

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046436.D
 Acq On : 16 Dec 2021 21:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 01:56:36 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	149632	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	150036	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	83215	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	54113	43.902	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.800%
7) Chloroethane-d5	1.919	69	40840	43.154	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.300%
11) 1,1-Dichloroethene-d2	2.575	63	101824	46.017	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.040%
21) 2-Butanone-d5	4.632	46	79292	80.923	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.920%
24) Chloroform-d	5.067	84	103716	50.388	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.780%
26) 1,2-Dichloroethane-d4	5.706	65	66470	48.118	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.240%
32) Benzene-d6	5.732	84	199498	46.392	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.780%
36) 1,2-Dichloropropane-d6	6.693	67	61233	45.945	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.900%
41) Toluene-d8	7.899	98	181870	46.450	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.900%
43) trans-1,3-Dichloroprop...	8.182	79	30697	47.714	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.420%
47) 2-Hexanone-d5	8.636	63	63004	99.706	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.710%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	90785	44.918	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.840%
66) 1,2-Dichlorobenzene-d4	12.195	152	69286	43.234	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	79057	48.562	ug/L	99
3) Chloromethane	1.523	50	72356	49.691	ug/L	98
5) Vinyl chloride	1.607	62	74468	50.721	ug/L	99
6) Bromomethane	1.861	94	44254	53.180	ug/L	98
8) Chloroethane	1.938	64	43168	50.781	ug/L	97
9) Trichlorofluoromethane	2.144	101	109510	57.131	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	59579	54.721	ug/L	97
12) 1,1-Dichloroethene	2.584	96	55984	54.111	ug/L	94
13) Acetone	2.645	43	75068	61.300	ug/L	100
14) Carbon disulfide	2.800	76	173824	54.152	ug/L	99
15) Methyl Acetate	2.954	43	66196	46.370	ug/L	99
16) Methylene chloride	3.051	84	65761	53.423	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	61414	56.091	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	191382	56.718	ug/L	99
19) 1,1-Dichloroethane	3.877	63	111527	56.022	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	66977	56.376	ug/L	99
22) 2-Butanone	4.713	43	101382	76.050	ug/L	95
23) Bromochloromethane	4.980	128	35023	58.369	ug/L	93
25) Chloroform	5.092	83	119597	54.070	ug/L	99

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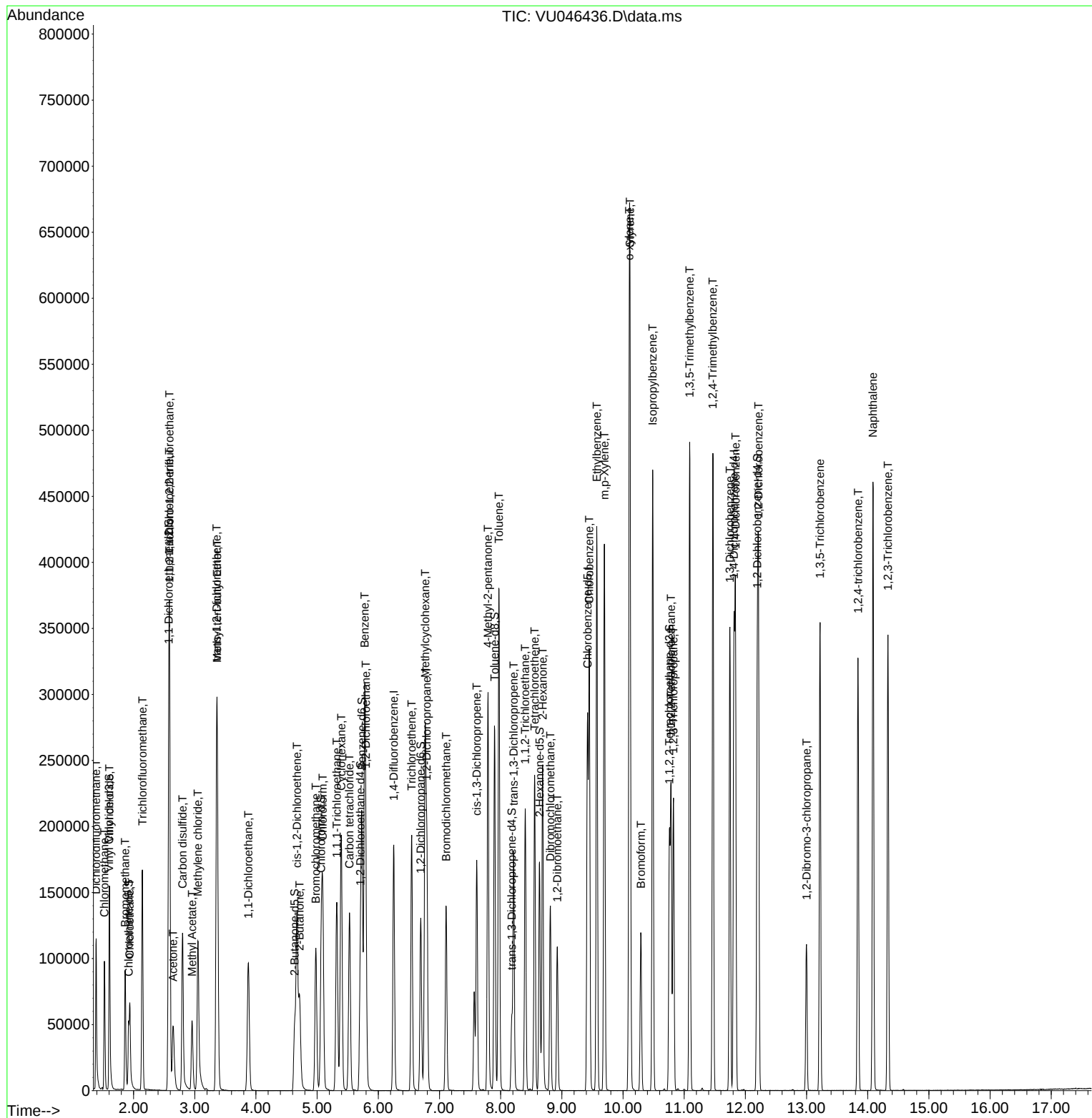
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	98103	59.770	ug/L	99
29) Cyclohexane	5.394	56	97502	55.809	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	108099	58.695	ug/L	99
31) Carbon tetrachloride	5.530	117	93312	59.681	ug/L	99
33) Benzene	5.777	78	257929	56.800	ug/L	100
34) Trichloroethene	6.546	95	65642	54.871	ug/L	98
35) Methylcyclohexane	6.767	83	109564	59.067	ug/L	99
37) 1,2-Dichloropropane	6.793	63	65741	55.265	ug/L	99
38) Bromodichloromethane	7.108	83	91481	57.859	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	104225	57.594	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	184247	105.420	ug/L	99
42) Toluene	7.970	91	278178	57.090	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	103085	57.998	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	65903	55.222	ug/L	98
46) Tetrachloroethene	8.555	164	50783	57.765	ug/L	97
48) 2-Hexanone	8.687	43	144599	92.511	ug/L	97
49) Dibromochloromethane	8.812	129	71879	57.355	ug/L	96
50) 1,2-Dibromoethane	8.925	107	71412	55.192	ug/L	99
51) Chlorobenzene	9.449	112	174900	55.482	ug/L	99
52) Ethylbenzene	9.571	91	298957	57.009	ug/L	99
53) m,p-Xylene	9.697	106	118162	57.779	ug/L	98
54) o-xylene	10.102	106	112648	56.767	ug/L	99
55) Styrene	10.115	104	197874	58.405	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	109487	53.511	ug/L	99
59) Bromoform	10.291	173	52269	53.543	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	91483	50.151	ug/L	99
61) Isopropylbenzene	10.484	105	300551	55.511	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	261927	58.040	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	265619	58.829	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	139644	54.297	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	140526	52.869	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	137607	53.131	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.999	75	28280	58.195	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	104992	56.027	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	96015	57.738	ug/L	99
71) Naphthalene	14.085	128	356146	61.545	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	102083	60.199	ug/L	100

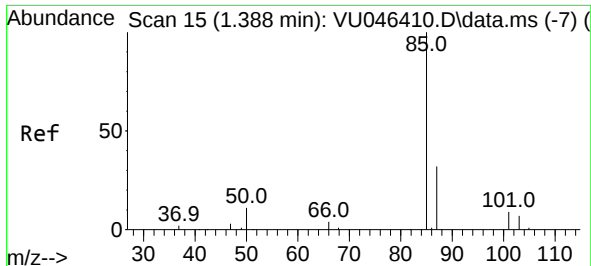
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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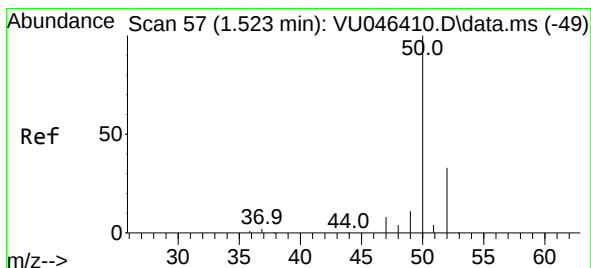
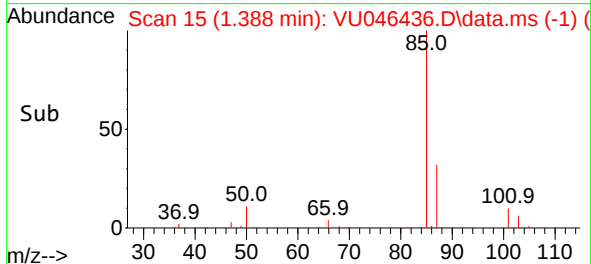
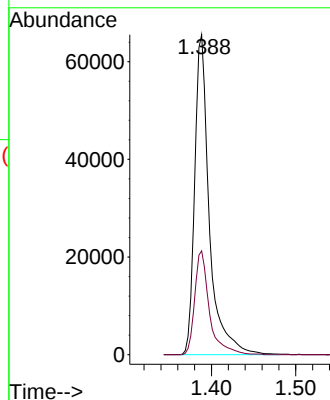
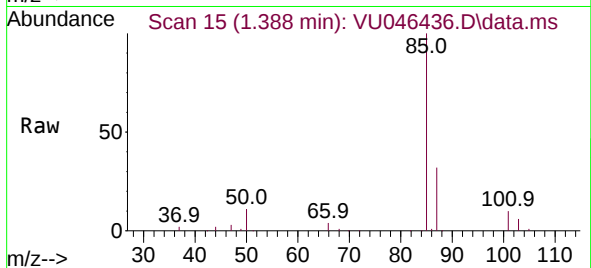




#2
Dichlorodifluoromethane
Concen: 48.562 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

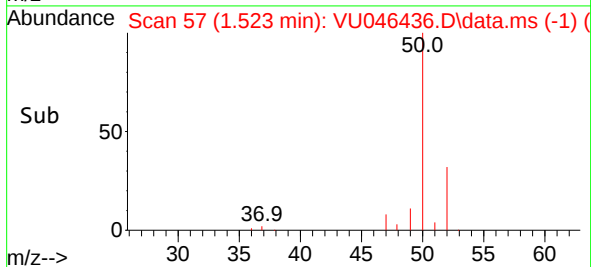
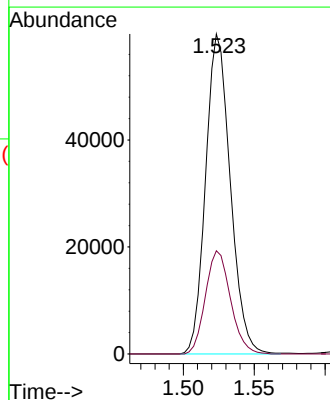
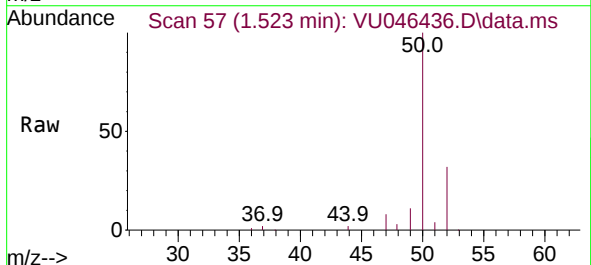
Instrument :
MSVOA_U
ClientSampleId :

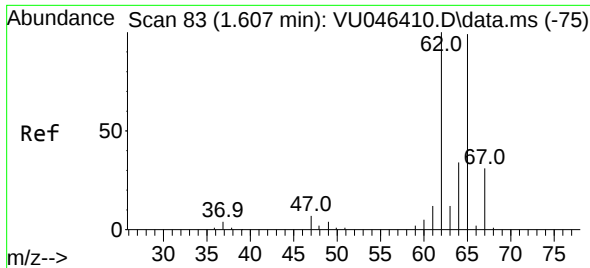
Tgt Ion: 85 Resp: 79057
Ion Ratio Lower Upper
85 100
87 32.6 25.7 38.5



#3
Chloromethane
Concen: 49.691 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

