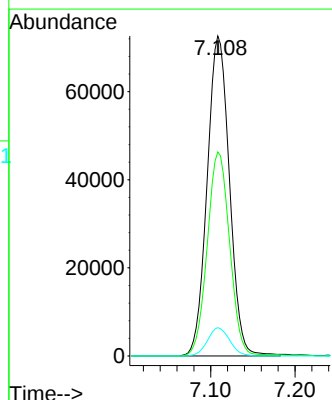
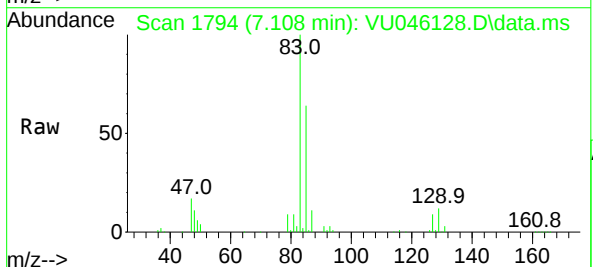
Instrument :
MSVOA_U
ClientSampleId :

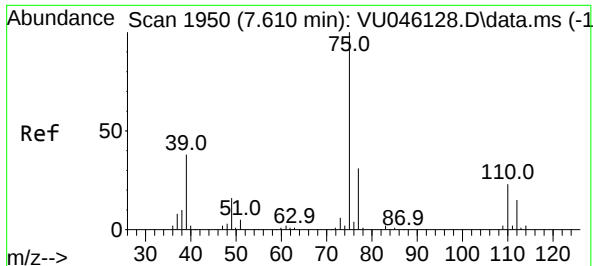
Tgt Ion: 63 Resp: 97575
Ion Ratio Lower Upper
63 100
112 5.0 3.8 5.6



#38
Bromodichloromethane
Concen: 51.591 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion: 83 Resp: 133801
Ion Ratio Lower Upper
83 100
85 63.7 44.4 82.5
127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 54.858 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

Instrument :

MSVOA_U

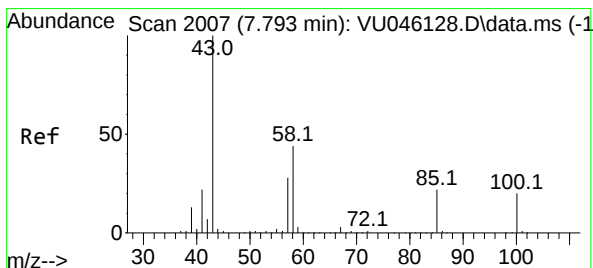
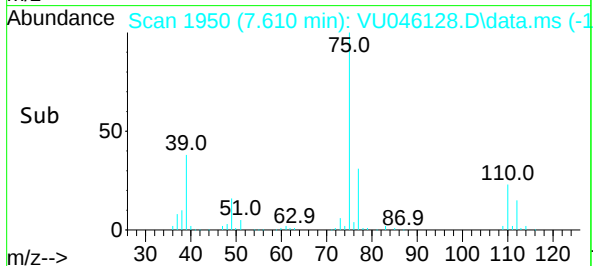
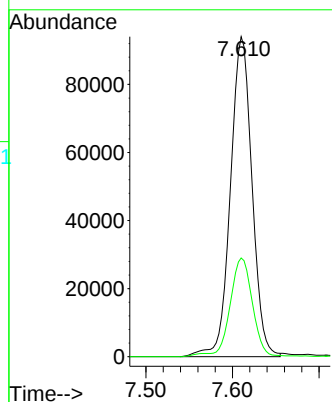
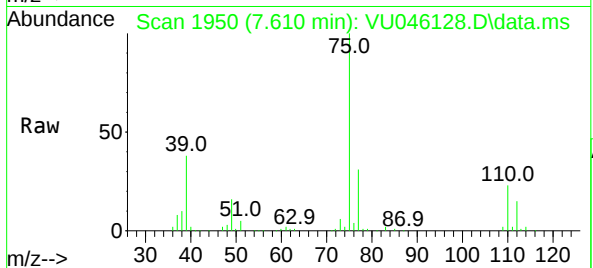
ClientSampleId :

Tgt Ion: 75 Resp: 162842

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 102.025 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

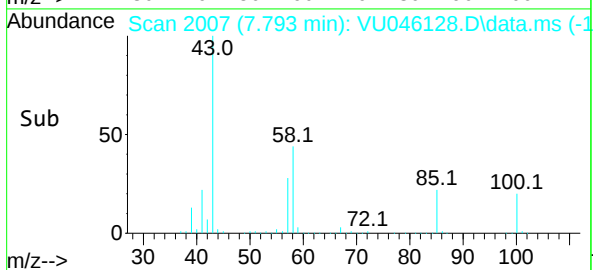
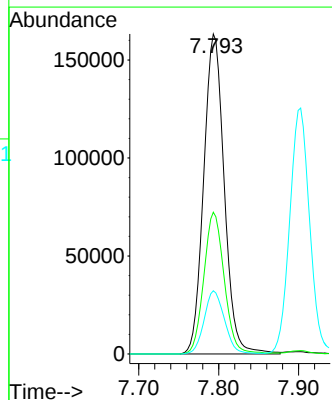
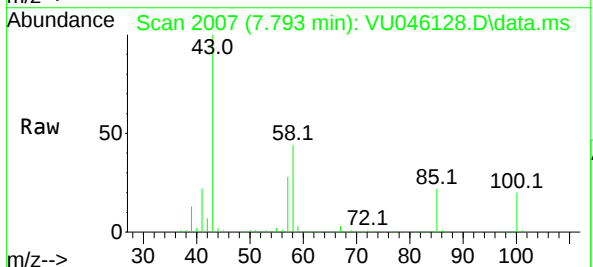
Tgt Ion: 43 Resp: 292490

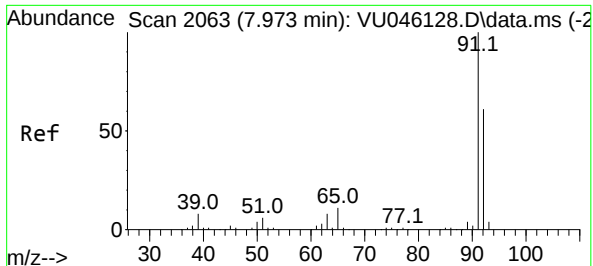
Ion Ratio Lower Upper

43 100

58 43.9 34.2 51.4

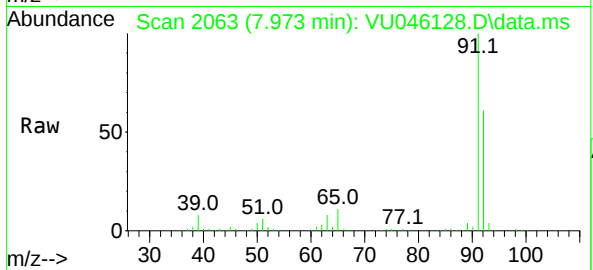
100 19.5 14.5 21.7



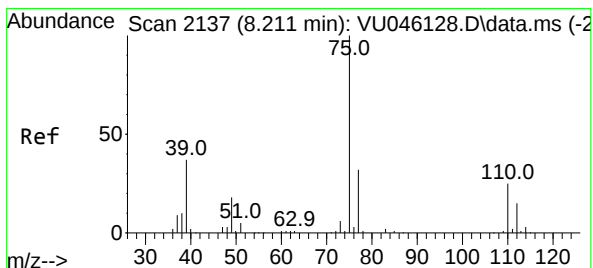
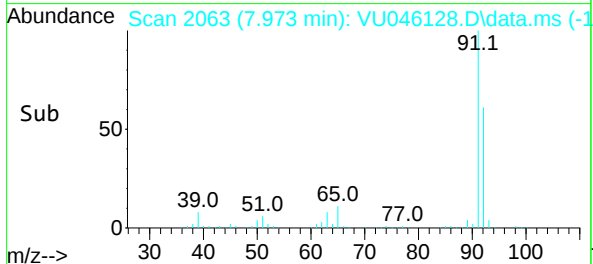
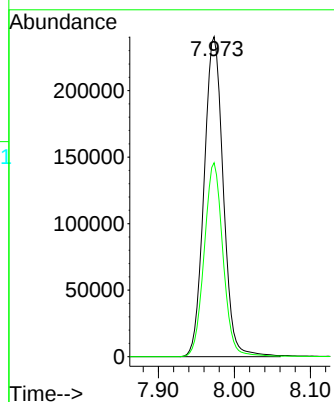


