

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046435.D
 Acq On : 16 Dec 2021 20:33
 Operator : SY/MD
 Sample : M5037-11MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C00W9MSD

Quant Time: Dec 17 01:56:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	146478	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	149170	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	80897	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	54408	45.092	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.180%		
7) Chloroethane-d5	1.919	69	40306	43.507	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.020%		
11) 1,1-Dichloroethene-d2	2.575	63	93956	43.376	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.760%		
21) 2-Butanone-d5	4.636	46	75094	78.288	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	78.290%		
24) Chloroform-d	5.066	84	101703	50.474	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.940%		
26) 1,2-Dichloroethane-d4	5.706	65	64031	47.351	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.700%		
32) Benzene-d6	5.732	84	192521	45.029	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.060%		
36) 1,2-Dichloropropane-d6	6.693	67	60494	45.654	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.300%		
41) Toluene-d8	7.899	98	177348	45.558	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.120%		
43) trans-1,3-Dichloroprop...	8.182	79	29958	46.836	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.680%		
47) 2-Hexanone-d5	8.635	63	60076	95.624	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.620%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	90717	45.144	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.280%		
66) 1,2-Dichlorobenzene-d4	12.195	152	66713	42.822	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.640%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	59573	37.382	ug/L	99
3) Chloromethane	1.523	50	51555	36.168	ug/L	98
5) Vinyl chloride	1.607	62	55079	38.322	ug/L	98
6) Bromomethane	1.864	94	30928	37.966	ug/L	100
8) Chloroethane	1.938	64	34388	41.323	ug/L	99
9) Trichlorofluoromethane	2.144	101	88817	47.333	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	50051	46.960	ug/L	98
12) 1,1-Dichloroethene	2.587	96	42877	42.335	ug/L	88
13) Acetone	2.645	43	60311	50.310	ug/L	98
14) Carbon disulfide	2.800	76	96397	30.677	ug/L	100
15) Methyl Acetate	2.957	43	45710	32.709	ug/L	97
16) Methylene chloride	3.050	84	56347	46.761	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	48102	44.879	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	176819	53.530	ug/L	99
19) 1,1-Dichloroethane	3.877	63	100664	51.654	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	59576	51.227	ug/L	99
22) 2-Butanone	4.713	43	95394	73.099	ug/L	96
23) Bromochloromethane	4.980	128	30758	52.365	ug/L	97
25) Chloroform	5.092	83	110538	51.051	ug/L	99

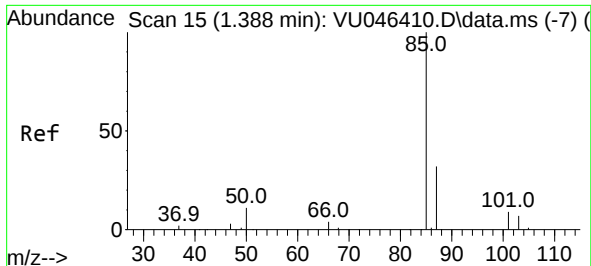
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	87231	54.290	ug/L	98
29) Cyclohexane	5.394	56	67765	39.013	ug/L	97
30) 1,1,1-Trichloroethane	5.320	97	95763	52.299	ug/L	99
31) Carbon tetrachloride	5.529	117	79930	51.419	ug/L	99
33) Benzene	5.777	78	221317	49.020	ug/L	100
34) Trichloroethene	6.545	95	55389	46.569	ug/L	99
35) Methylcyclohexane	6.767	83	76559	41.513	ug/L	99
37) 1,2-Dichloropropane	6.796	63	60822	51.427	ug/L	100
38) Bromodichloromethane	7.108	83	85036	54.095	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	91002	50.579	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	179598	103.357	ug/L	99
42) Toluene	7.973	91	238193	49.168	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	93494	52.908	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	63026	53.118	ug/L	98
46) Tetrachloroethene	8.555	164	40201	45.994	ug/L	98
48) 2-Hexanone	8.687	43	142873	91.937	ug/L	99
49) Dibromochloromethane	8.812	129	68394	54.891	ug/L	98
50) 1,2-Dibromoethane	8.925	107	63803	49.598	ug/L	99
51) Chlorobenzene	9.449	112	160178	51.107	ug/L	99
52) Ethylbenzene	9.571	91	257596	49.407	ug/L	99
53) m,p-Xylene	9.697	106	99895	49.130	ug/L	99
54) o-xylene	10.102	106	100029	50.700	ug/L	96
55) Styrene	10.114	104	178887	53.107	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	107408	52.800	ug/L	100
59) Bromoform	10.291	173	49932	52.615	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	89454	50.444	ug/L	99
61) Isopropylbenzene	10.487	105	263180	50.001	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	226235	51.567	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	231025	52.633	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	123782	49.508	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	129165	49.987	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	127194	50.518	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	27469	58.146	ug/L	98
69) 1,3,5-Trichlorobenzene	13.220	180	92902	50.996	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	86345	53.411	ug/L	99
71) Naphthalene	14.089	128	333325	59.252	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	94075	57.066	ug/L	99

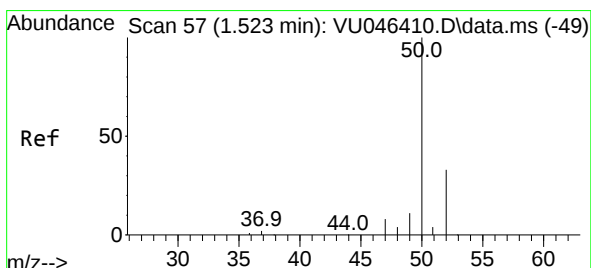
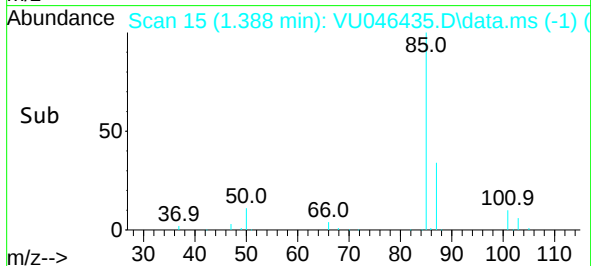
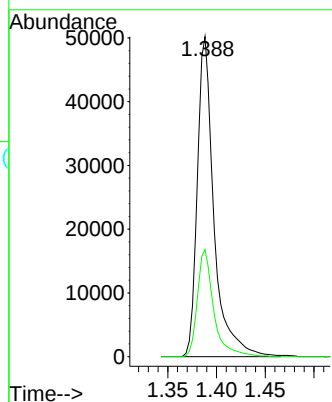
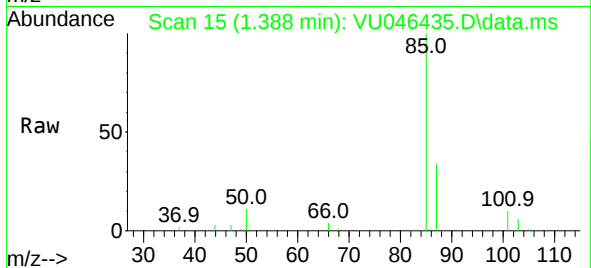
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 37.382 ug/L
RT: 1.388 min Scan# 15
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

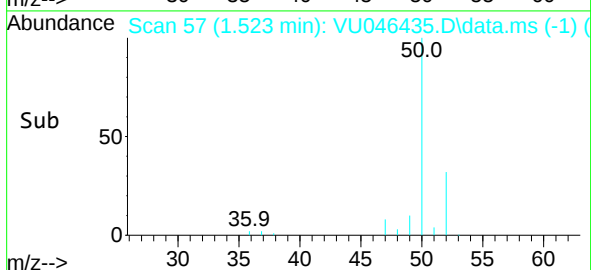
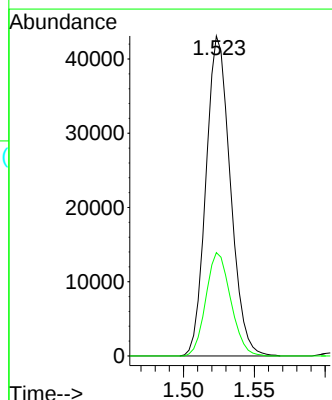
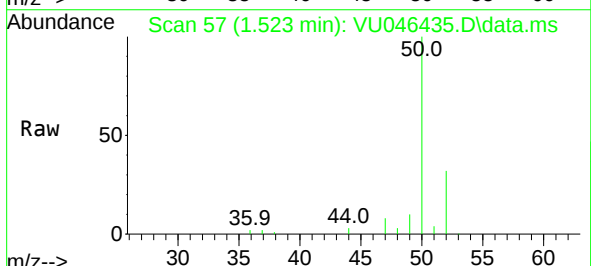
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

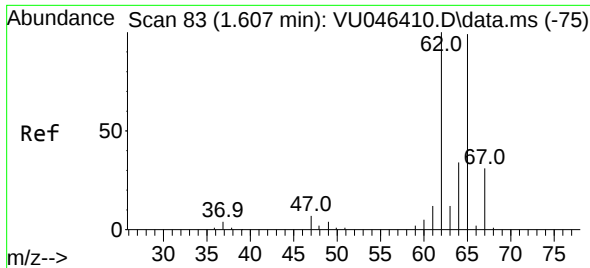
Tgt Ion: 85 Resp: 59573
Ion Ratio Lower Upper
85 100
87 32.9 25.7 38.5



#3
Chloromethane
Concen: 36.168 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion: 50 Resp: 51555
Ion Ratio Lower Upper
50 100
52 32.3 23.2 43.2

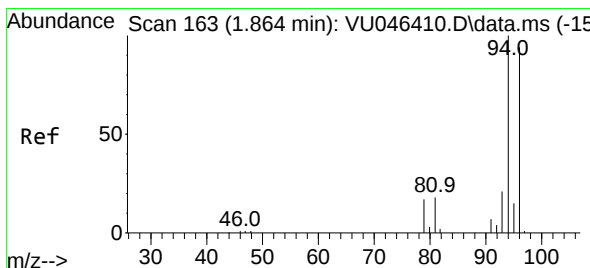
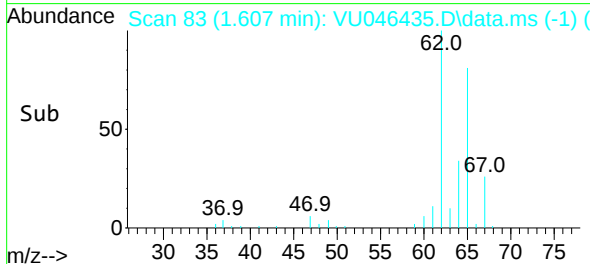
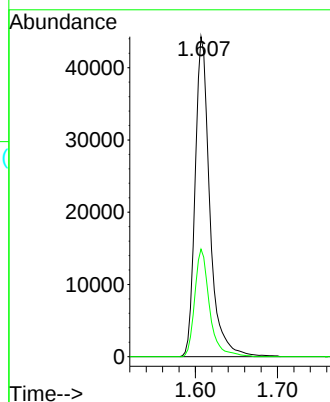
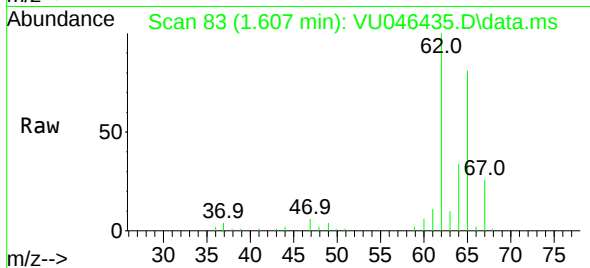




#5
 Vinyl chloride
 Concen: 38.322 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046435.D
 Acq: 16 Dec 2021 20:33

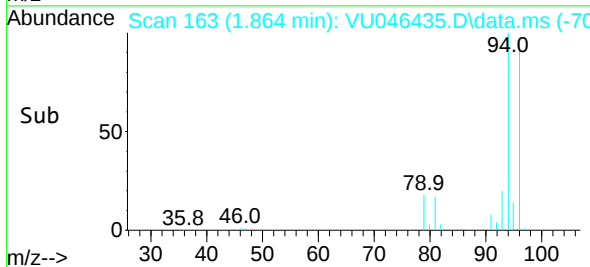
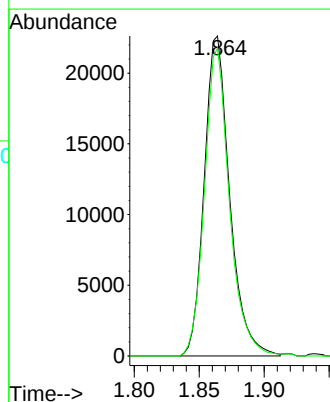
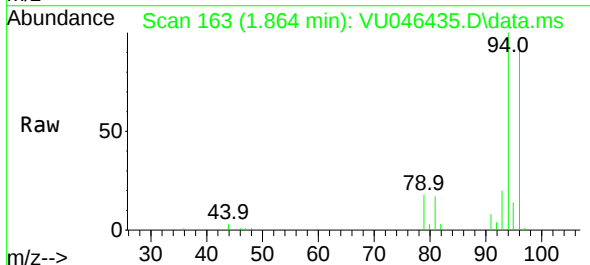
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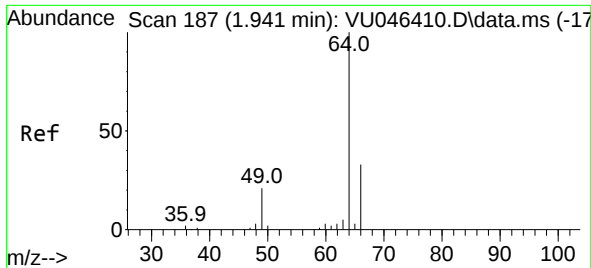
Tgt Ion: 62 Resp: 55079
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.9 42.5



#6
 Bromomethane
 Concen: 37.966 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU046435.D
 Acq: 16 Dec 2021 20:33

Tgt Ion: 94 Resp: 30928
 Ion Ratio Lower Upper
 94 100
 96 96.2 67.4 125.2

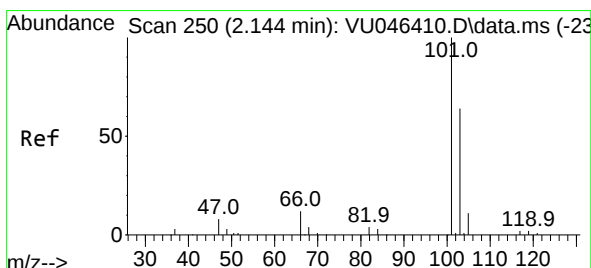
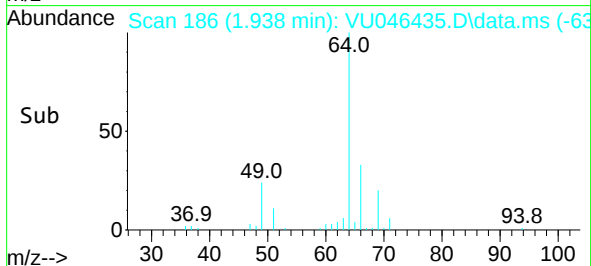
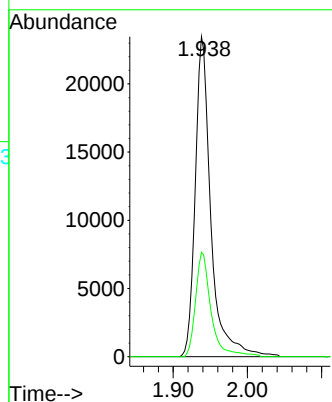
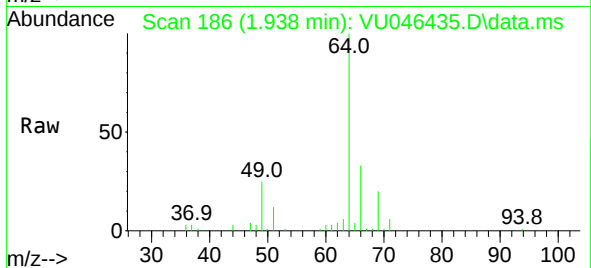




#8
Chloroethane
Concen: 41.323 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