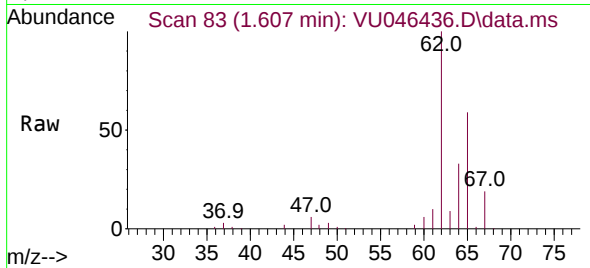
Tgt Ion: 50 Resp: 72356
Ion Ratio Lower Upper
50 100
52 32.2 23.2 43.2



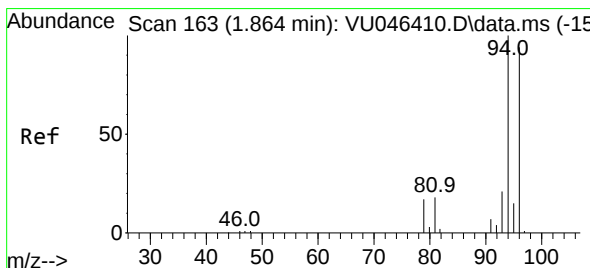
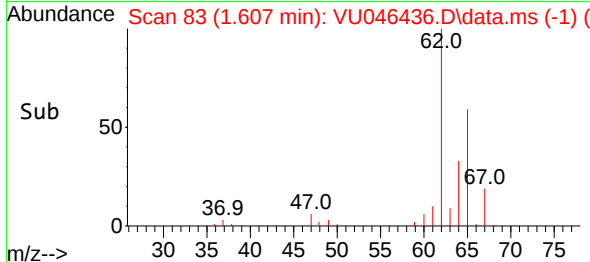
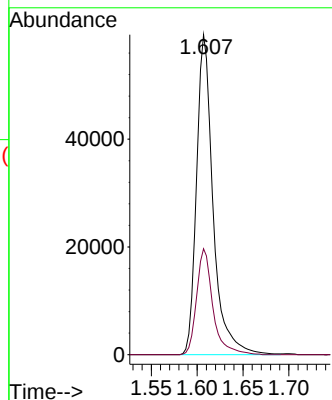


#5
 Vinyl chloride
 Concen: 50.721 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046436.D
 Acq: 16 Dec 2021 21:19

Instrument :
 MSVOA_U
 ClientSampleId :

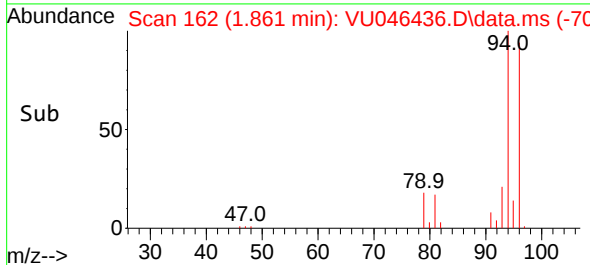
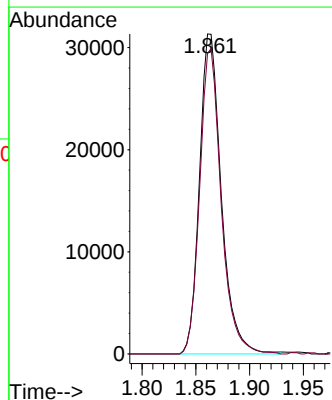
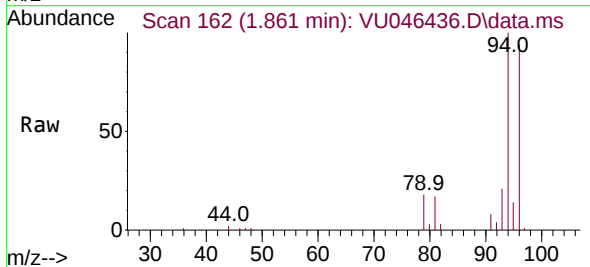


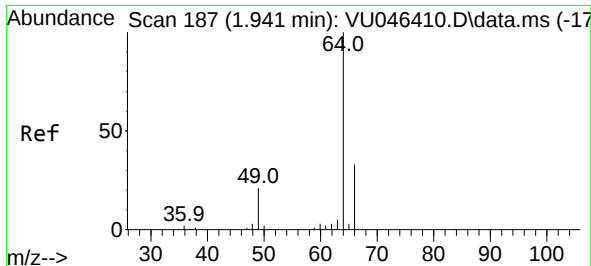
Tgt Ion: 62 Resp: 74468
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.9 42.5



#6
 Bromomethane
 Concen: 53.180 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VU046436.D
 Acq: 16 Dec 2021 21:19

Tgt Ion: 94 Resp: 44254
 Ion Ratio Lower Upper
 94 100
 96 94.0 67.4 125.2

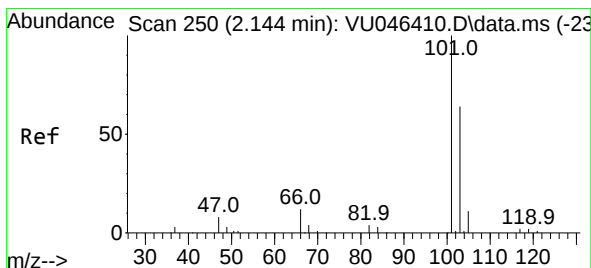
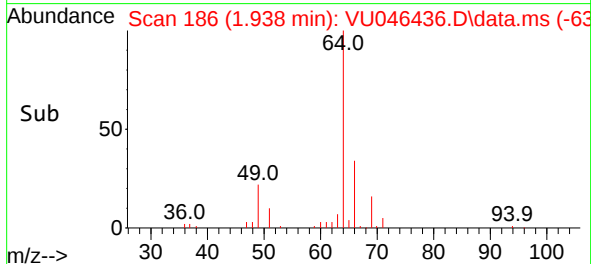
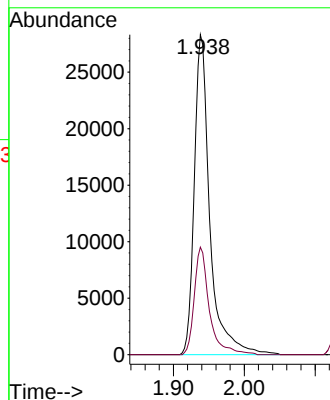
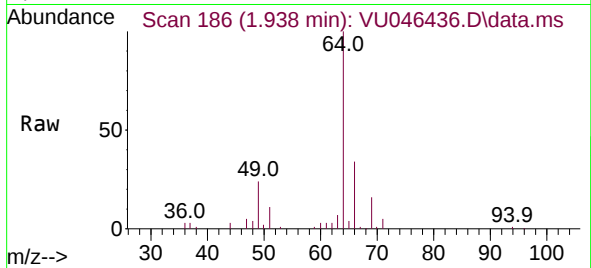




#8
Chloroethane
Concen: 50.781 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

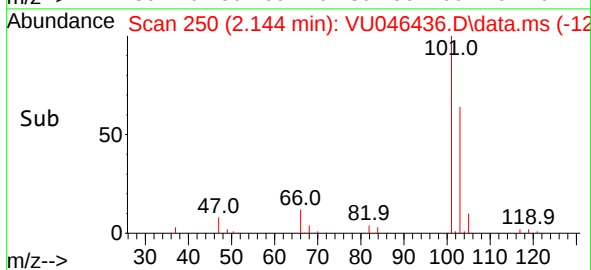
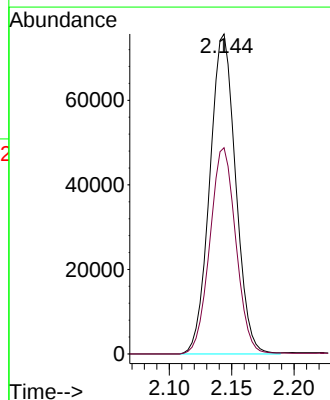
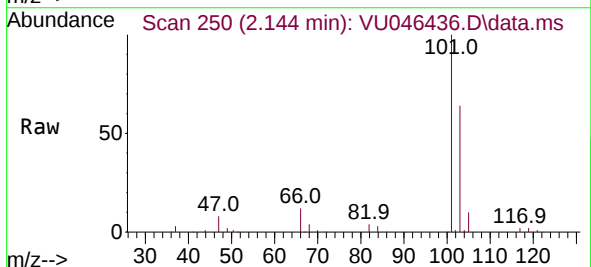
Instrument :
MSVOA_U
ClientSampleId :

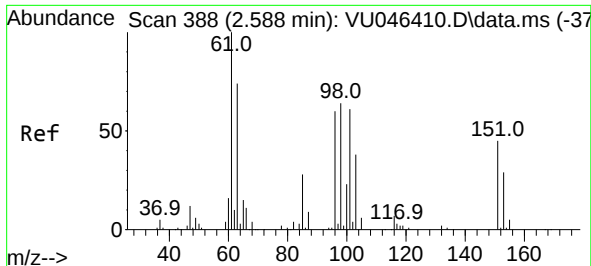
Tgt Ion: 64 Resp: 43168
Ion Ratio Lower Upper
64 100
66 33.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 57.131 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

Tgt Ion:101 Resp: 109510
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6





#10

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

Concen: 54.721 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Instrument :

MSVOA_U

ClientSampleId :

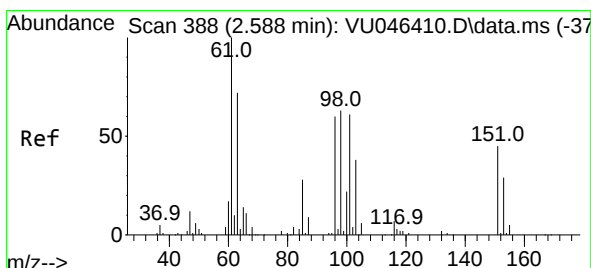
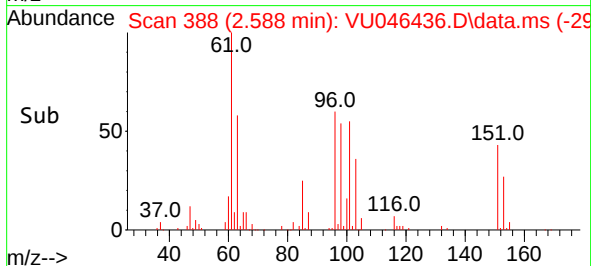
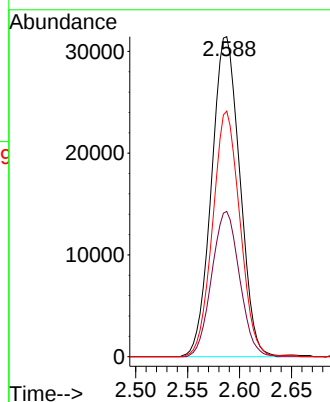
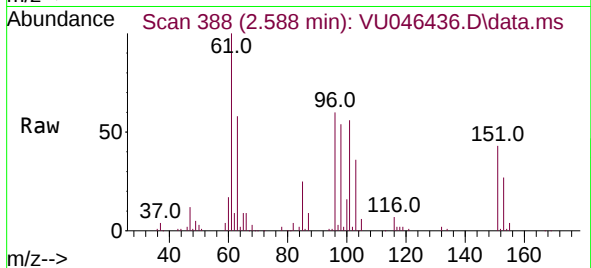
Tgt Ion:101 Resp: 59579

Ion Ratio Lower Upper

101 100

85 44.6 35.1 52.7

151 73.9 56.7 85.1



#12

1,1-Dichloroethene

Concen: 54.111 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

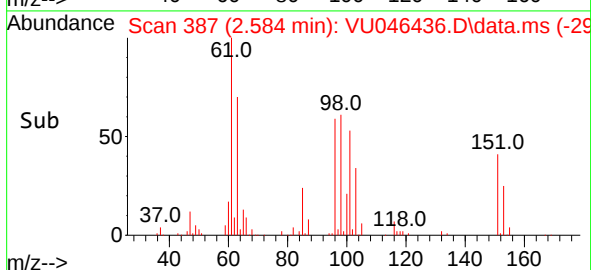
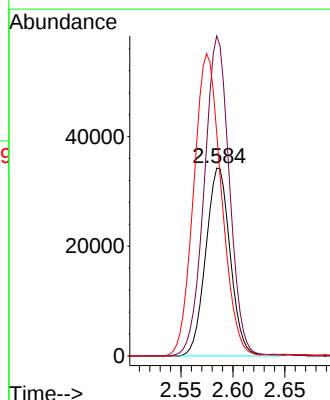
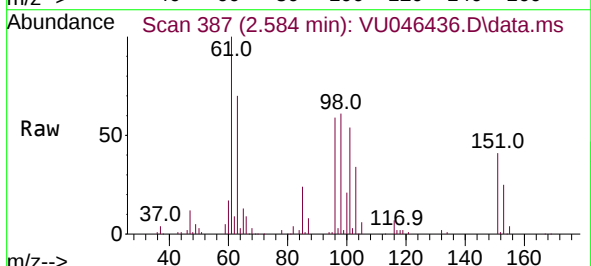
Tgt Ion: 96 Resp: 55984