#42
Toluene
Concen: 52.771 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Instrument :
MSVOA_U
ClientSampleId :

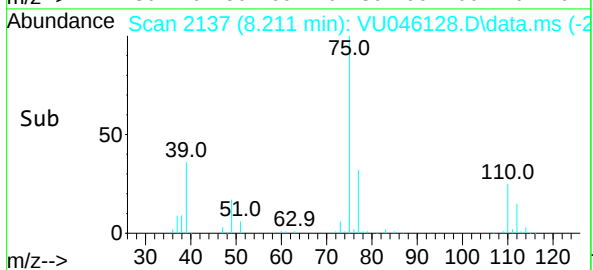
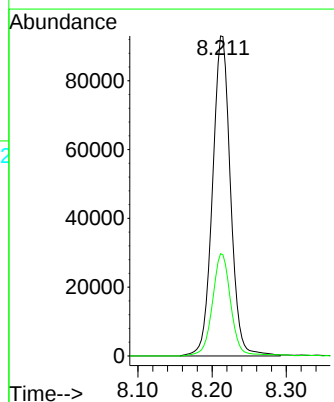
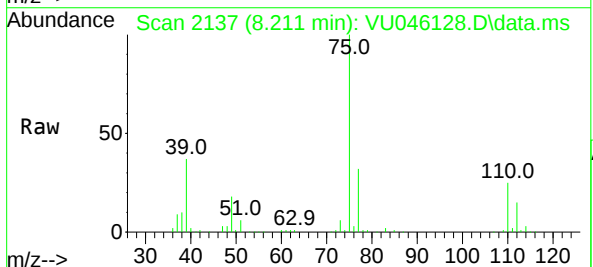


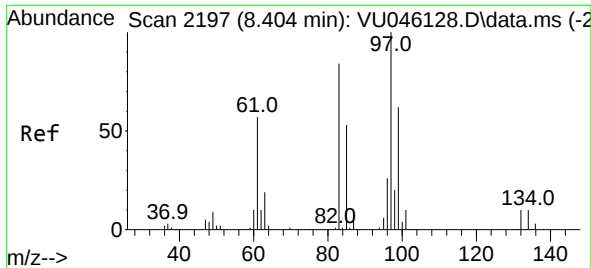
Tgt Ion: 91 Resp: 421776
Ion Ratio Lower Upper
91 100
92 60.6 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 53.674 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion: 75 Resp: 156484
Ion Ratio Lower Upper
75 100
77 32.0 21.7 40.3



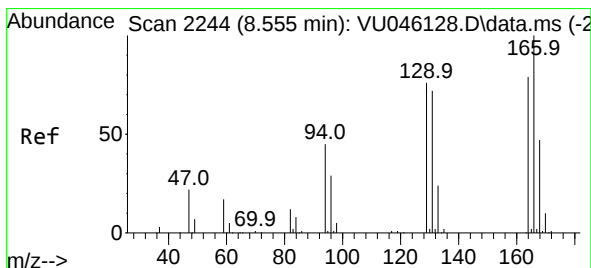
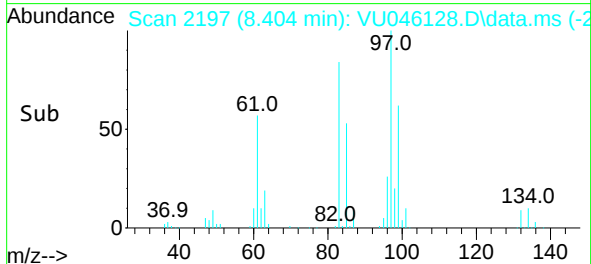
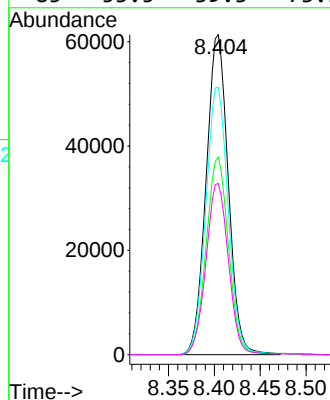
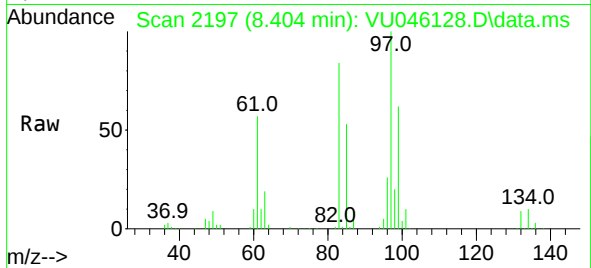


#45
1,1,2-Trichloroethane
Concen: 52.690 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 103145

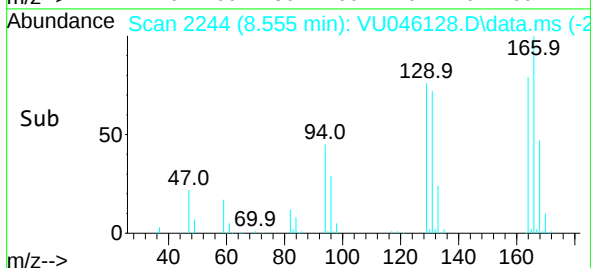
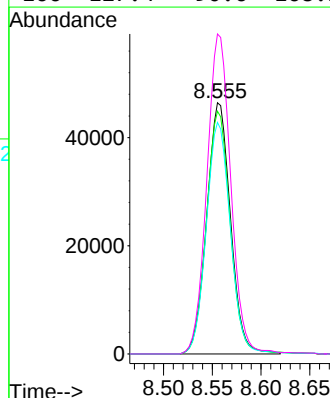
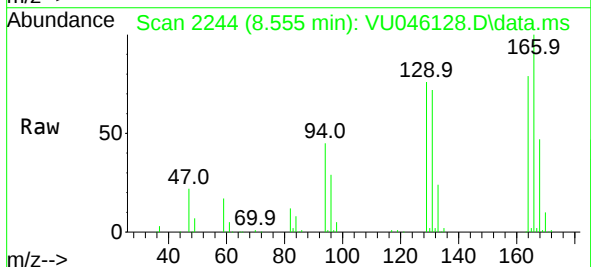
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.7	82.9
83	83.5	60.2	111.8
85	53.5	39.3	73.1

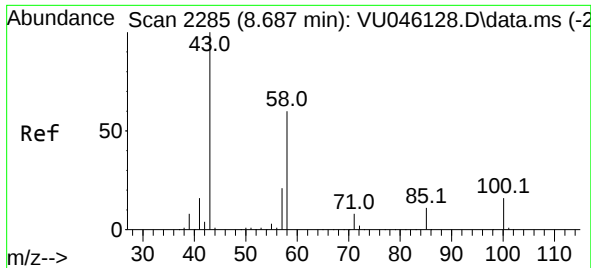


#46
Tetrachloroethene
Concen: 54.693 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion: 164 Resp: 78870

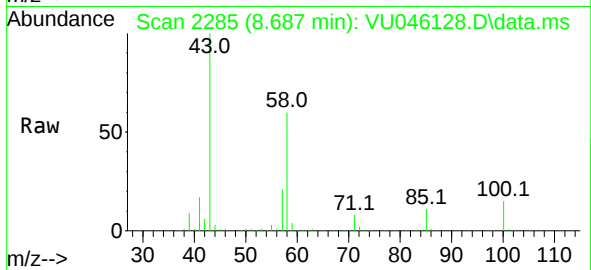
Ion	Ratio	Lower	Upper
164	100		
129	96.6	71.1	132.1
131	92.1	67.8	126.0
166	127.4	90.6	168.2



