

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046410.D
 Acq On : 16 Dec 2021 10:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:47:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	147984	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	150675	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	83157	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	71260	58.457	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 116.920%	
7) Chloroethane-d5	1.919	69	49957	53.376	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 106.760%	
11) 1,1-Dichloroethene-d2	2.575	63	113679	51.947	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 103.900%	
21) 2-Butanone-d5	4.636	46	86086	88.835	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 88.830%	
24) Chloroform-d	5.070	84	118743	58.330	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 116.660%	
26) 1,2-Dichloroethane-d4	5.706	65	75558	55.306	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 110.620%	
32) Benzene-d6	5.732	84	233004	53.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 107.900%	
36) 1,2-Dichloropropane-d6	6.694	67	70244	52.483	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 104.960%	
41) Toluene-d8	7.902	98	212192	53.964	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 107.920%	
43) trans-1,3-Dichloroprop...	8.182	79	33636	52.060	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 104.120%	
47) 2-Hexanone-d5	8.636	63	68145	107.384	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 107.380%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	102520	50.509	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 101.020%	
66) 1,2-Dichlorobenzene-d4	12.195	152	78271	48.875	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.740%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	69939	43.440	ug/L	99
3) Chloromethane	1.523	50	57563	39.972	ug/L	100
5) Vinyl chloride	1.607	62	63666	43.846	ug/L	97
6) Bromomethane	1.864	94	35821	43.525	ug/L	97
8) Chloroethane	1.941	64	37839	45.008	ug/L	99
9) Trichlorofluoromethane	2.144	101	99403	52.436	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	57010	52.944	ug/L	97
12) 1,1-Dichloroethene	2.588	96	48972	47.860	ug/L	97
13) Acetone	2.649	43	96224	79.451	ug/L	98
14) Carbon disulfide	2.800	76	105660	33.283	ug/L	99
15) Methyl Acetate	2.957	43	66339	46.988	ug/L	99
16) Methylene chloride	3.054	84	60842	49.977	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	51326	47.399	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	188364	56.445	ug/L	99
19) 1,1-Dichloroethane	3.877	63	109038	55.382	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	62888	53.524	ug/L	98
22) 2-Butanone	4.716	43	114036	86.495	ug/L	97
23) Bromochloromethane	4.980	128	32432	54.653	ug/L	95
25) Chloroform	5.092	83	120127	54.915	ug/L	97

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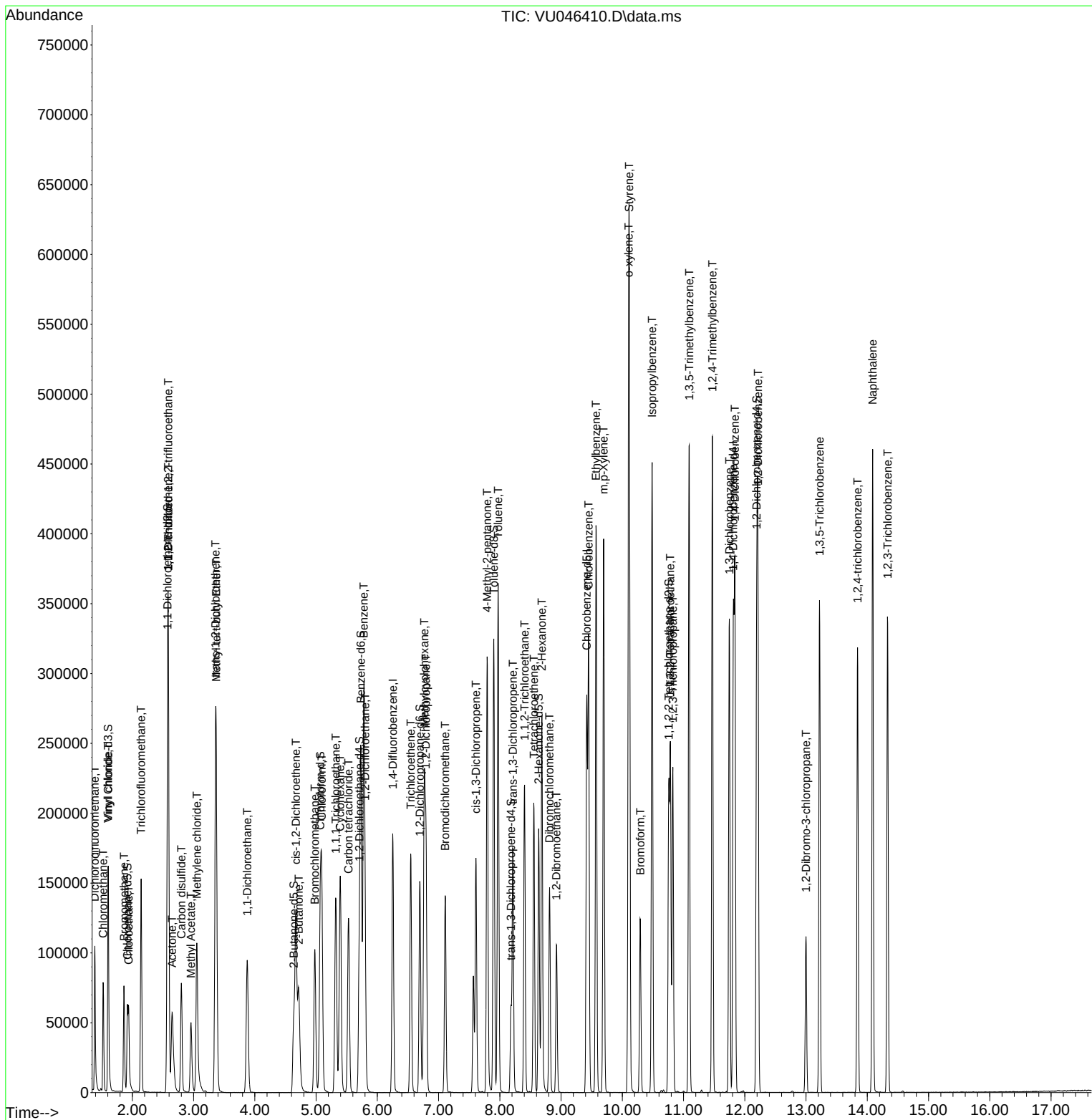
Instrument :
 MSVOA_U
 ClientSampleId :

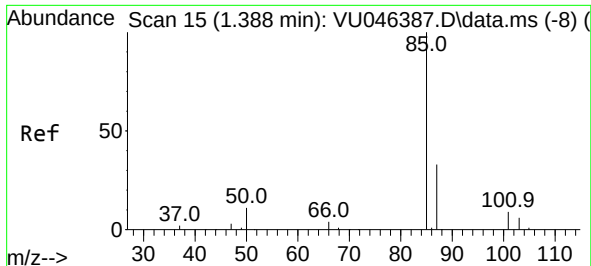
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	94584	58.267	ug/L	98
29) Cyclohexane	5.395	56	75271	42.901	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	103136	55.763	ug/L	99
31) Carbon tetrachloride	5.530	117	85983	54.760	ug/L	96
33) Benzene	5.780	78	239537	52.526	ug/L	100
34) Trichloroethene	6.546	95	59693	49.687	ug/L	97
35) Methylcyclohexane	6.767	83	86513	46.442	ug/L	98
37) 1,2-Dichloropropane	6.793	63	66864	55.971	ug/L	99
38) Bromodichloromethane	7.108	83	91771	57.796	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	97410	53.600	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	191134	108.897	ug/L	99
42) Toluene	7.973	91	258188	52.763	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	98452	55.157	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	67407	56.242	ug/L	98
46) Tetrachloroethene	8.555	164	45167	51.159	ug/L	95
48) 2-Hexanone	8.687	43	157801	100.529	ug/L	99
49) Dibromochloromethane	8.812	129	73081	58.067	ug/L	98
50) 1,2-Dibromoethane	8.925	107	68336	52.591	ug/L	100
51) Chlorobenzene	9.449	112	168076	53.091	ug/L	100
52) Ethylbenzene	9.571	91	281021	53.362	ug/L	100
53) m,p-Xylene	9.697	106	110053	53.585	ug/L	99
54) o-xylene	10.102	106	108699	54.544	ug/L	97
55) Styrene	10.115	104	192830	56.675	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	117091	56.985	ug/L	99
59) Bromoform	10.295	173	54157	55.516	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	94816	52.015	ug/L	99
61) Isopropylbenzene	10.488	105	290161	53.629	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	250709	55.593	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	256854	56.928	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	134756	52.433	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	139587	52.552	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	136715	52.824	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	28762	59.228	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	102116	54.530	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	92661	55.760	ug/L	98
71) Naphthalene	14.089	128	344018	59.491	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	99539	58.740	ug/L	100

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

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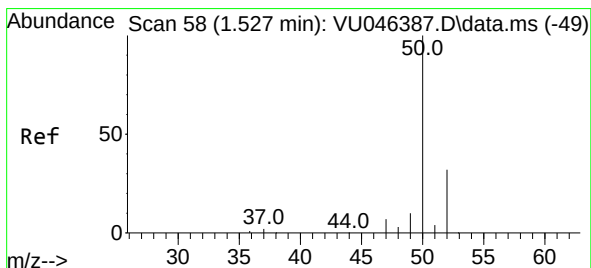
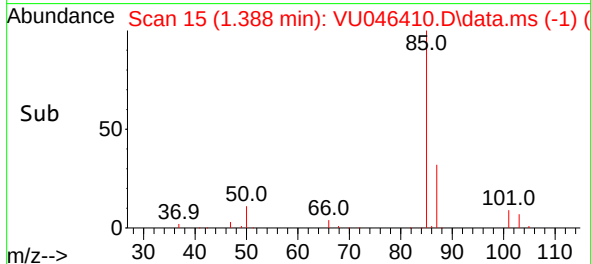
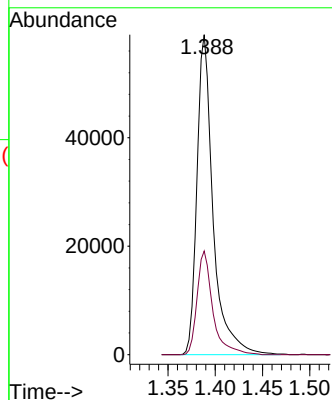
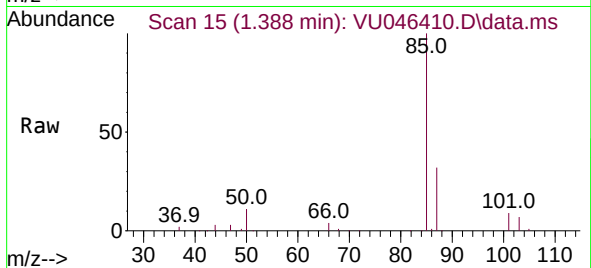




#2
 Dichlorodifluoromethane
 Concen: 43.440 ug/L
 RT: 1.388 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU046410.D
 Acq: 16 Dec 2021 10:33

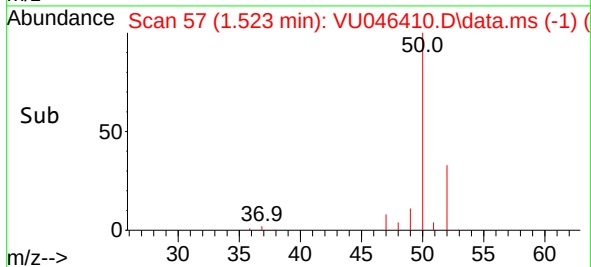
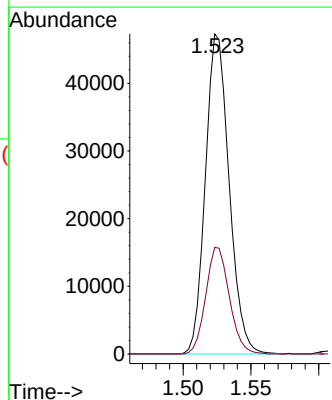
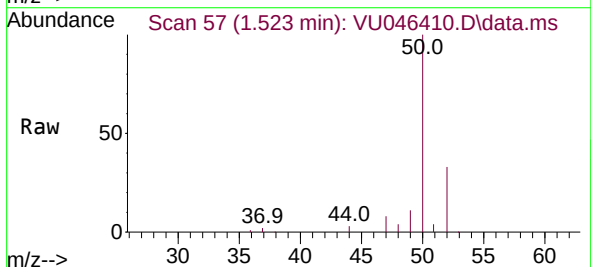
Instrument :
 MSVOA_U
 ClientSampleId :

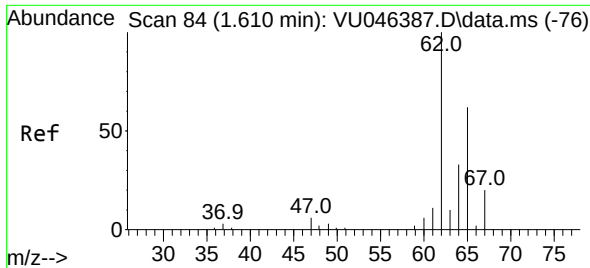
Tgt Ion: 85 Resp: 69939
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.7 38.5



#3
 Chloromethane
 Concen: 39.972 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. -0.003 min
 Lab File: VU046410.D
 Acq: 16 Dec 2021 10:33

Tgt Ion: 50 Resp: 57563
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.2 43.2

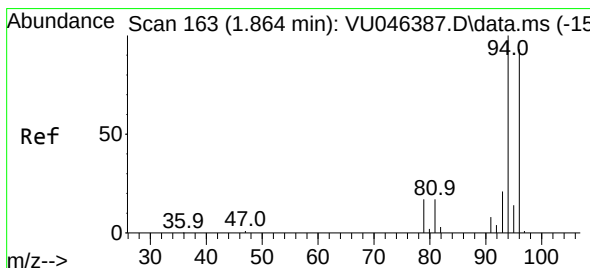
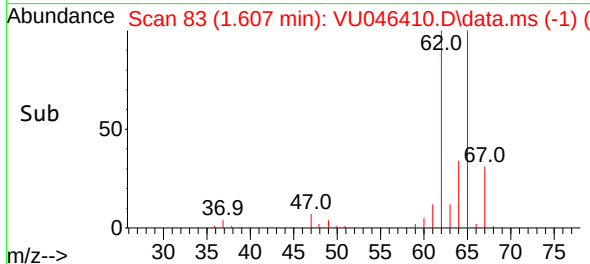
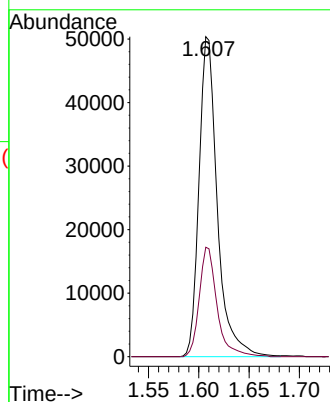
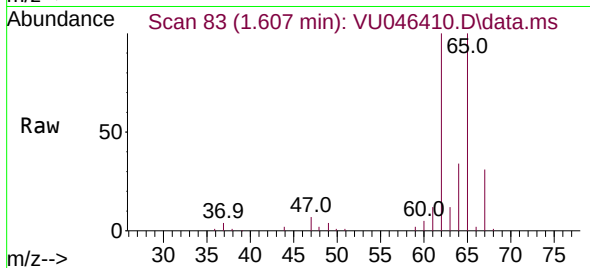




#5
 Vinyl chloride
 Concen: 43.846 ug/L
 RT: 1.607 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VU046410.D
 Acq: 16 Dec 2021 10:33

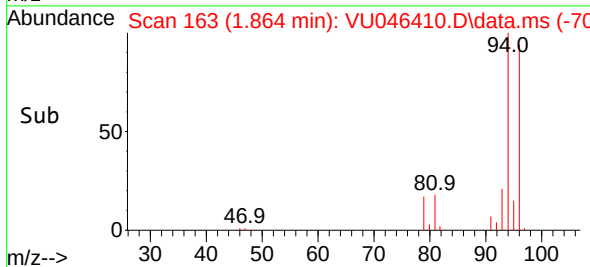
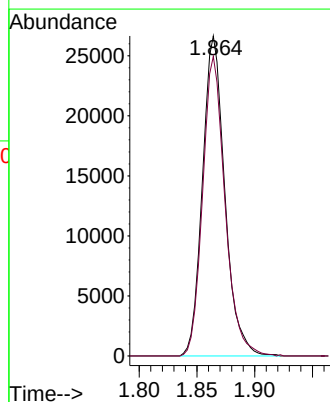
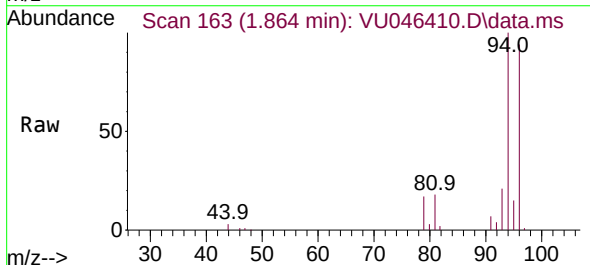
Instrument :
 MSVOA_U
 ClientSampleId :