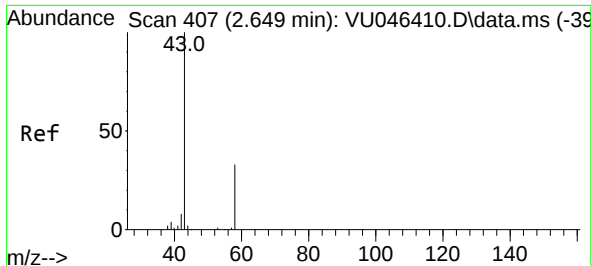
Ion Ratio Lower Upper

96 100

61 170.4 118.6 220.2

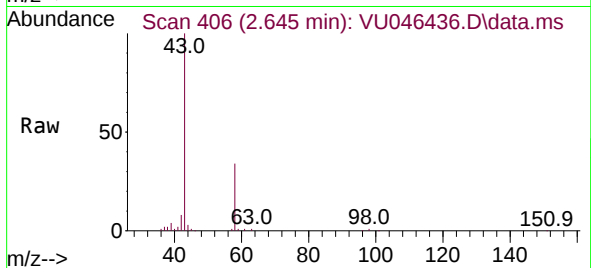
63 119.0 93.0 172.8



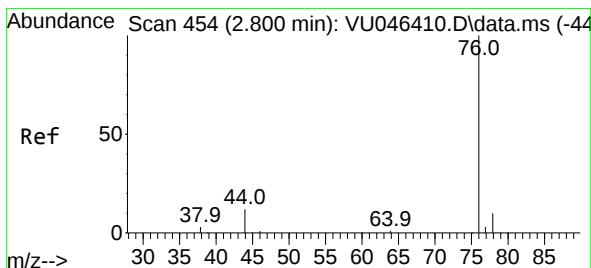
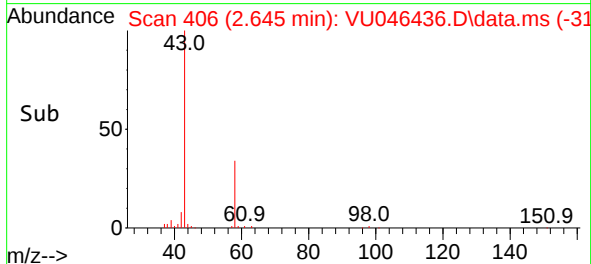
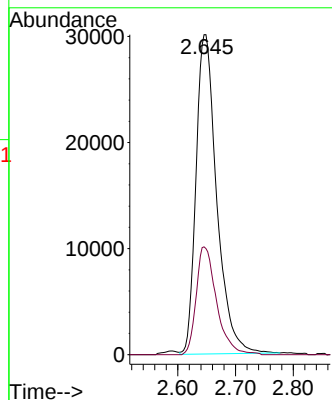


#13
Acetone
Concen: 61.300 ug/L
RT: 2.645 min Scan# 407
Delta R.T. -0.003 min
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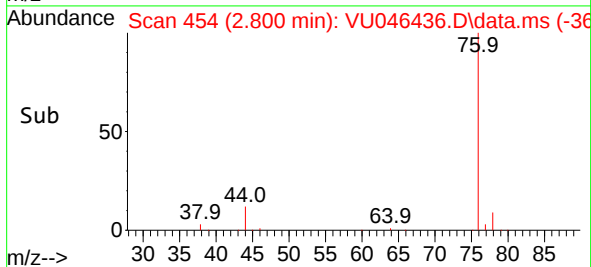
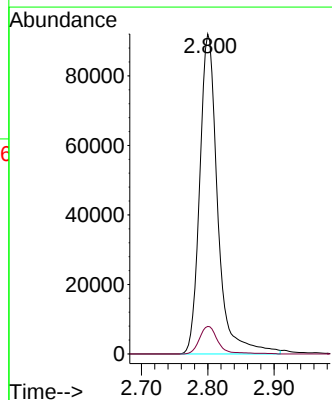
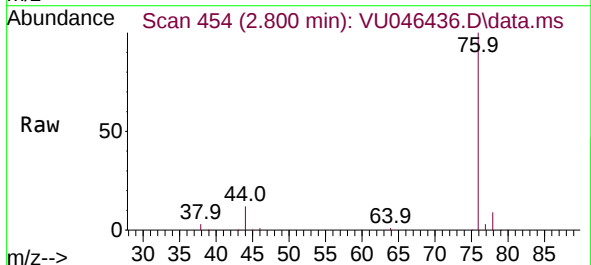


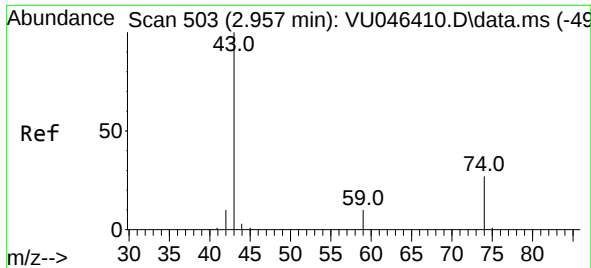
Tgt Ion: 43 Resp: 75068
Ion Ratio Lower Upper
43 100
58 33.2 0.0 66.8



#14
Carbon disulfide
Concen: 54.152 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 173824
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9

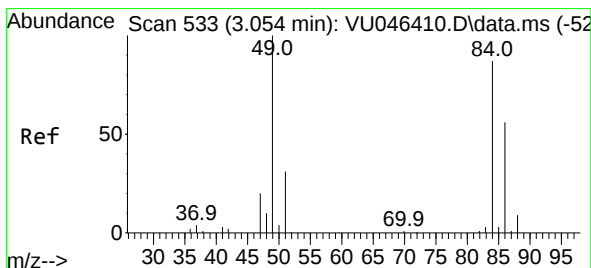
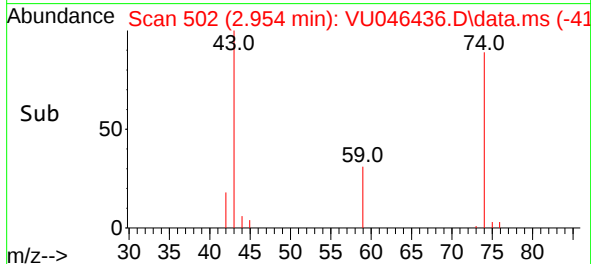
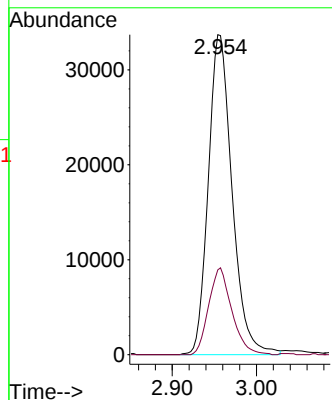
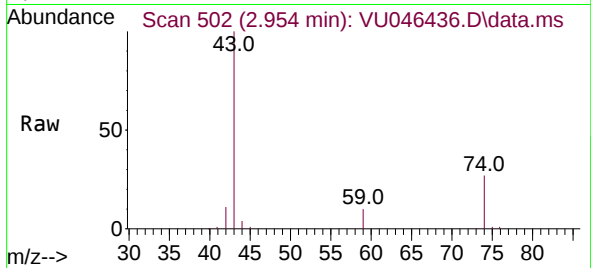




#15
Methyl Acetate
Concen: 46.370 ug/L
RT: 2.954 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

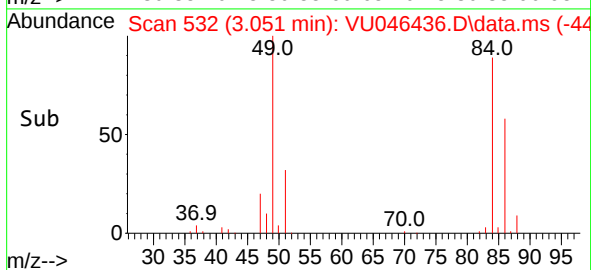
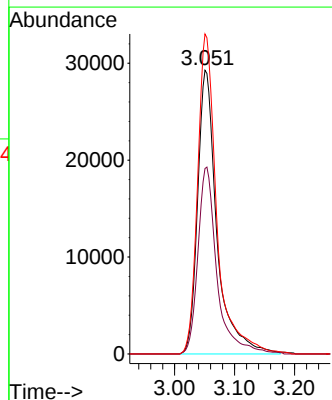
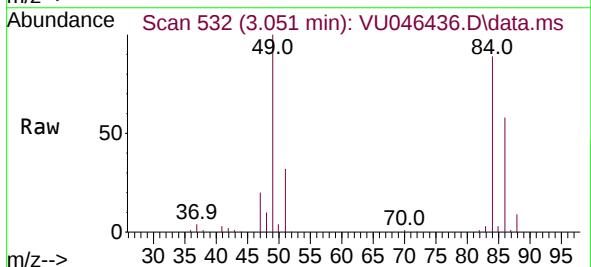
Instrument :
MSVOA_U
ClientSampleId :

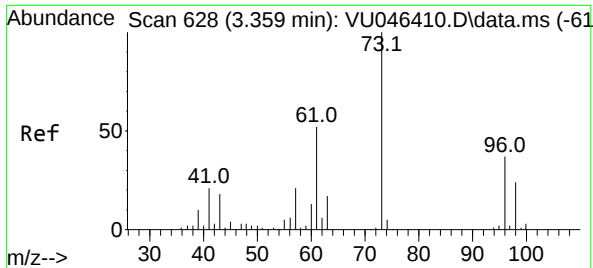
Tgt Ion: 43 Resp: 66196
Ion Ratio Lower Upper
43 100
74 26.3 20.8 31.2



#16
Methylene chloride
Concen: 53.423 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

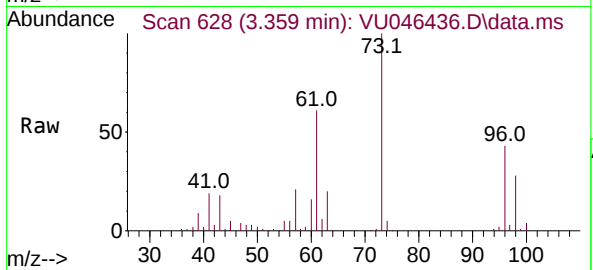
Tgt Ion: 84 Resp: 65761
Ion Ratio Lower Upper
84 100
86 65.4 44.7 83.1
49 112.8 78.4 145.6





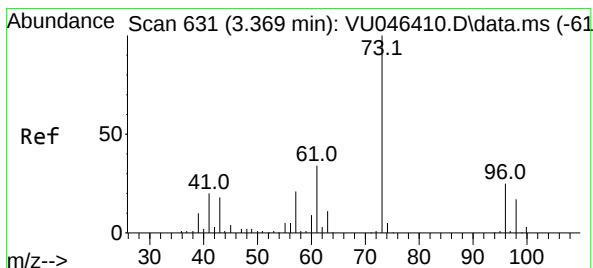
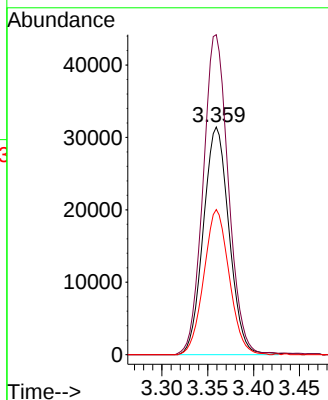
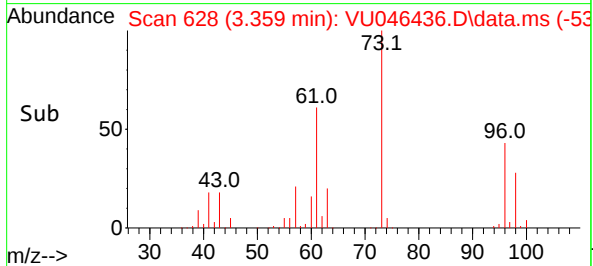
#17
trans-1,2-Dichloroethene
Concen: 56.091 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

Instrument :
MSVOA_U
ClientSampleId :

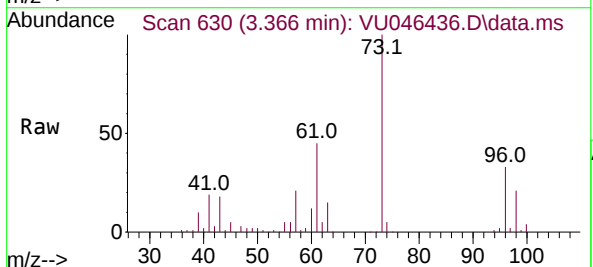


Tgt Ion: 96 Resp: 61414

Ion	Ratio	Lower	Upper
96	100		
61	140.5	94.6	175.6
98	63.7	44.0	81.8

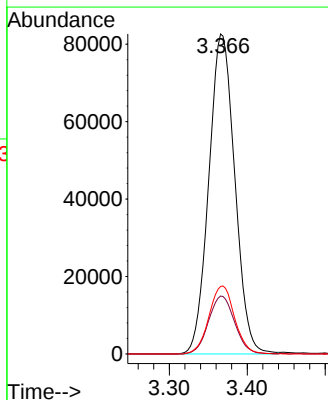
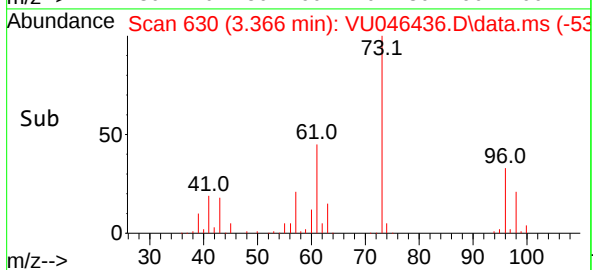