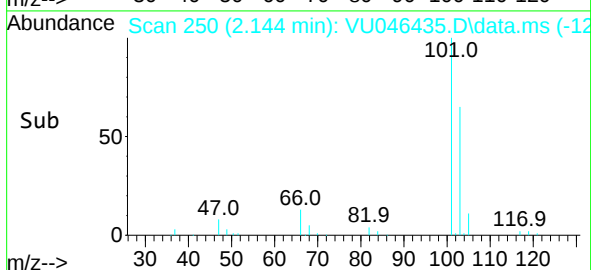
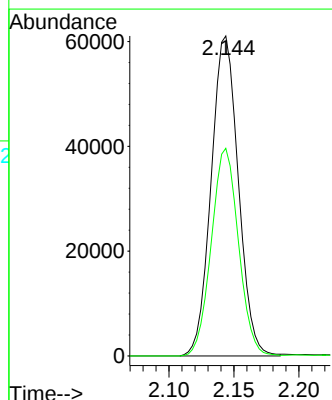
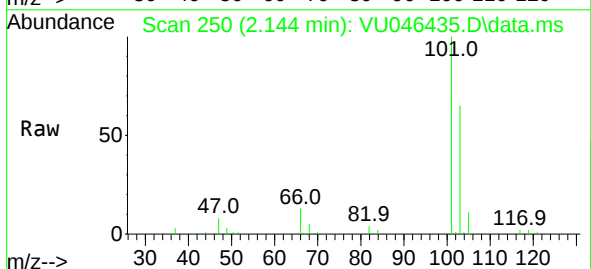
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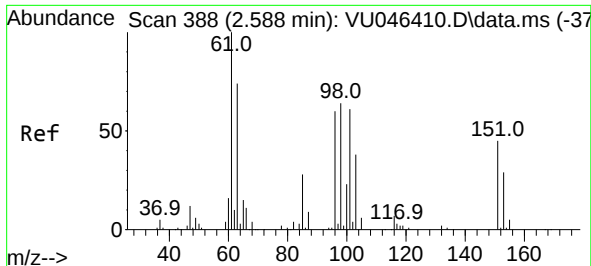
Tgt Ion: 64 Resp: 34388
Ion Ratio Lower Upper
64 100
66 32.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.333 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion:101 Resp: 88817
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.6

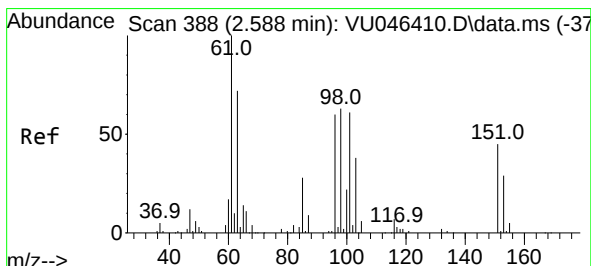
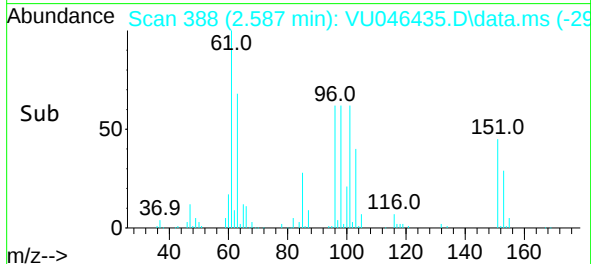
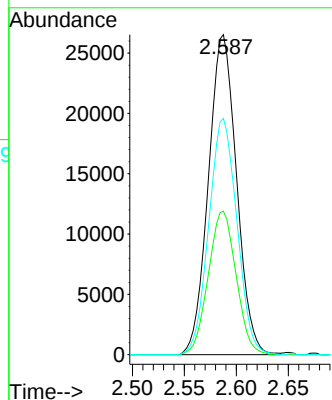
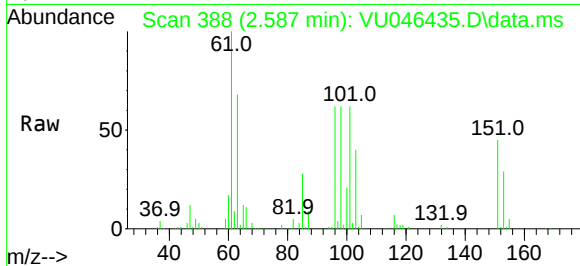




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.960 ug/L
 RT: 2.587 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046435.D
 Acq: 16 Dec 2021 20:33

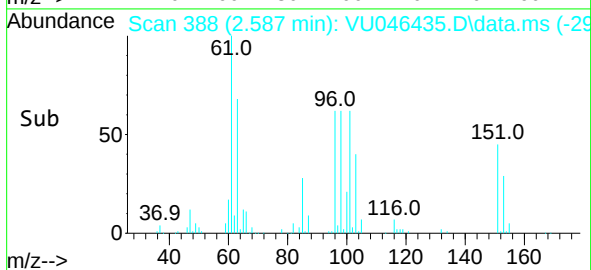
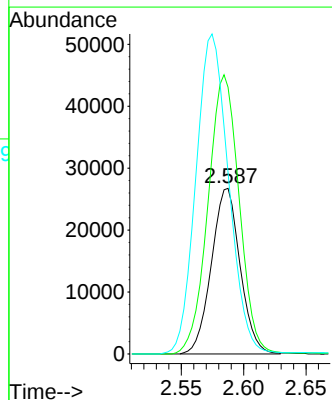
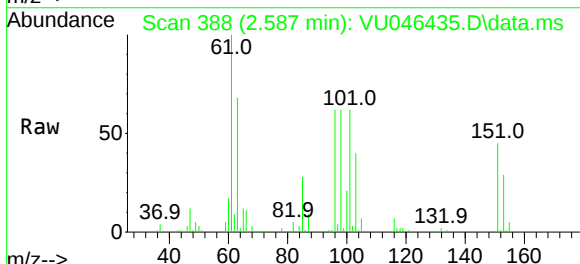
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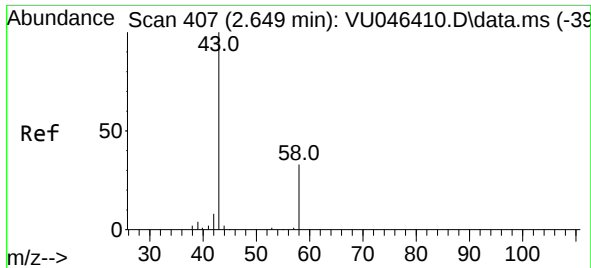
Tgt Ion:101 Resp: 50051
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.1 52.7
 151 73.8 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 42.335 ug/L
 RT: 2.587 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046435.D
 Acq: 16 Dec 2021 20:33

Tgt Ion: 96 Resp: 42877
 Ion Ratio Lower Upper
 96 100
 61 161.0 118.6 220.2
 63 109.6 93.0 172.8





#13

Acetone

Concen: 50.310 ug/L

RT: 2.645 min Scan# 407

Delta R.T. -0.003 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

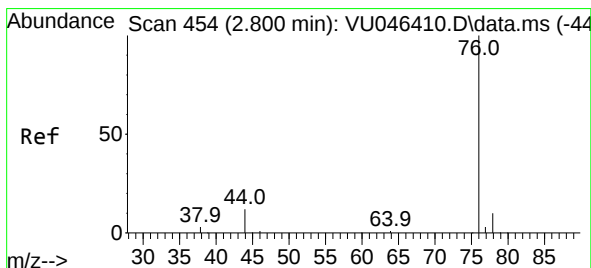
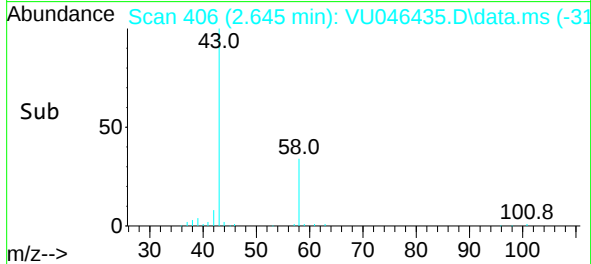
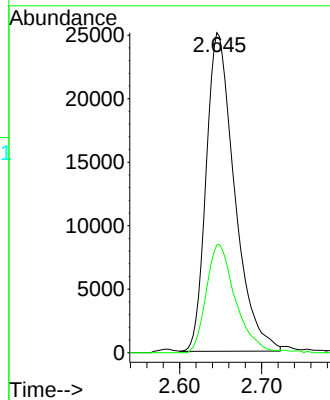
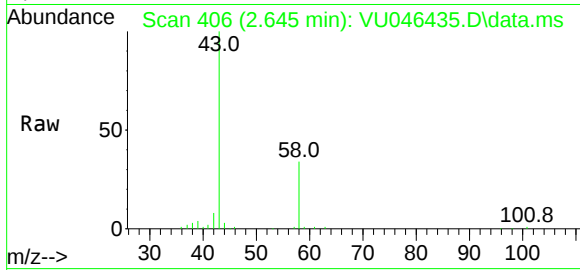
C00W9MSD

Tgt Ion: 43 Resp: 60311

Ion Ratio Lower Upper

43 100

58 34.8 0.0 66.8



#14

Carbon disulfide

Concen: 30.677 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046435.D

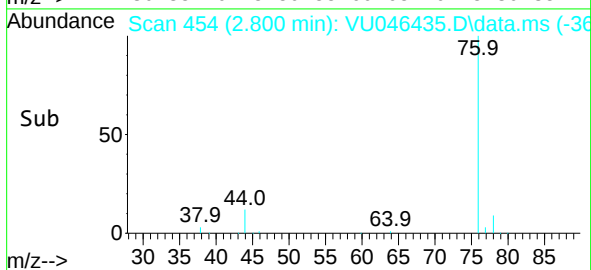
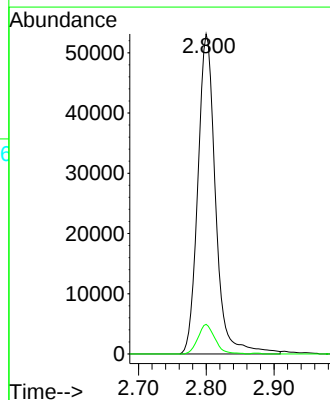
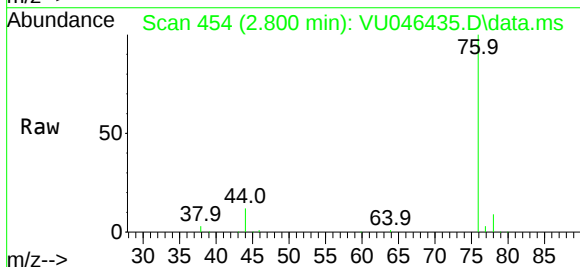
Acq: 16 Dec 2021 20:33

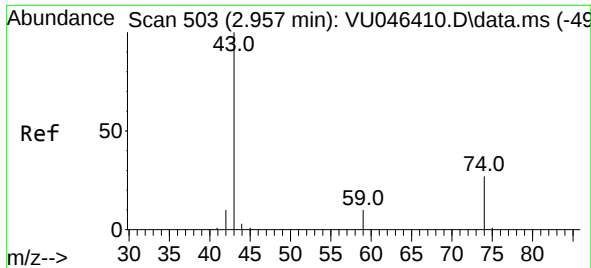
Tgt Ion: 76 Resp: 96397

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

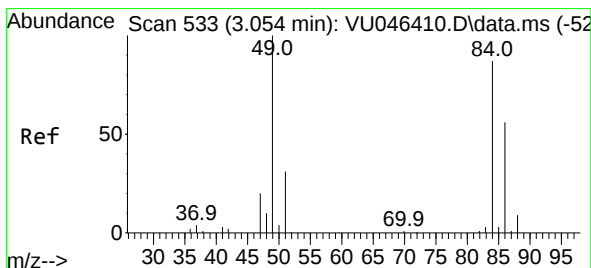
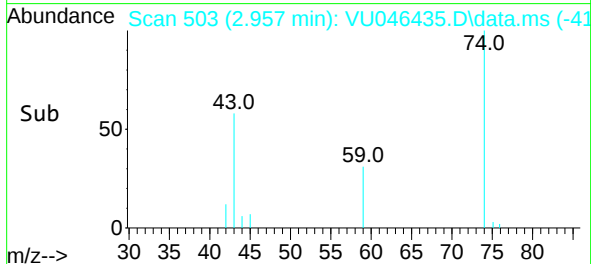
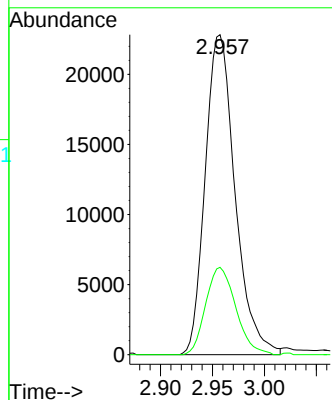
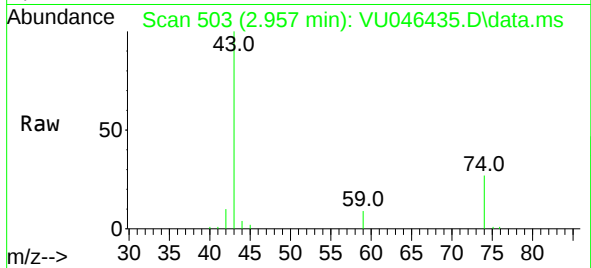




#15
Methyl Acetate
Concen: 32.709 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

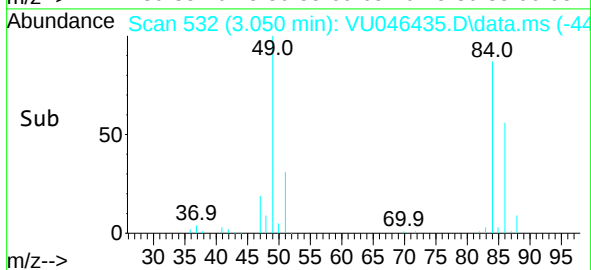
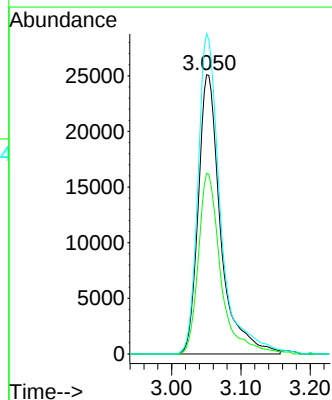
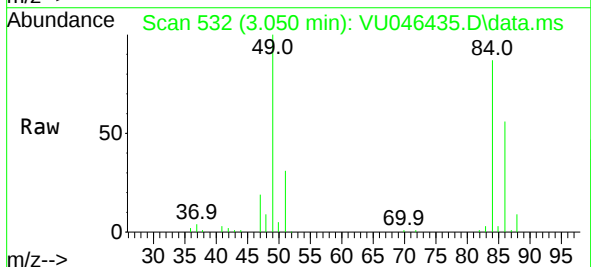
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

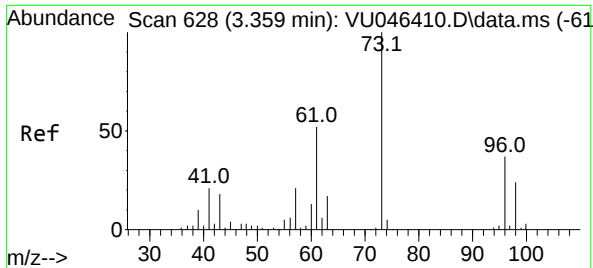
Tgt Ion: 43 Resp: 45710
Ion Ratio Lower Upper
43 100
74 27.5 20.8 31.2



#16
Methylene chloride
Concen: 46.761 ug/L
RT: 3.050 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion: 84 Resp: 56347
Ion Ratio Lower Upper
84 100
86 64.7 44.7 83.1
49 114.6 78.4 145.6