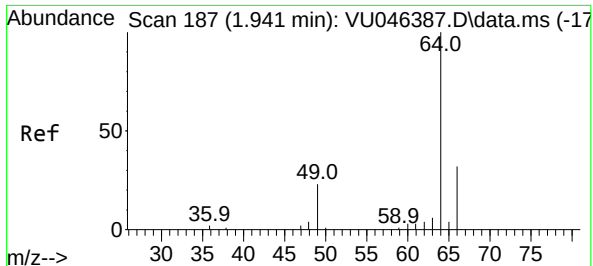
Tgt Ion: 62 Resp: 63666
 Ion Ratio Lower Upper
 62 100
 64 34.2 22.9 42.5



#6
 Bromomethane
 Concen: 43.525 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU046410.D
 Acq: 16 Dec 2021 10:33

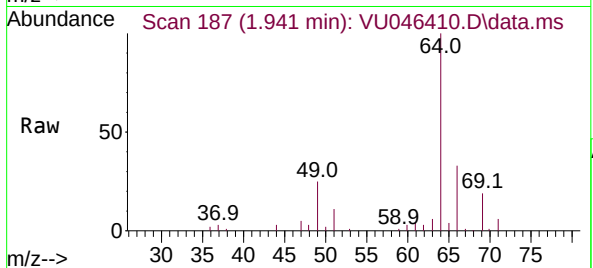
Tgt Ion: 94 Resp: 35821
 Ion Ratio Lower Upper
 94 100
 96 93.6 67.4 125.2



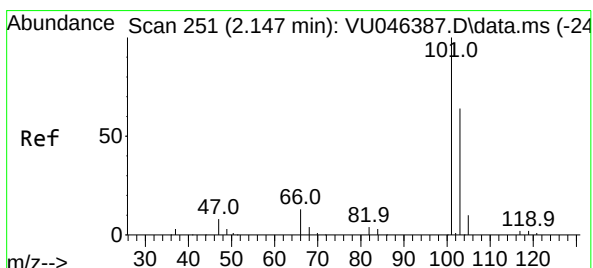
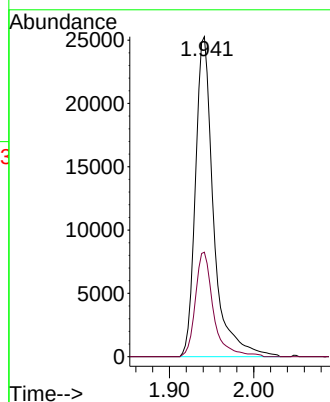
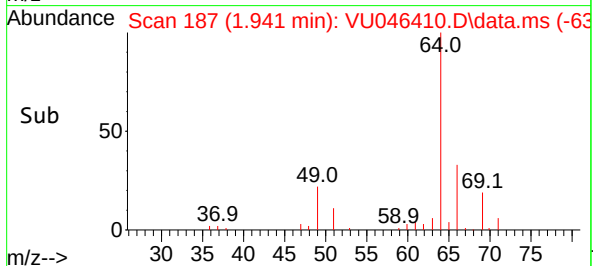


#8
Chloroethane
Concen: 45.008 ug/L
RT: 1.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Instrument :
MSVOA_U
ClientSampleId :

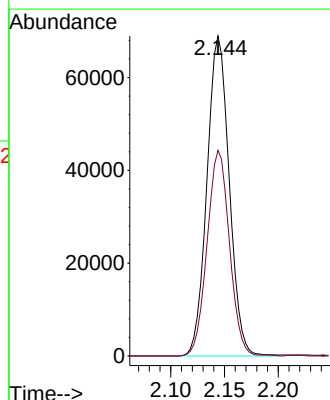
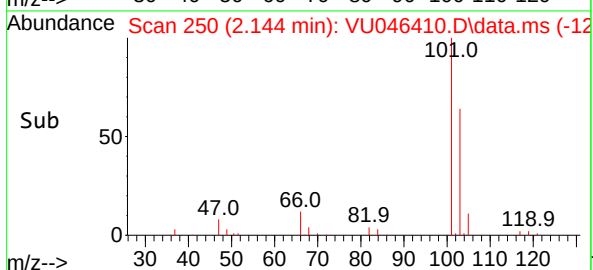
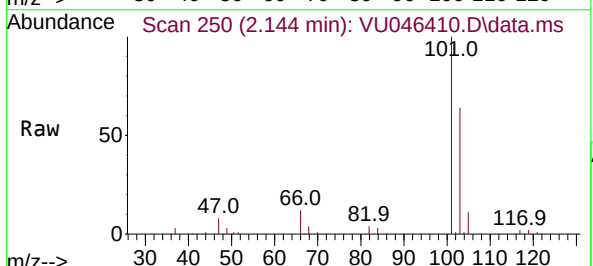


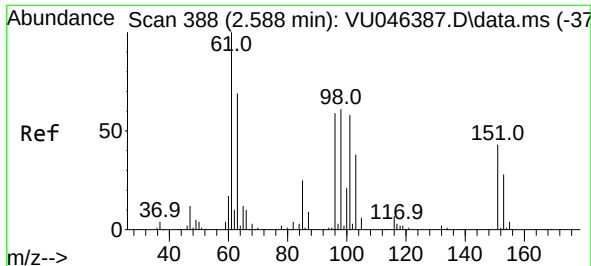
Tgt Ion: 64 Resp: 37839
Ion Ratio Lower Upper
64 100
66 32.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 52.436 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.003 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion:101 Resp: 99403
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.6

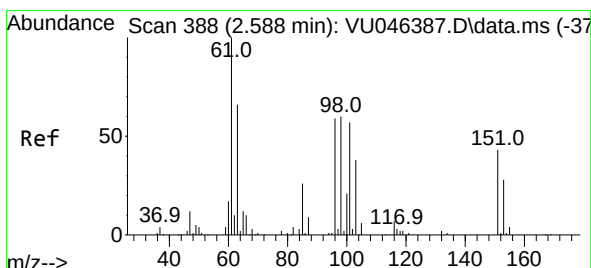
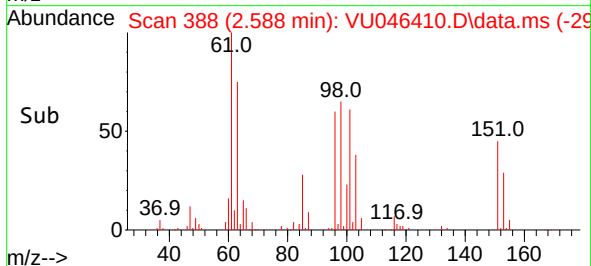
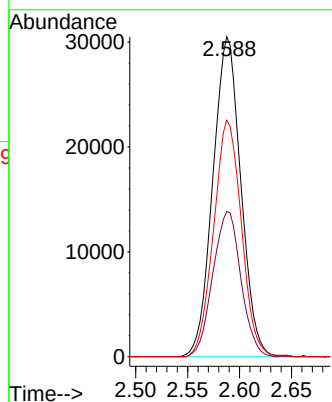
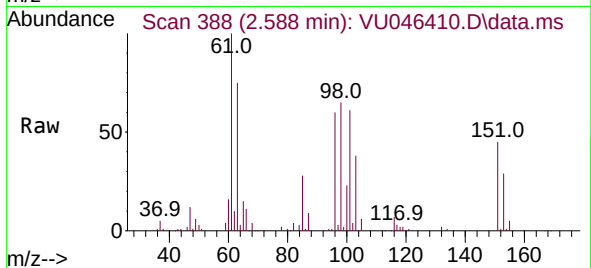




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 52.944 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046410.D
 Acq: 16 Dec 2021 10:33

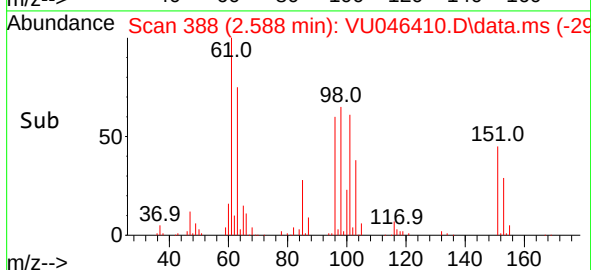
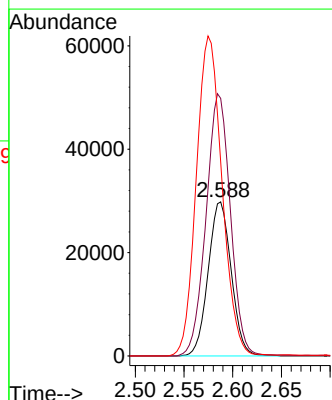
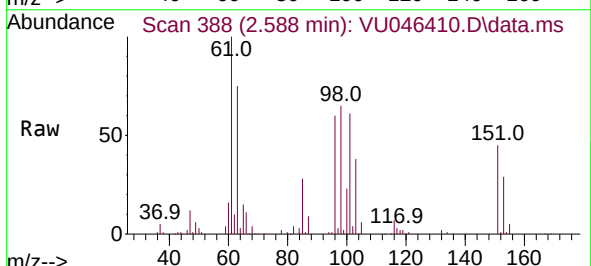
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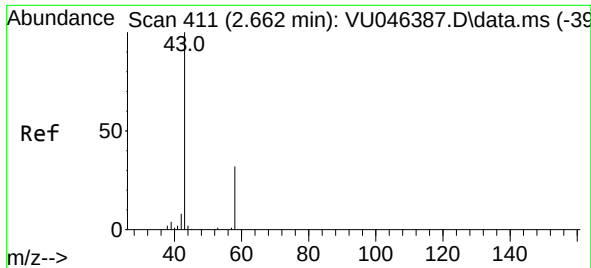
Tgt Ion:101 Resp: 57010
 Ion Ratio Lower Upper
 101 100
 85 45.6 35.1 52.7
 151 73.4 56.7 85.1



#12
 1,1-Dichloroethene
 Concen: 47.860 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046410.D
 Acq: 16 Dec 2021 10:33

Tgt Ion: 96 Resp: 48972
 Ion Ratio Lower Upper
 96 100
 61 167.3 118.6 220.2
 63 126.1 93.0 172.8





#13

Acetone

Concen: 79.451 ug/L

RT: 2.649 min Scan# 407

Delta R.T. -0.013 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

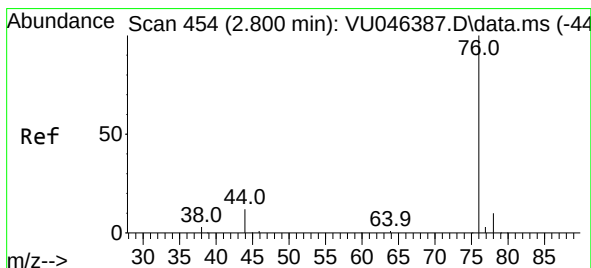
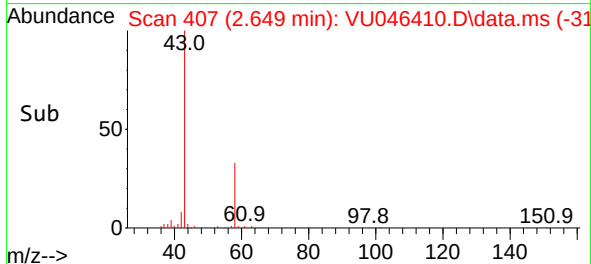
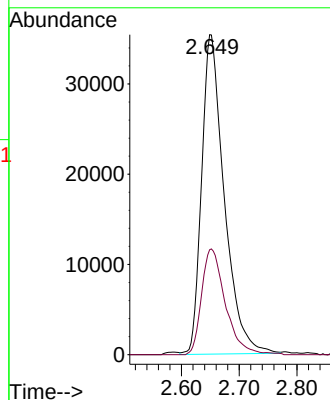
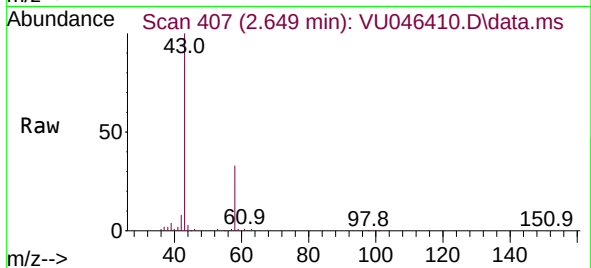
ClientSampleId :

Tgt Ion: 43 Resp: 96224

Ion Ratio Lower Upper

43 100

58 34.5 0.0 66.8



#14

Carbon disulfide

Concen: 33.283 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU046410.D

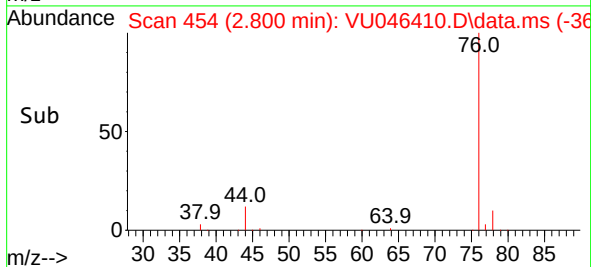
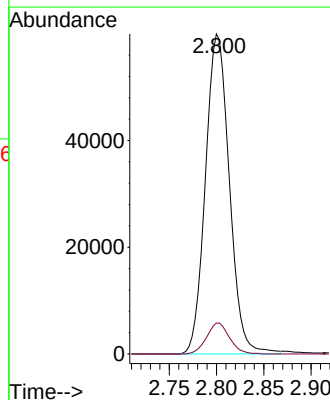
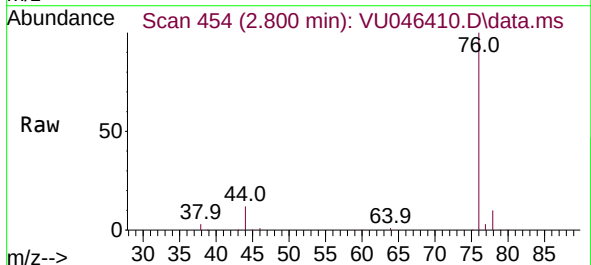
Acq: 16 Dec 2021 10:33

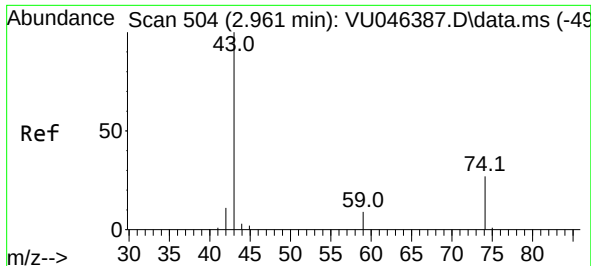
Tgt Ion: 76 Resp: 105660

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

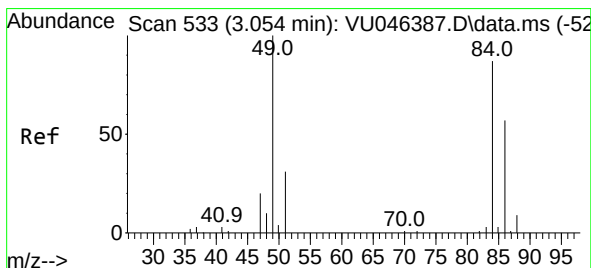
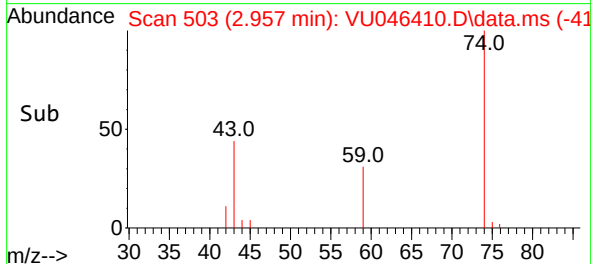
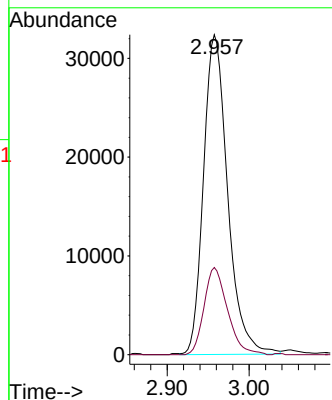
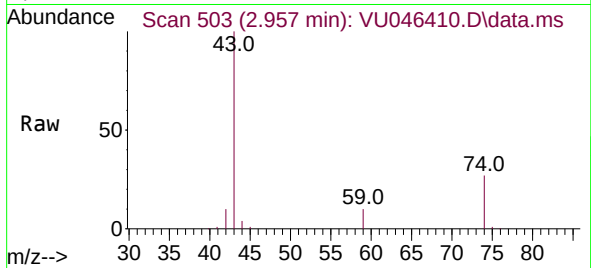