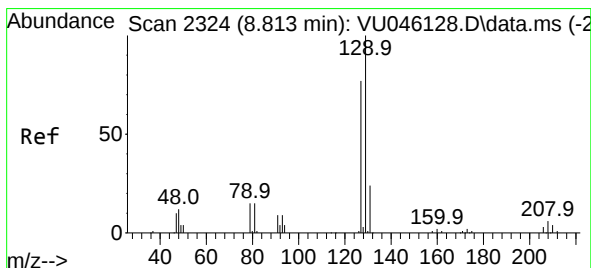
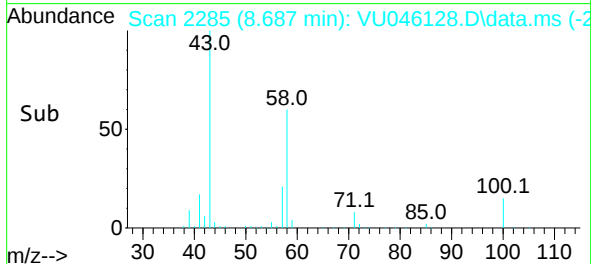
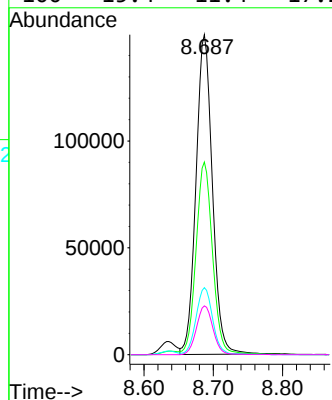


#48
2-Hexanone
Concen: 96.216 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Instrument :
MSVOA_U
ClientSampleId :

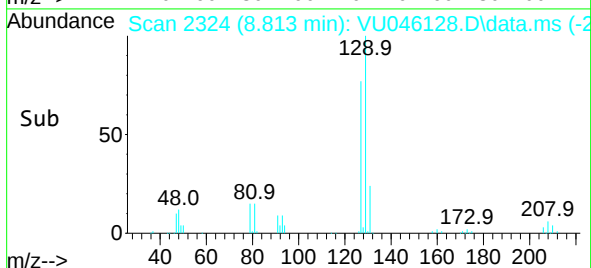
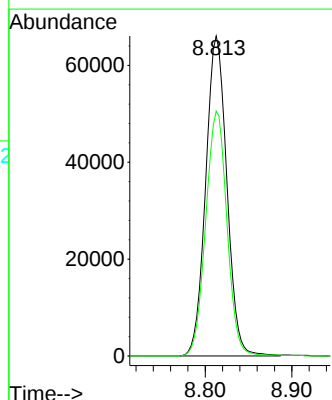
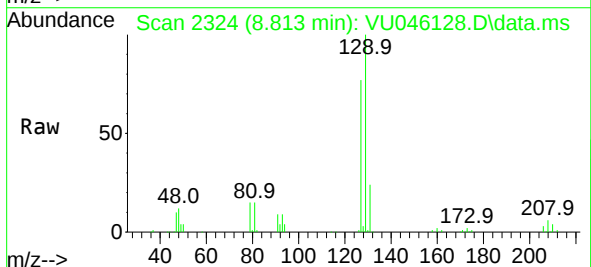


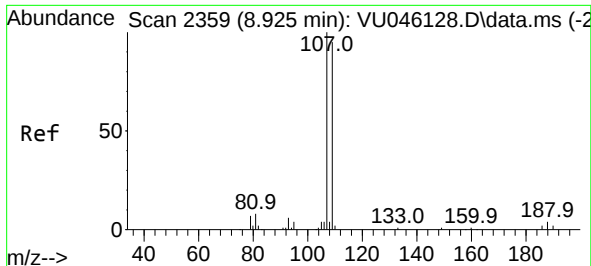
Tgt Ion: 43	Resp: 246687
Ion Ratio	Lower Upper
43 100	
58 60.4	47.4 71.2
57 20.6	16.6 25.0
100 15.4	11.4 17.2



#49
Dibromochloromethane
Concen: 54.493 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

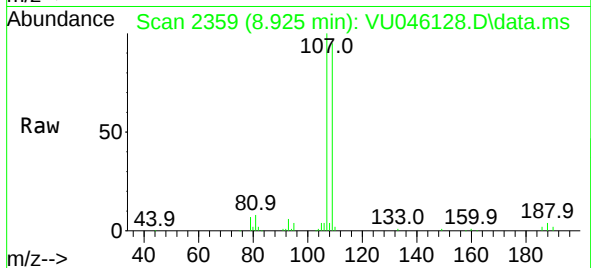
Tgt Ion:129	Resp: 112021
Ion Ratio	Lower Upper
129 100	
127 76.6	55.6 103.4



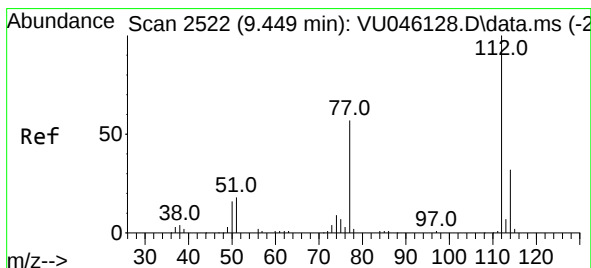
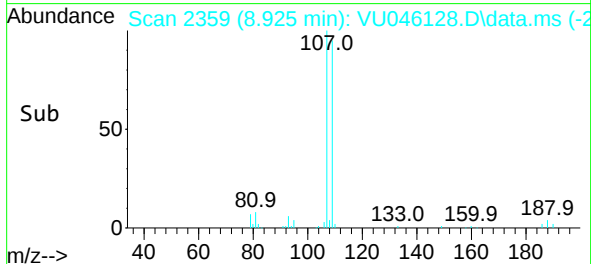
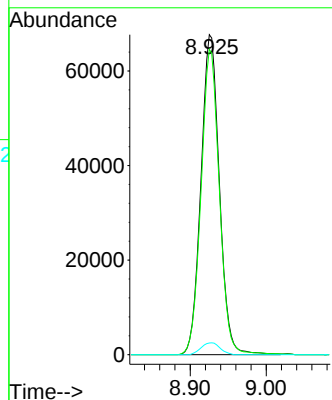


#50
1,2-Dibromoethane
Concen: 53.653 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Instrument :
MSVOA_U
ClientSampleId :

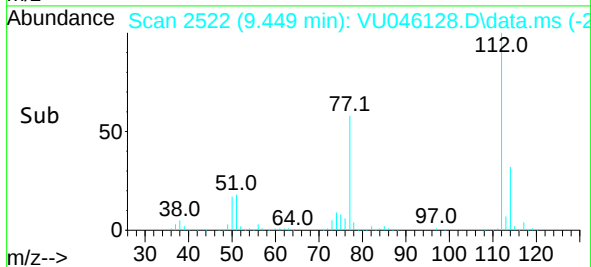
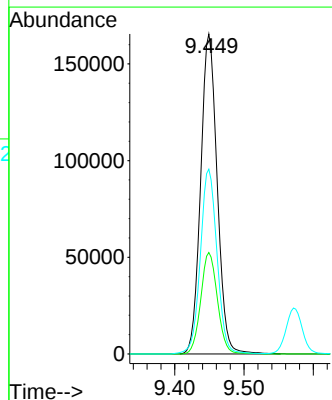
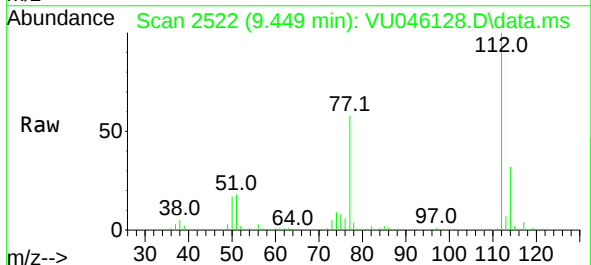