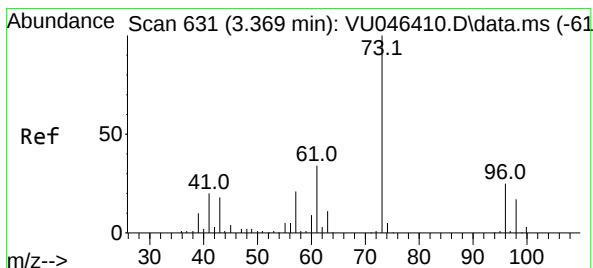
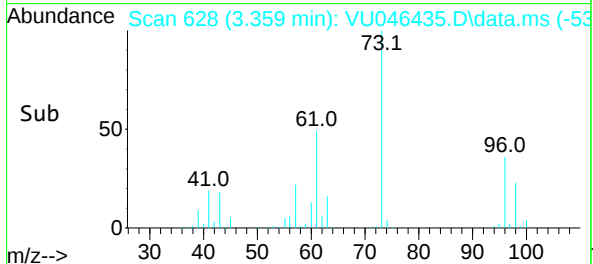
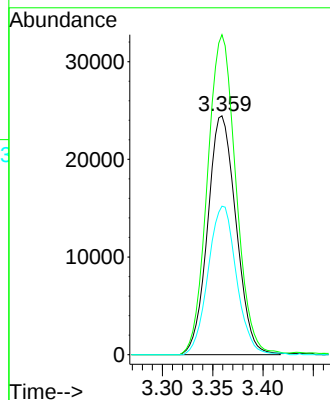
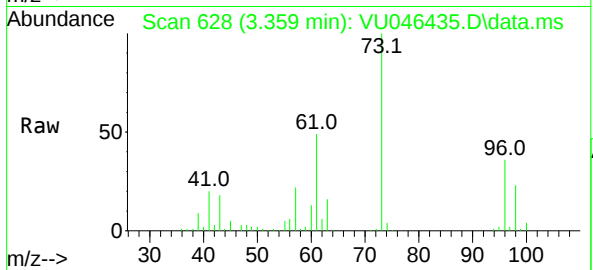




#17
trans-1,2-Dichloroethene
Concen: 44.879 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

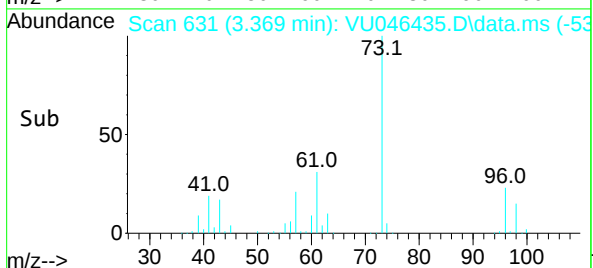
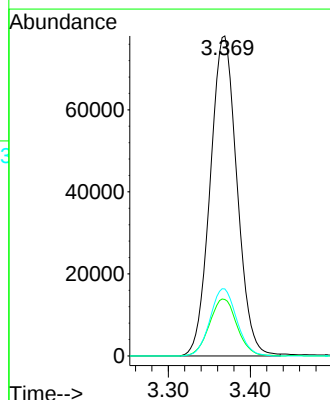
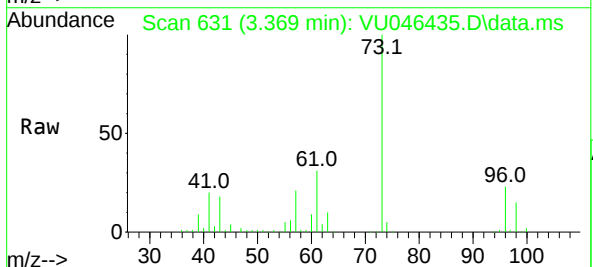
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

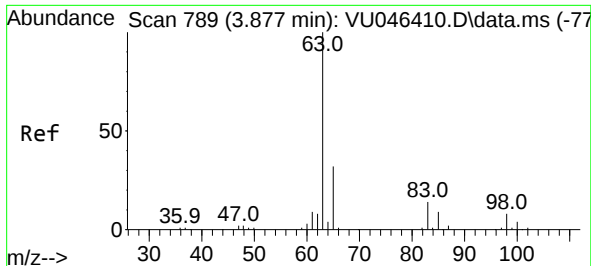
Tgt Ion: 96 Resp: 48102
Ion Ratio Lower Upper
96 100
61 134.0 94.6 175.6
98 62.2 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 53.530 ug/L
RT: 3.369 min Scan# 631
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion: 73 Resp: 176819
Ion Ratio Lower Upper
73 100
43 18.4 14.0 21.0
57 21.0 17.0 25.4





#19

1,1-Dichloroethane

Concen: 51.654 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

C00W9MSD

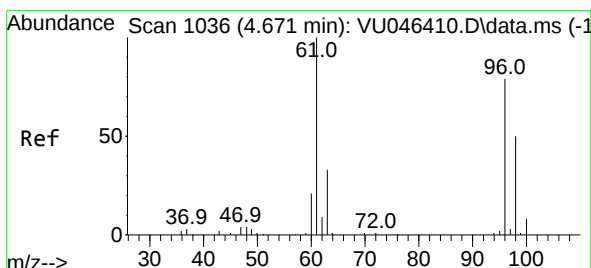
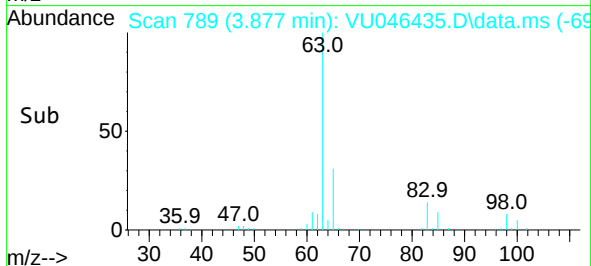
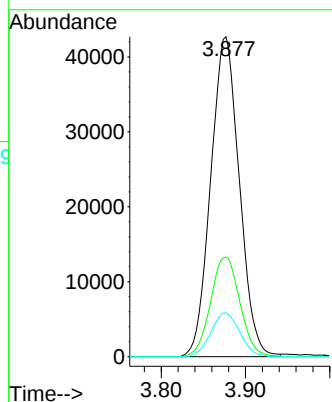
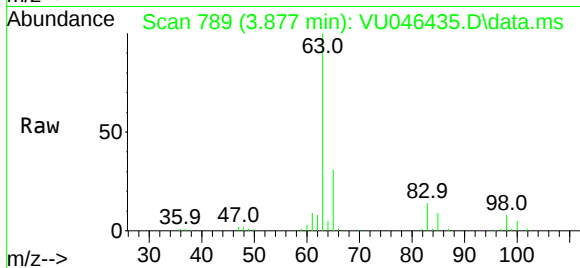
Tgt Ion: 63 Resp: 100664

Ion Ratio Lower Upper

63 100

65 31.2 22.8 42.4

83 13.7 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 51.227 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

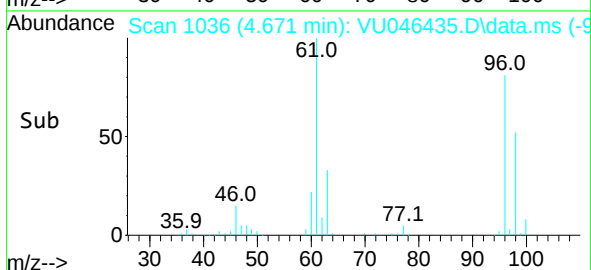
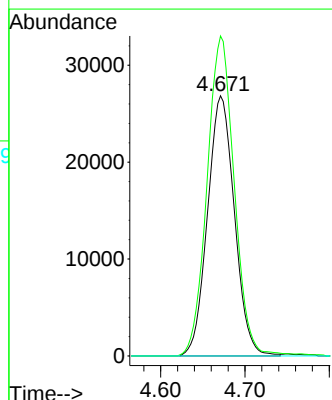
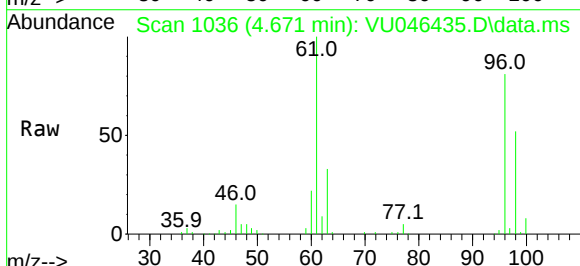
Tgt Ion: 96 Resp: 59576

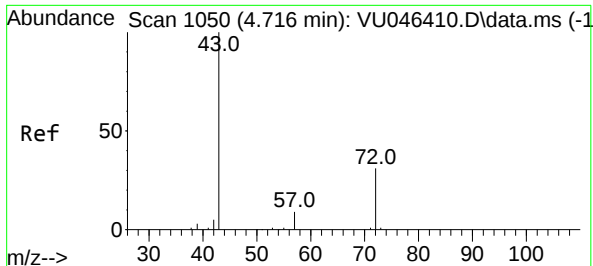
Ion Ratio Lower Upper

96 100

61 123.0 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 73.099 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

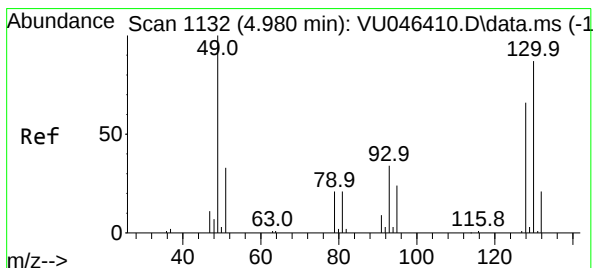
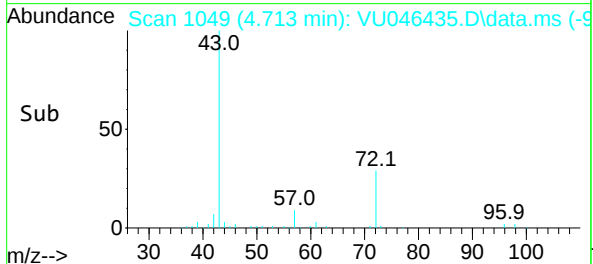
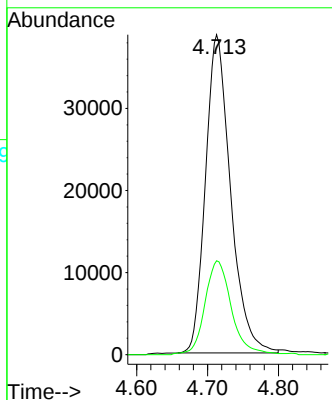
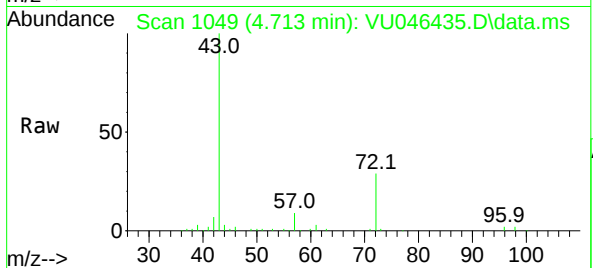
C00W9MSD

Tgt Ion: 43 Resp: 95394

Ion Ratio Lower Upper

43 100

72 31.1 14.5 43.6



#23

Bromochloromethane

Concen: 52.365 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Tgt Ion:128 Resp: 30758

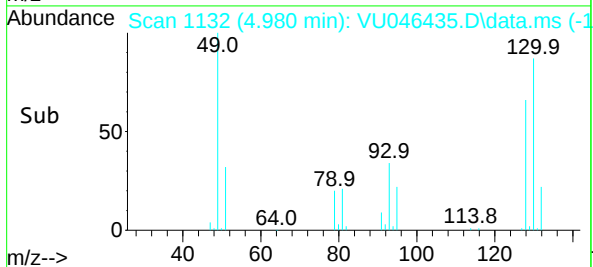
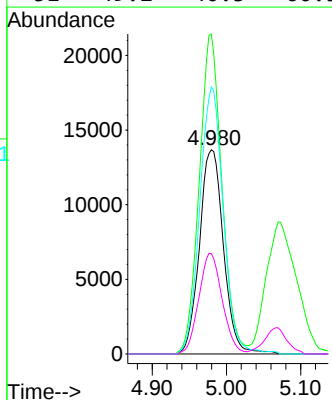
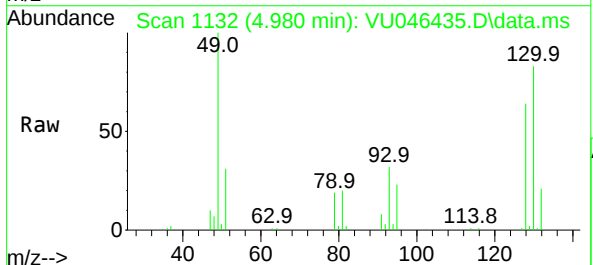
Ion Ratio Lower Upper

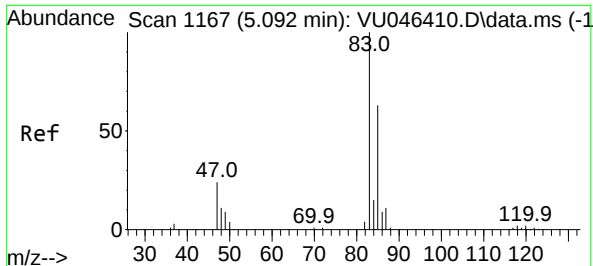
128 100

49 156.7 115.9 215.3

130 130.8 91.8 170.4

51 49.2 40.3 60.5





#25

Chloroform

Concen: 51.051 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

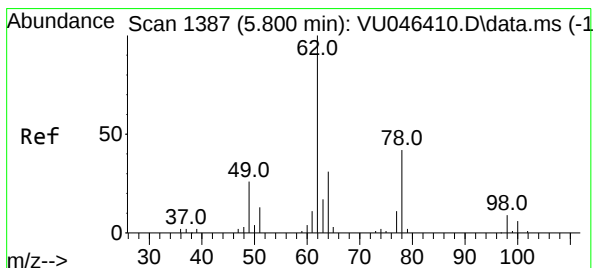
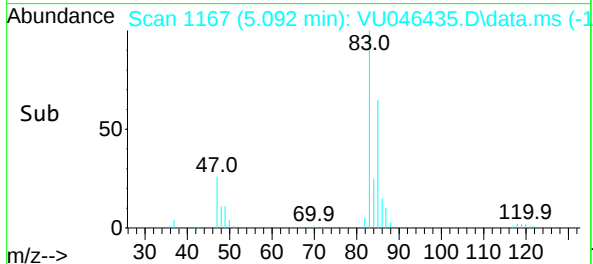
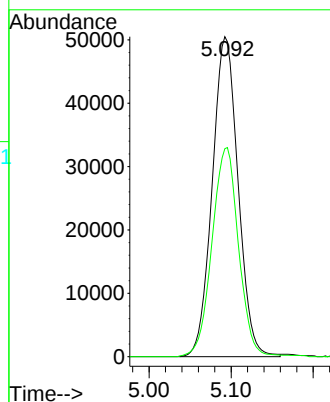
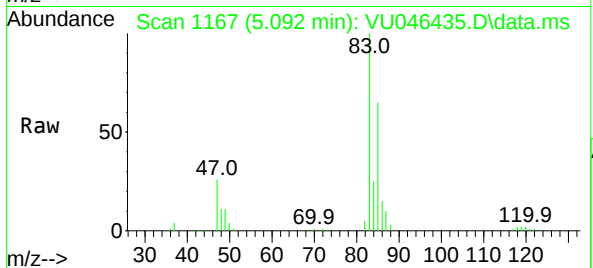
C00W9MSD