#15
Methyl Acetate
Concen: 46.988 ug/L
RT: 2.957 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

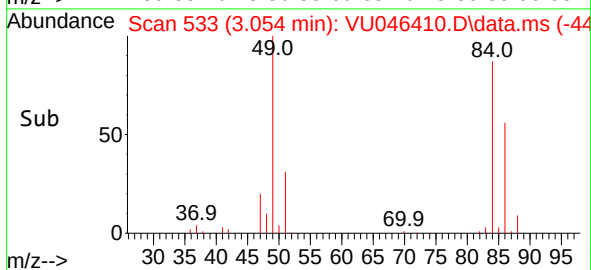
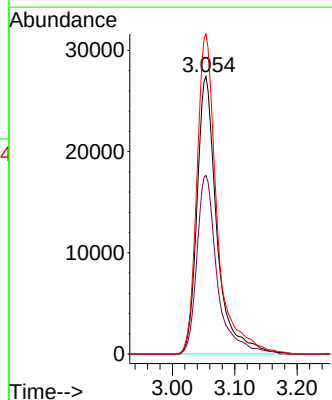
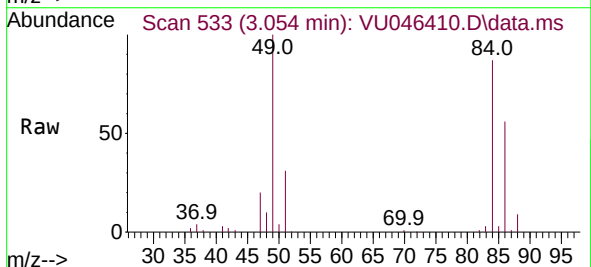
Instrument :
MSVOA_U
ClientSampleId :

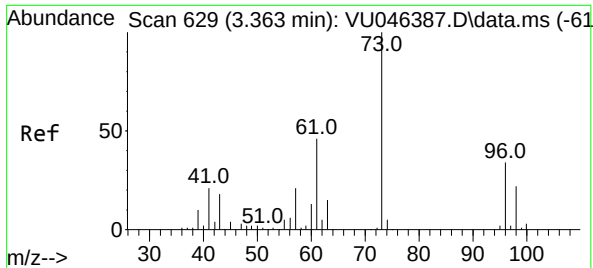
Tgt Ion: 43 Resp: 66339
Ion Ratio Lower Upper
43 100
74 26.4 20.8 31.2



#16
Methylene chloride
Concen: 49.977 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion: 84 Resp: 60842
Ion Ratio Lower Upper
84 100
86 64.4 44.7 83.1
49 115.3 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 47.399 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

ClientSampleId :

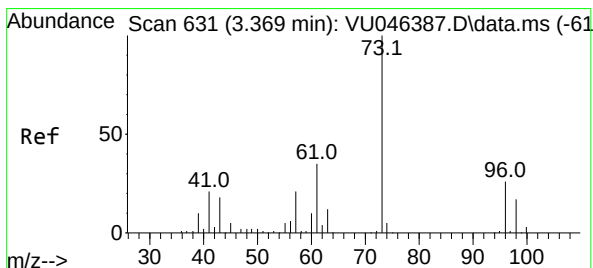
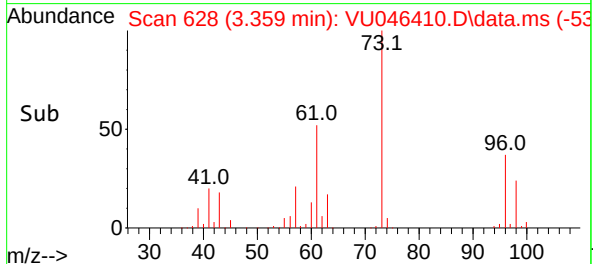
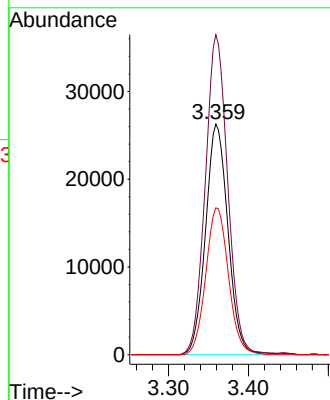
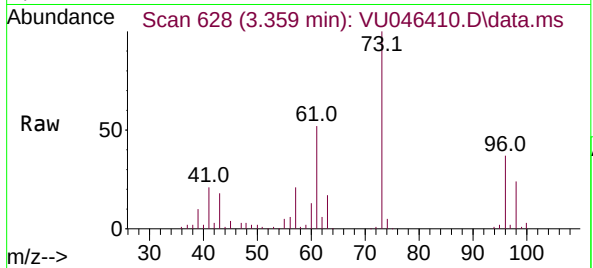
Tgt Ion: 96 Resp: 51326

Ion Ratio Lower Upper

96 100

61 138.8 94.6 175.6

98 63.7 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 56.445 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

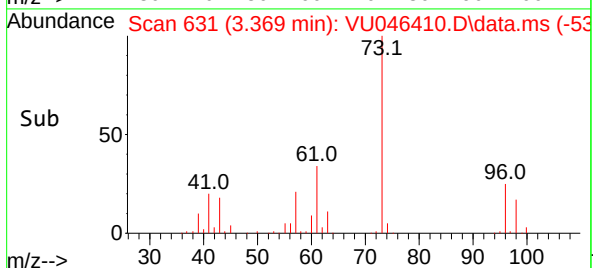
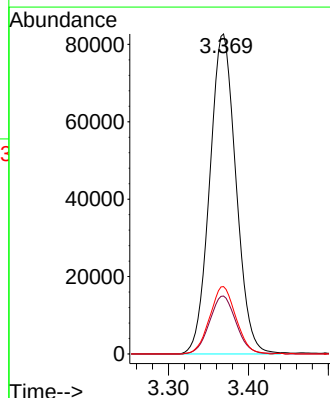
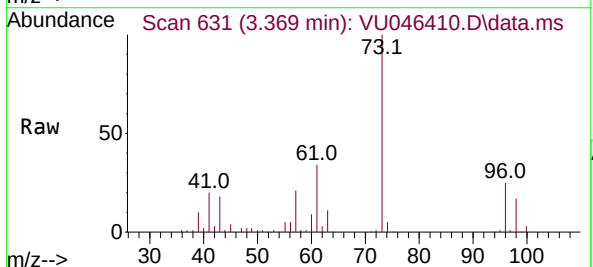
Tgt Ion: 73 Resp: 188364

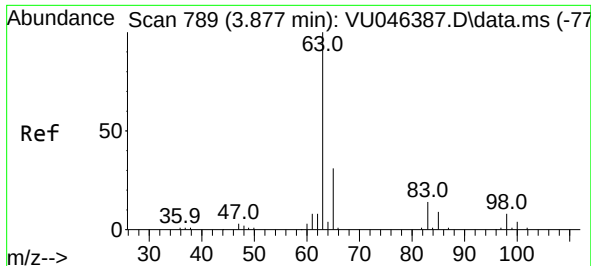
Ion Ratio Lower Upper

73 100

43 18.3 14.0 21.0

57 21.0 17.0 25.4





#19

1,1-Dichloroethane

Concen: 55.382 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

ClientSampleId :

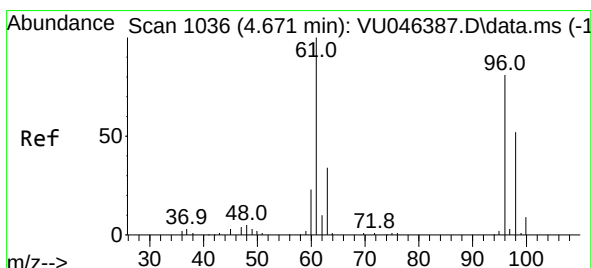
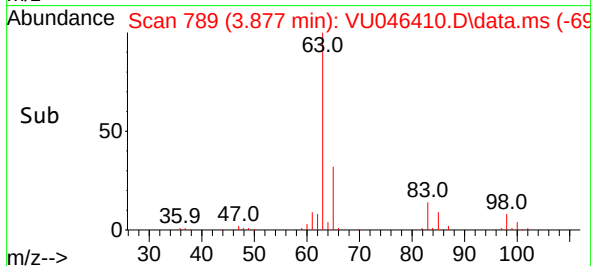
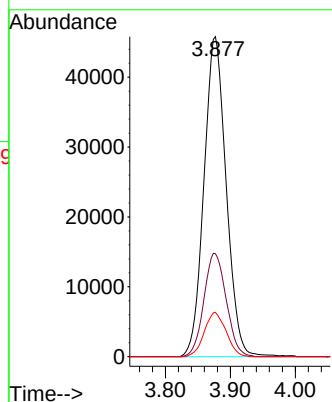
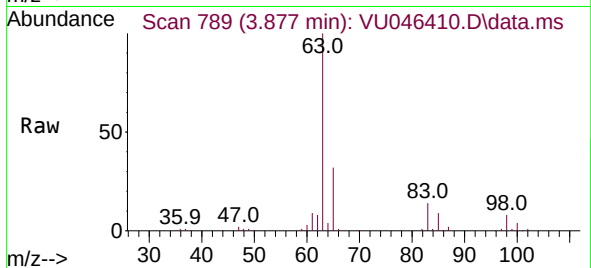
Tgt Ion: 63 Resp: 109038

Ion Ratio Lower Upper

63 100

65 32.2 22.8 42.4

83 13.8 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 53.524 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

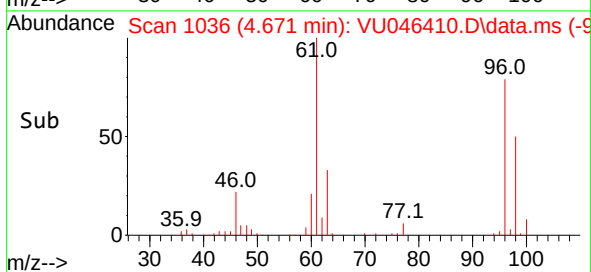
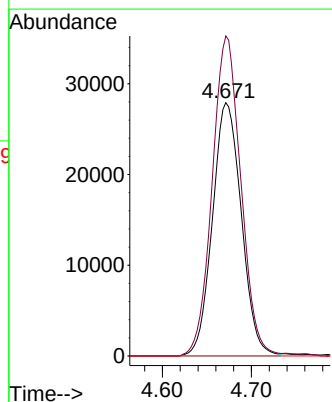
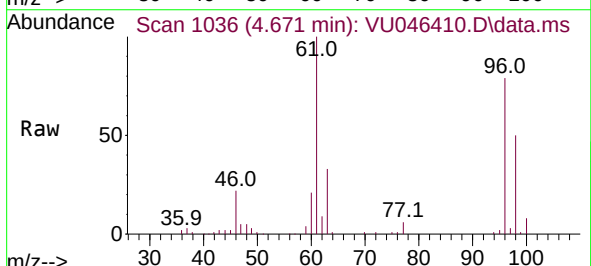
Tgt Ion: 96 Resp: 62888

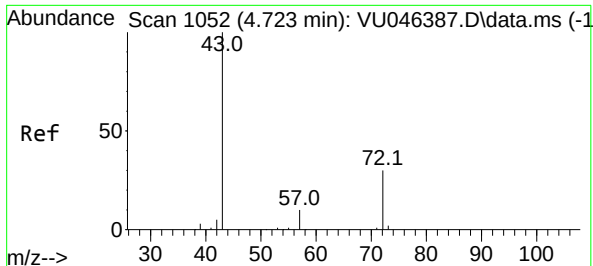
Ion Ratio Lower Upper

96 100

61 126.3 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 86.495 ug/L

RT: 4.716 min Scan# 11050

Delta R.T. -0.007 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

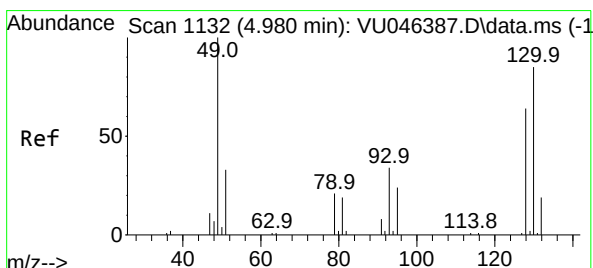
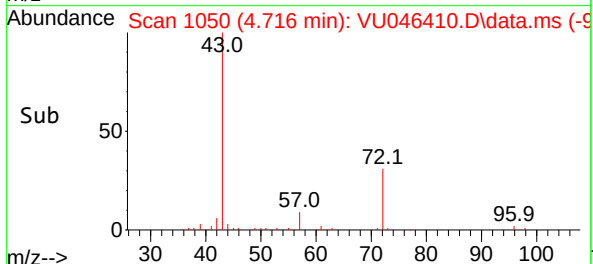
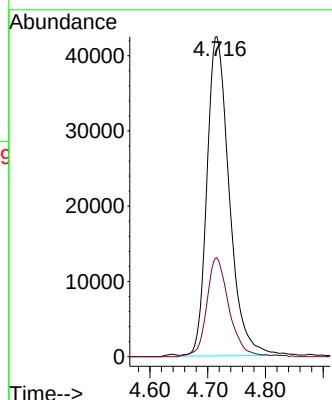
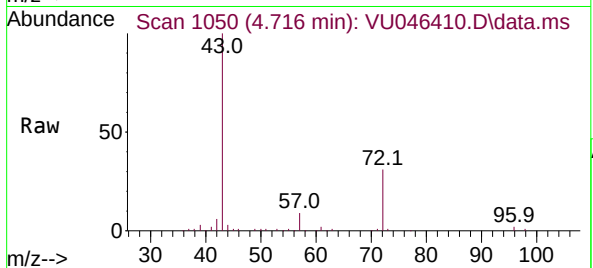
ClientSampleId :

Tgt Ion: 43 Resp: 114036

Ion Ratio Lower Upper

43 100

72 30.7 14.5 43.6



#23

Bromochloromethane

Concen: 54.653 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Tgt Ion:128 Resp: 32432

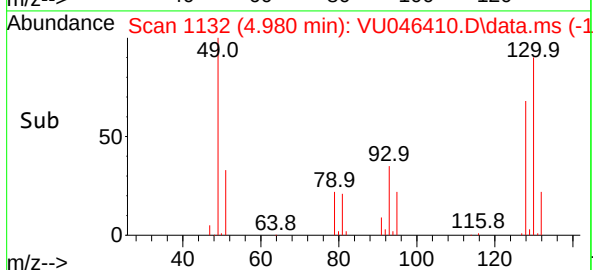
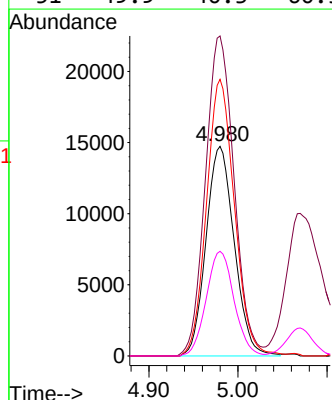
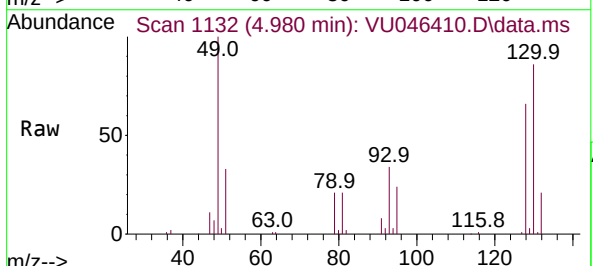
Ion Ratio Lower Upper