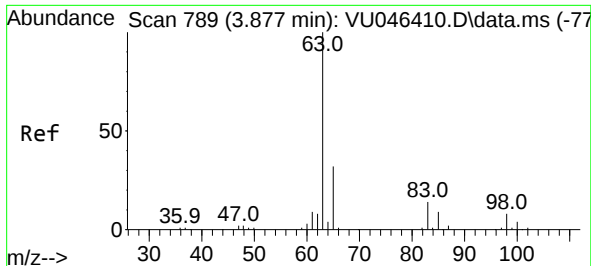
#18
Methyl tert-butyl Ether
Concen: 56.718 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.003 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19



Tgt Ion: 73 Resp: 191382

Ion	Ratio	Lower	Upper
73	100		
43	18.2	14.0	21.0
57	21.0	17.0	25.4





#19

1,1-Dichloroethane

Concen: 56.022 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Instrument :

MSVOA_U

ClientSampleId :

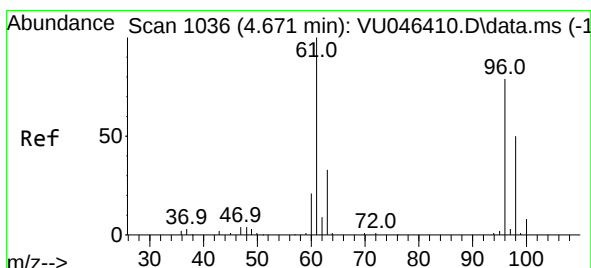
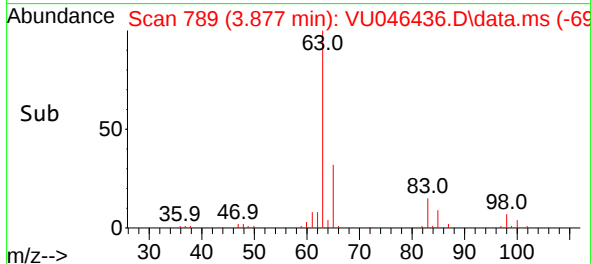
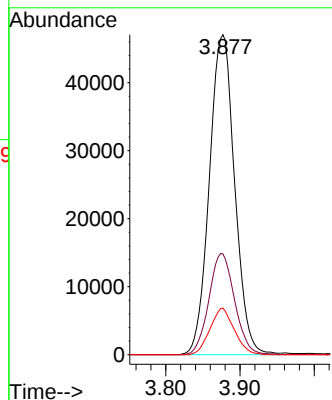
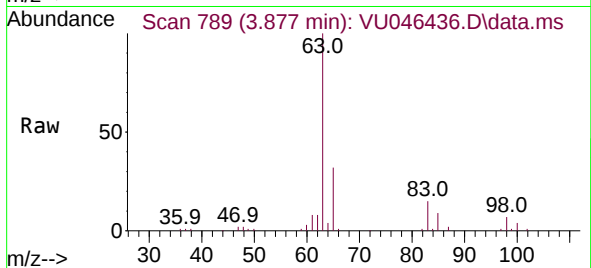
Tgt Ion: 63 Resp: 111527

Ion Ratio Lower Upper

63 100

65 31.5 22.8 42.4

83 14.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 56.376 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

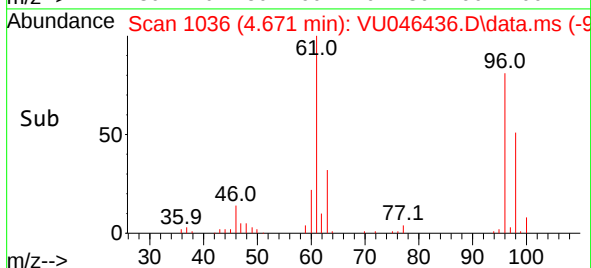
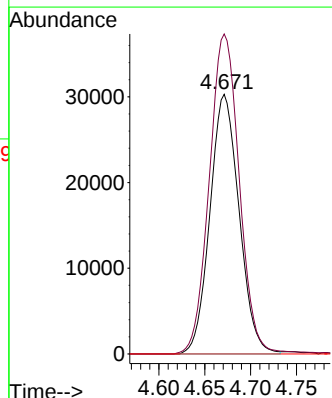
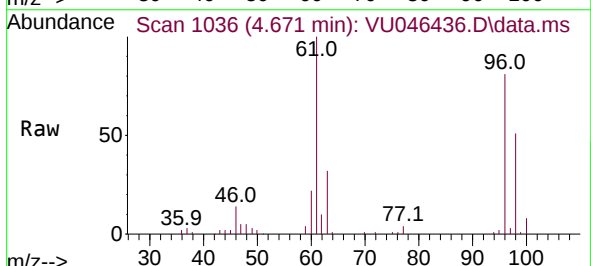
Tgt Ion: 96 Resp: 66977

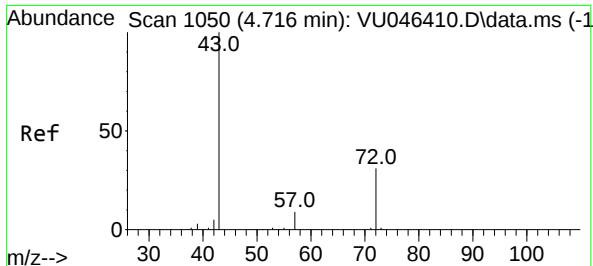
Ion Ratio Lower Upper

96 100

61 123.2 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 76.050 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Instrument :

MSVOA_U

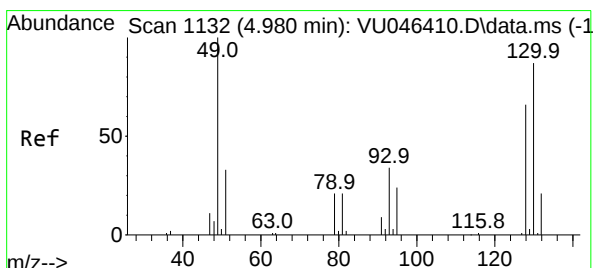
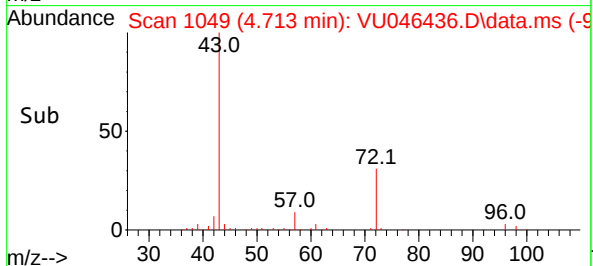
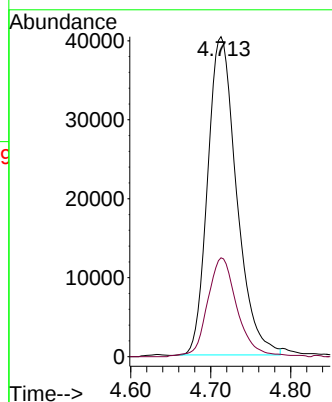
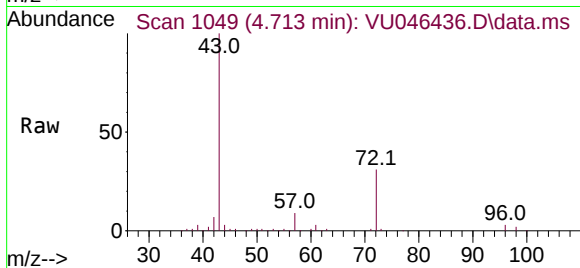
ClientSampleId :

Tgt Ion: 43 Resp: 101382

Ion Ratio Lower Upper

43 100

72 31.8 14.5 43.6



#23

Bromochloromethane

Concen: 58.369 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Tgt Ion: 128 Resp: 35023

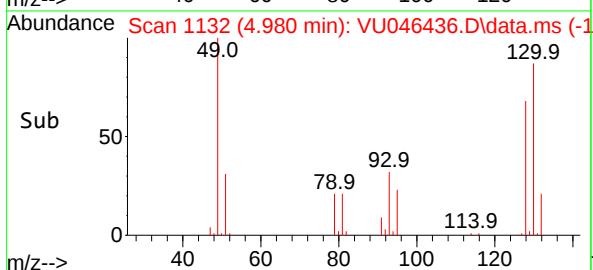
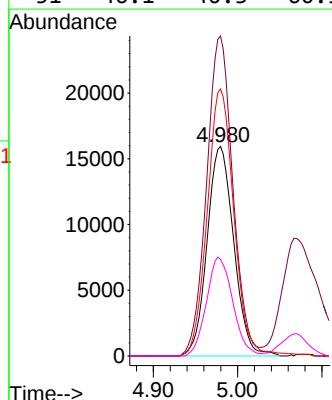
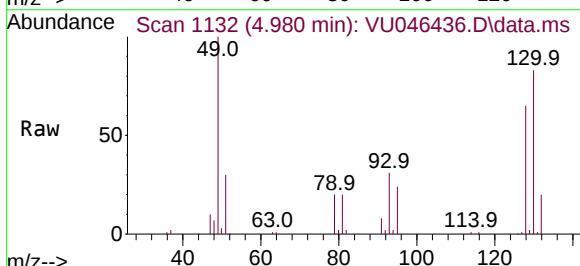
Ion Ratio Lower Upper

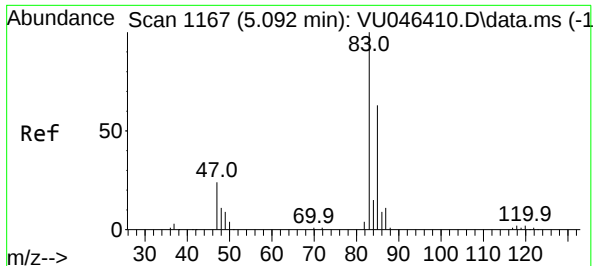
128 100

49 152.7 115.9 215.3

130 127.4 91.8 170.4

51 46.1 40.3 60.5





#25

Chloroform

Concen: 54.070 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Instrument :

MSVOA_U

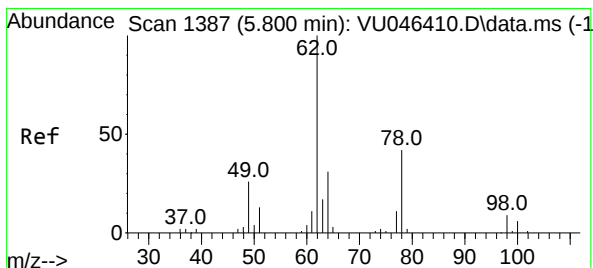
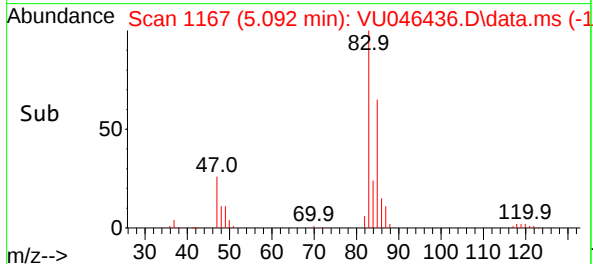
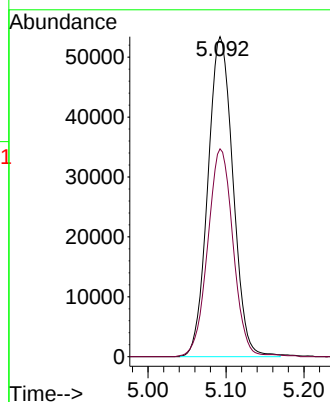
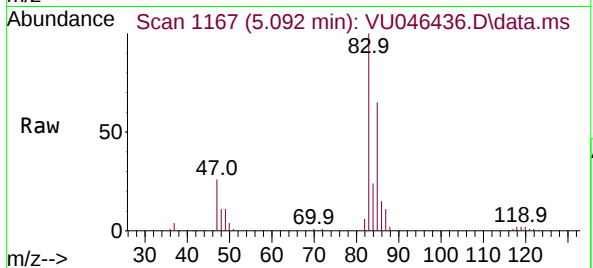
ClientSampleId :