Tgt Ion: 83 Resp: 110538

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.2



#27

1,2-Dichloroethane

Concen: 54.290 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046435.D

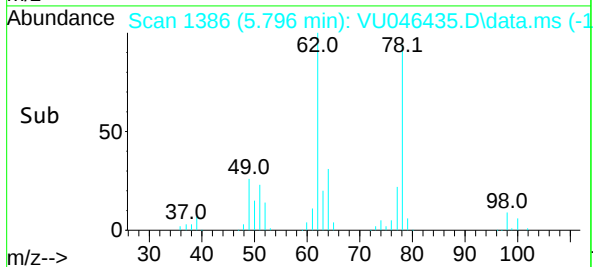
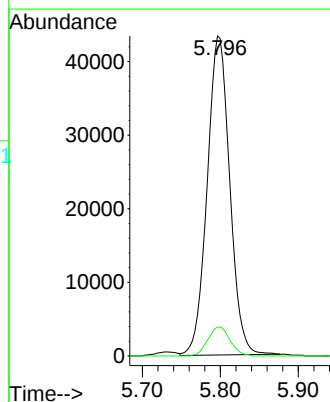
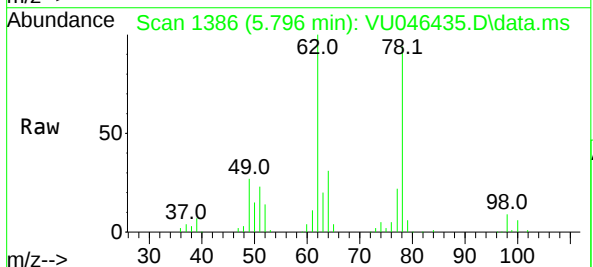
Acq: 16 Dec 2021 20:33

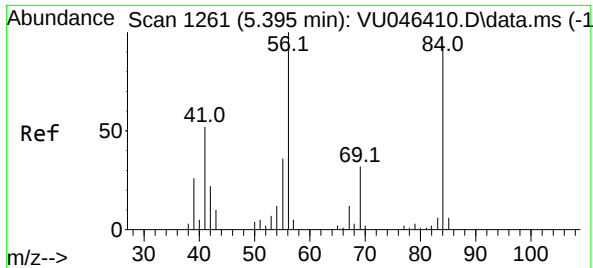
Tgt Ion: 62 Resp: 87231

Ion Ratio Lower Upper

62 100

98 9.0 7.9 11.9





#29

Cyclohexane

Concen: 39.013 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

C00W9MSD

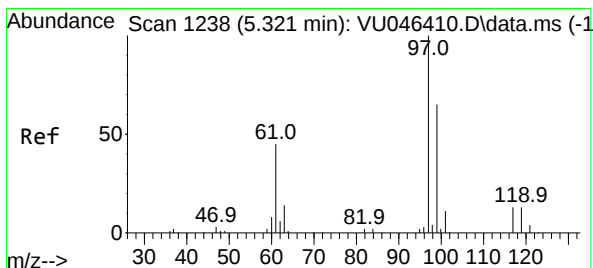
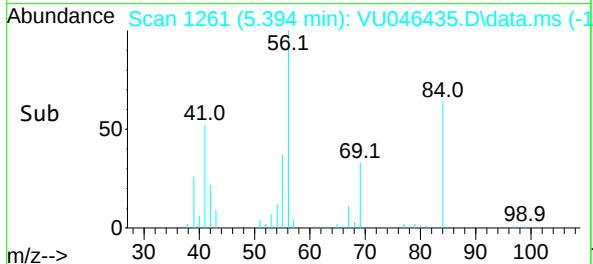
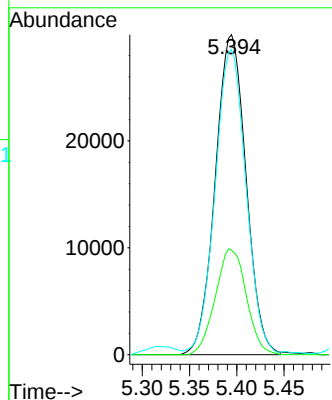
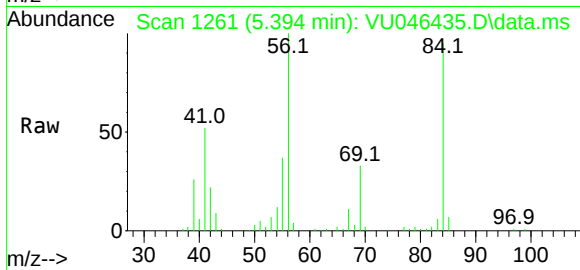
Tgt Ion: 56 Resp: 67765

Ion Ratio Lower Upper

56 100

69 33.2 25.2 37.8

84 94.8 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 52.299 ug/L

RT: 5.320 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

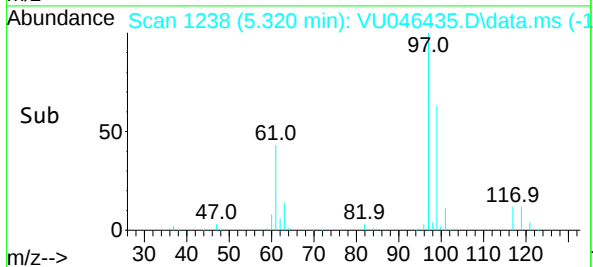
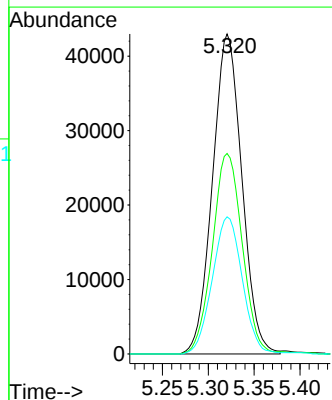
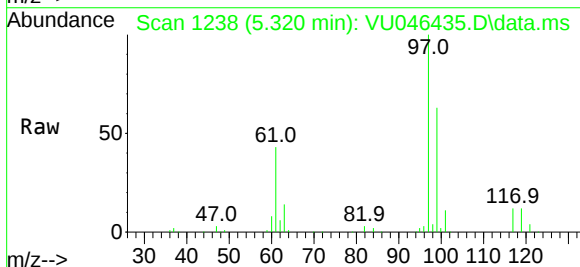
Tgt Ion: 97 Resp: 95763

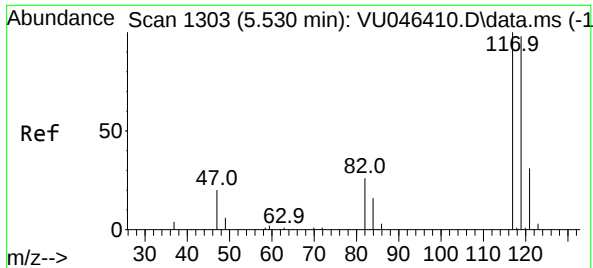
Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.6

61 43.7 34.4 51.6

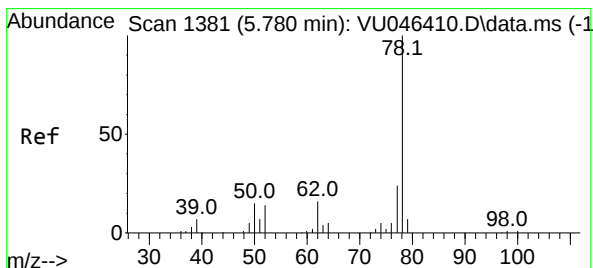
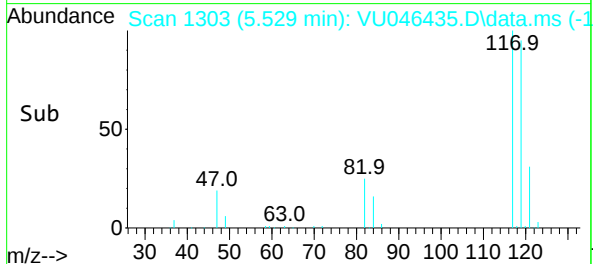
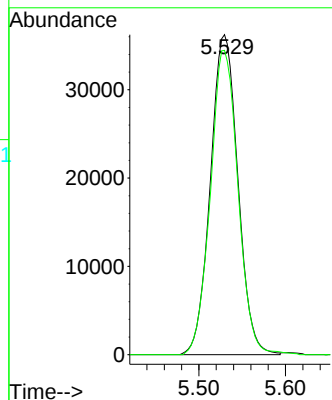
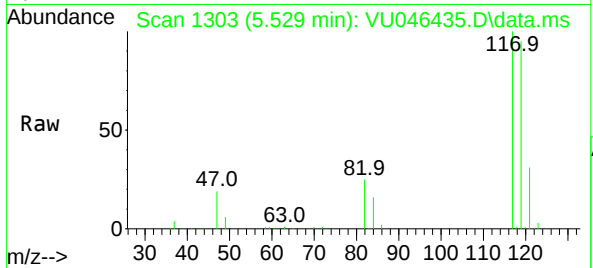




#31
Carbon tetrachloride
Concen: 51.419 ug/L
RT: 5.529 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

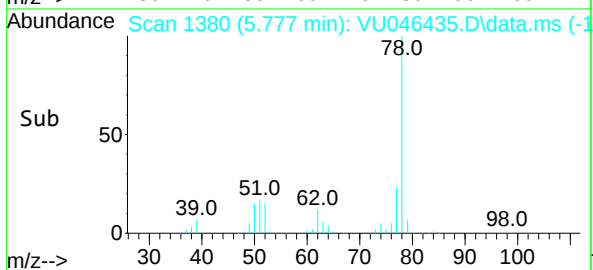
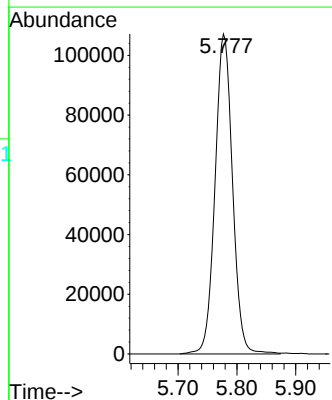
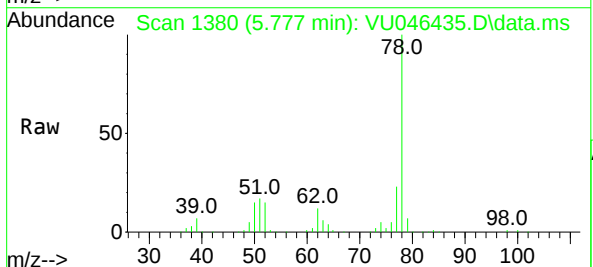
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

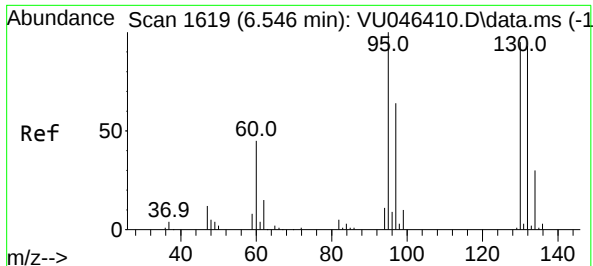
Tgt Ion:117 Resp: 79930
Ion Ratio Lower Upper
117 100
119 95.8 75.7 113.5



#33
Benzene
Concen: 49.020 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion: 78 Resp: 221317





#34

Trichloroethene

Concen: 46.569 ug/L

RT: 6.545 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

C00W9MSD

Tgt Ion: 95 Resp: 55389

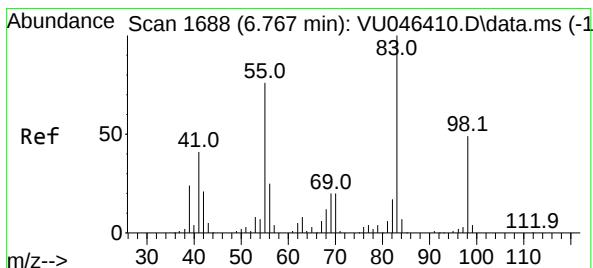
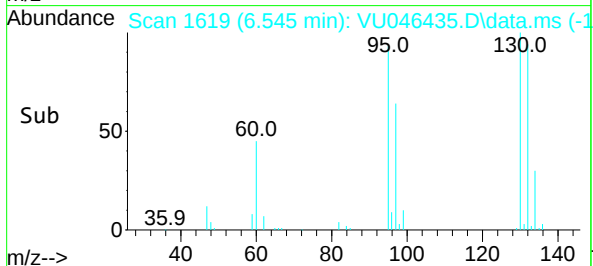
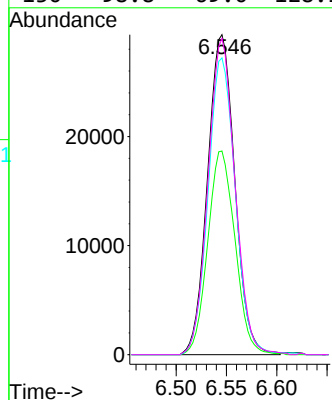
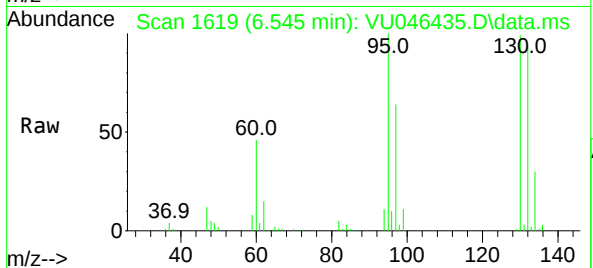
Ion Ratio Lower Upper

95 100

97 63.7 44.1 81.9

132 92.7 66.8 124.0

130 98.8 69.0 128.1



#35

Methylcyclohexane

Concen: 41.513 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

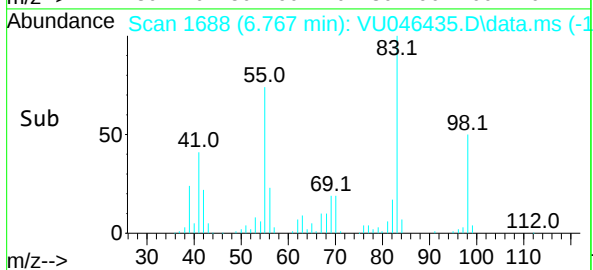
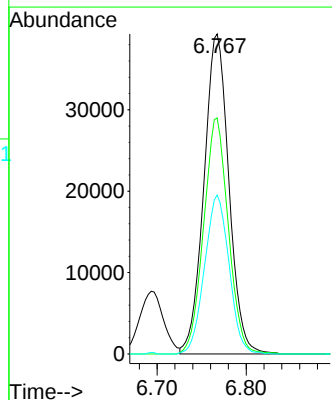
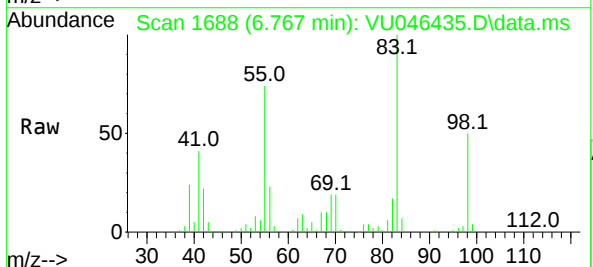
Tgt Ion: 83 Resp: 76559

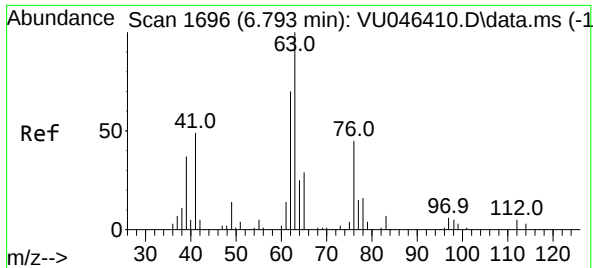
Ion Ratio Lower Upper

83 100

55 72.9 57.8 86.6

98 48.8 38.4 57.6





#37

1,2-Dichloropropane

Concen: 51.427 ug/L

RT: 6.796 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

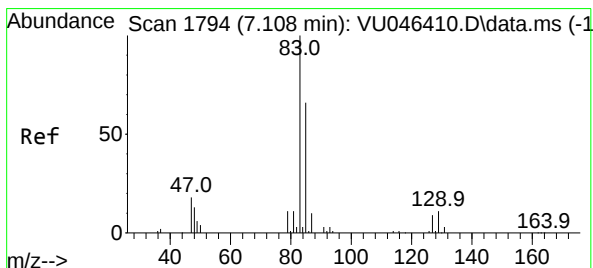
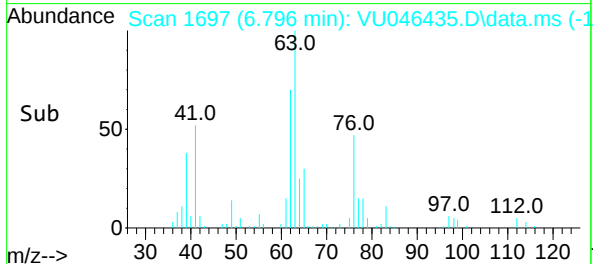
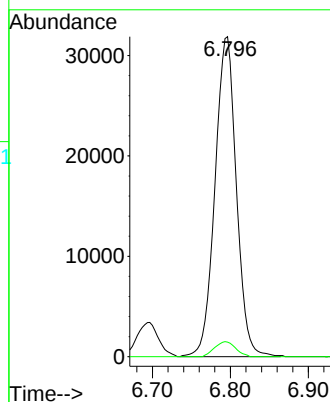
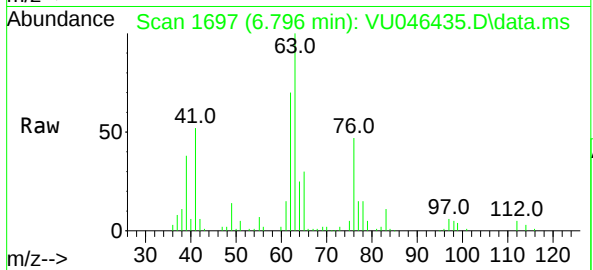
C00W9MSD