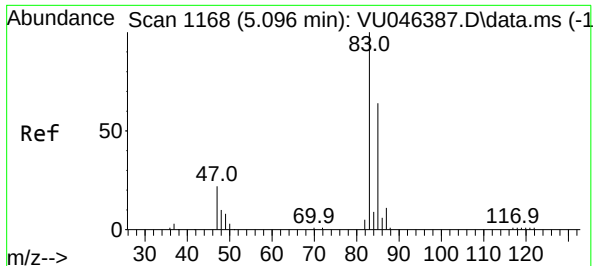
128 100

49 152.6 115.9 215.3

130 131.9 91.8 170.4

51 49.9 40.3 60.5





#25

Chloroform

Concen: 54.915 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

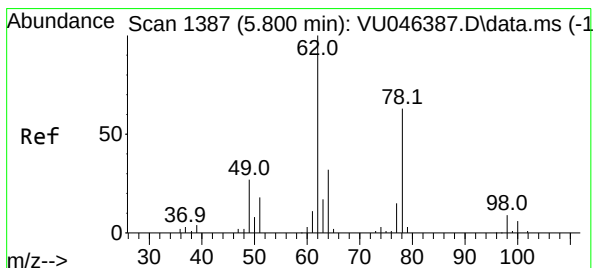
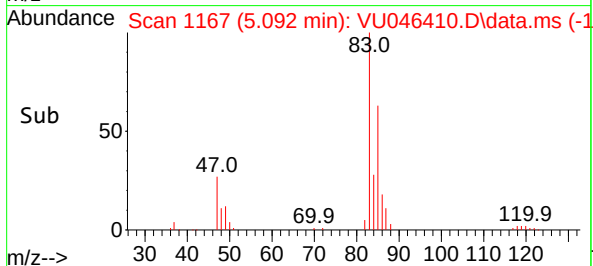
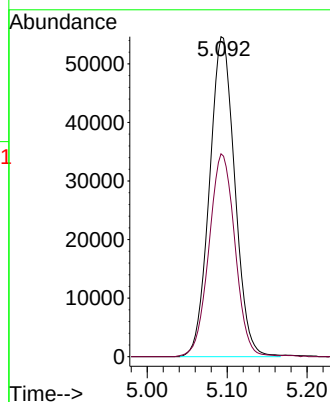
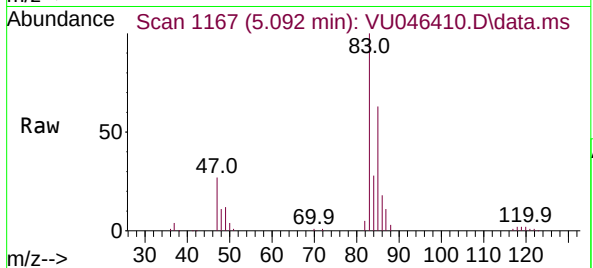
ClientSampleId :

Tgt Ion: 83 Resp: 120127

Ion Ratio Lower Upper

83 100

85 63.4 45.8 85.2



#27

1,2-Dichloroethane

Concen: 58.267 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VU046410.D

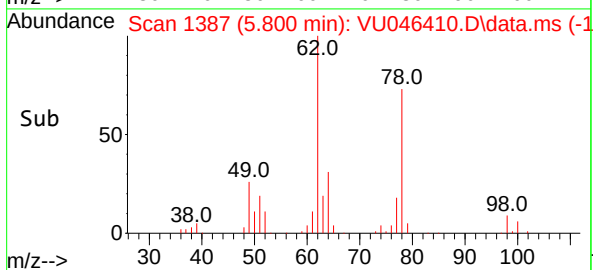
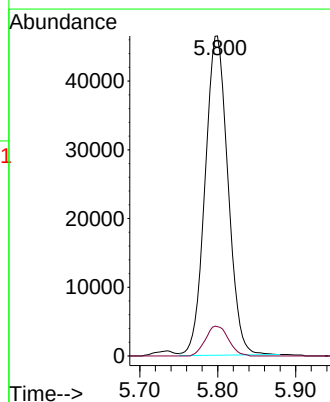
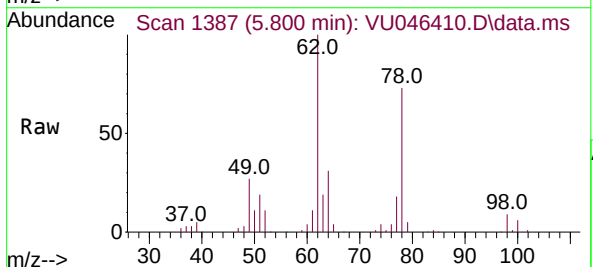
Acq: 16 Dec 2021 10:33

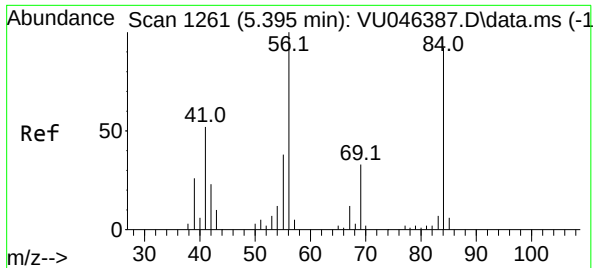
Tgt Ion: 62 Resp: 94584

Ion Ratio Lower Upper

62 100

98 9.2 7.9 11.9





#29

Cyclohexane

Concen: 42.901 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

ClientSampleId :

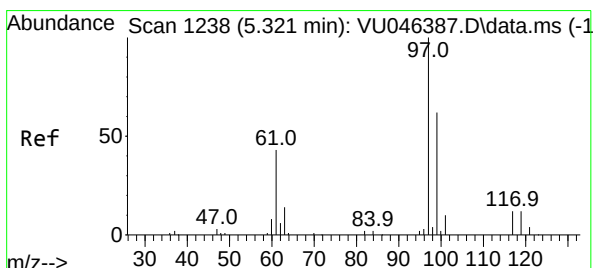
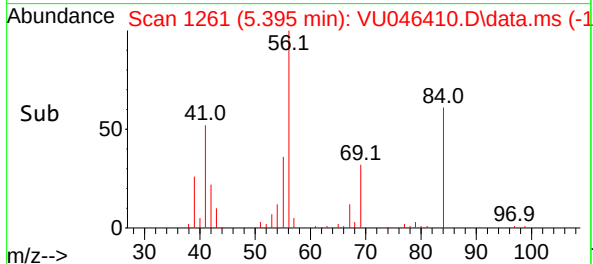
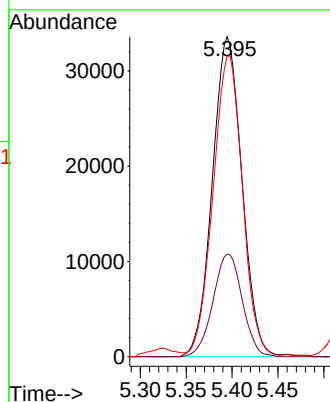
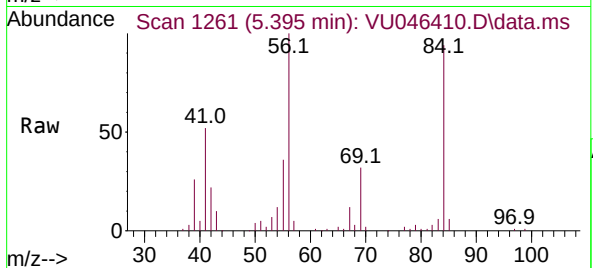
Tgt Ion: 56 Resp: 75271

Ion Ratio Lower Upper

56 100

69 31.7 25.2 37.8

84 93.8 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 55.763 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

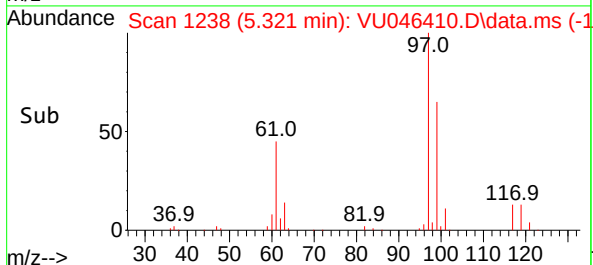
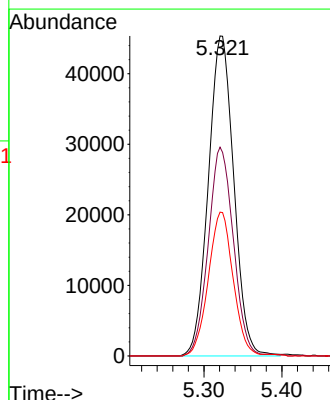
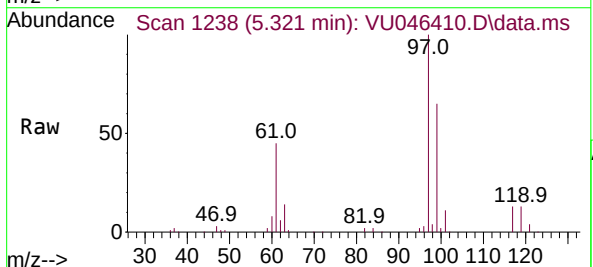
Tgt Ion: 97 Resp: 103136

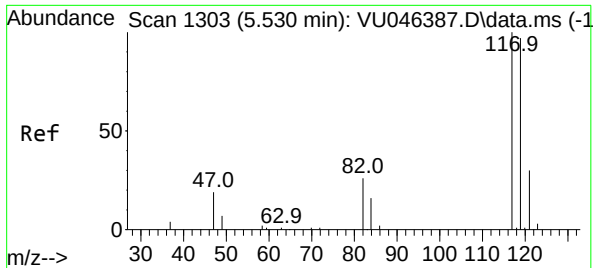
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 43.6 34.4 51.6

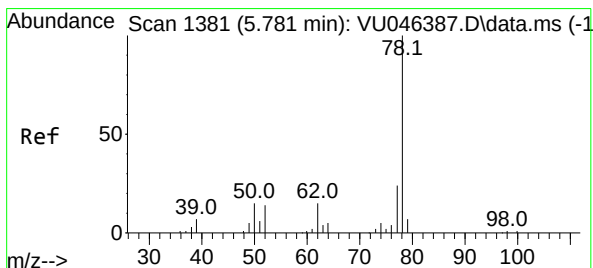
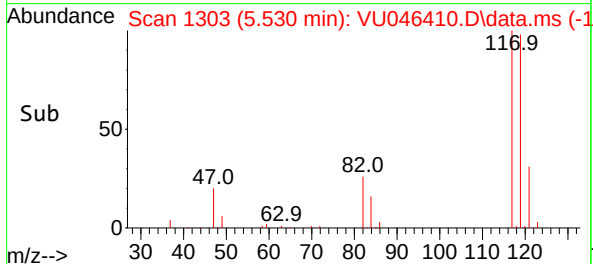
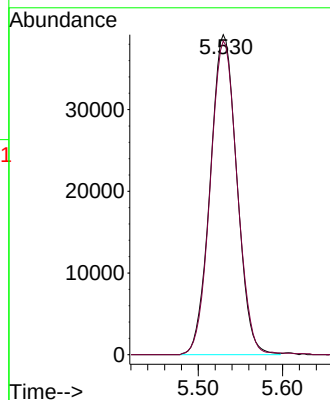
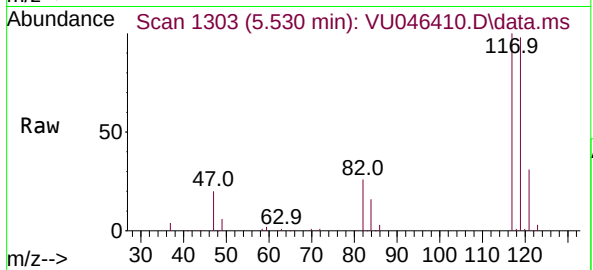




#31
Carbon tetrachloride
Concen: 54.760 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

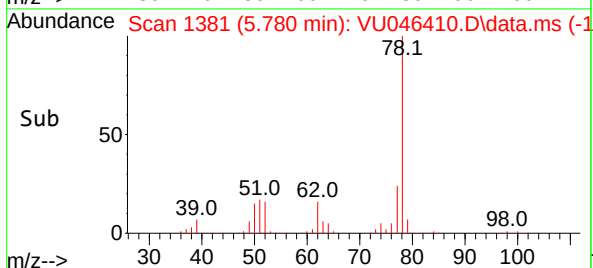
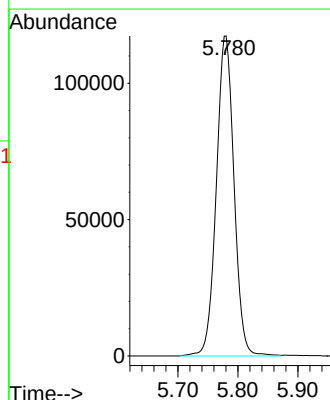
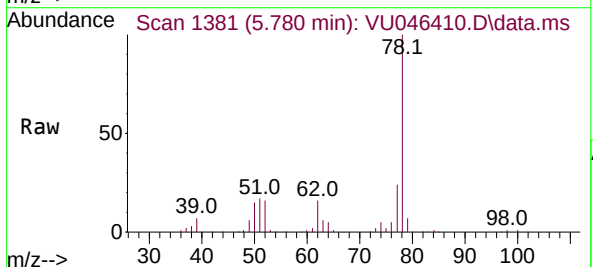
Instrument :
MSVOA_U
ClientSampleId :

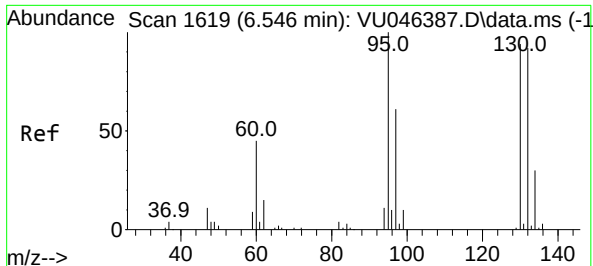
Tgt Ion:117 Resp: 85983
Ion Ratio Lower Upper
117 100
119 98.4 75.7 113.5



#33
Benzene
Concen: 52.526 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion: 78 Resp: 239537

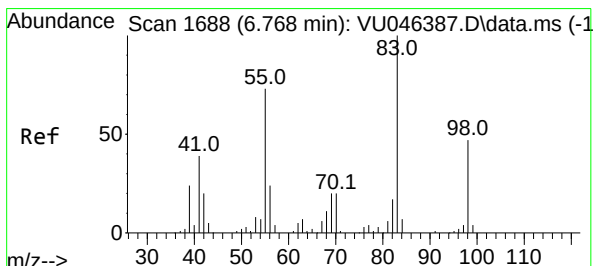
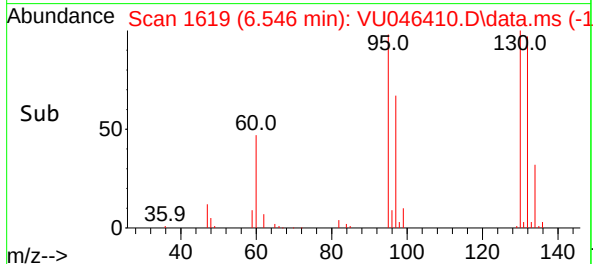
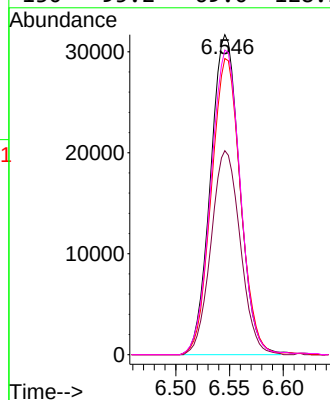
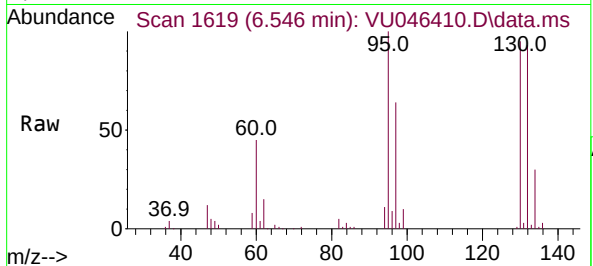




#34
Trichloroethene
Concen: 49.687 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

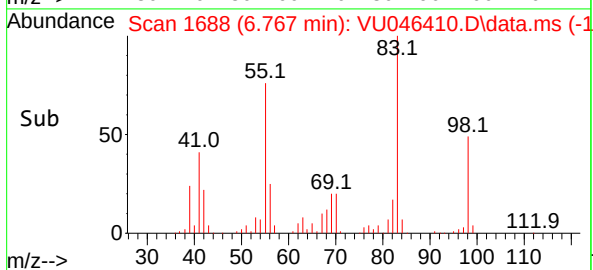
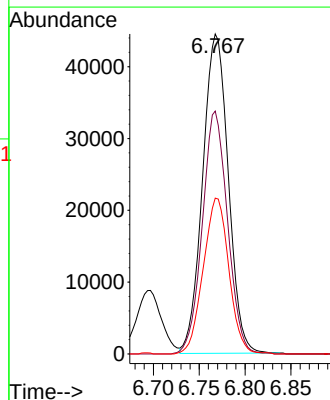
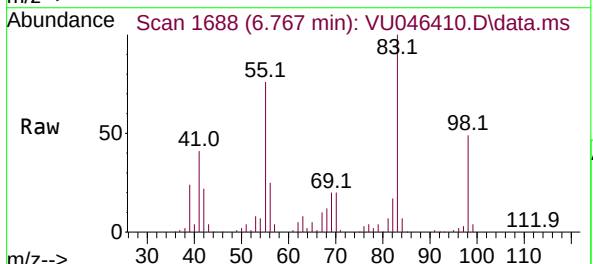
Instrument :
MSVOA_U
ClientSampleId :