Tgt Ion: 83 Resp: 119597

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.2



#27

1,2-Dichloroethane

Concen: 59.770 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046436.D

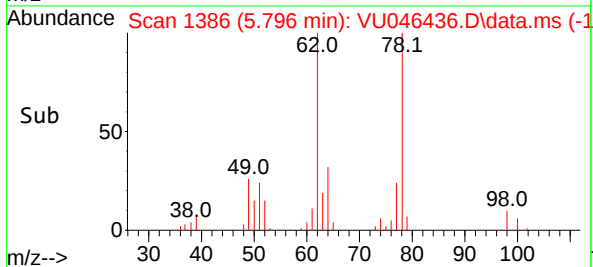
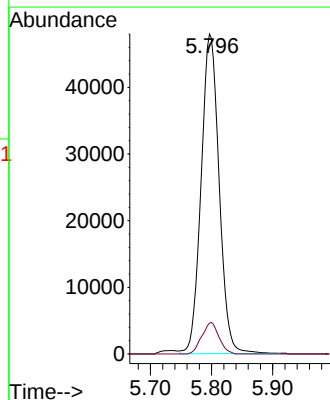
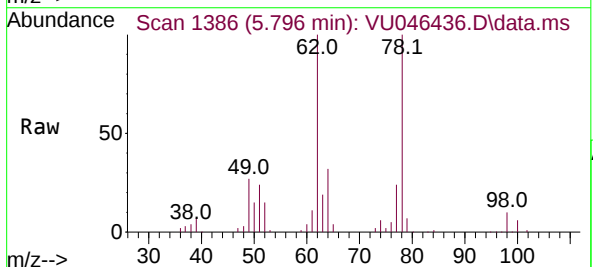
Acq: 16 Dec 2021 21:19

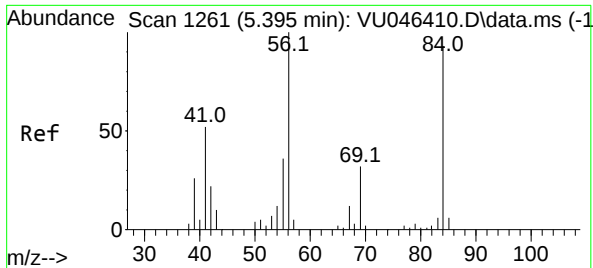
Tgt Ion: 62 Resp: 98103

Ion Ratio Lower Upper

62 100

98 9.7 7.9 11.9





#29

Cyclohexane

Concen: 55.809 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU046436.D

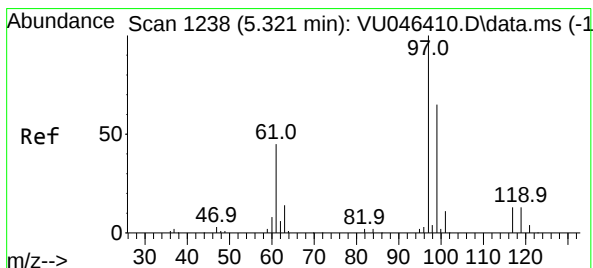
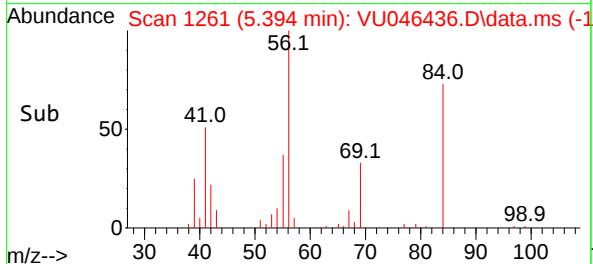
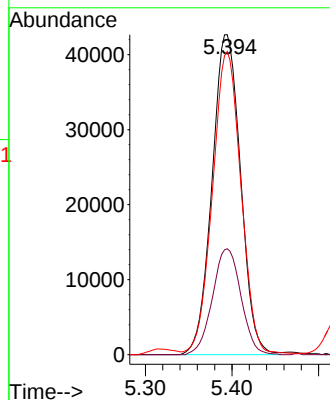
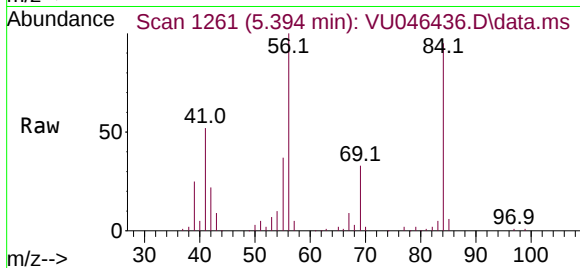
Acq: 16 Dec 2021 21:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	56	Resp:	97502
Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.2	37.8
84	94.8	73.3	109.9



#30

1,1,1-Trichloroethane

Concen: 58.695 ug/L

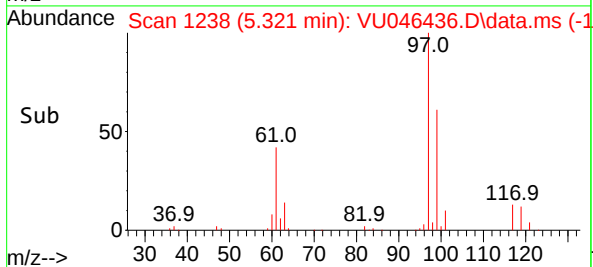
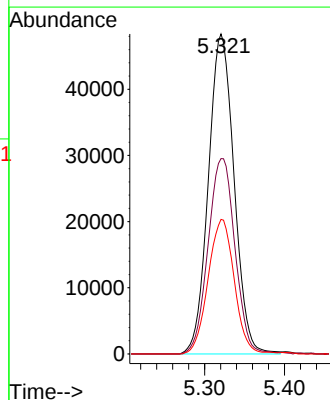
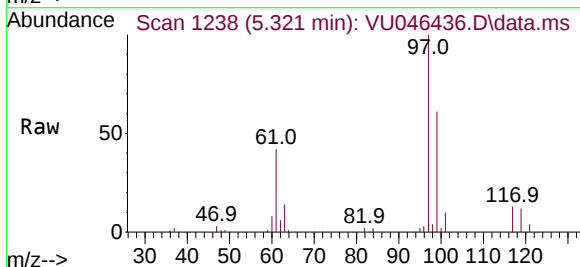
RT: 5.321 min Scan# 1238

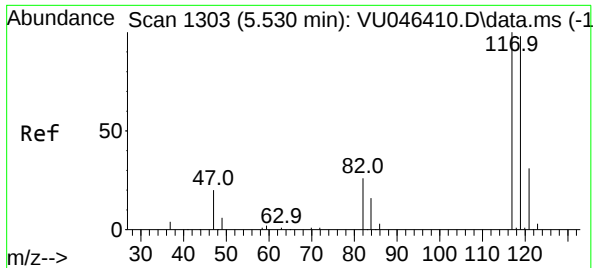
Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Tgt Ion:	97	Resp:	108099
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.6
61	42.6	34.4	51.6

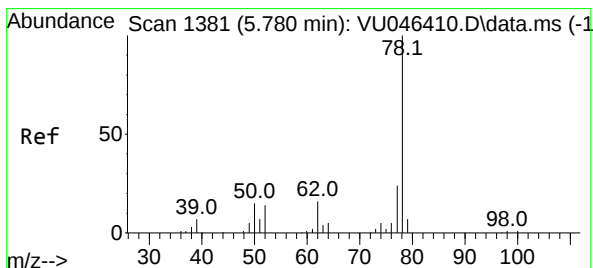
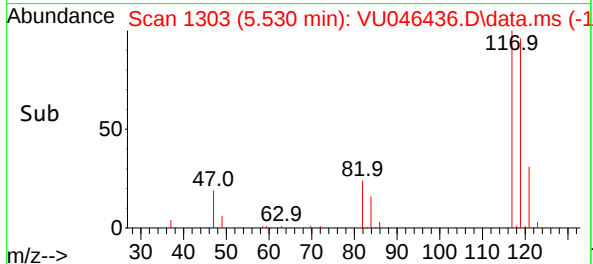
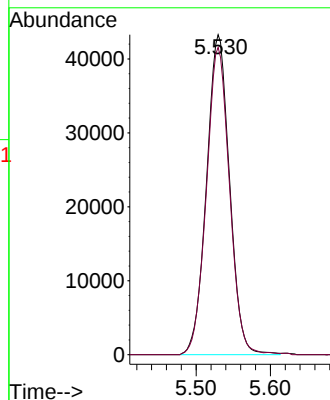
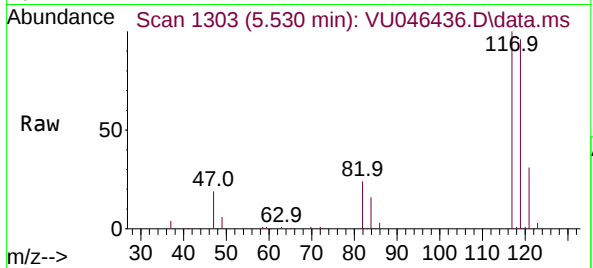




#31
Carbon tetrachloride
Concen: 59.681 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

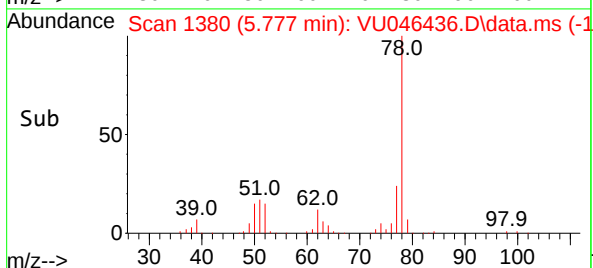
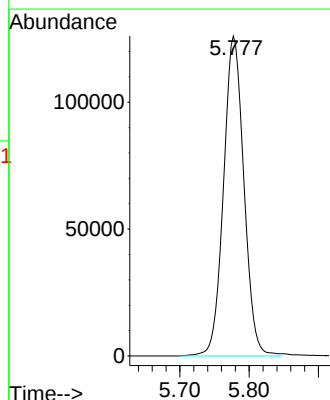
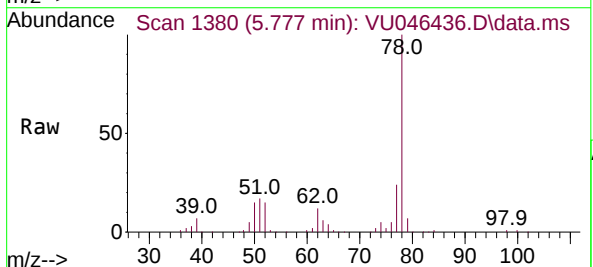
Instrument :
MSVOA_U
ClientSampleId :

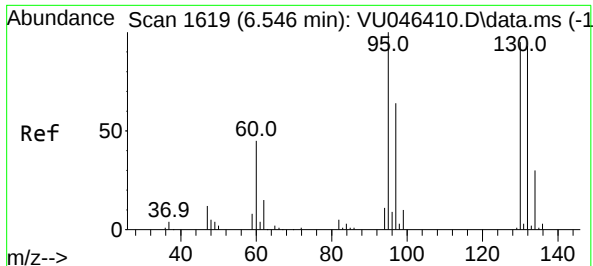
Tgt Ion:117 Resp: 93312
Ion Ratio Lower Upper
117 100
119 96.0 75.7 113.5



#33
Benzene
Concen: 56.800 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

Tgt Ion: 78 Resp: 257929

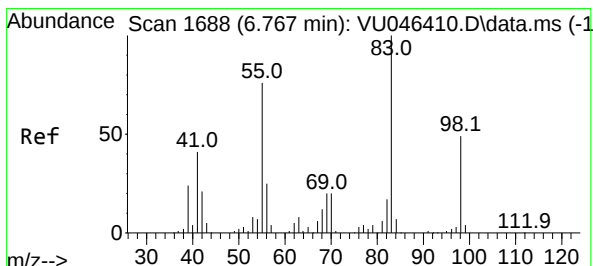
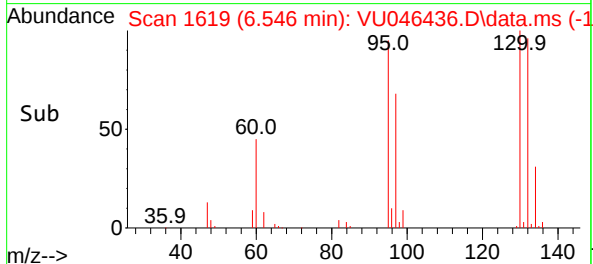
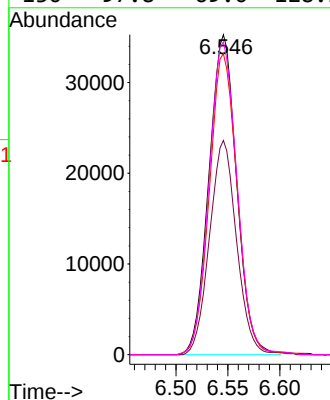
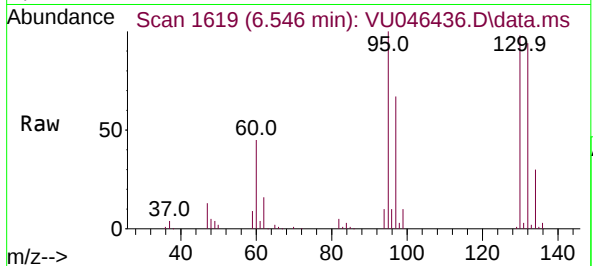




#34
Trichloroethene
Concen: 54.871 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