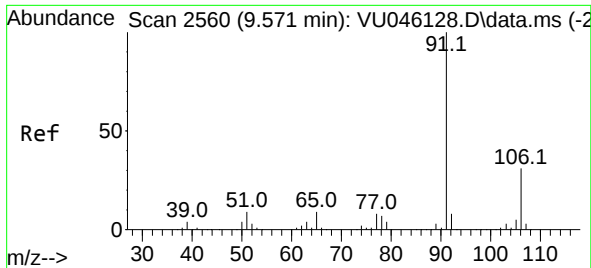
Tgt Ion:107 Resp: 113871
Ion Ratio Lower Upper
107 100
109 95.4 64.9 120.5
188 3.6 2.6 3.8



#51
Chlorobenzene
Concen: 53.099 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion:112 Resp: 274566
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 57.8 47.4 71.0





#52

Ethylbenzene

Concen: 53.681 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.003 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

Instrument :

MSVOA_U

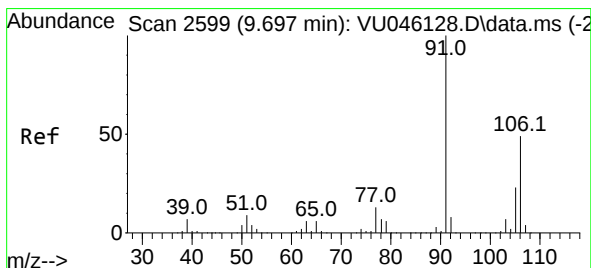
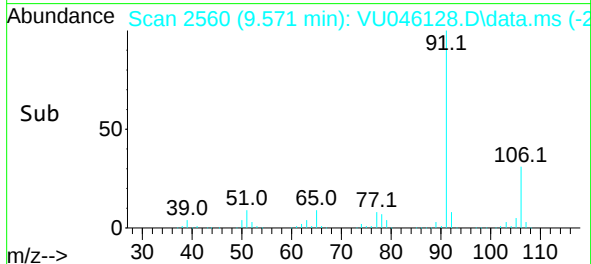
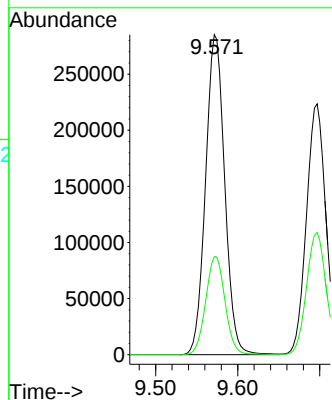
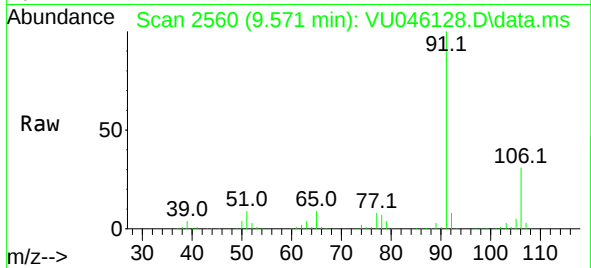
ClientSampleId :

Tgt Ion: 91 Resp: 461750

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.3



#53

m,p-Xylene

Concen: 54.202 ug/L

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU046128.D

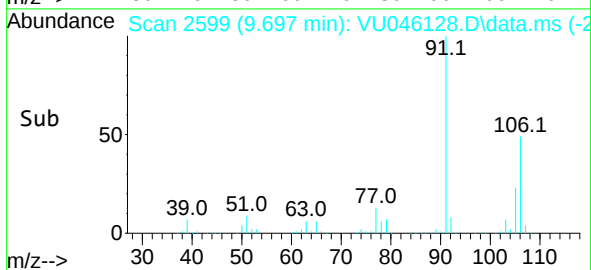
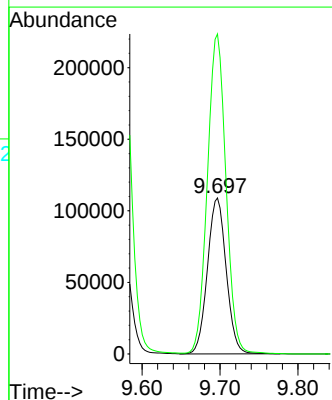
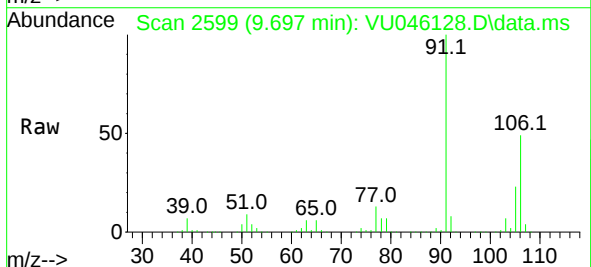
Acq: 07 Dec 2021 10:11

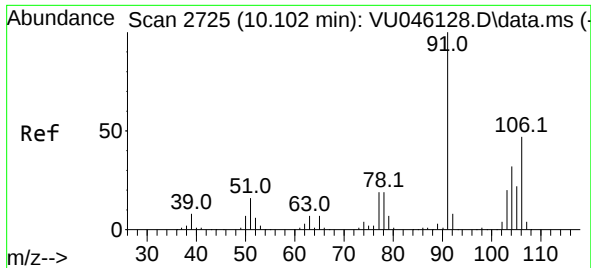
Tgt Ion:106 Resp: 181826

Ion Ratio Lower Upper

106 100

91 205.1 144.3 268.1

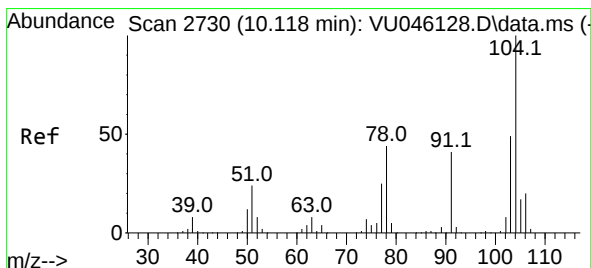
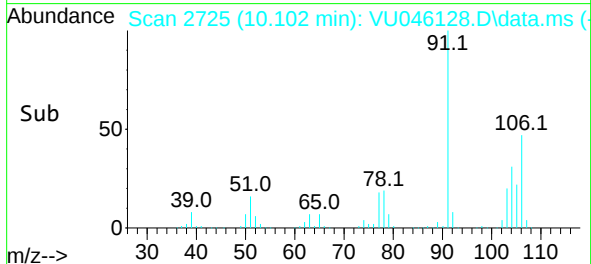
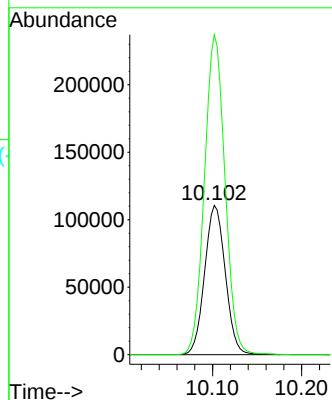
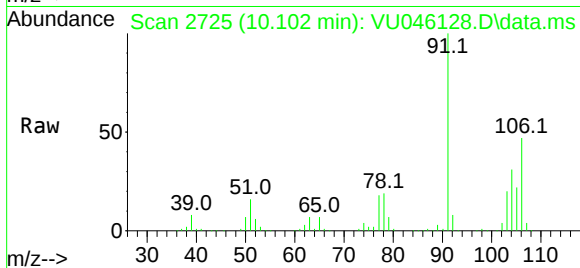




#54
o-xylene
Concen: 54.715 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