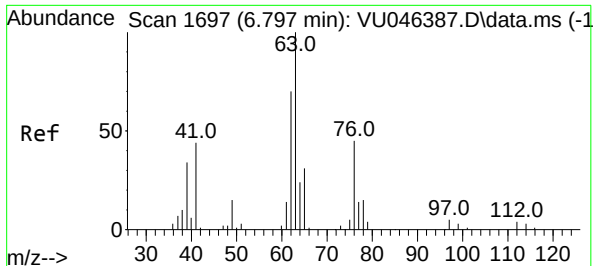
Tgt Ion: 95 Resp: 59693
Ion Ratio Lower Upper
95 100
97 63.8 44.1 81.9
132 92.6 66.8 124.0
130 95.2 69.0 128.1



#35
Methylcyclohexane
Concen: 46.442 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion: 83 Resp: 86513
Ion Ratio Lower Upper
83 100
55 74.8 57.8 86.6
98 48.7 38.4 57.6





#37

1,2-Dichloropropane

Concen: 55.971 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

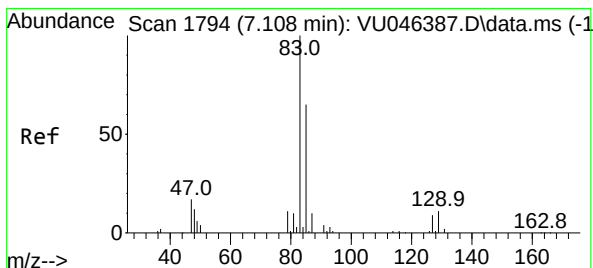
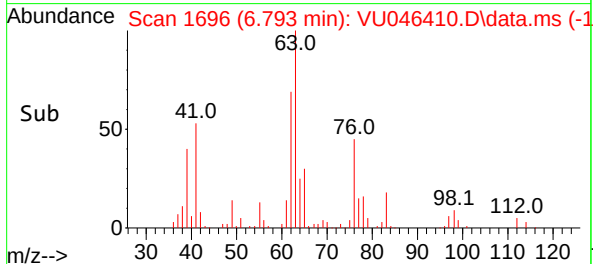
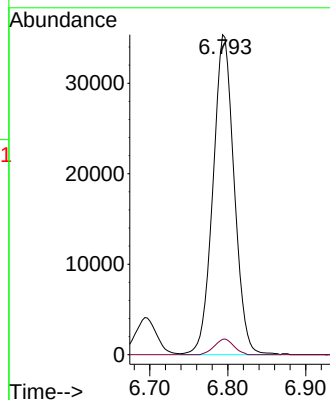
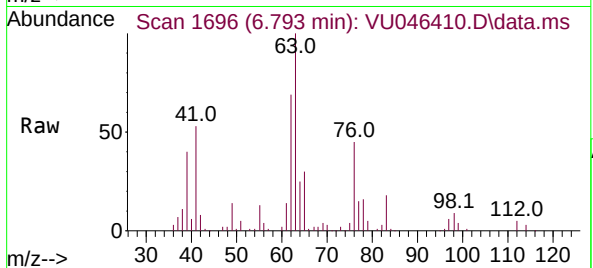
ClientSampleId :

Tgt Ion: 63 Resp: 66864

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 57.796 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

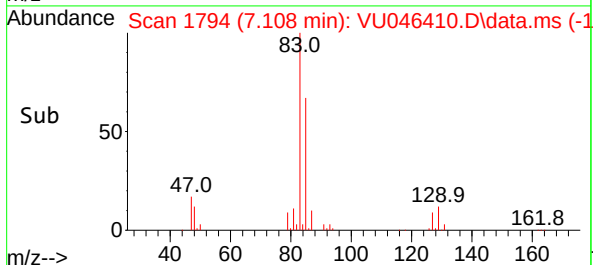
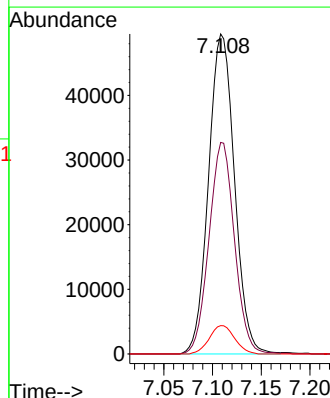
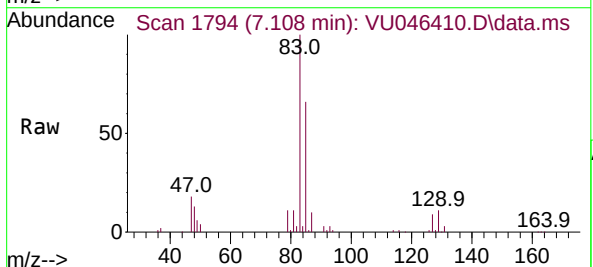
Tgt Ion: 83 Resp: 91771

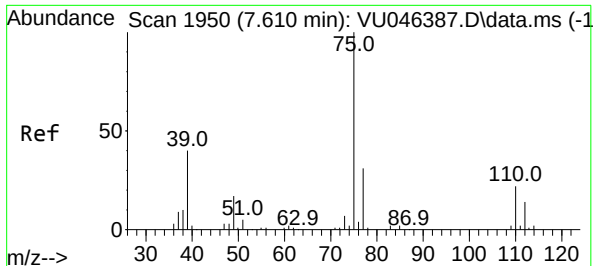
Ion Ratio Lower Upper

83 100

85 66.1 44.4 82.5

127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 53.600 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

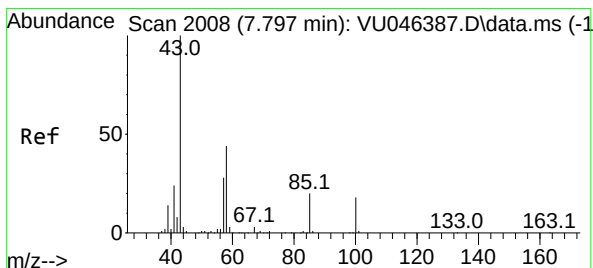
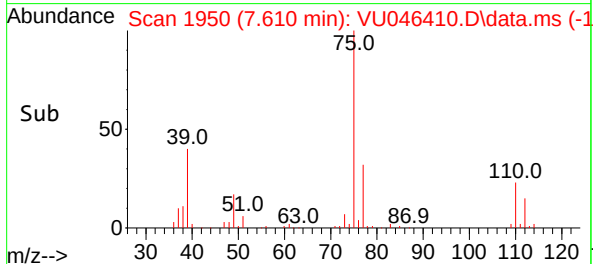
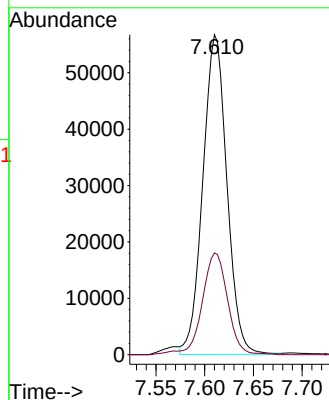
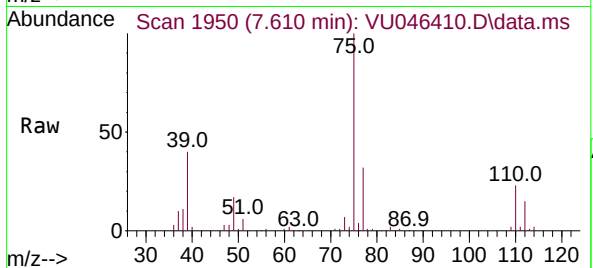
ClientSampleId :

Tgt Ion: 75 Resp: 97410

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 108.897 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

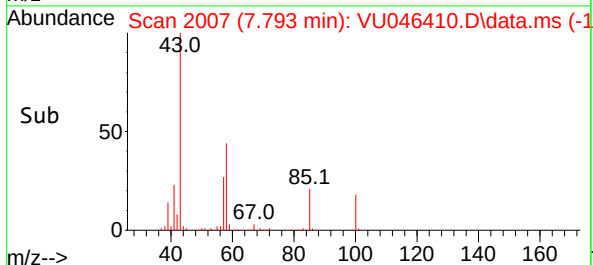
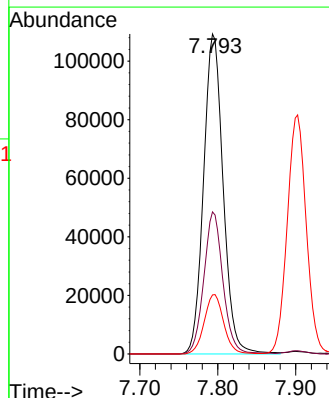
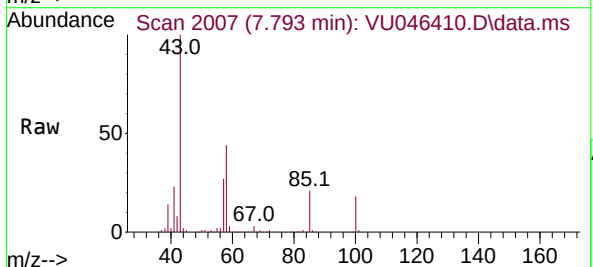
Tgt Ion: 43 Resp: 191134

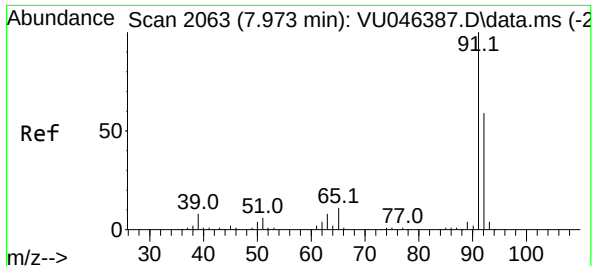
Ion Ratio Lower Upper

43 100

58 43.3 34.2 51.4

100 18.4 14.5 21.7





#42

Toluene

Concen: 52.763 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

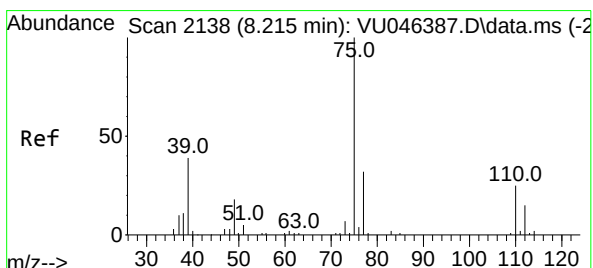
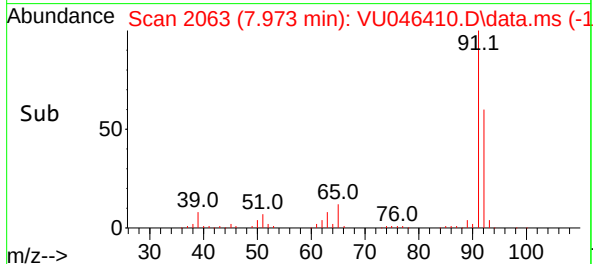
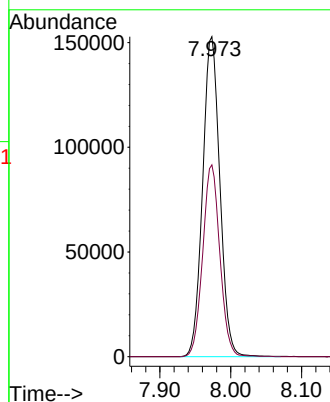
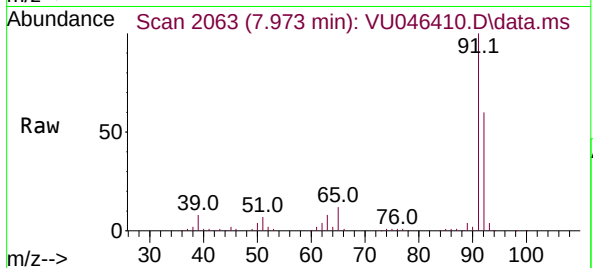
ClientSampleId :

Tgt Ion: 91 Resp: 258188

Ion Ratio Lower Upper

91 100

92 59.9 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 55.157 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU046410.D

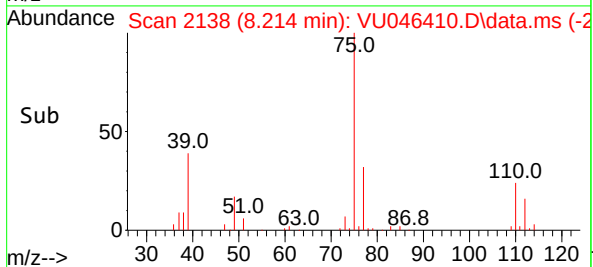
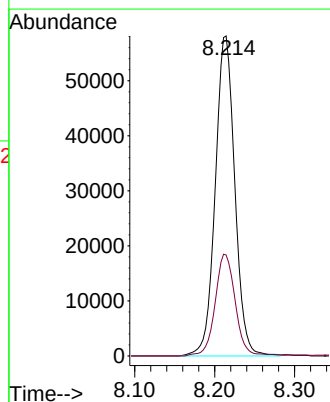
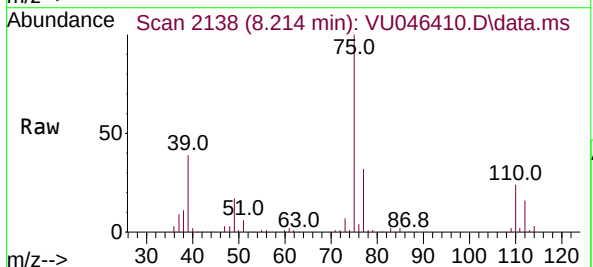
Acq: 16 Dec 2021 10:33

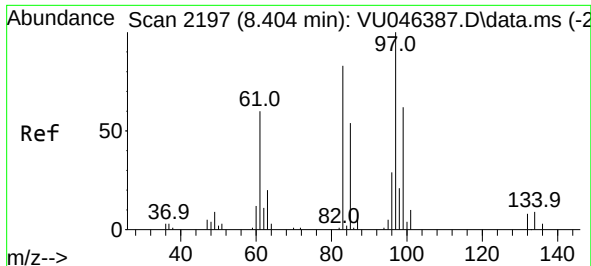
Tgt Ion: 75 Resp: 98452

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



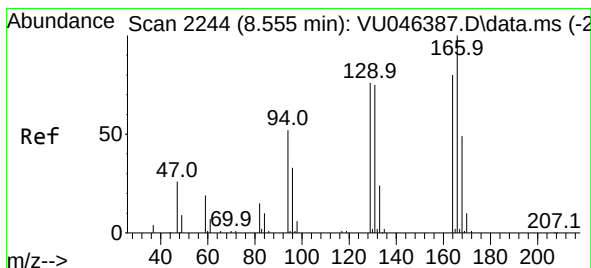
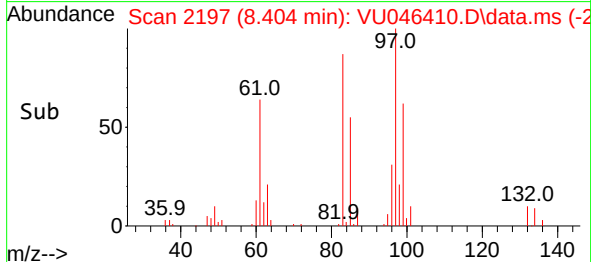
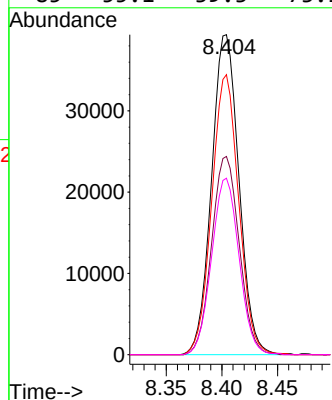
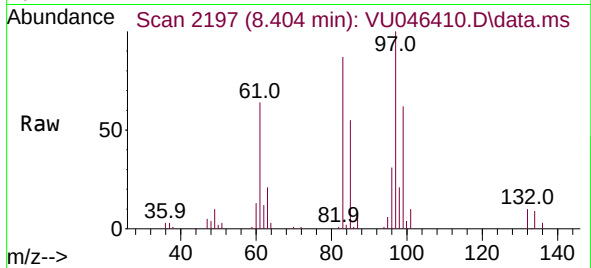


#45
1,1,2-Trichloroethane
Concen: 56.242 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 67407