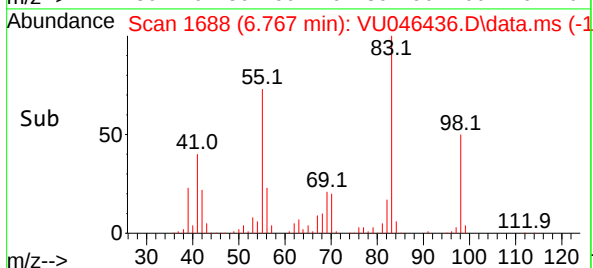
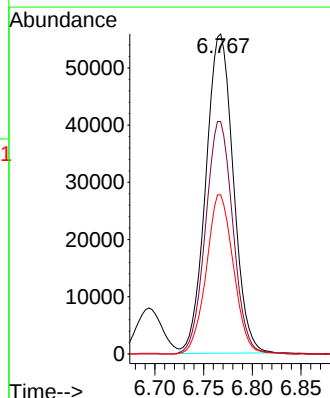
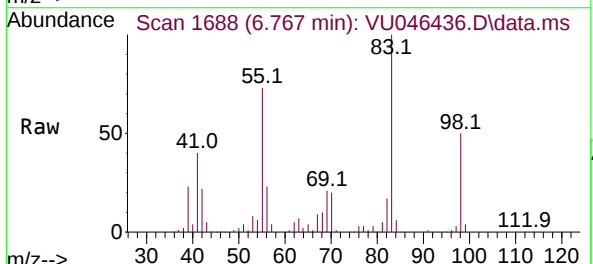
Instrument :
MSVOA_U
ClientSampleId :

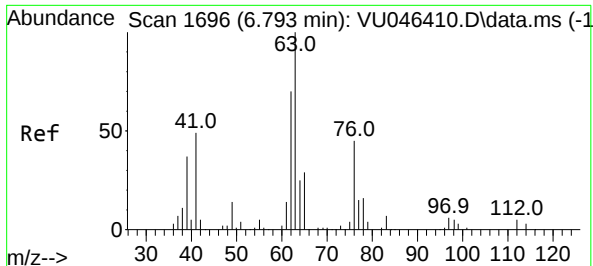
Tgt Ion: 95 Resp: 65642
Ion Ratio Lower Upper
95 100
97 66.9 44.1 81.9
132 94.1 66.8 124.0
130 97.8 69.0 128.1



#35
Methylcyclohexane
Concen: 59.067 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

Tgt Ion: 83 Resp: 109564
Ion Ratio Lower Upper
83 100
55 72.7 57.8 86.6
98 49.2 38.4 57.6

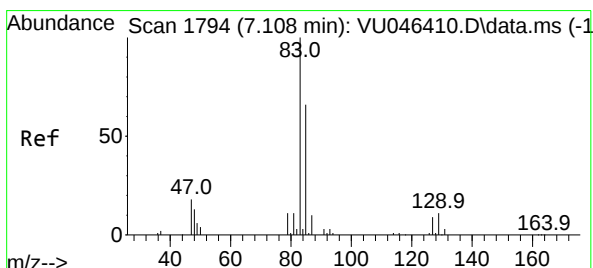
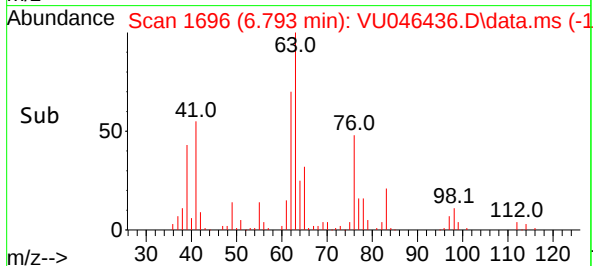
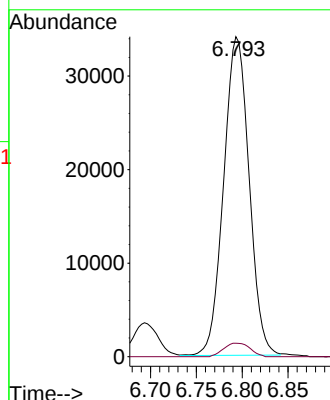
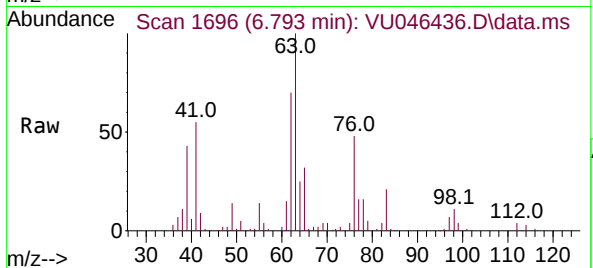




#37
1,2-Dichloropropane
Concen: 55.265 ug/L
RT: 6.793 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

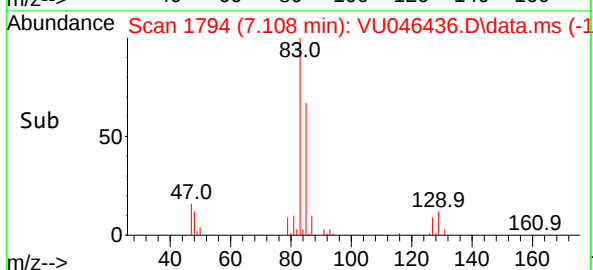
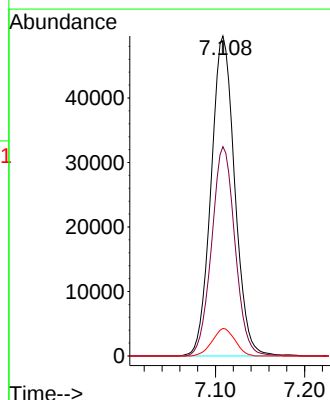
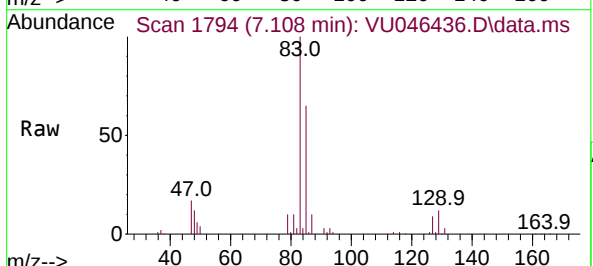
Instrument :
MSVOA_U
ClientSampleId :

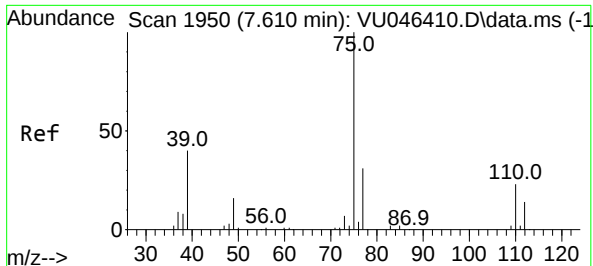
Tgt Ion: 63 Resp: 65741
Ion Ratio Lower Upper
63 100
112 4.4 3.8 5.6



#38
Bromodichloromethane
Concen: 57.859 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

Tgt Ion: 83 Resp: 91481
Ion Ratio Lower Upper
83 100
85 65.4 44.4 82.5
127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 57.594 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Instrument :

MSVOA_U

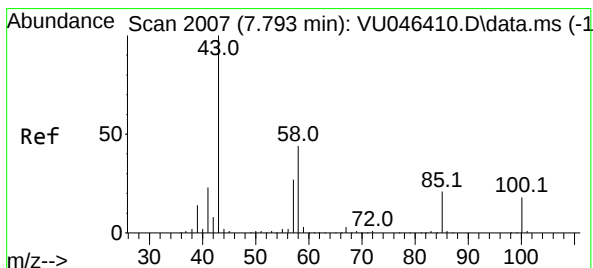
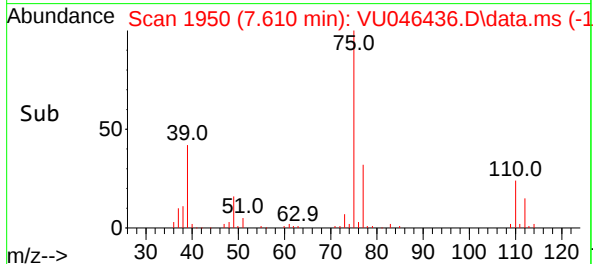
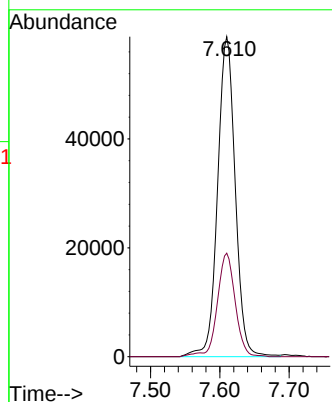
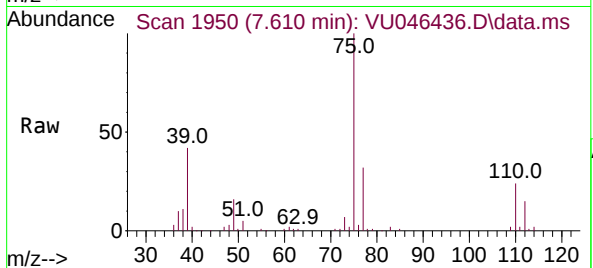
ClientSampleId :

Tgt Ion: 75 Resp: 104225

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 105.420 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

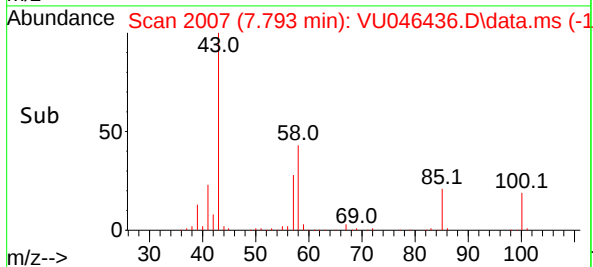
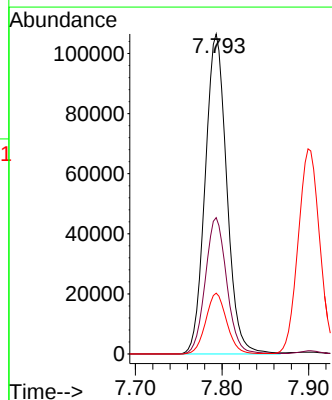
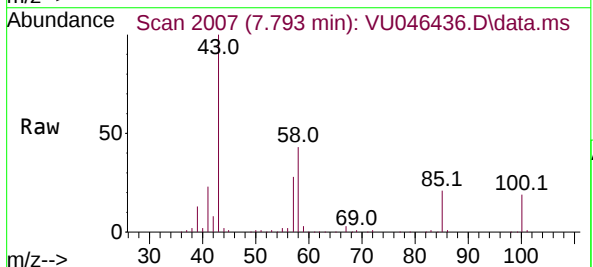
Tgt Ion: 43 Resp: 184247

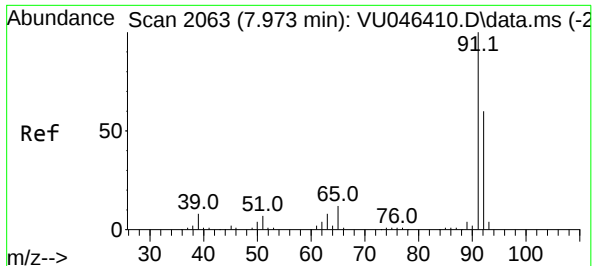
Ion Ratio Lower Upper

43 100

58 42.5 34.2 51.4

100 18.5 14.5 21.7





#42

Toluene

Concen: 57.090 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Instrument :

MSVOA_U

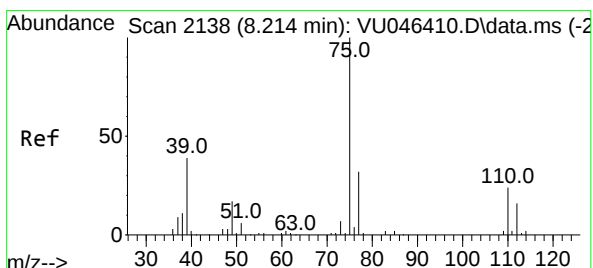
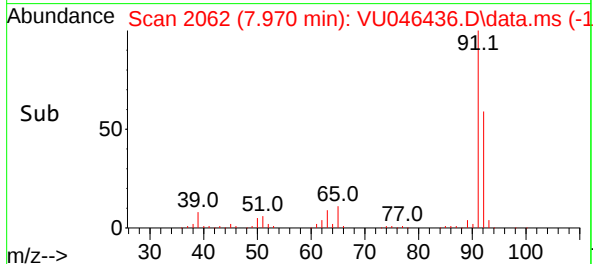
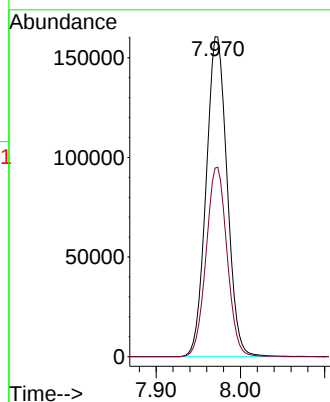
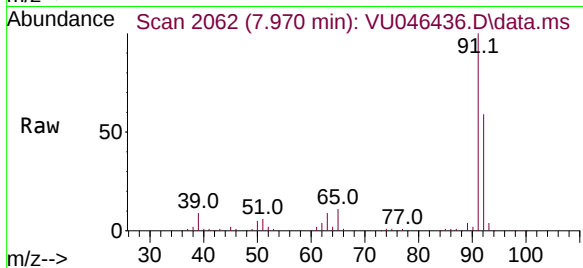
ClientSampleId :