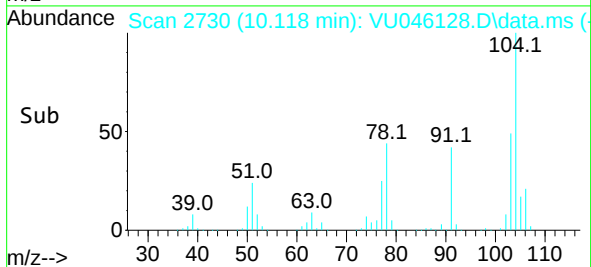
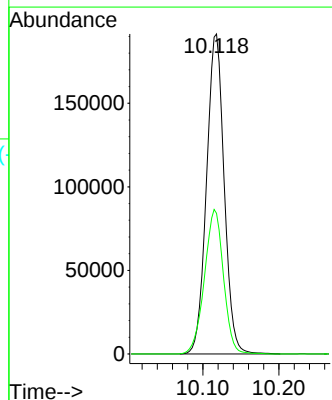
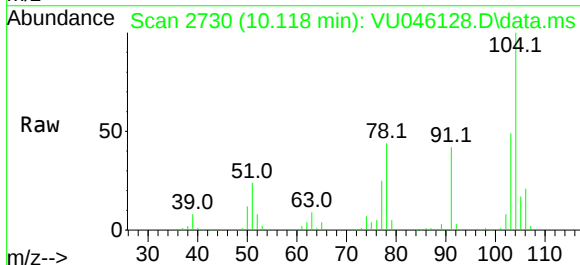
Instrument :
MSVOA_U
ClientSampleId :

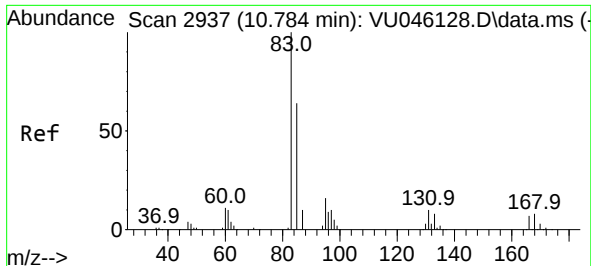
Tgt Ion:106 Resp: 178101
Ion Ratio Lower Upper
106 100
91 214.3 154.2 286.4



#55
Styrene
Concen: 55.504 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion:104 Resp: 308455
Ion Ratio Lower Upper
104 100
78 44.0 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 50.300 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

Instrument :

MSVOA_U

ClientSampleId :

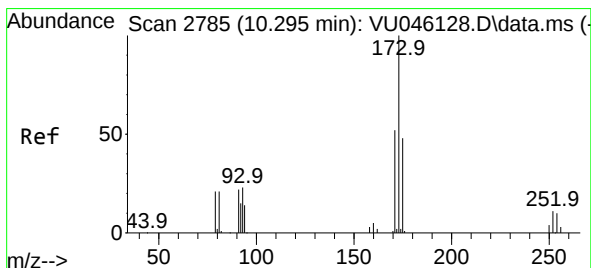
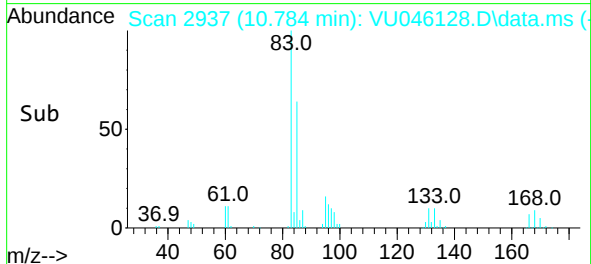
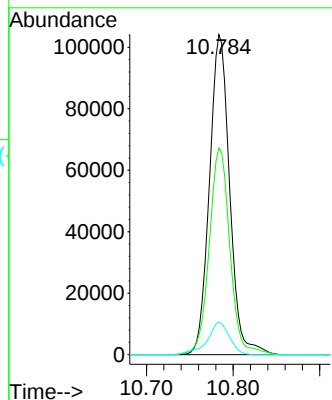
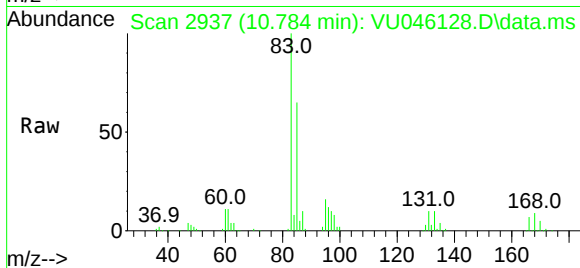
Tgt Ion: 83 Resp: 168817

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.6

131 10.2 7.8 11.6



#59

Bromoform

Concen: 52.828 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.000 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

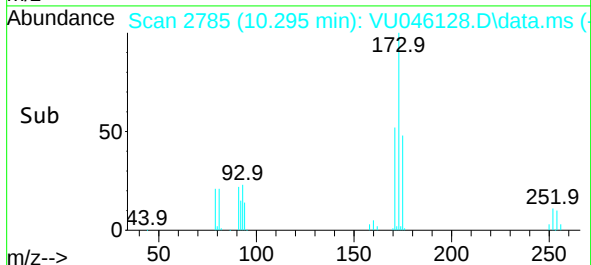
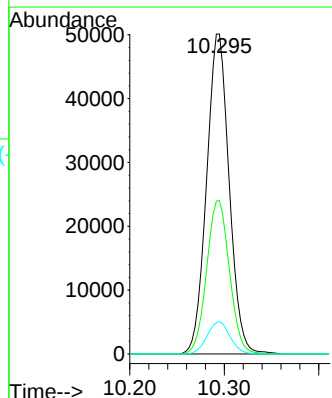
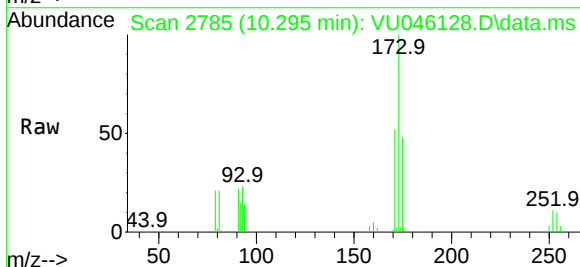
Tgt Ion:173 Resp: 83106

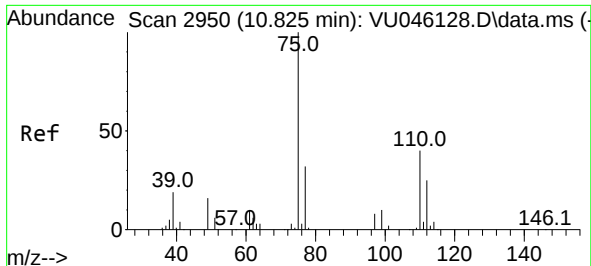
Ion Ratio Lower Upper

173 100

175 48.4 39.2 58.8

254 10.2 7.4 11.2

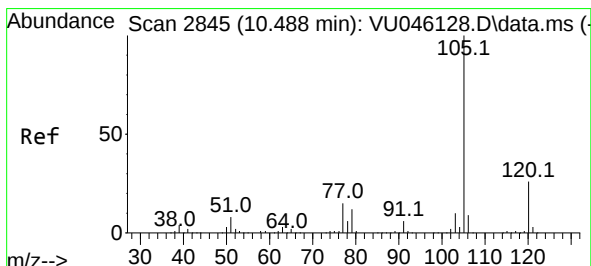
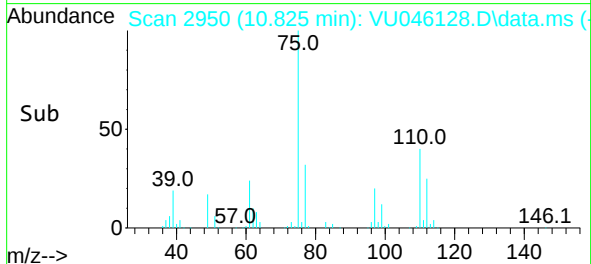
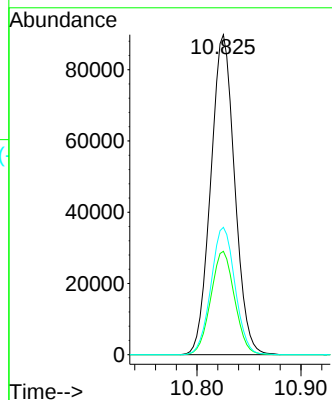
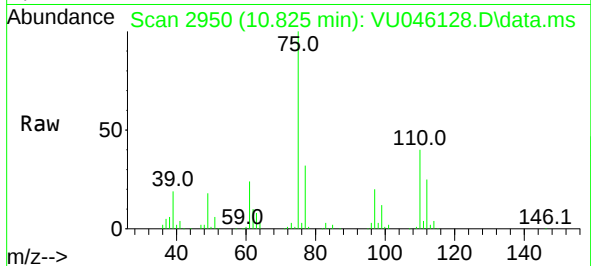