Tgt Ion: 63 Resp: 60822

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 54.095 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

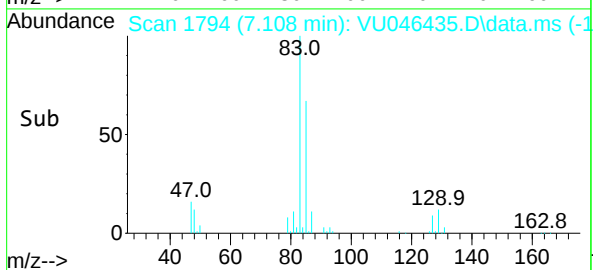
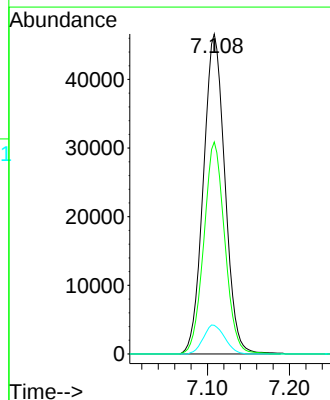
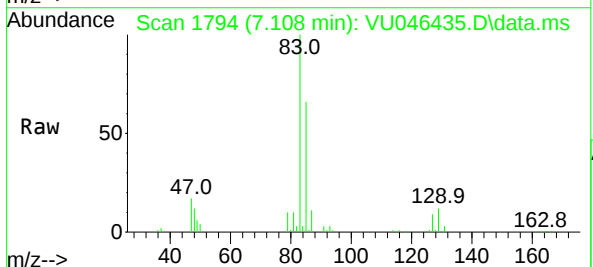
Tgt Ion: 83 Resp: 85036

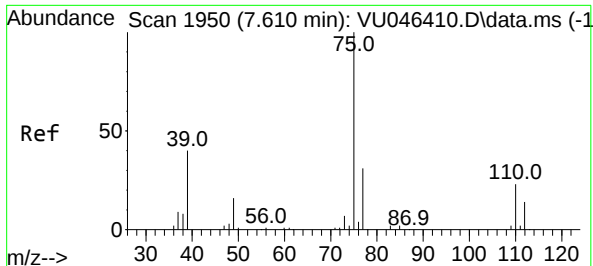
Ion Ratio Lower Upper

83 100

85 66.3 44.4 82.5

127 9.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 50.579 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

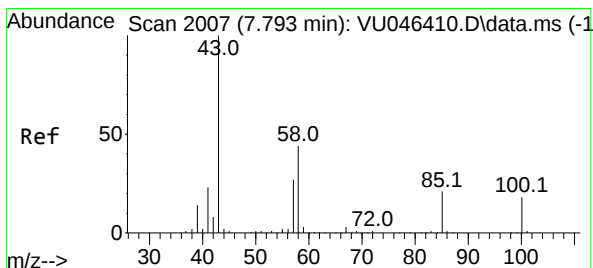
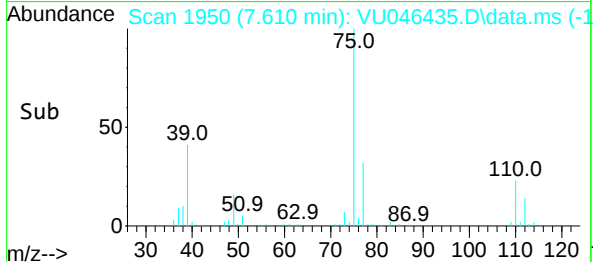
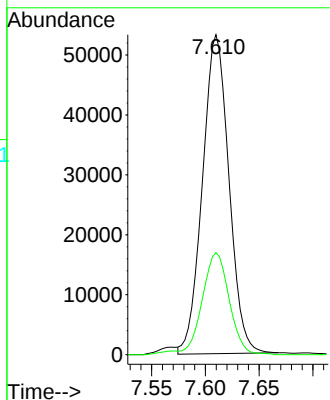
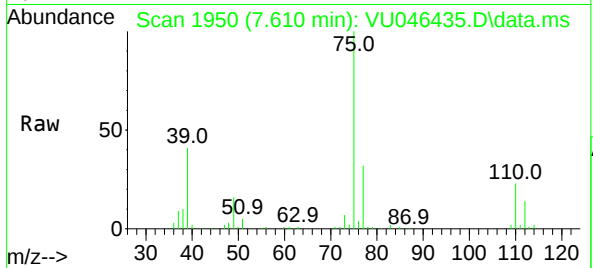
C00W9MSD

Tgt Ion: 75 Resp: 91002

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 103.357 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

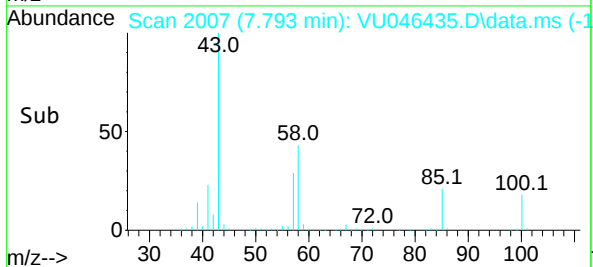
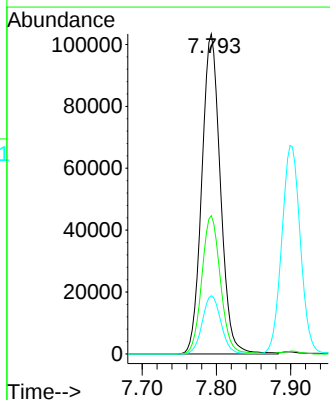
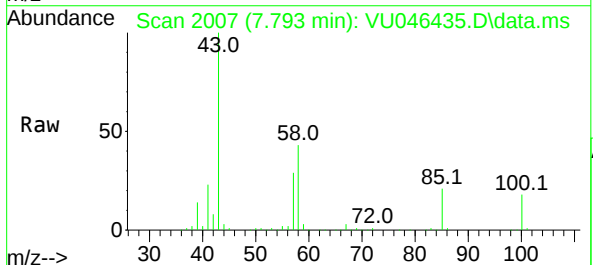
Tgt Ion: 43 Resp: 179598

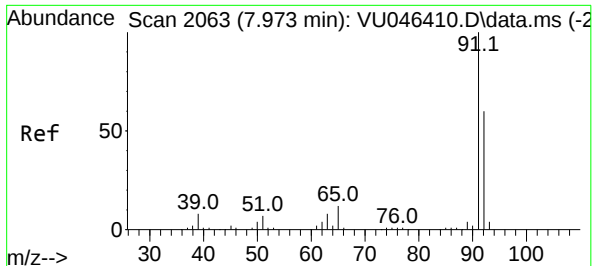
Ion Ratio Lower Upper

43 100

58 43.4 34.2 51.4

100 18.3 14.5 21.7





#42

Toluene

Concen: 49.168 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

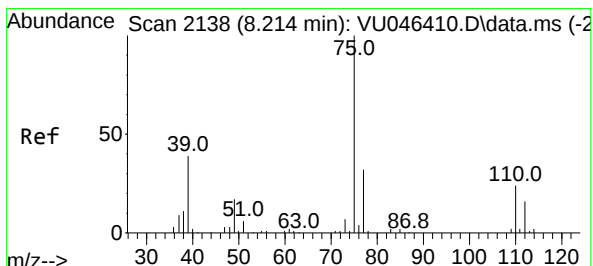
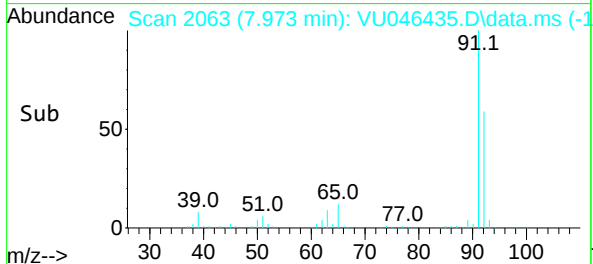
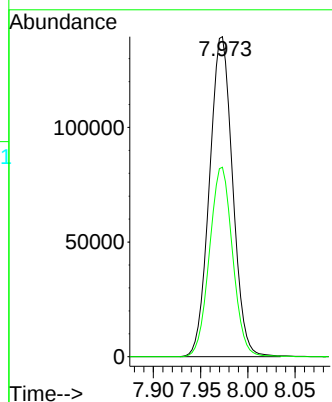
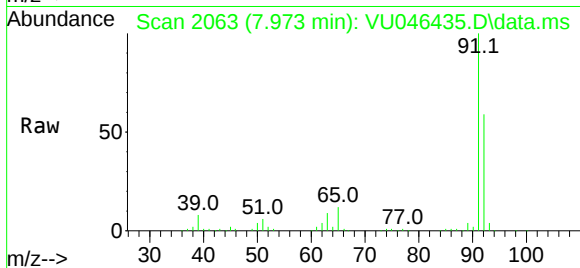
C00W9MSD

Tgt Ion: 91 Resp: 238193

Ion Ratio Lower Upper

91 100

92 59.2 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 52.908 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046435.D

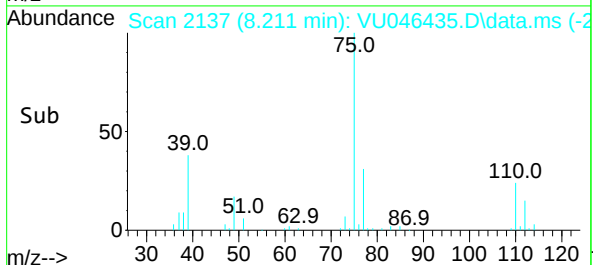
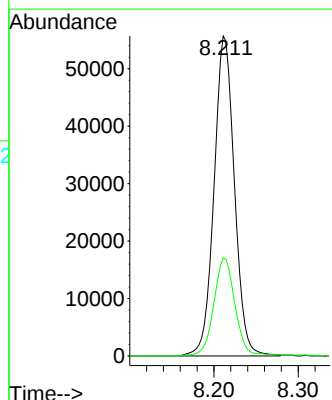
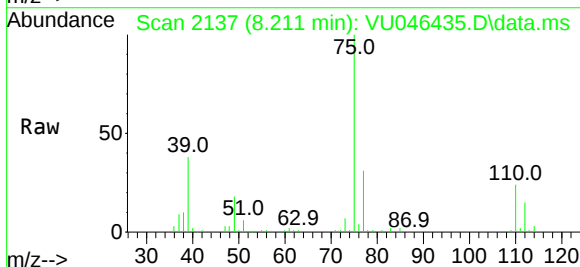
Acq: 16 Dec 2021 20:33

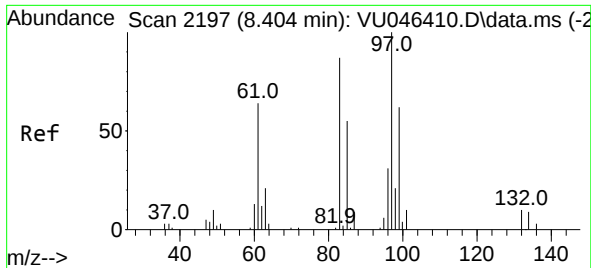
Tgt Ion: 75 Resp: 93494

Ion Ratio Lower Upper

75 100

77 30.6 21.7 40.3

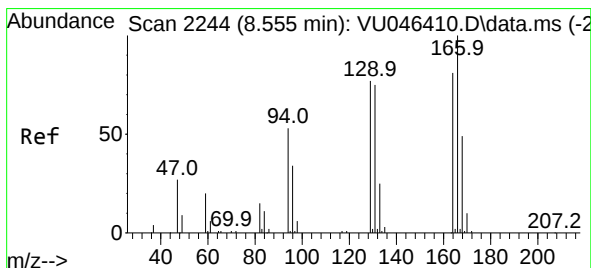
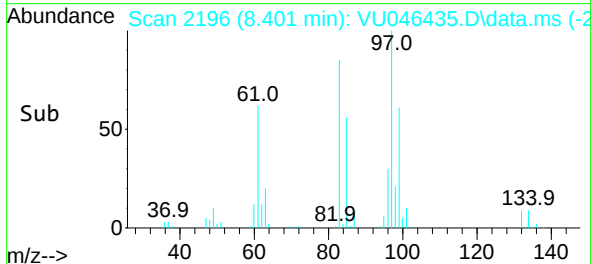
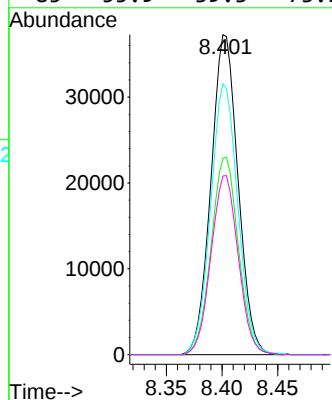
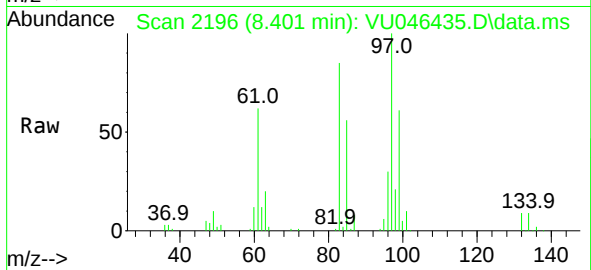




#45
1,1,2-Trichloroethane
Concen: 53.118 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

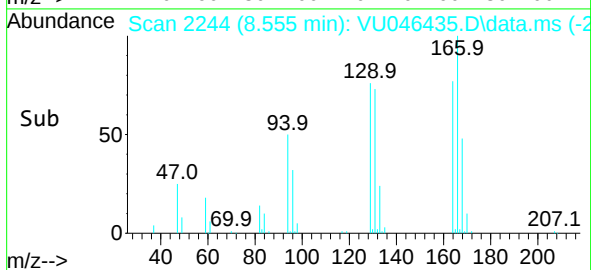
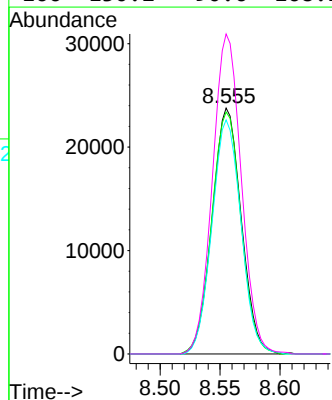
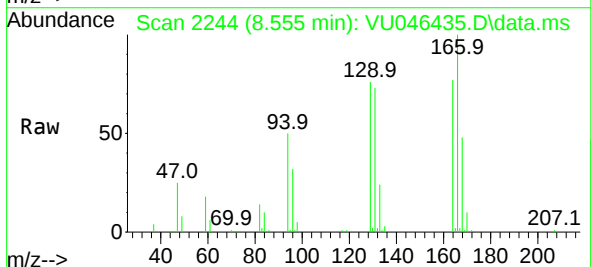
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