Tgt Ion: 91 Resp: 278178

Ion Ratio Lower Upper

91 100

92 58.9 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 57.998 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU046436.D

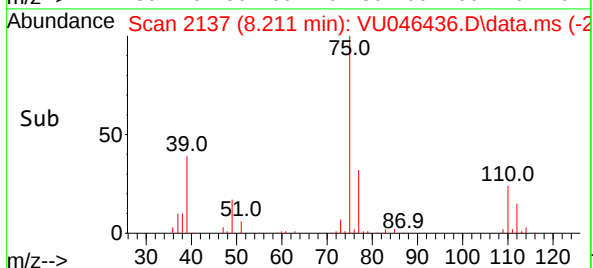
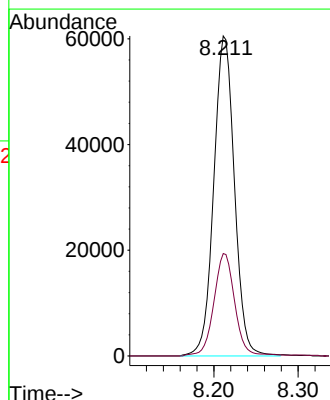
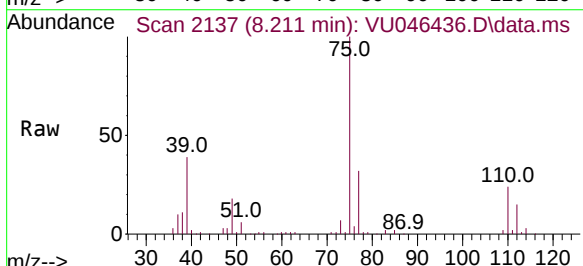
Acq: 16 Dec 2021 21:19

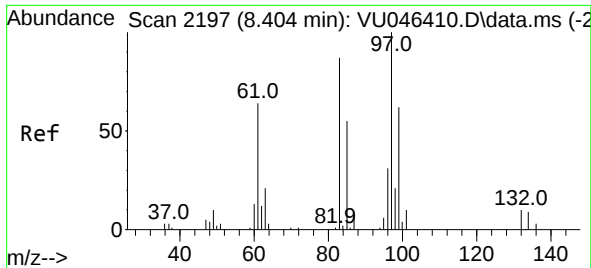
Tgt Ion: 75 Resp: 103085

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3

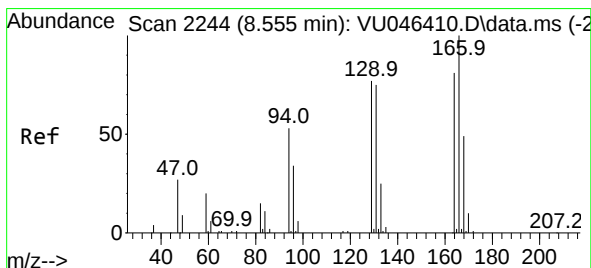
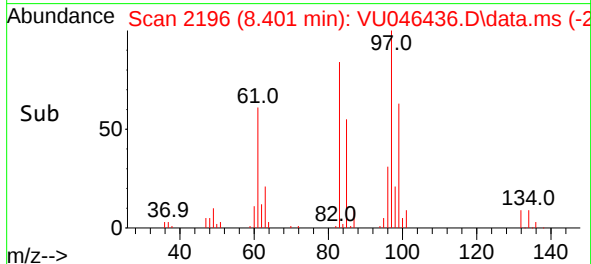
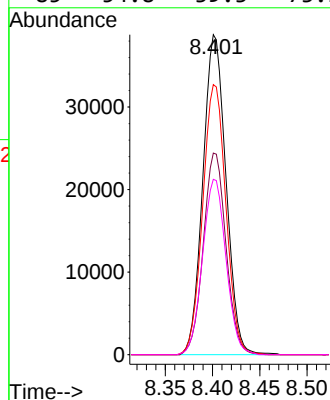
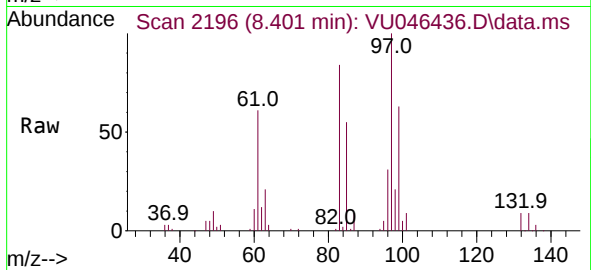




#45
1,1,2-Trichloroethane
Concen: 55.222 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

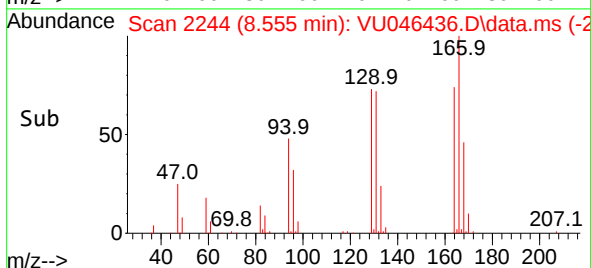
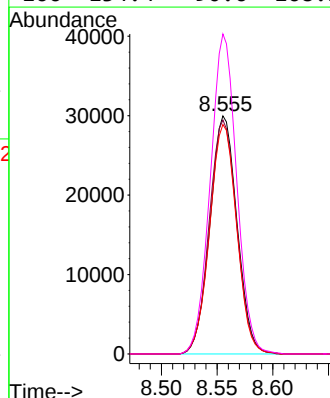
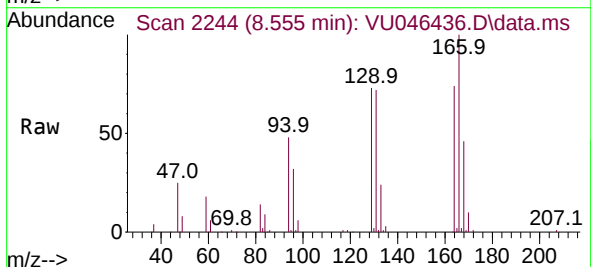
Instrument :
MSVOA_U
ClientSampleId :

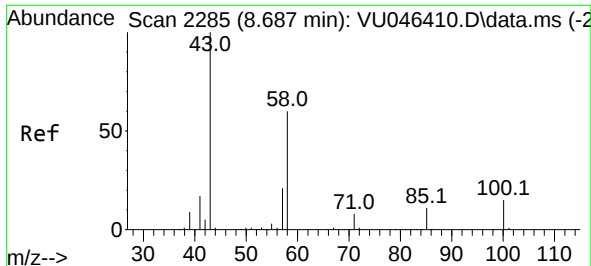
Tgt Ion: 97	Resp: 65903
Ion Ratio	Lower Upper
97 100	
99 63.0	44.7 82.9
83 84.4	60.2 111.8
85 54.8	39.3 73.1



#46
Tetrachloroethene
Concen: 57.765 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

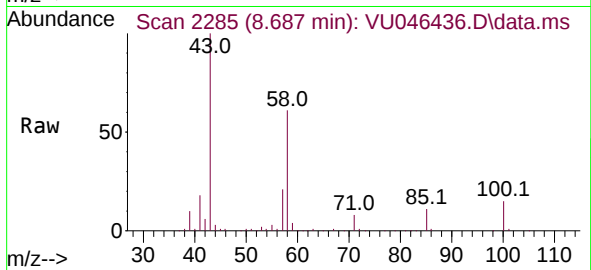
Tgt	Ion:164	Resp:	50783
Ion	Ratio	Lower	Upper
164	100		
129	98.3	71.1	132.1
131	96.4	67.8	126.0
166	134.4	90.6	168.2



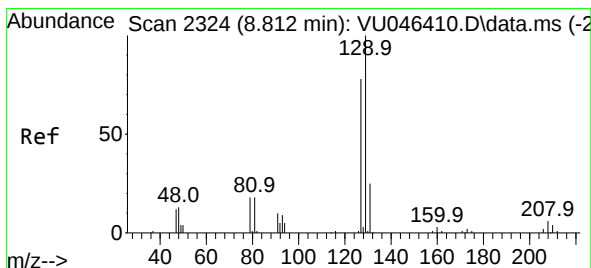
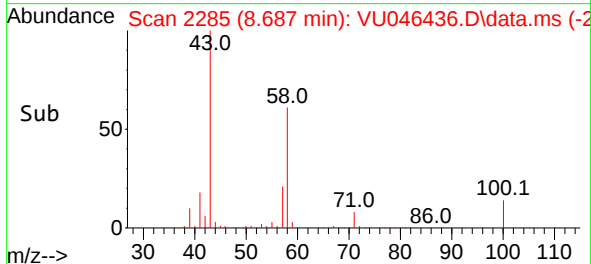
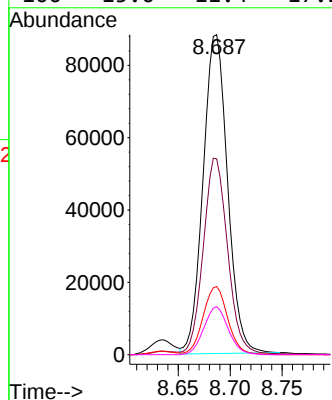


#48
2-Hexanone
Concen: 92.511 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

Instrument :
MSVOA_U
ClientSampleId :

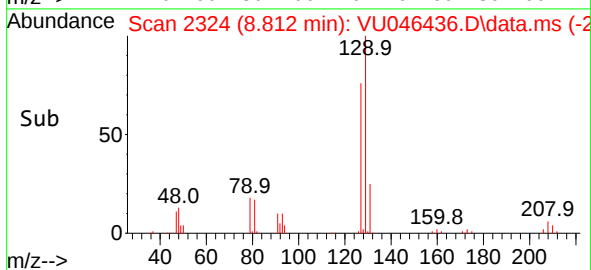
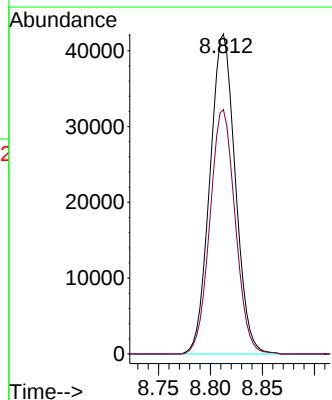
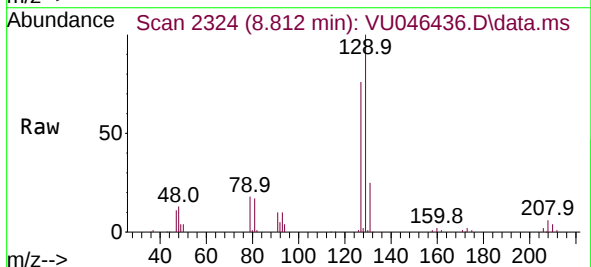


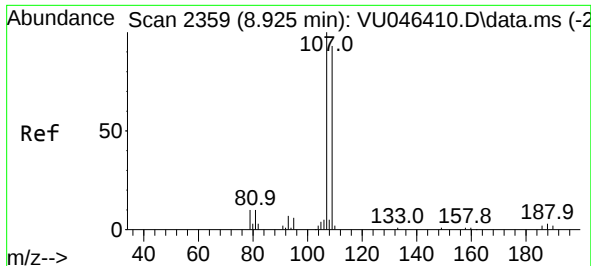
Tgt Ion:	43	Resp:	144599
Ion	Ratio	Lower	Upper
43	100		
58	61.7	47.4	71.2
57	21.6	16.6	25.0
100	15.0	11.4	17.2



#49
Dibromochloromethane
Concen: 57.355 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

Tgt Ion:	129	Resp:	71879
Ion	Ratio	Lower	Upper
129	100		
127	76.3	55.6	103.4





#50

1,2-Dibromoethane

Concen: 55.192 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

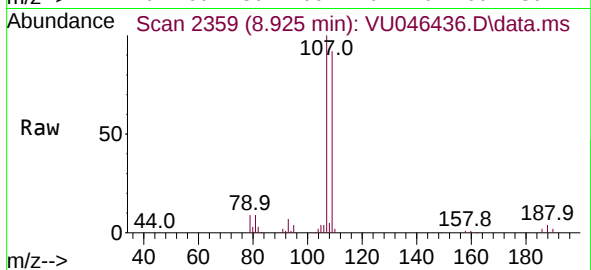
Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