#60
1,2,3-Trichloropropane
Concen: 48.916 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

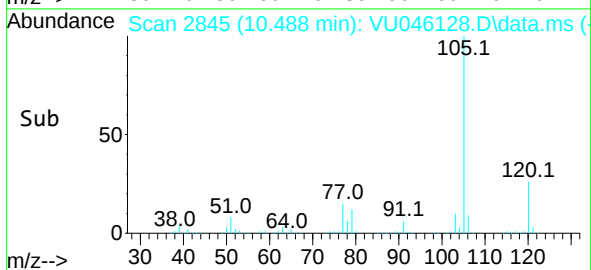
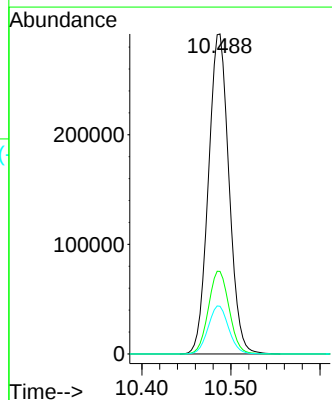
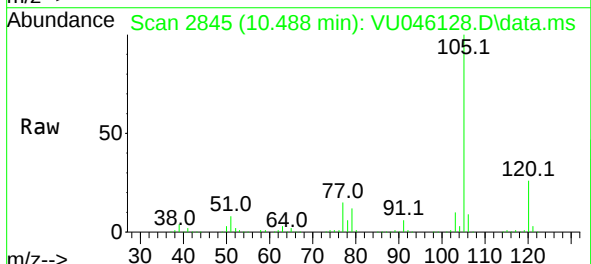
Instrument :
MSVOA_U
ClientSampleId :

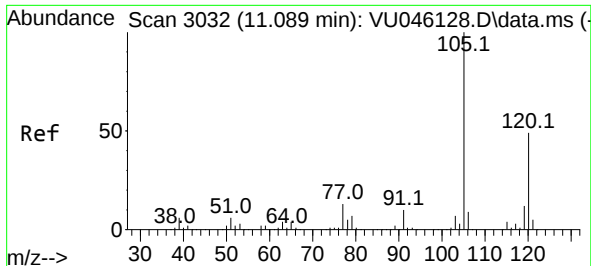
Tgt Ion: 75 Resp: 143794
Ion Ratio Lower Upper
75 100
77 32.1 26.4 39.6
110 40.0 32.4 48.6



#61
Isopropylbenzene
Concen: 53.572 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion: 105 Resp: 467424
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 15.0 12.2 18.4





#62

1,3,5-Trimethylbenzene

Concen: 55.050 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

Instrument :

MSVOA_U

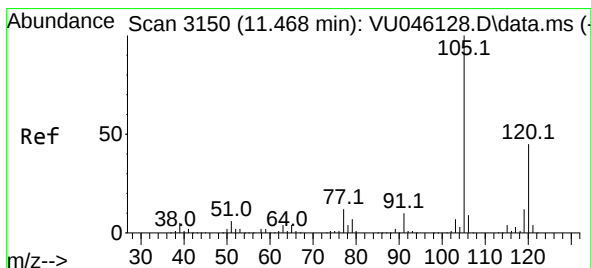
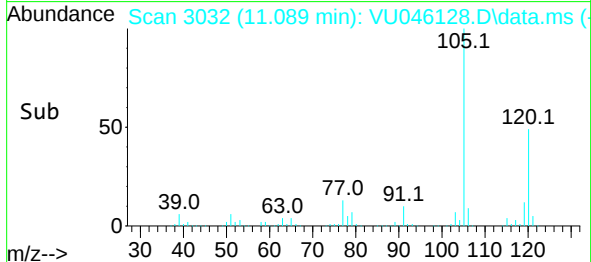
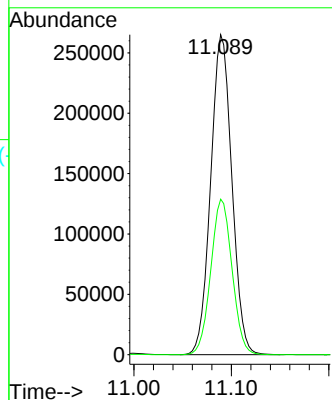
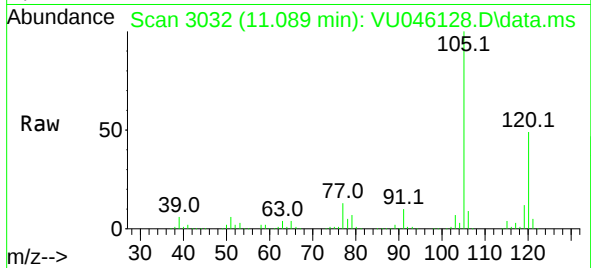
ClientSampleId :

Tgt Ion:105 Resp: 400351

Ion Ratio Lower Upper

105 100

120 48.8 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 55.739 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046128.D

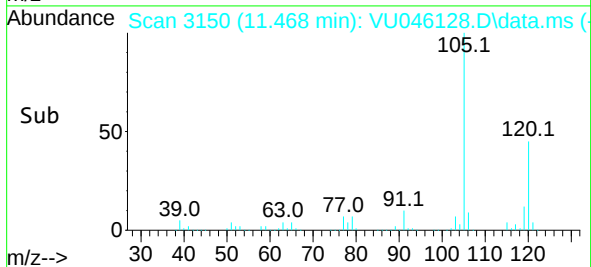
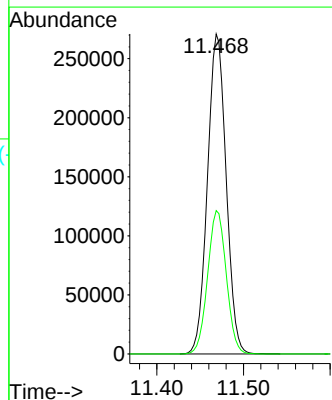
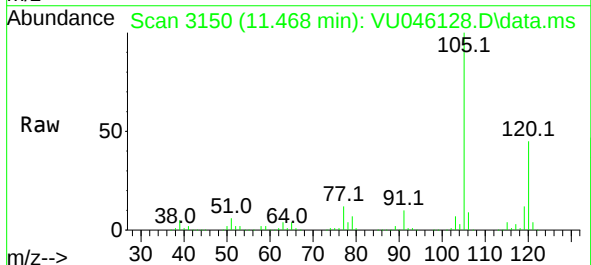
Acq: 07 Dec 2021 10:11