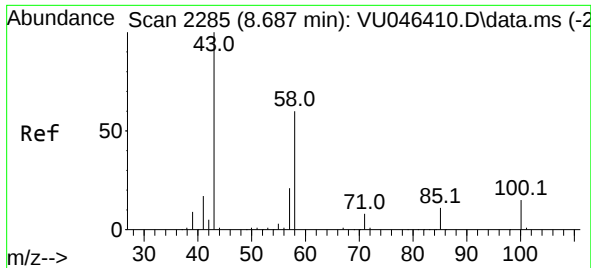
Tgt Ion: 97	Resp: 63026
Ion Ratio	Lower Upper
97 100	
99 61.3	44.7 82.9
83 84.7	60.2 111.8
85 55.9	39.3 73.1



#46
Tetrachloroethene
Concen: 45.994 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt	Ion:164	Resp:	40201
Ion	Ratio	Lower	Upper
164	100		
129	98.4	71.1	132.1
131	95.2	67.8	126.0
166	130.2	90.6	168.2

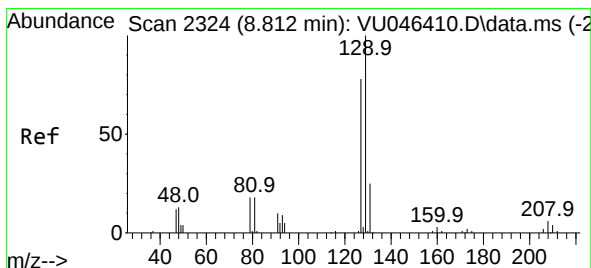
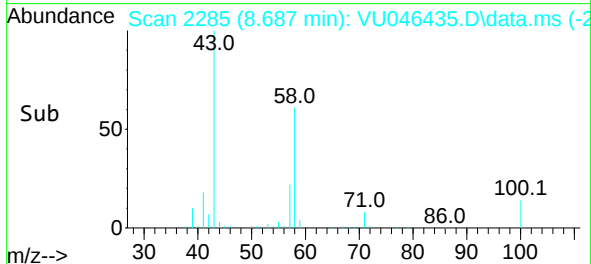
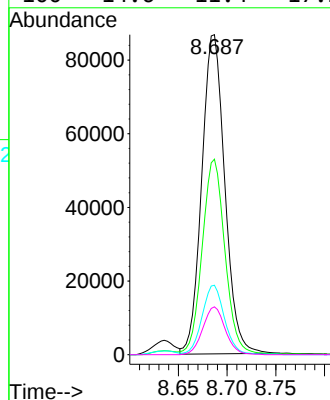
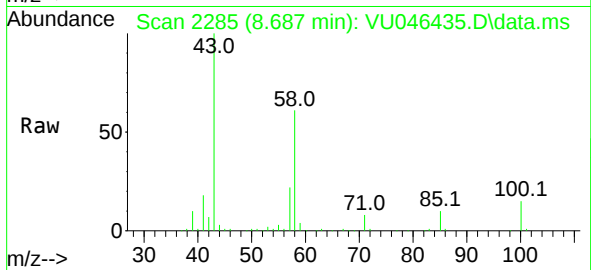




#48
2-Hexanone
Concen: 91.937 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

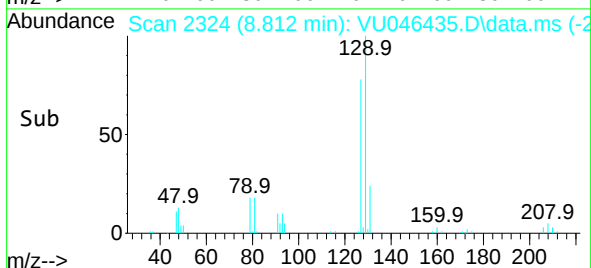
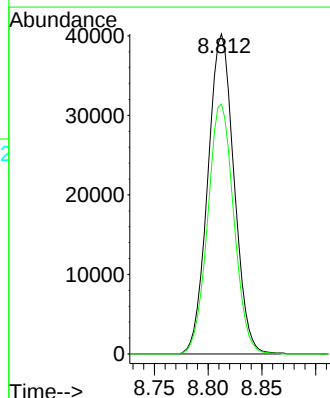
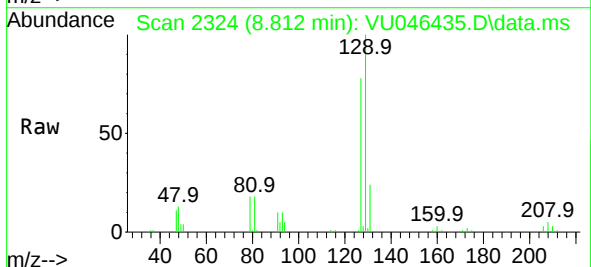
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

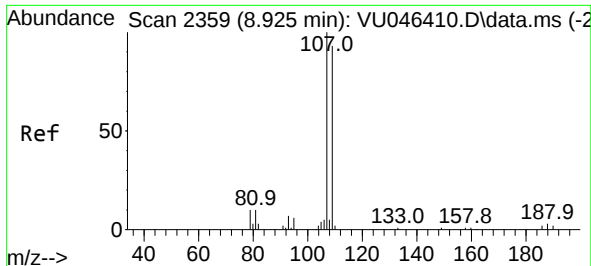
Tgt Ion: 43	Resp: 142873
Ion Ratio	Lower Upper
43 100	
58 60.1	47.4 71.2
57 20.8	16.6 25.0
100 14.6	11.4 17.2



#49
Dibromochloromethane
Concen: 54.891 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion:129	Resp: 68394		
Ion Ratio	Lower	Upper	
129 100			
127 78.1	55.6	103.4	

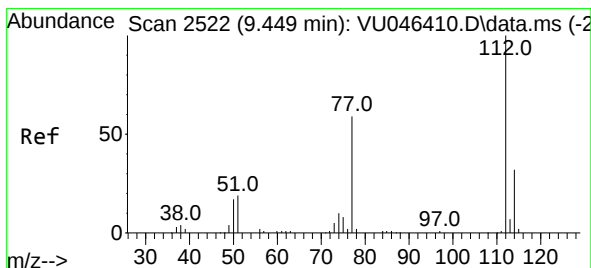
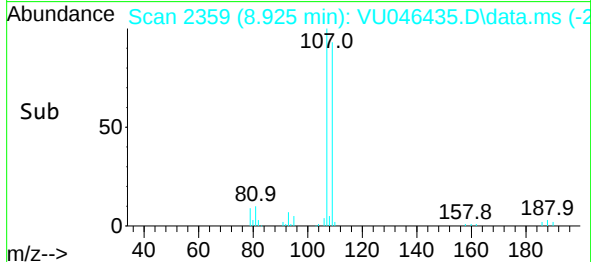
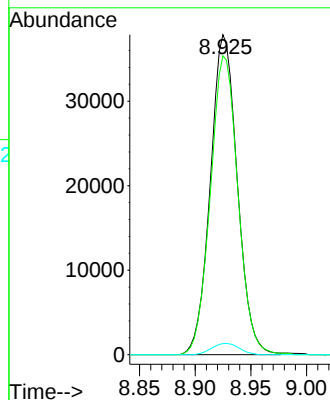
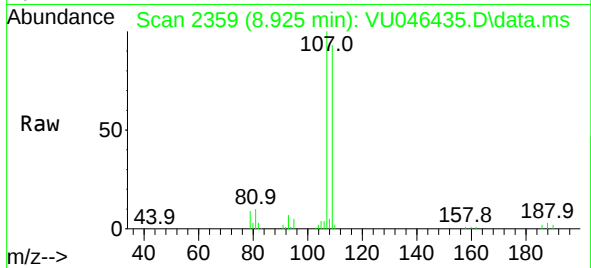




#50
1,2-Dibromoethane
Concen: 49.598 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

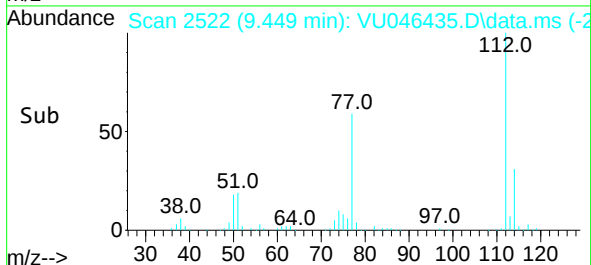
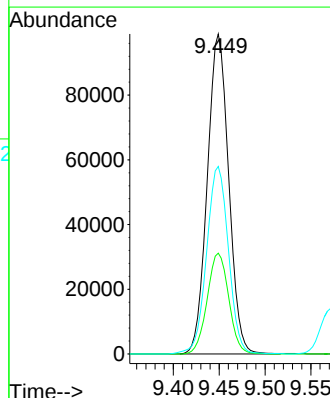
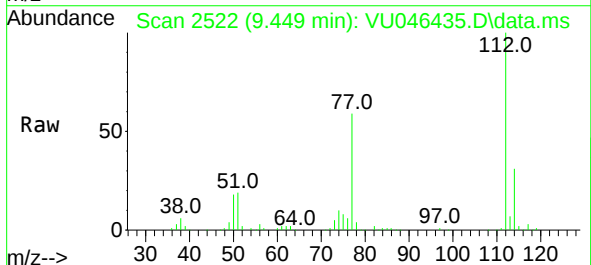
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

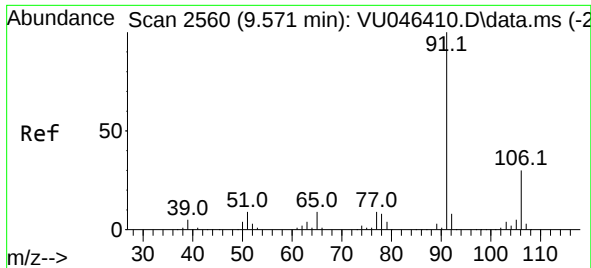
Tgt Ion:107 Resp: 63803
Ion Ratio Lower Upper
107 100
109 93.4 64.9 120.5
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 51.107 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion:112 Resp: 160178
Ion Ratio Lower Upper
112 100
114 31.5 22.2 41.2
77 58.6 47.4 71.0

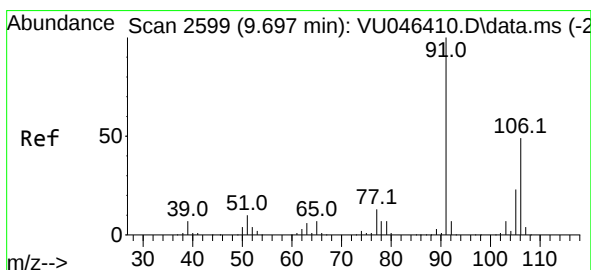
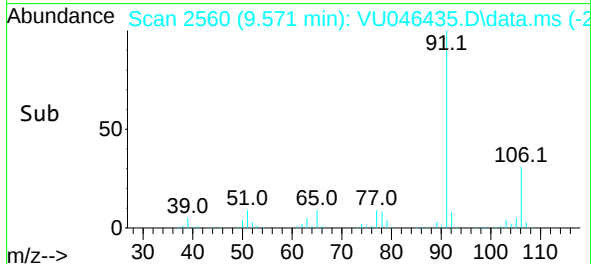
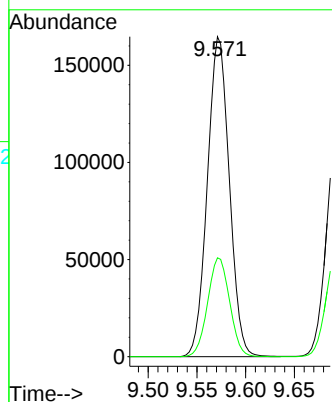
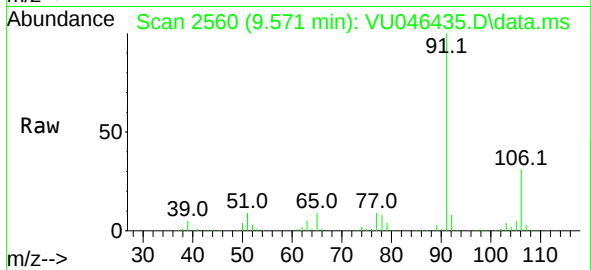




#52
Ethylbenzene
Concen: 49.407 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

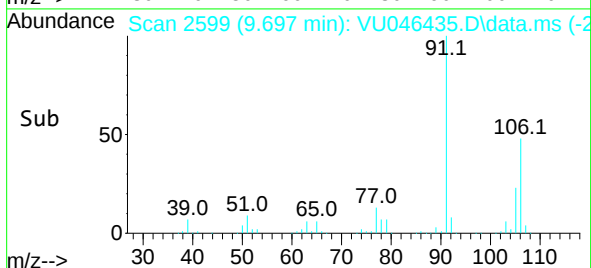
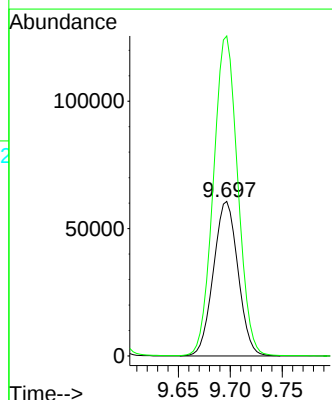
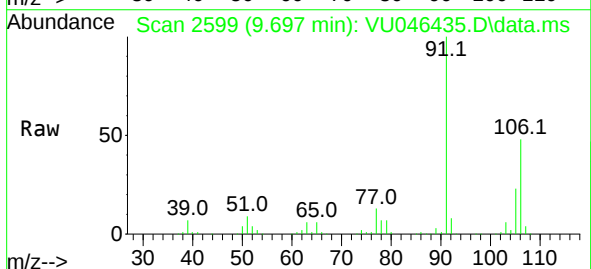
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

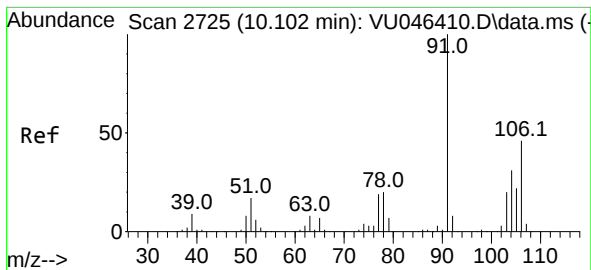
Tgt Ion: 91 Resp: 257596
Ion Ratio Lower Upper
91 100
106 30.9 21.1 39.3



#53
m,p-Xylene
Concen: 49.130 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion:106 Resp: 99895
Ion Ratio Lower Upper
106 100
91 207.1 144.3 268.1





#54

o-xylene

Concen: 50.700 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

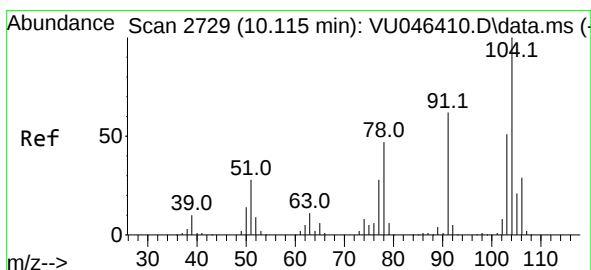
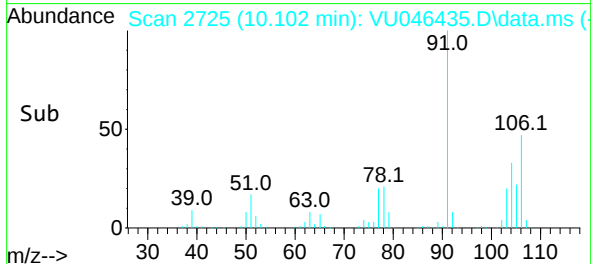
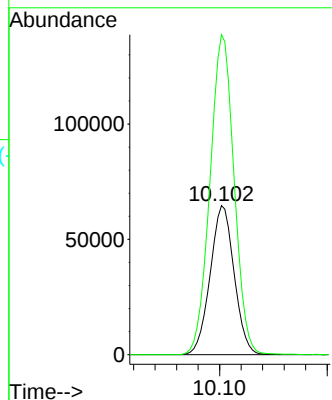
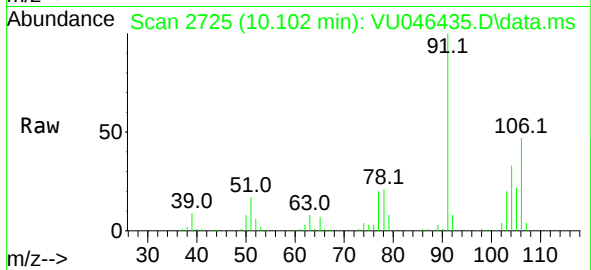
C00W9MSD