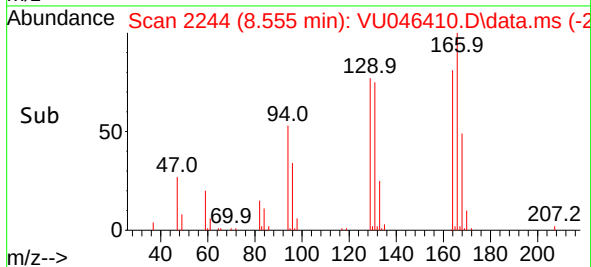
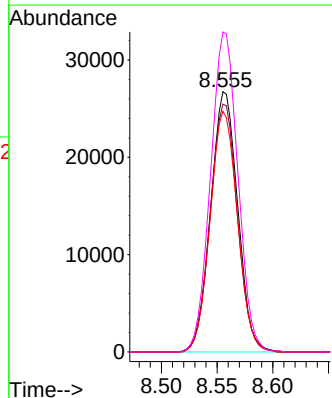
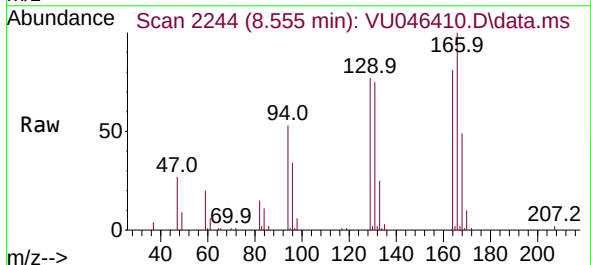
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.7	82.9
83	87.5	60.2	111.8
85	55.1	39.3	73.1

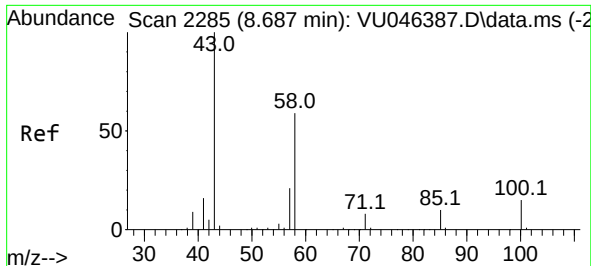


#46
Tetrachloroethene
Concen: 51.159 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion: 164 Resp: 45167

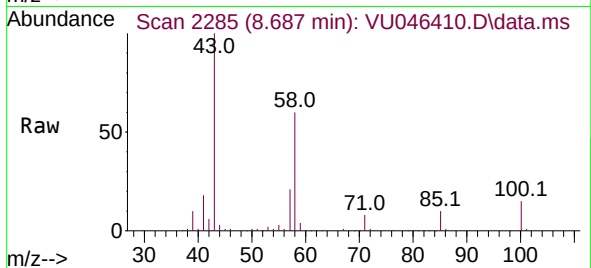
Ion	Ratio	Lower	Upper
164	100		
129	95.2	71.1	132.1
131	92.5	67.8	126.0
166	123.0	90.6	168.2



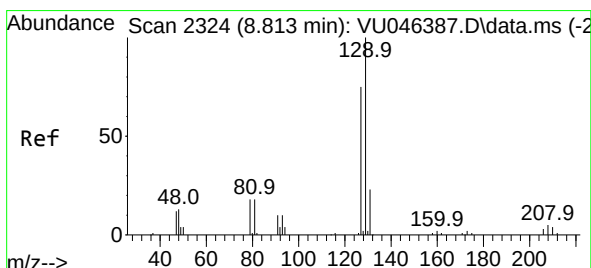
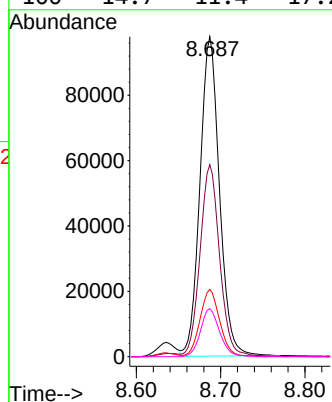
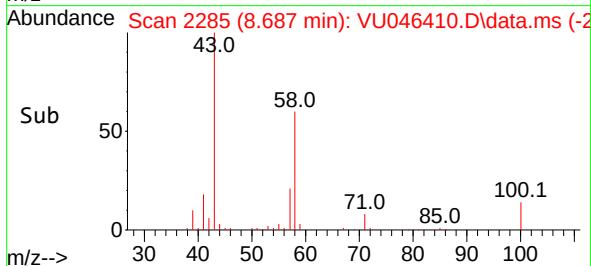


#48
2-Hexanone
Concen: 100.529 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Instrument :
MSVOA_U
ClientSampleId :

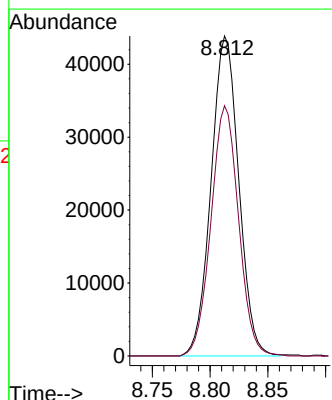
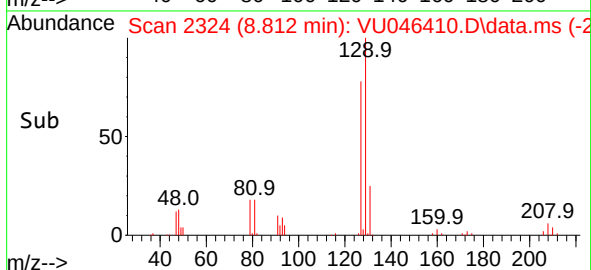
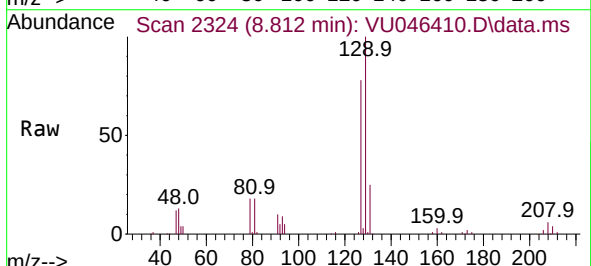


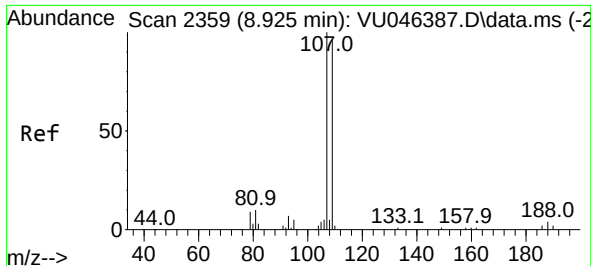
Tgt Ion: 43 Resp: 157801
Ion Ratio Lower Upper
43 100
58 59.8 47.4 71.2
57 21.4 16.6 25.0
100 14.7 11.4 17.2



#49
Dibromochloromethane
Concen: 58.067 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion: 129 Resp: 73081
Ion Ratio Lower Upper
129 100
127 78.2 55.6 103.4

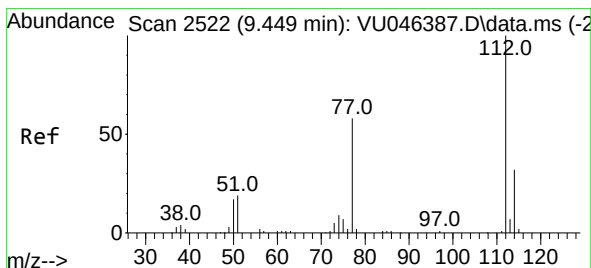
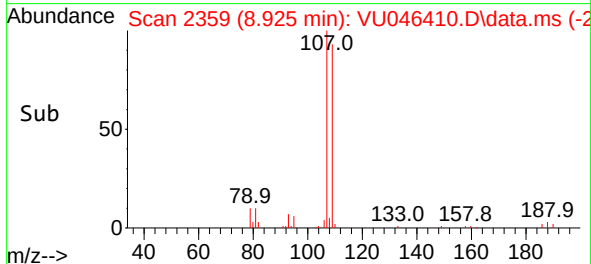
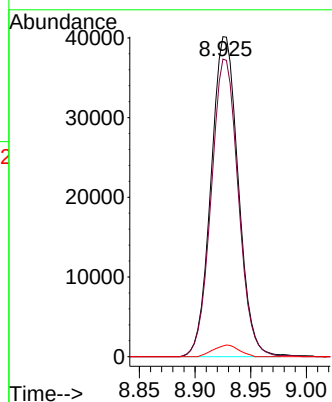
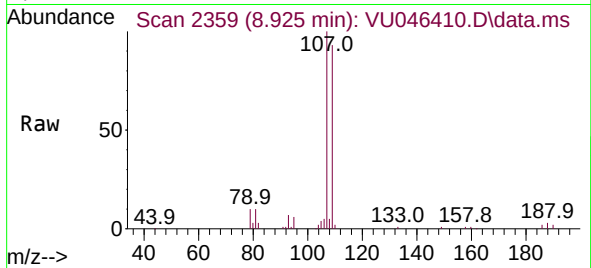




#50
1,2-Dibromoethane
Concen: 52.591 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

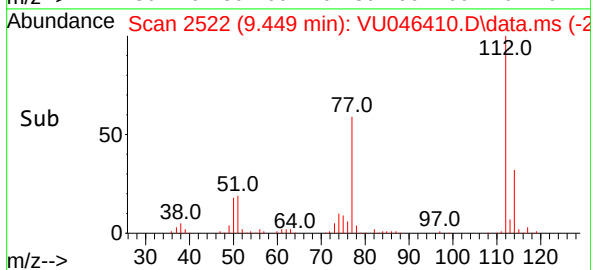
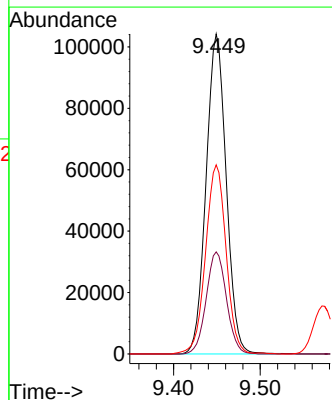
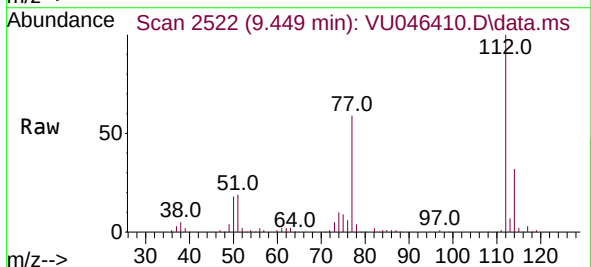
Instrument :
MSVOA_U
ClientSampleId :

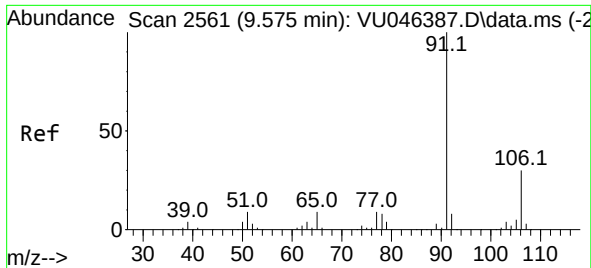
Tgt Ion:107 Resp: 68336
Ion Ratio Lower Upper
107 100
109 93.0 64.9 120.5
188 3.4 2.6 3.8



#51
Chlorobenzene
Concen: 53.091 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion:112 Resp: 168076
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 59.1 47.4 71.0

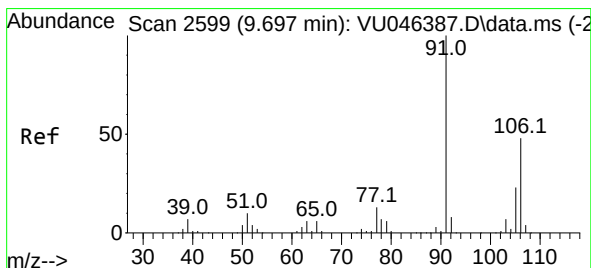
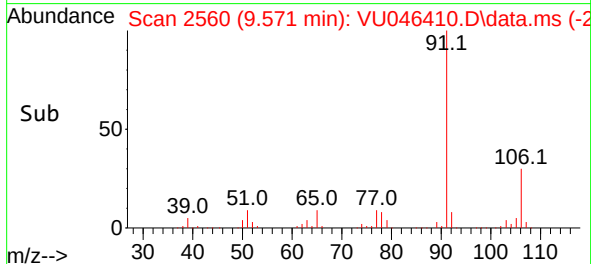
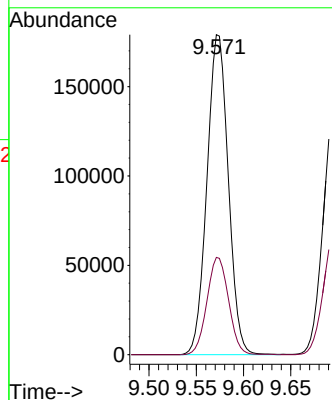
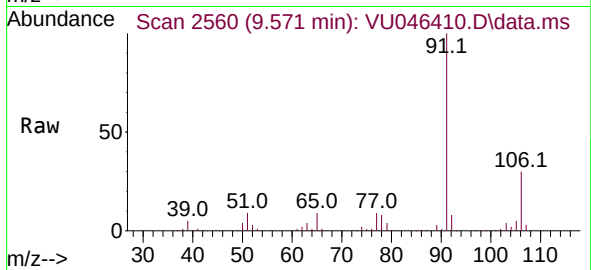




#52
Ethylbenzene
Concen: 53.362 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

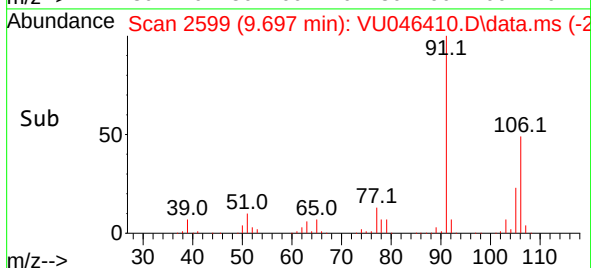
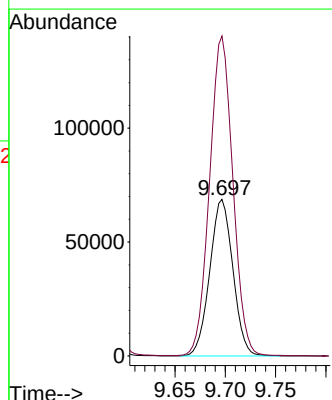
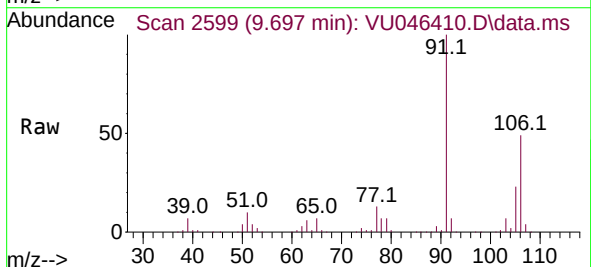
Instrument :
MSVOA_U
ClientSampleId :

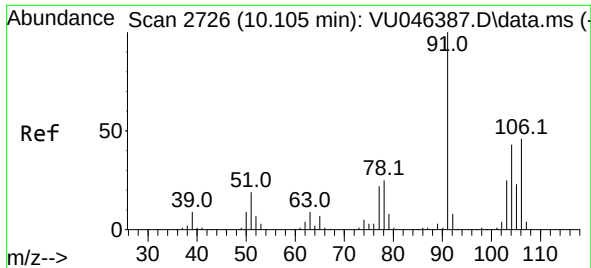
Tgt Ion: 91 Resp: 281021
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 53.585 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion:106 Resp: 110053
Ion Ratio Lower Upper
106 100
91 204.3 144.3 268.1

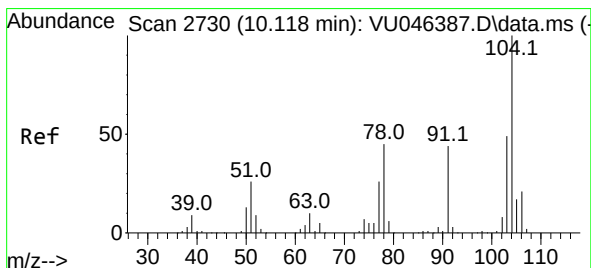
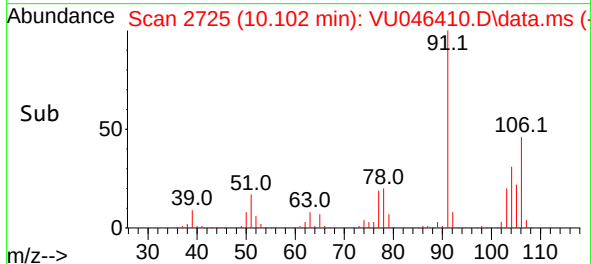
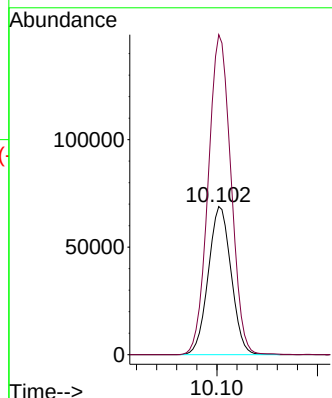
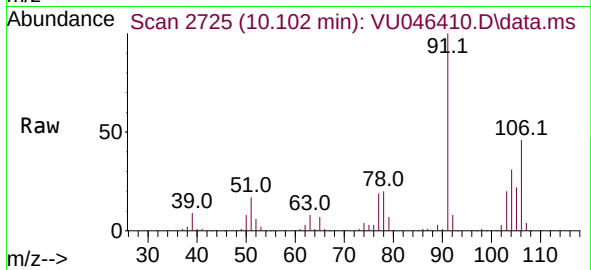