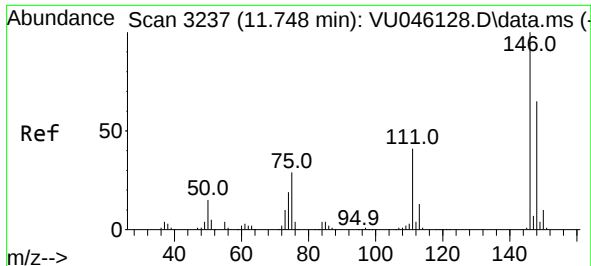
Tgt Ion:105 Resp: 405558

Ion Ratio Lower Upper

105 100

120 44.7 35.2 52.8

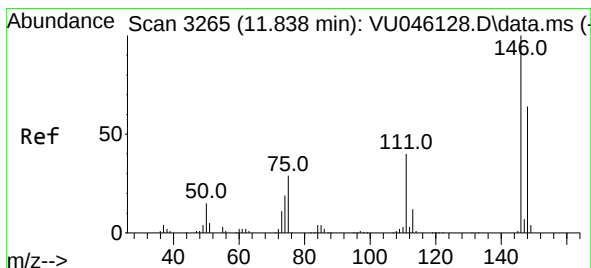
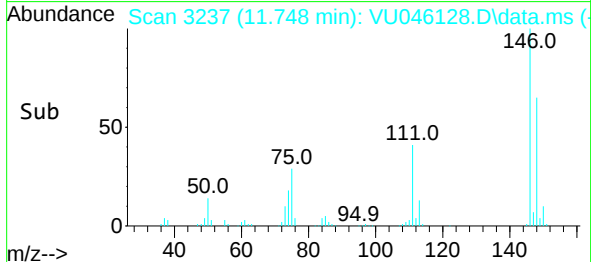
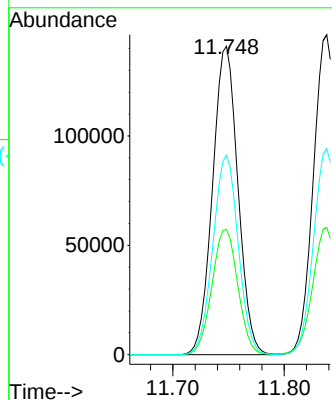
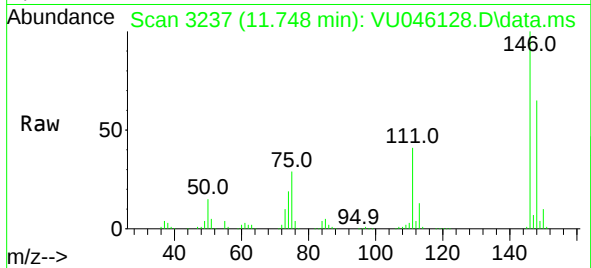




#64
 1,3-Dichlorobenzene
 Concen: 53.859 ug/L
 RT: 11.748 min Scan# 3237
 Delta R.T. 0.000 min
 Lab File: VU046128.D
 Acq: 07 Dec 2021 10:11

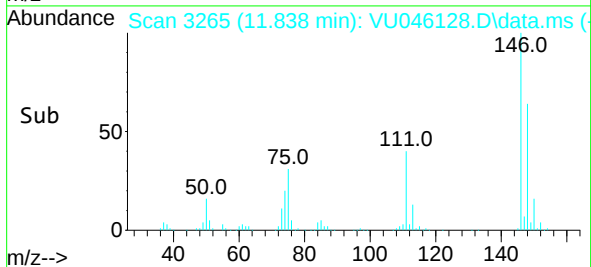
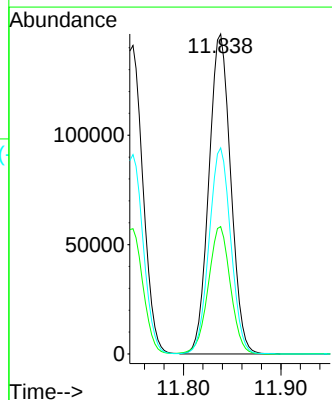
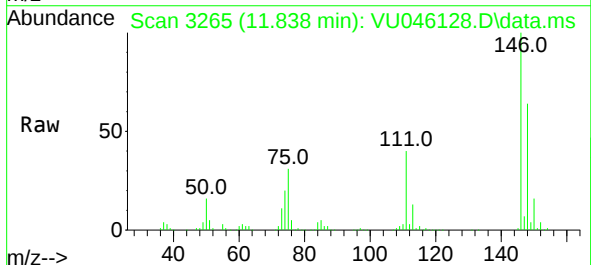
Instrument :
 MSVOA_U
 ClientSampleId :

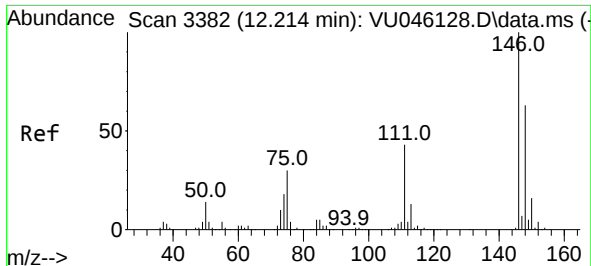
Tgt Ion:146 Resp: 223220
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.5 54.9
 148 64.6 45.9 85.3



#65
 1,4-Dichlorobenzene
 Concen: 53.267 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. 0.000 min
 Lab File: VU046128.D
 Acq: 07 Dec 2021 10:11

Tgt Ion:146 Resp: 228164
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.3 52.7
 148 64.4 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 53.111 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

Instrument :

MSVOA_U

ClientSampleId :

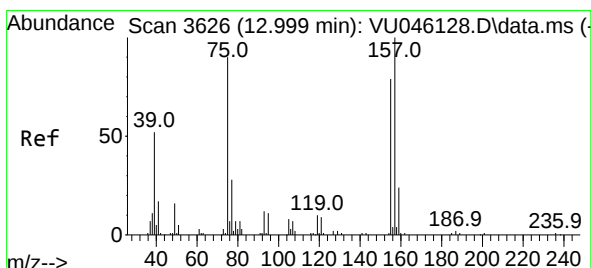
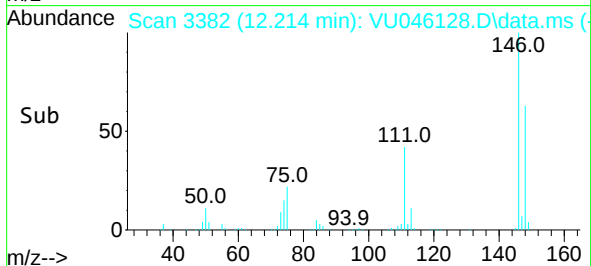
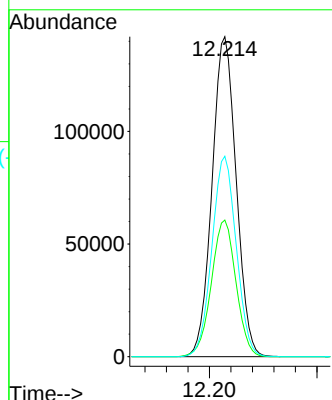
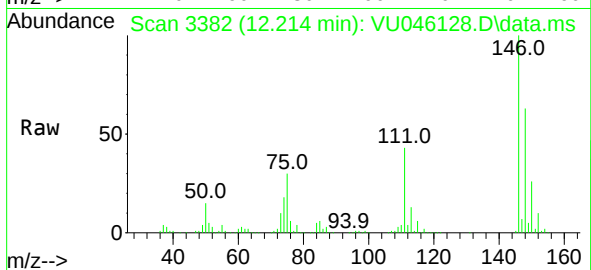
Tgt Ion:146 Resp: 221669

Ion Ratio Lower Upper

146 100

111 42.7 35.7 53.5

148 62.7 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 52.729 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU046128.D

Acq: 07 Dec 2021 10:11

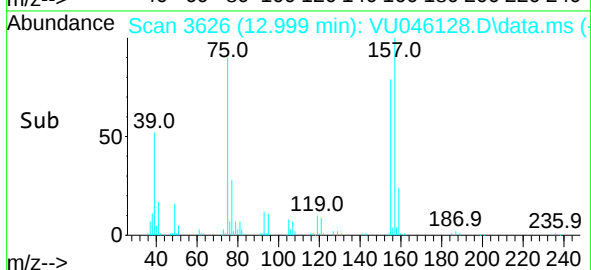
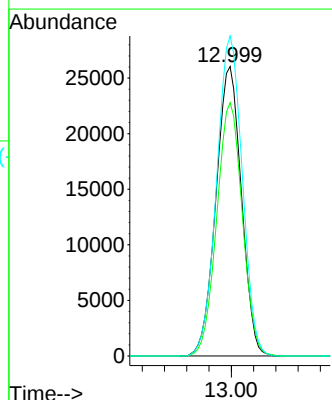
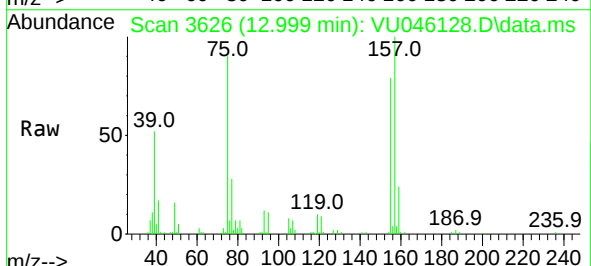
Tgt Ion: 75 Resp: 41293