Tgt Ion:106 Resp: 100029

Ion Ratio Lower Upper

106 100

91 214.5 154.2 286.4



#55

Styrene

Concen: 53.107 ug/L

RT: 10.114 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU046435.D

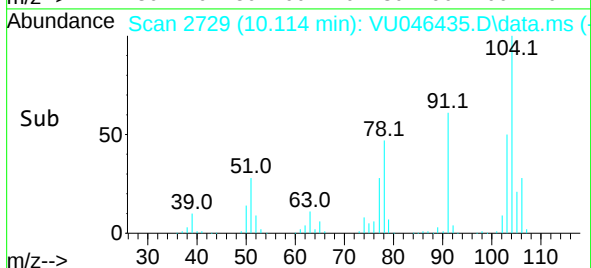
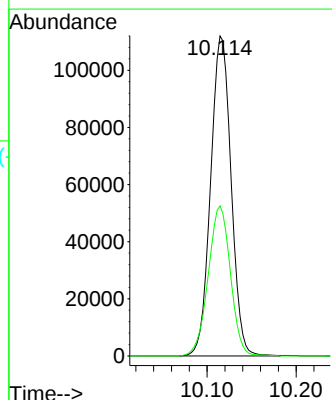
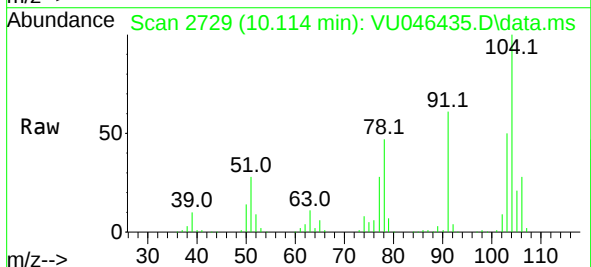
Acq: 16 Dec 2021 20:33

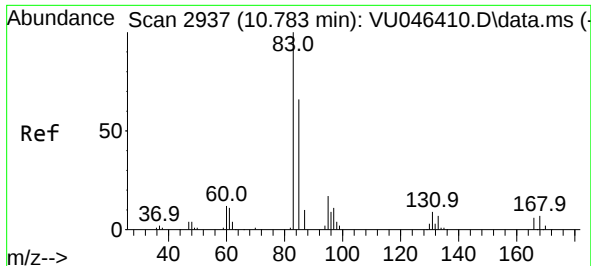
Tgt Ion:104 Resp: 178887

Ion Ratio Lower Upper

104 100

78 46.9 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 52.800 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

C00W9MSD

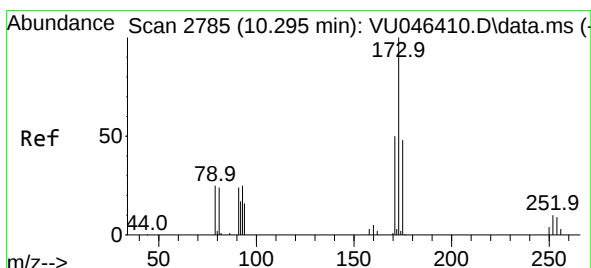
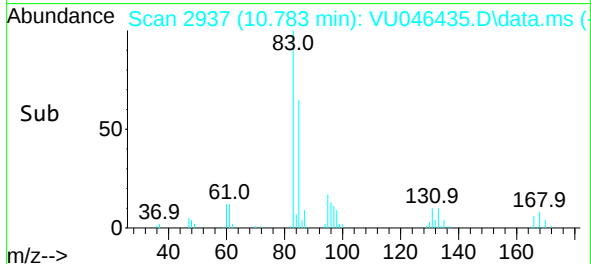
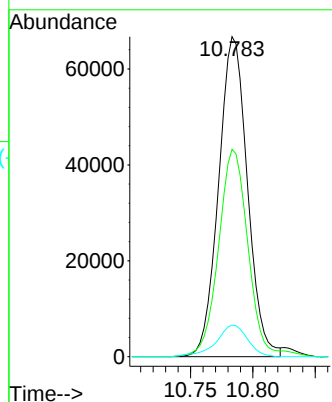
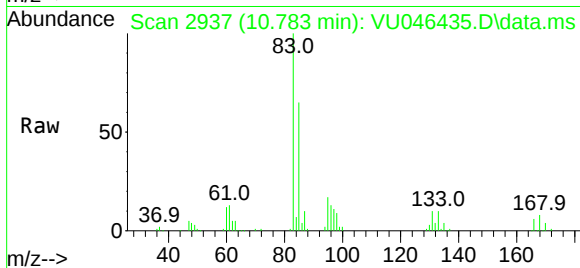
Tgt Ion: 83 Resp: 107408

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.6

131 9.9 7.8 11.6



#59

Bromoform

Concen: 52.615 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

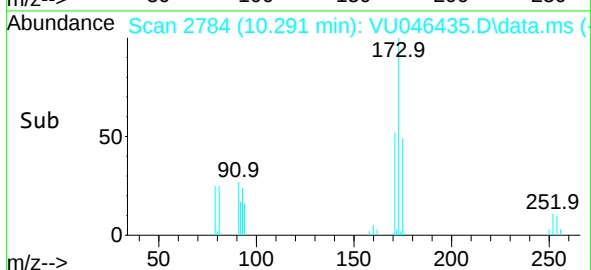
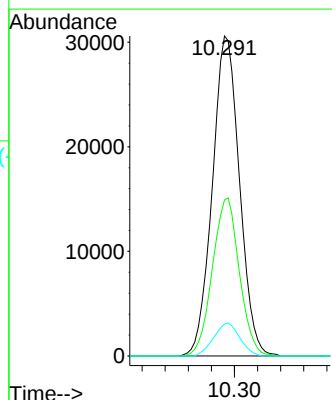
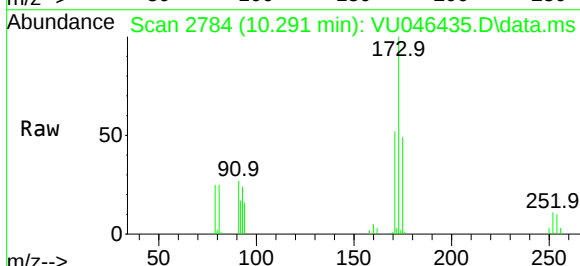
Tgt Ion: 173 Resp: 49932

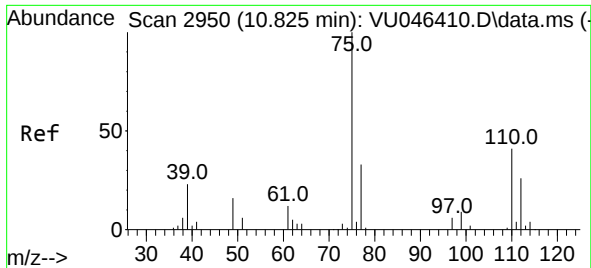
Ion Ratio Lower Upper

173 100

175 48.8 39.2 58.8

254 9.9 7.4 11.2

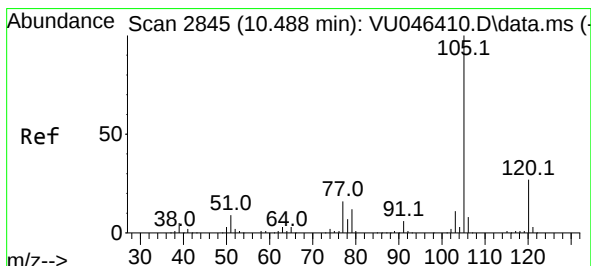
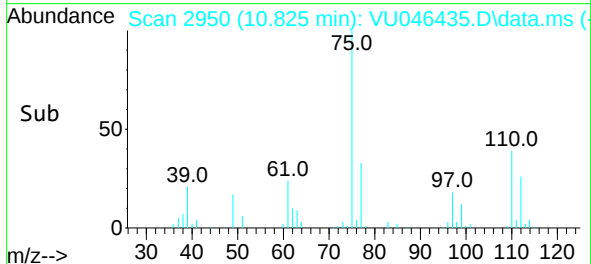
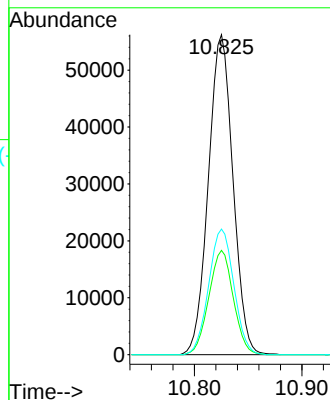
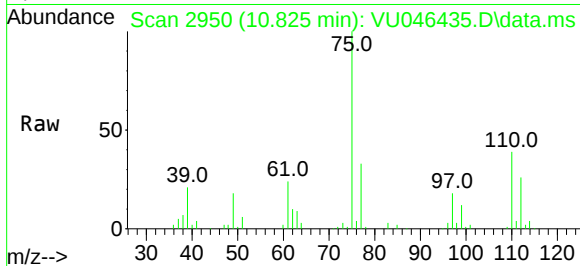




#60
1,2,3-Trichloropropane
Concen: 50.444 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

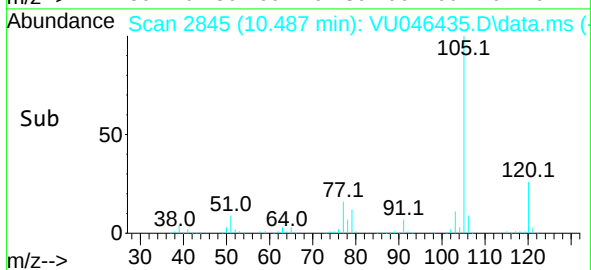
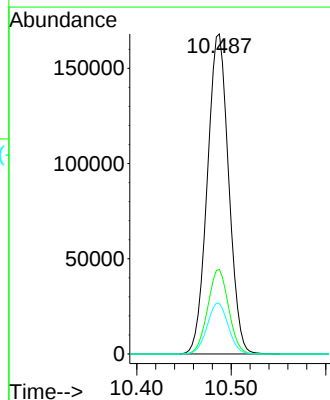
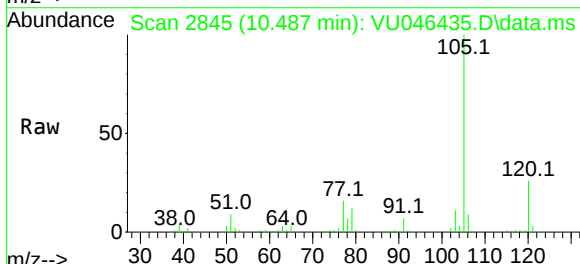
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

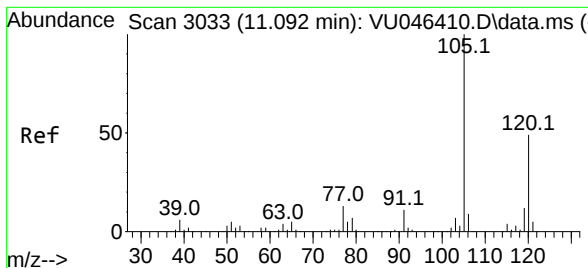
Tgt Ion:	75	Resp:	89454
Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.4	39.6
110	40.2	32.4	48.6



#61
Isopropylbenzene
Concen: 50.001 ug/L
RT: 10.487 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion:	105	Resp:	263180
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1
77	15.8	12.2	18.4





#62

1,3,5-Trimethylbenzene

Concen: 51.567 ug/L

RT: 11.092 min Scan# 3033

Delta R.T. -0.000 min

Lab File: VU046435.D

Acq: 16 Dec 2021 20:33

Instrument :

MSVOA_U

ClientSampleId :

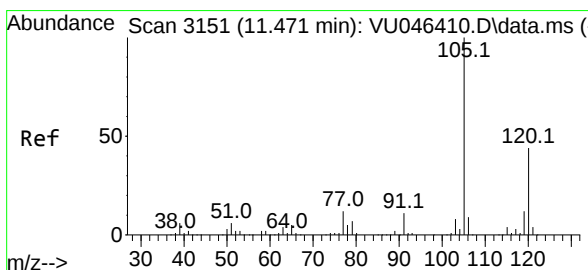
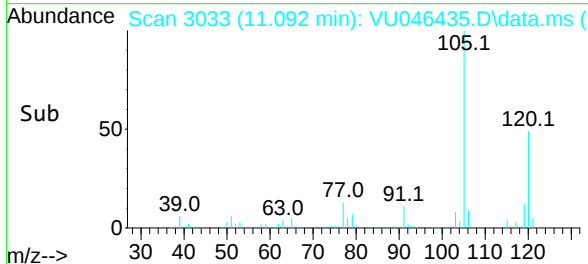
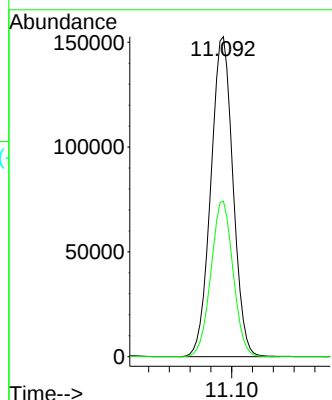
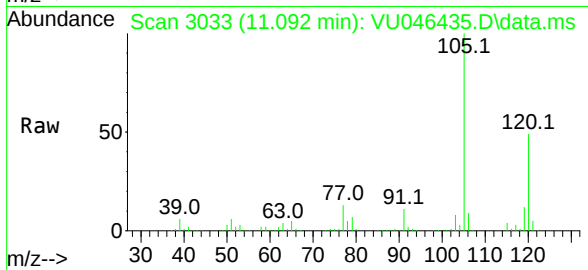
C00W9MSD

Tgt Ion:105 Resp: 226235

Ion Ratio Lower Upper

105 100

120 48.6 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 52.633 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046435.D

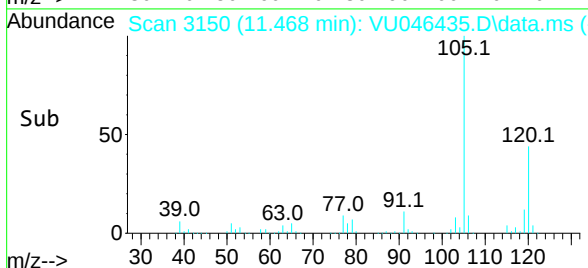
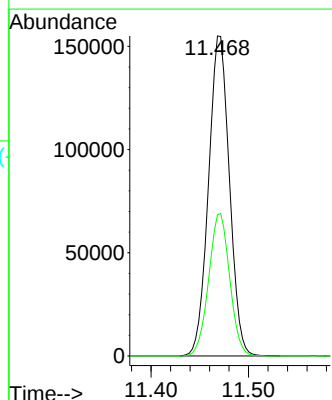
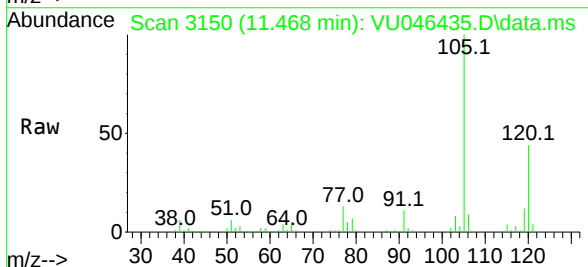
Acq: 16 Dec 2021 20:33