#54
o-xylene
Concen: 54.544 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

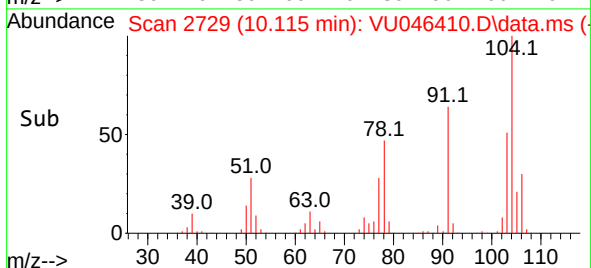
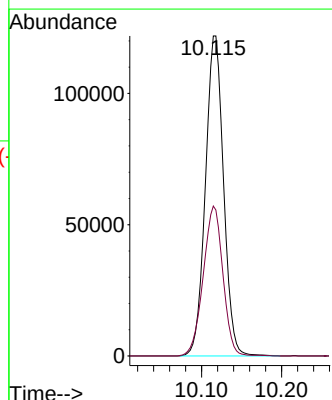
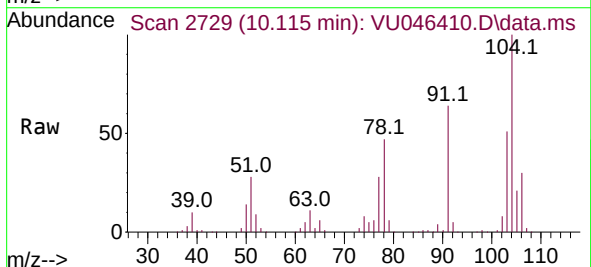
Instrument :
MSVOA_U
ClientSampleId :

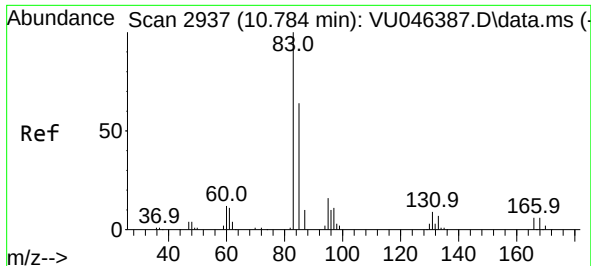
Tgt Ion:106 Resp: 108699
Ion Ratio Lower Upper
106 100
91 216.1 154.2 286.4



#55
Styrene
Concen: 56.675 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion:104 Resp: 192830
Ion Ratio Lower Upper
104 100
78 46.9 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 56.985 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

ClientSampleId :

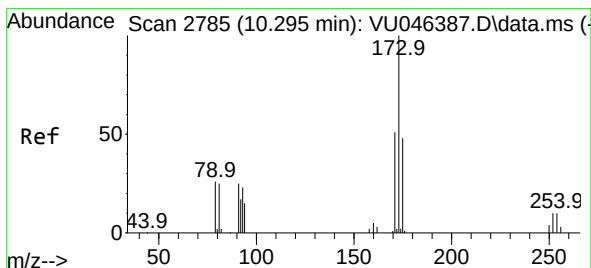
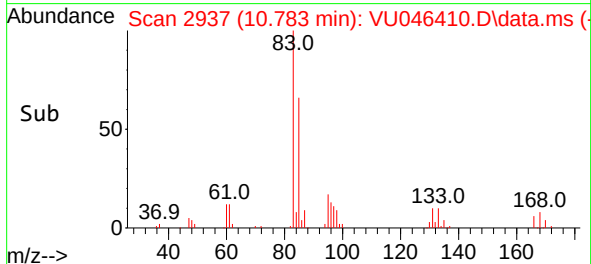
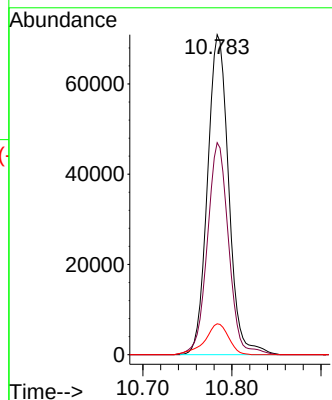
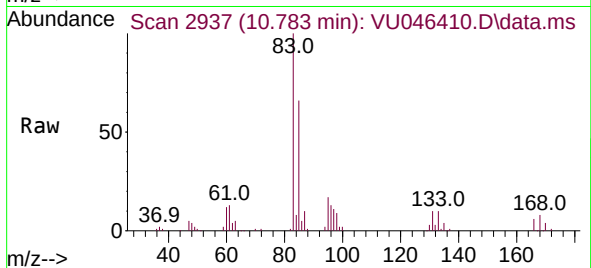
Tgt Ion: 83 Resp: 117091

Ion Ratio Lower Upper

83 100

85 66.3 45.6 84.6

131 9.7 7.8 11.6



#59

Bromoform

Concen: 55.516 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

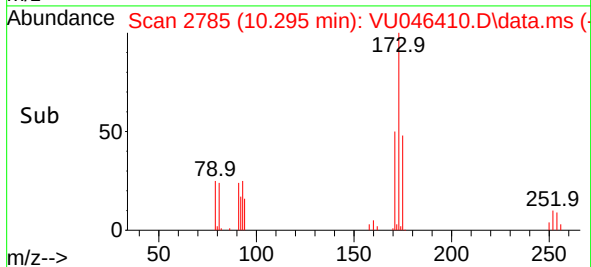
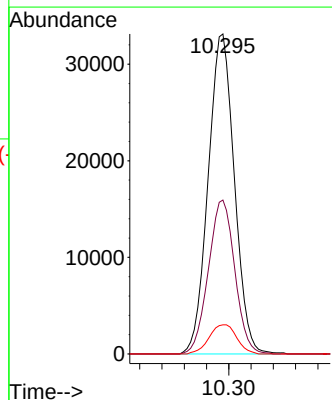
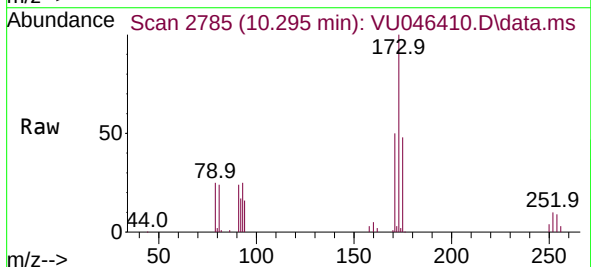
Tgt Ion:173 Resp: 54157

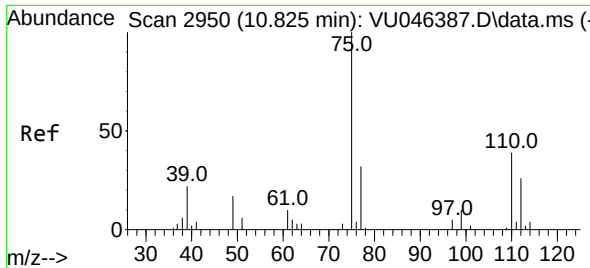
Ion Ratio Lower Upper

173 100

175 48.4 39.2 58.8

254 9.6 7.4 11.2

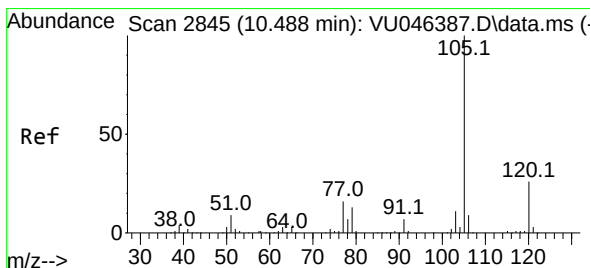
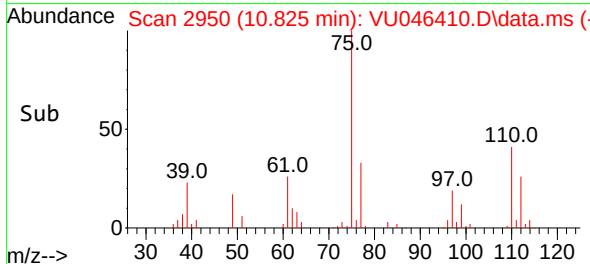
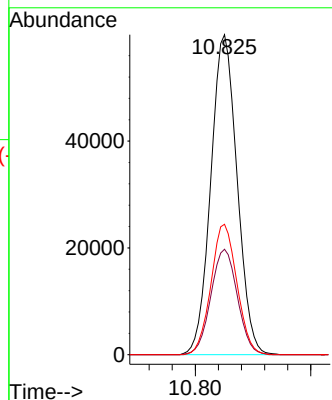
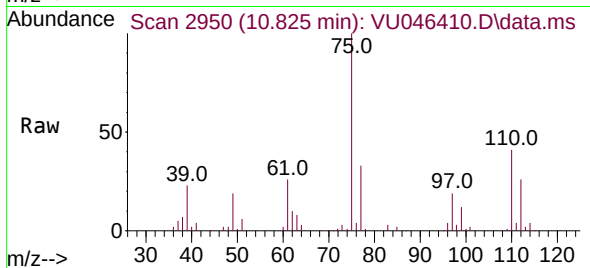




#60
1,2,3-Trichloropropane
Concen: 52.015 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

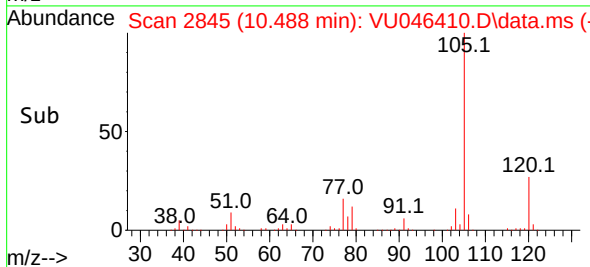
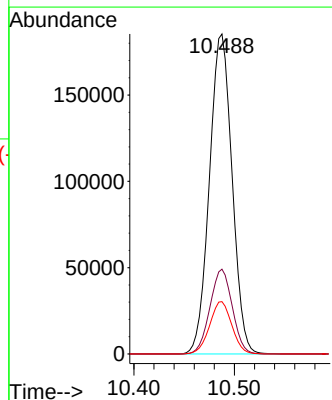
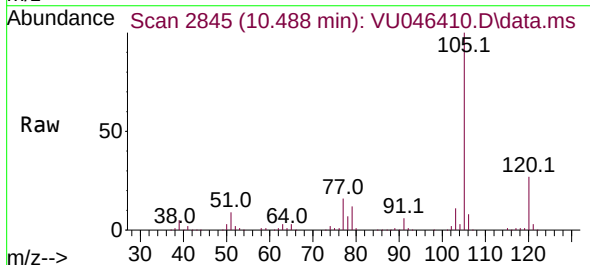
Instrument :
MSVOA_U
ClientSampleId :

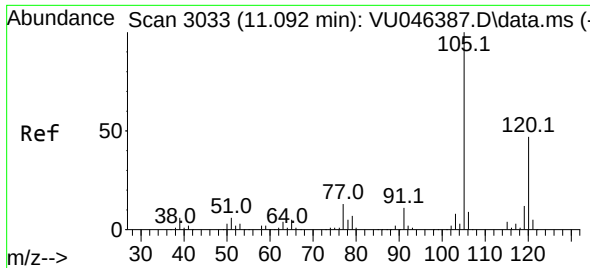
Tgt Ion: 75 Resp: 94816
Ion Ratio Lower Upper
75 100
77 33.3 26.4 39.6
110 40.1 32.4 48.6



#61
Isopropylbenzene
Concen: 53.629 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion: 105 Resp: 290161
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 16.1 12.2 18.4

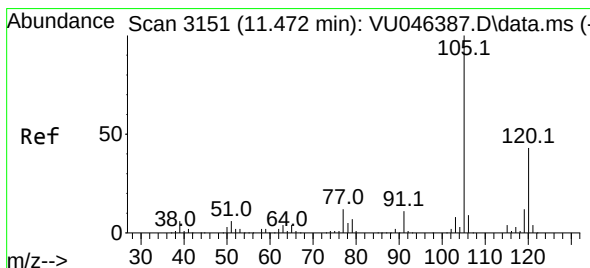
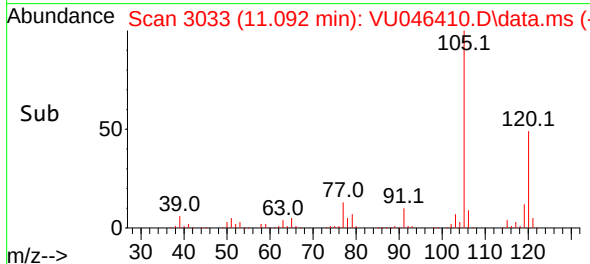
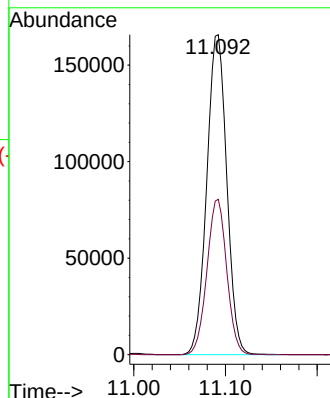
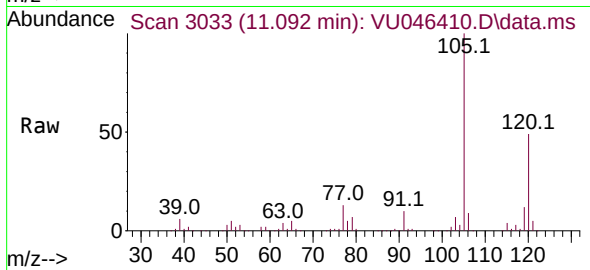




#62
 1,3,5-Trimethylbenzene
 Concen: 55.593 ug/L
 RT: 11.092 min Scan# 3033
 Delta R.T. -0.000 min
 Lab File: VU046410.D
 Acq: 16 Dec 2021 10:33

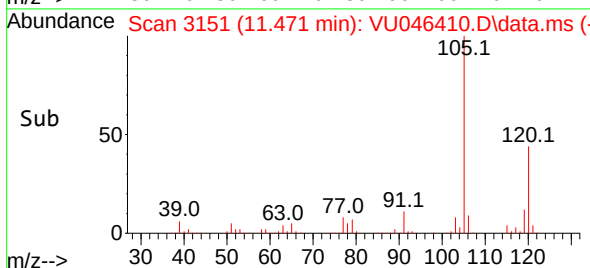
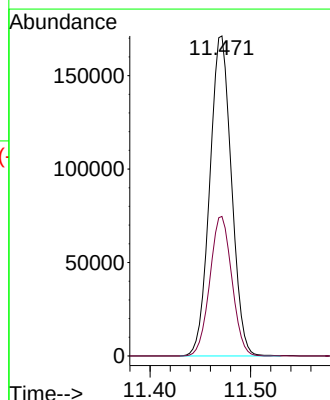
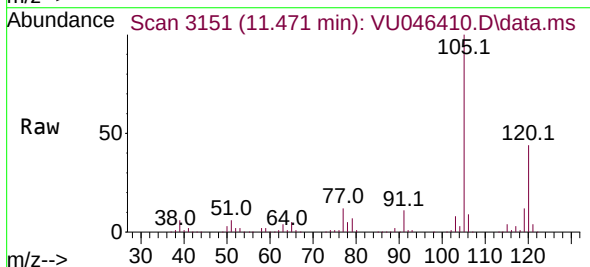
Instrument :
 MSVOA_U
 ClientSampleId :