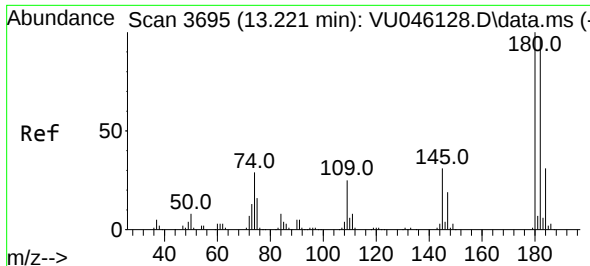
Ion Ratio Lower Upper

75 100

155 87.5 64.9 97.3

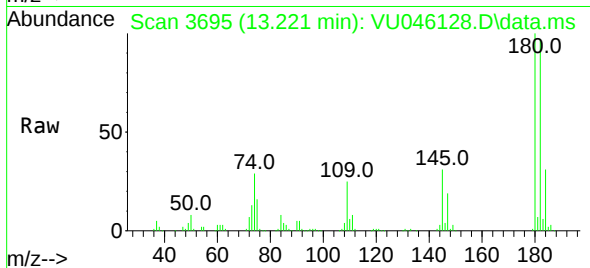
157 110.6 81.9 122.9



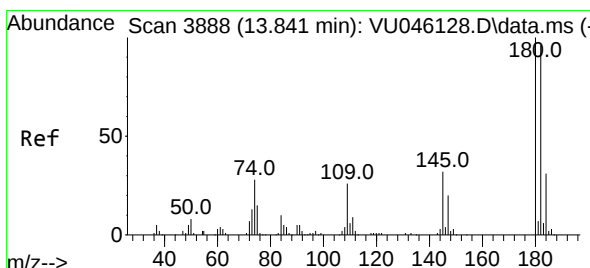
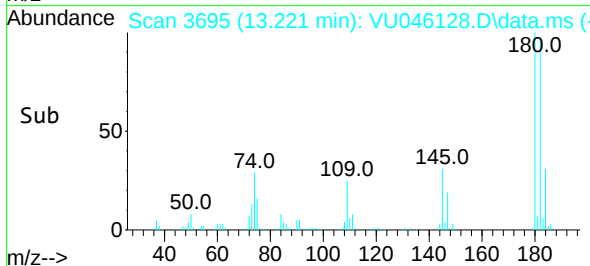
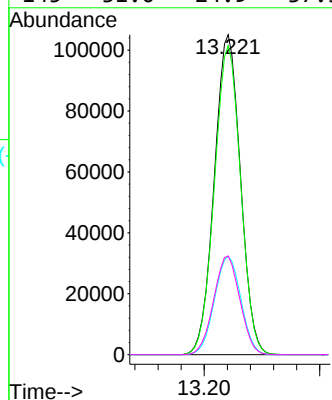


#69
 1,3,5-Trichlorobenzene
 Concen: 54.586 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU046128.D
 Acq: 07 Dec 2021 10:11

Instrument :
 MSVOA_U
 ClientSampleId :

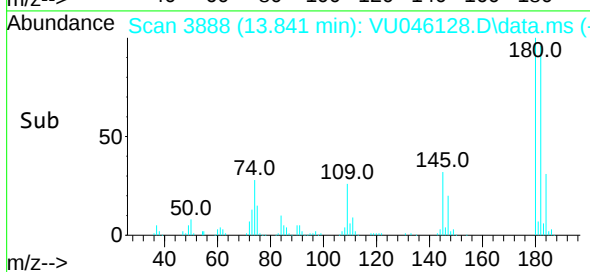
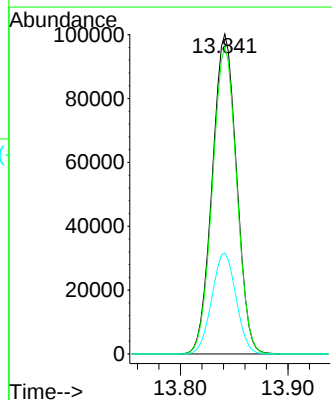
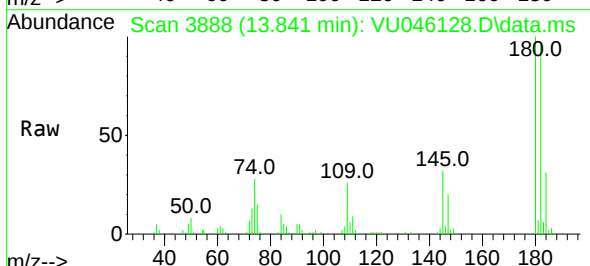


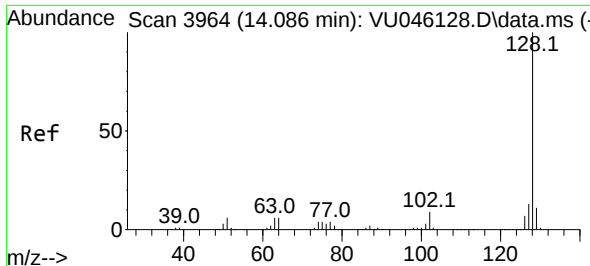
Tgt Ion:180 Resp: 164842
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.9 113.9
 184 31.1 24.2 36.4
 145 31.0 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 58.666 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU046128.D
 Acq: 07 Dec 2021 10:11

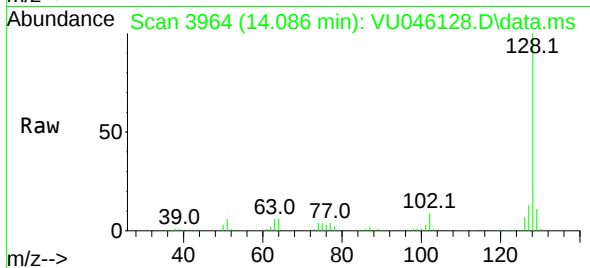
Tgt Ion:180 Resp: 157213
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.7 115.1
 145 31.5 26.0 39.0



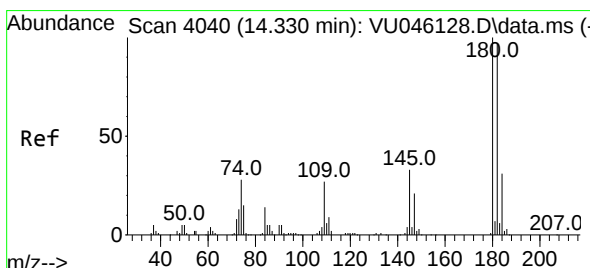
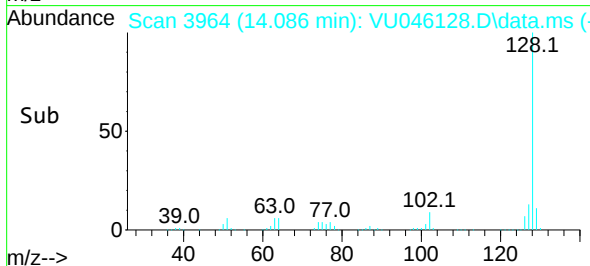
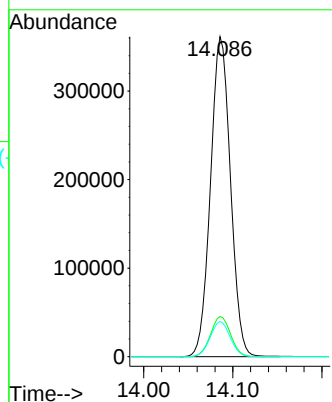


#71
Naphthalene
Concen: 60.289 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 562216
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: 56.795 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU046128.D
Acq: 07 Dec 2021 10:11

Tgt Ion:180 Resp: 155204
Ion Ratio Lower Upper
180 100
182 96.1 76.0 114.0
145 33.3 27.3 40.9