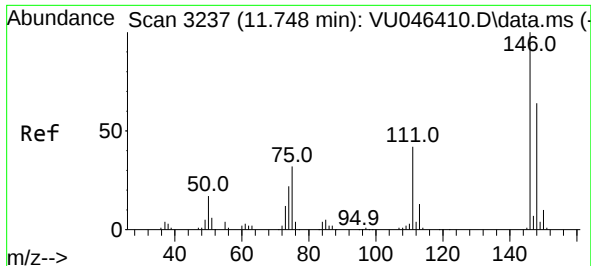
Tgt Ion:105 Resp: 231025

Ion Ratio Lower Upper

105 100

120 44.7 35.2 52.8

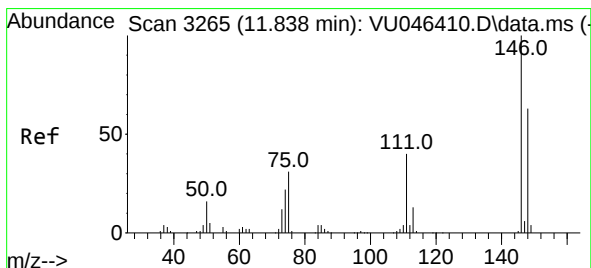
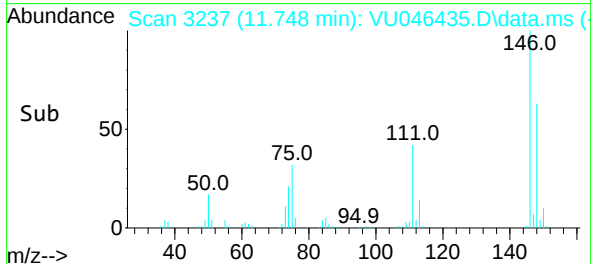
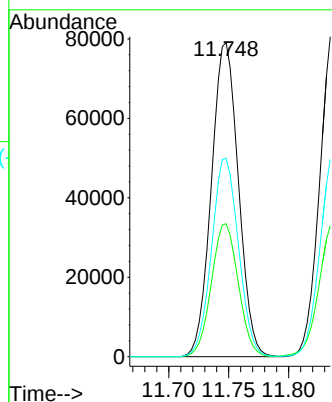
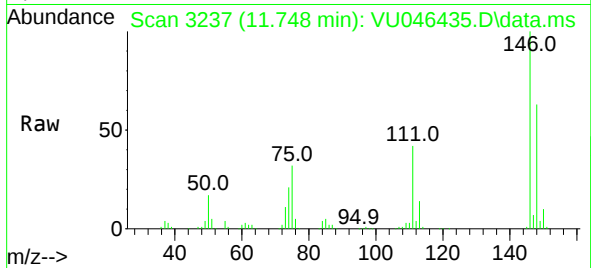




#64
1,3-Dichlorobenzene
Concen: 49.508 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

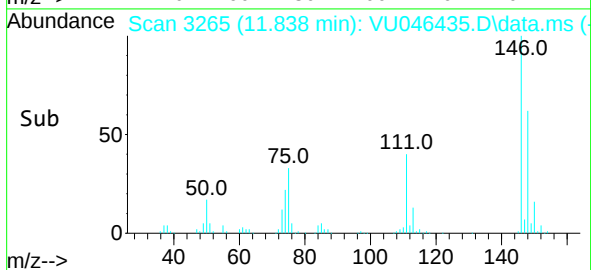
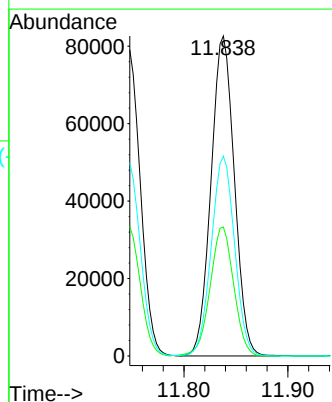
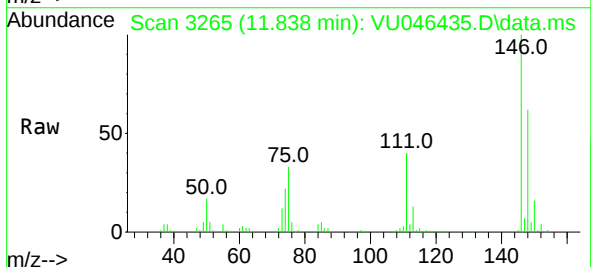
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

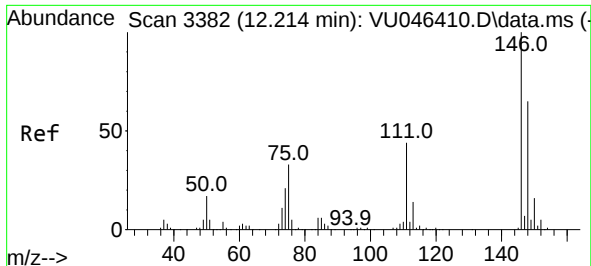
Tgt Ion:146 Resp: 123782
Ion Ratio Lower Upper
146 100
111 42.3 29.5 54.9
148 63.1 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 49.987 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion:146 Resp: 129165
Ion Ratio Lower Upper
146 100
111 40.3 28.3 52.7
148 62.4 43.8 81.3

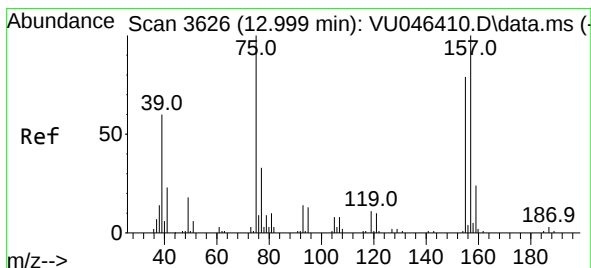
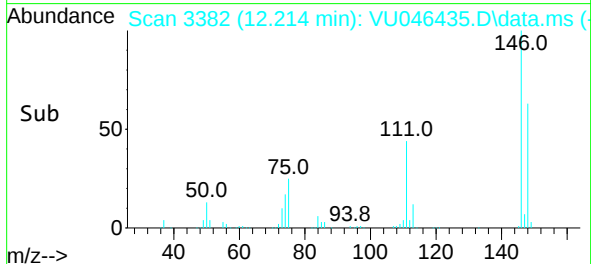
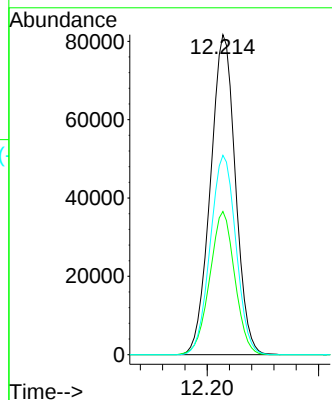
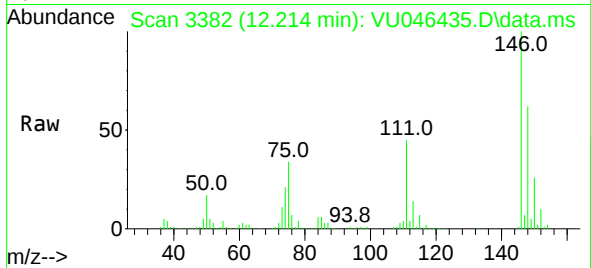




#67
1,2-Dichlorobenzene
Concen: 50.518 ug/L
RT: 12.214 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

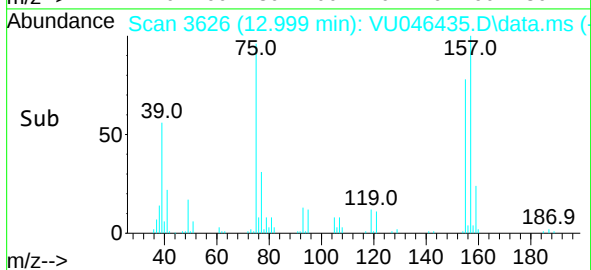
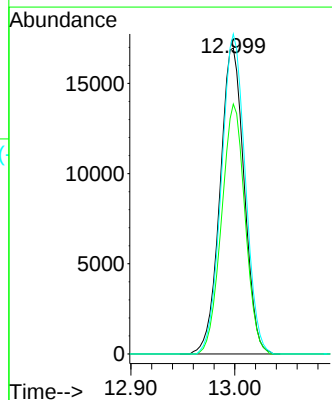
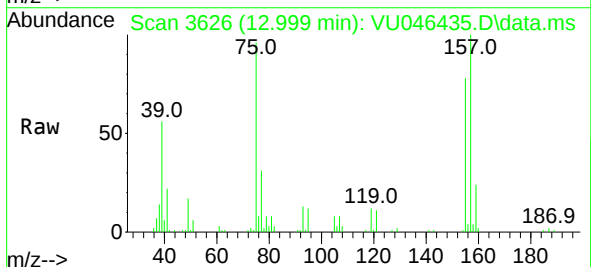
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

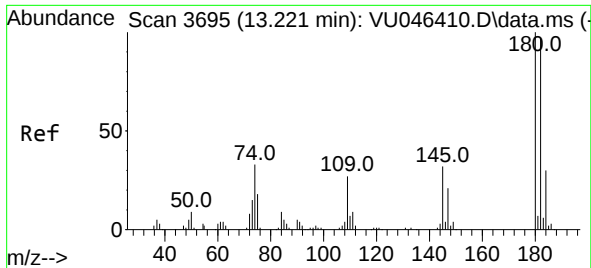
Tgt Ion:146 Resp: 127194
Ion Ratio Lower Upper
146 100
111 44.7 35.7 53.5
148 62.3 51.2 76.8



#68
1,2-Dibromo-3-chloropropane
Concen: 58.146 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion: 75 Resp: 27469
Ion Ratio Lower Upper
75 100
155 81.7 64.9 97.3
157 104.7 81.9 122.9

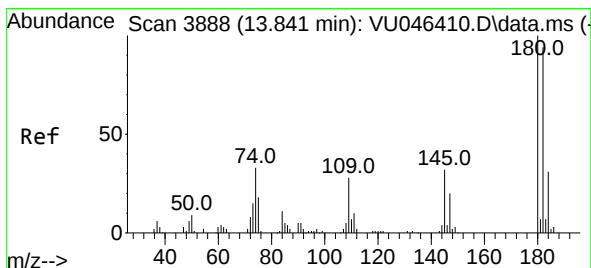
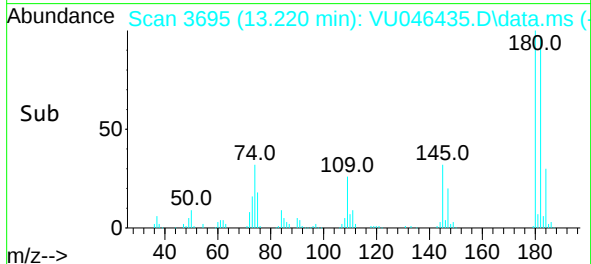
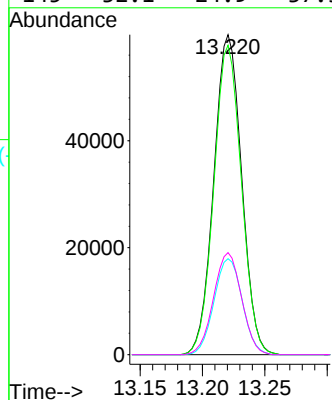
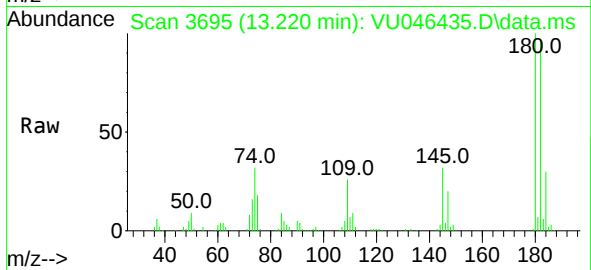




#69
1,3,5-Trichlorobenzene
Concen: 50.996 ug/L
RT: 13.220 min Scan# 3695
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

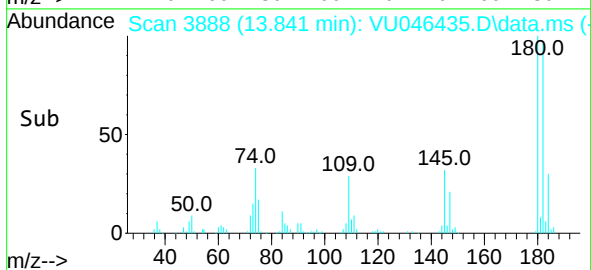
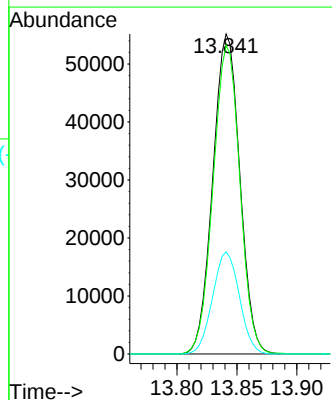
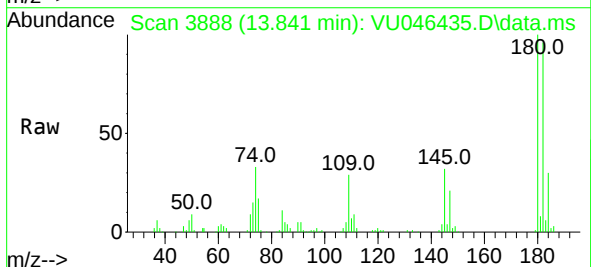
Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

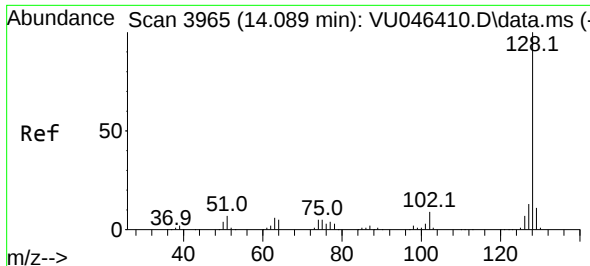
Tgt Ion:180	Resp:	92902
Ion Ratio	Lower	Upper
180	100	
182	95.8	75.9 113.9
184	30.4	24.2 36.4
145	32.1	24.9 37.3



#70
1,2,4-trichlorobenzene
Concen: 53.411 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion:180	Resp:	86345
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.7 115.1
145	31.6	26.0 39.0

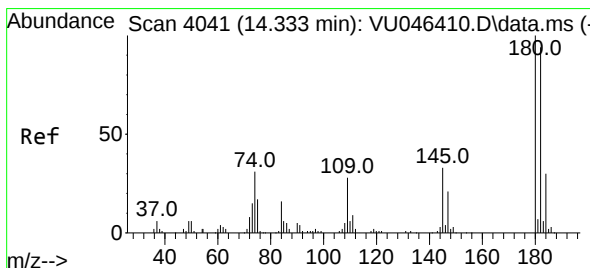
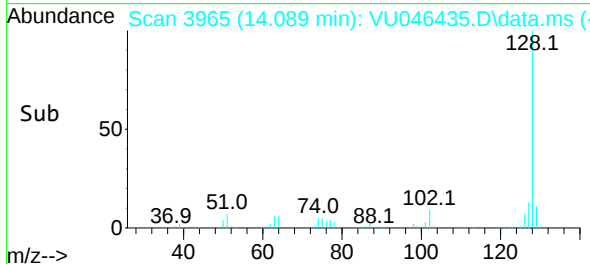
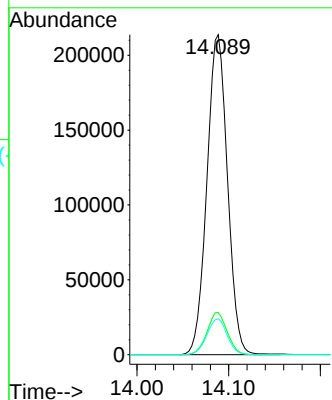
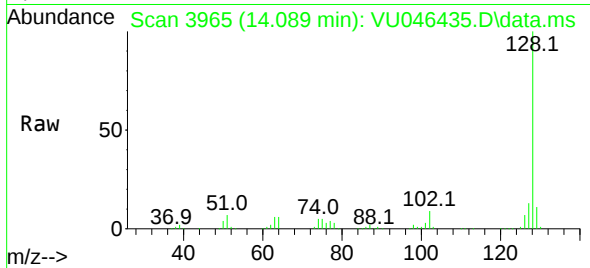




#71
Naphthalene
Concen: 59.252 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Instrument :
MSVOA_U
ClientSampleId :
C00W9MSD

Tgt Ion:128 Resp: 333325
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 57.066 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU046435.D
Acq: 16 Dec 2021 20:33

Tgt Ion:180 Resp: 94075
Ion Ratio Lower Upper
180 100
182 93.5 76.0 114.0
145 34.3 27.3 40.9