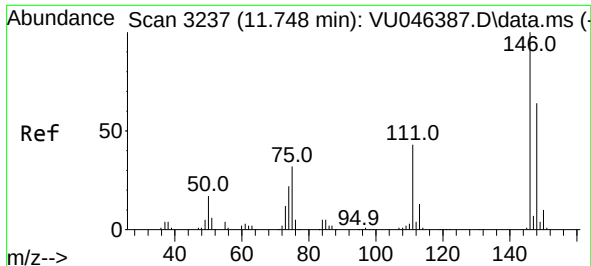
Tgt Ion:105 Resp: 250709
 Ion Ratio Lower Upper
 105 100
 120 48.0 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 56.928 ug/L
 RT: 11.471 min Scan# 3151
 Delta R.T. -0.000 min
 Lab File: VU046410.D
 Acq: 16 Dec 2021 10:33

Tgt Ion:105 Resp: 256854
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.2 52.8

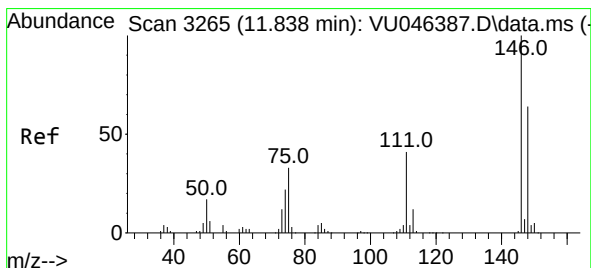
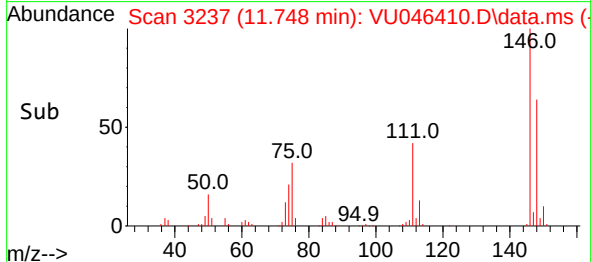
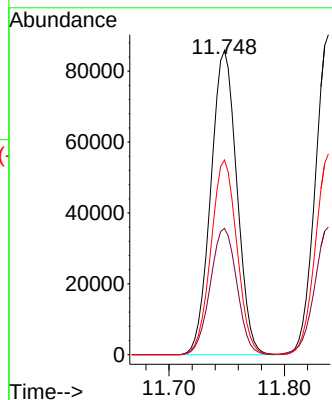
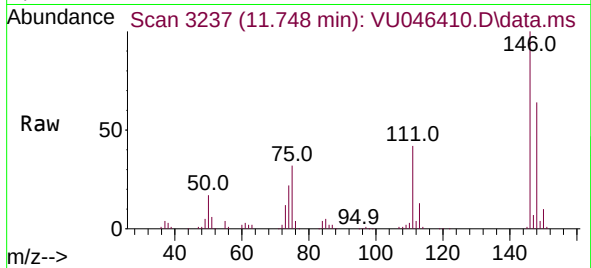




#64
1,3-Dichlorobenzene
Concen: 52.433 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

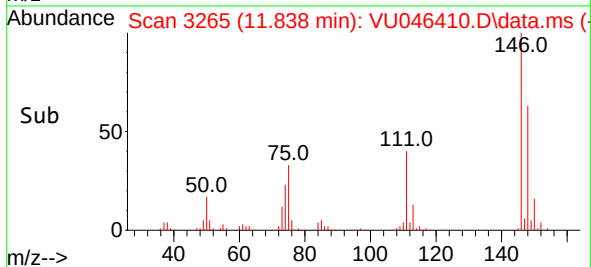
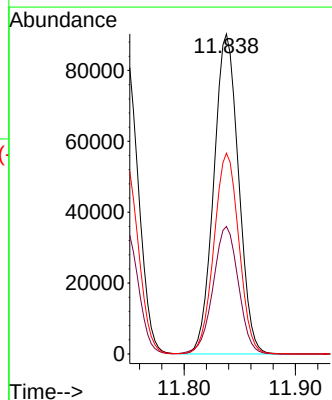
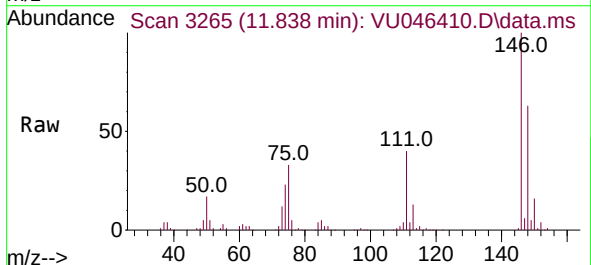
Instrument :
MSVOA_U
ClientSampleId :

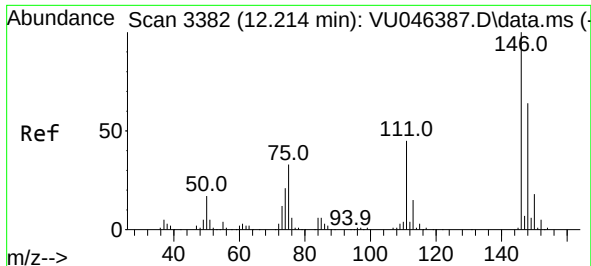
Tgt Ion:146 Resp: 134756
Ion Ratio Lower Upper
146 100
111 41.5 29.5 54.9
148 64.1 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 52.552 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion:146 Resp: 139587
Ion Ratio Lower Upper
146 100
111 39.9 28.3 52.7
148 62.8 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 52.824 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min MSVOA_U

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

Instrument :

MSVOA_U

ClientSampleId :

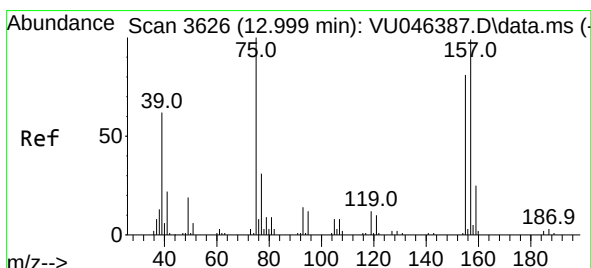
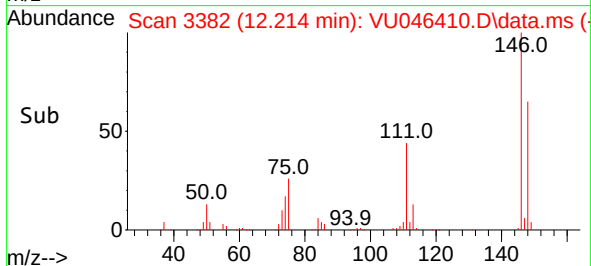
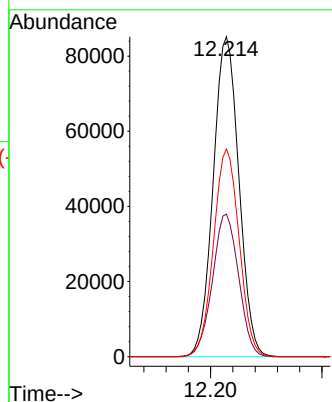
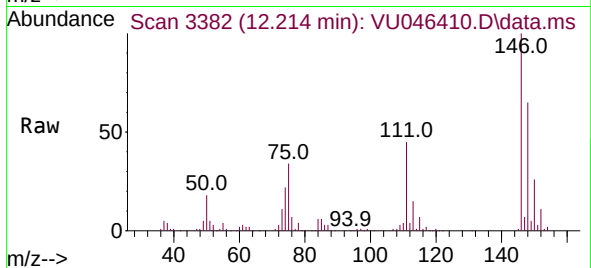
Tgt Ion:146 Resp: 136715

Ion Ratio Lower Upper

146 100

111 44.6 35.7 53.5

148 64.9 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 59.228 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046410.D

Acq: 16 Dec 2021 10:33

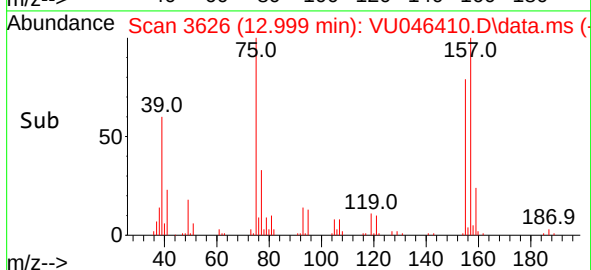
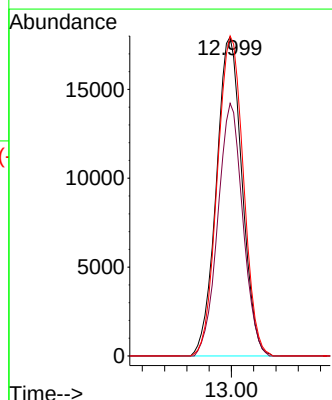
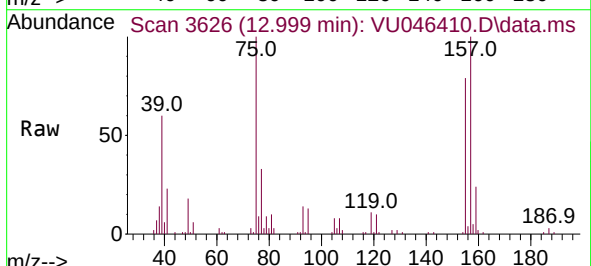
Tgt Ion: 75 Resp: 28762

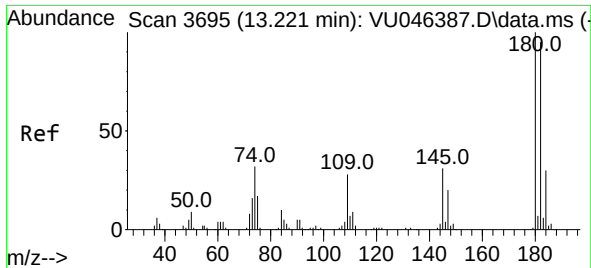
Ion Ratio Lower Upper

75 100

155 79.2 64.9 97.3

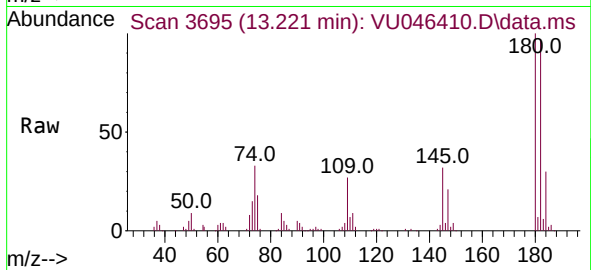
157 100.3 81.9 122.9



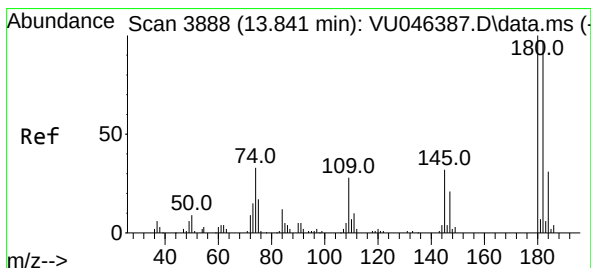
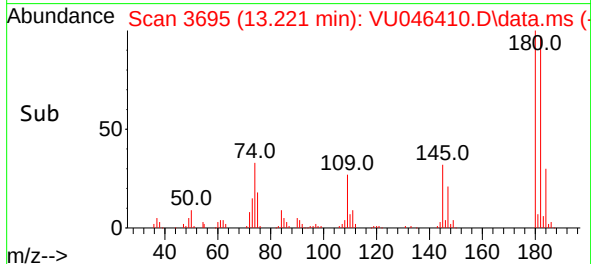
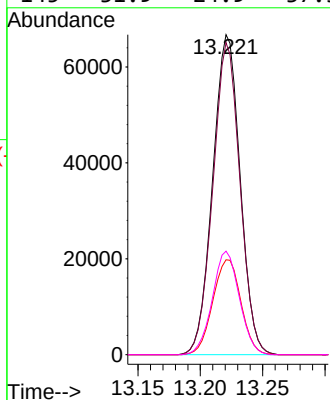


#69
 1,3,5-Trichlorobenzene
 Concen: 54.530 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046410.D
 Acq: 16 Dec 2021 10:33

Instrument :
 MSVOA_U
 ClientSampleId :

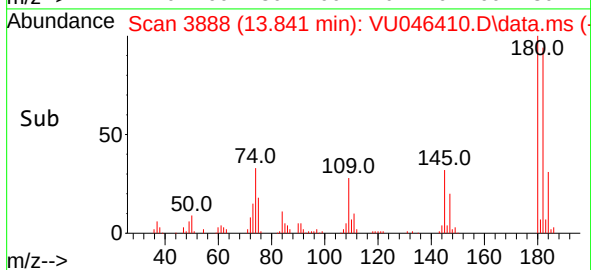
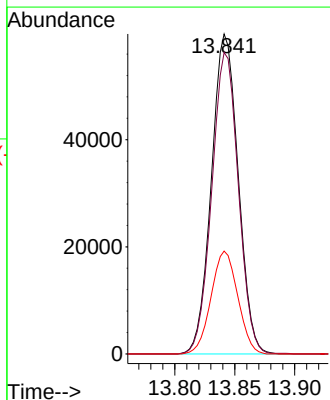
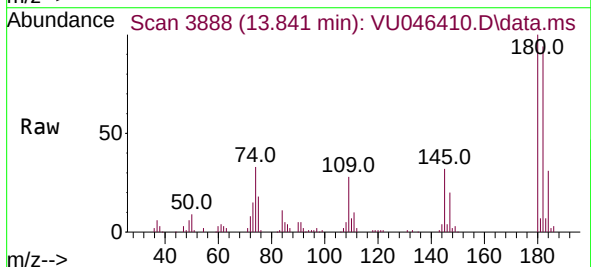


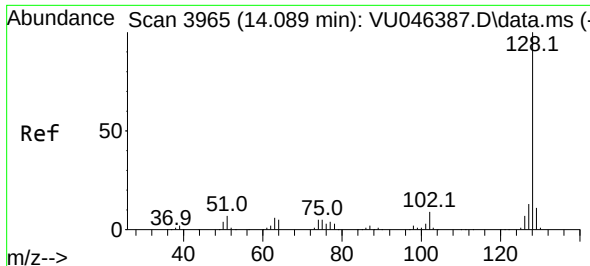
Tgt Ion:180 Resp: 102116
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.9 113.9
 184 30.5 24.2 36.4
 145 31.9 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 55.760 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046410.D
 Acq: 16 Dec 2021 10:33

Tgt Ion:180 Resp: 92661
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.7 115.1
 145 32.1 26.0 39.0

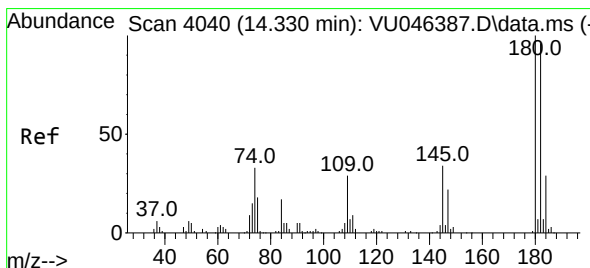
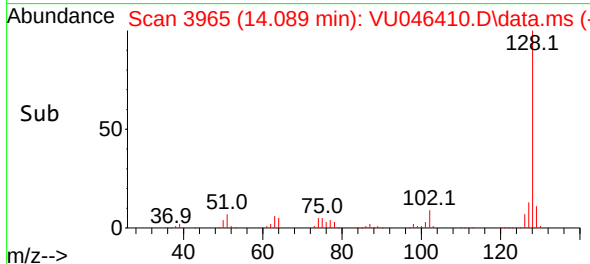
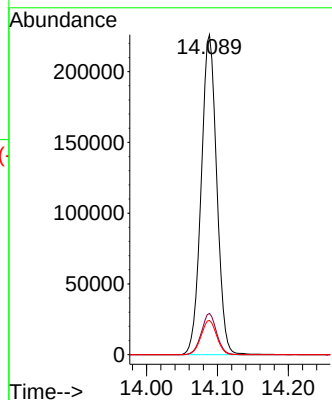
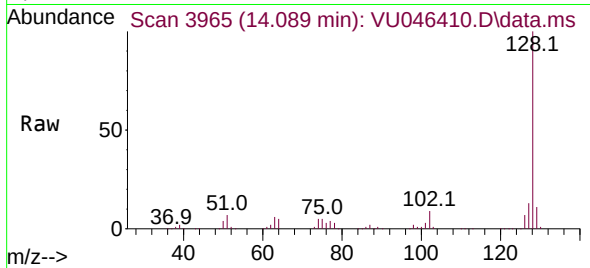




#71
Naphthalene
Concen: 59.491 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 344018
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 58.740 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU046410.D
Acq: 16 Dec 2021 10:33

Tgt Ion:180 Resp: 99539
Ion Ratio Lower Upper
180 100
182 95.0 76.0 114.0
145 34.2 27.3 40.9