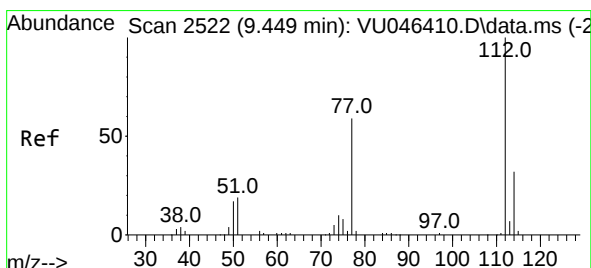
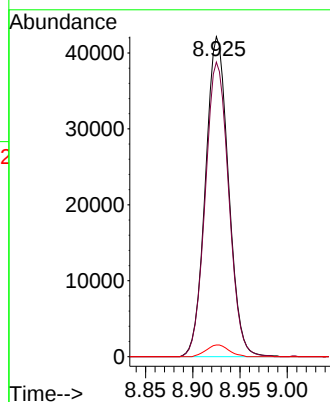
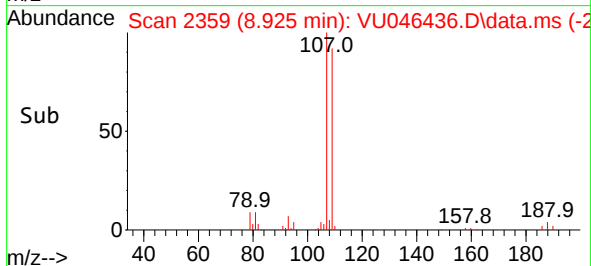
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	71412
Ion	Ratio	Lower	Upper
107	100		
109	92.0	64.9	120.5
188	3.7	2.6	3.8



#51

Chlorobenzene

Concen: 55.482 ug/L

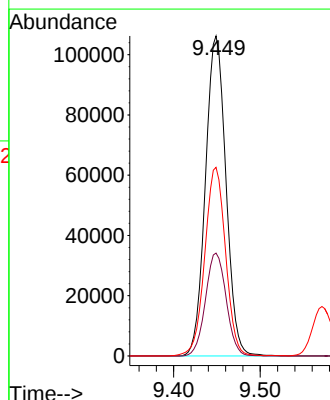
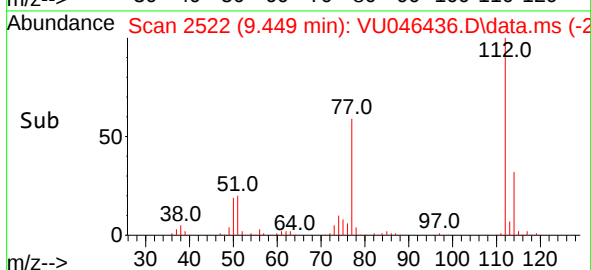
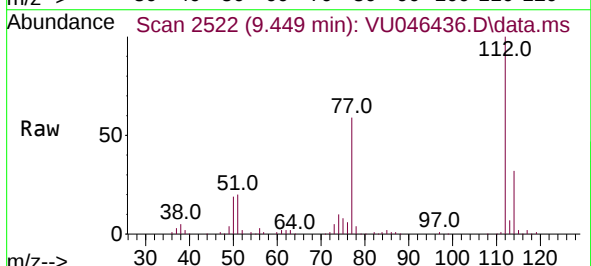
RT: 9.449 min Scan# 2522

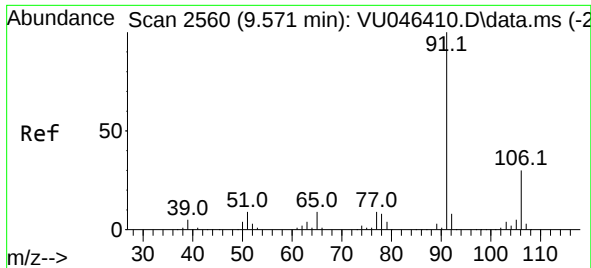
Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Tgt Ion:	112	Resp:	174900
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.2	41.2
77	59.0	47.4	71.0

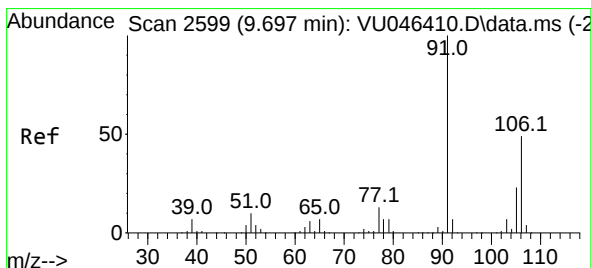
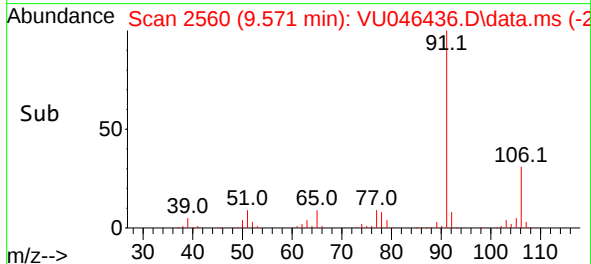
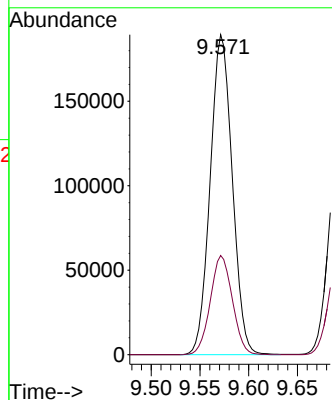
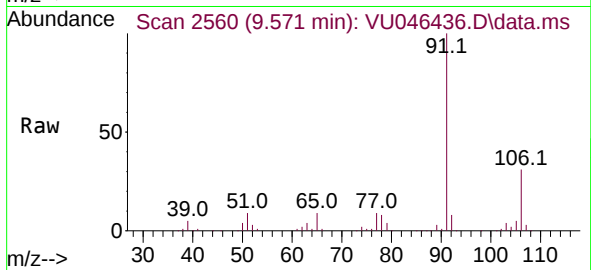




#52
Ethylbenzene
Concen: 57.009 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

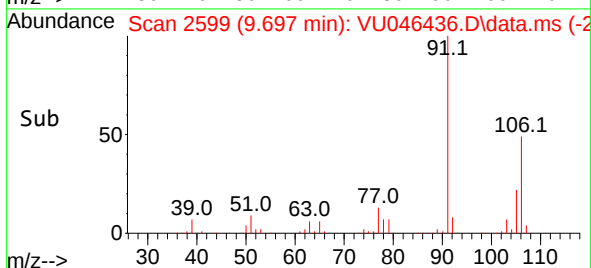
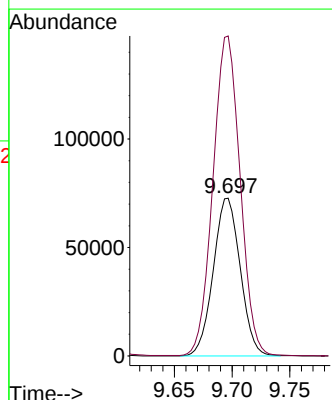
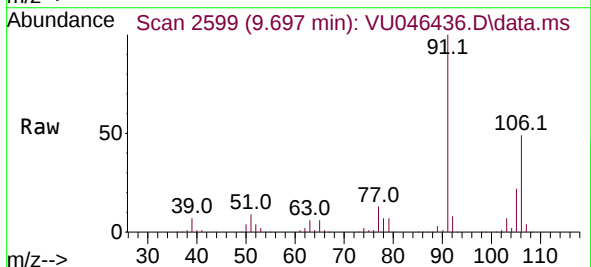
Instrument :
MSVOA_U
ClientSampleId :

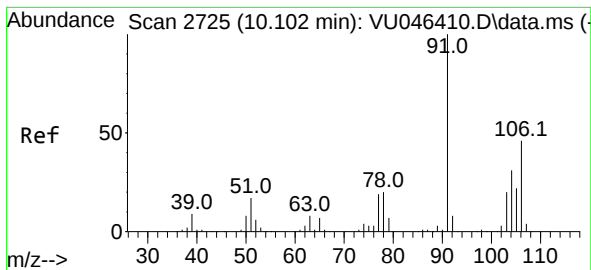
Tgt Ion: 91 Resp: 298957
Ion Ratio Lower Upper
91 100
106 31.0 21.1 39.3



#53
m,p-Xylene
Concen: 57.779 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

Tgt Ion:106 Resp: 118162
Ion Ratio Lower Upper
106 100
91 202.9 144.3 268.1





#54

o-xylene

Concen: 56.767 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Instrument :

MSVOA_U

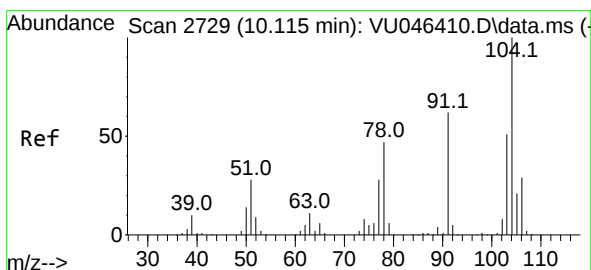
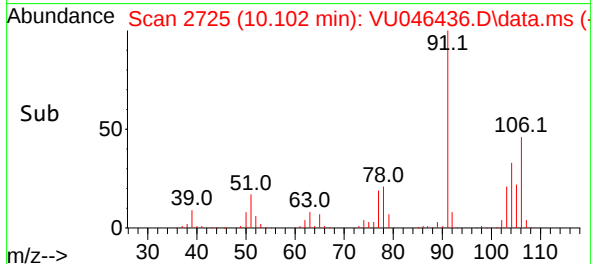
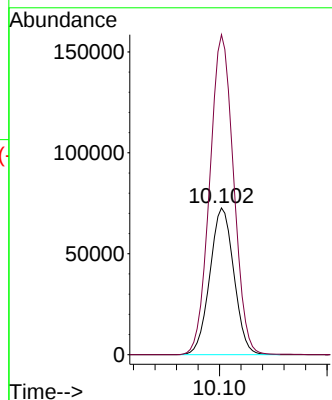
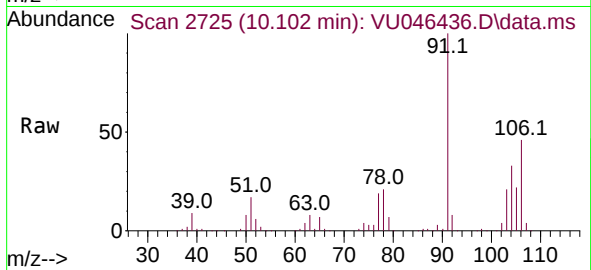
ClientSampleId :

Tgt Ion:106 Resp: 112648

Ion Ratio Lower Upper

106 100

91 218.1 154.2 286.4



#55

Styrene

Concen: 58.405 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU046436.D

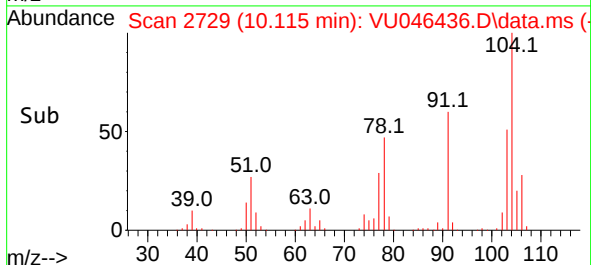
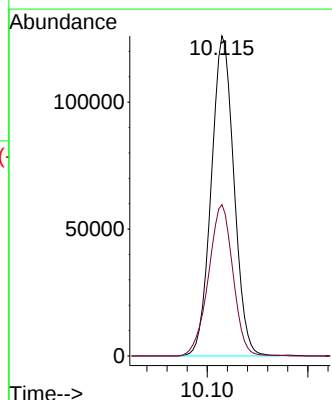
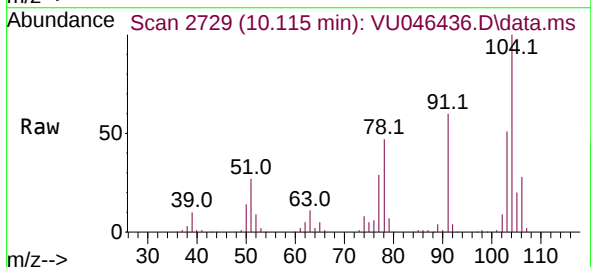
Acq: 16 Dec 2021 21:19

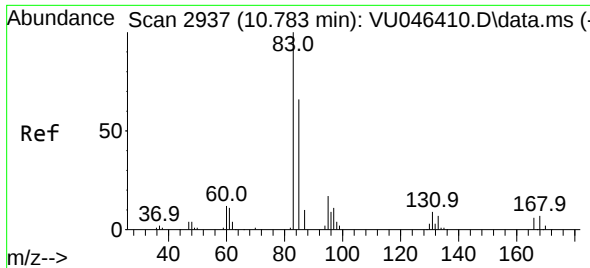
Tgt Ion:104 Resp: 197874

Ion Ratio Lower Upper

104 100

78 47.3 32.6 60.5



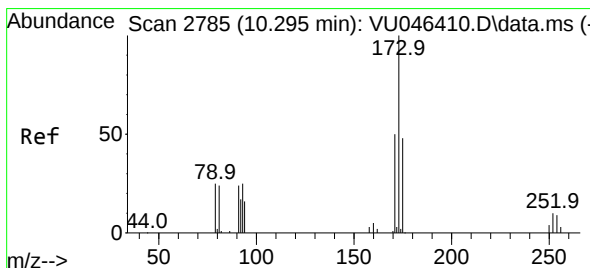
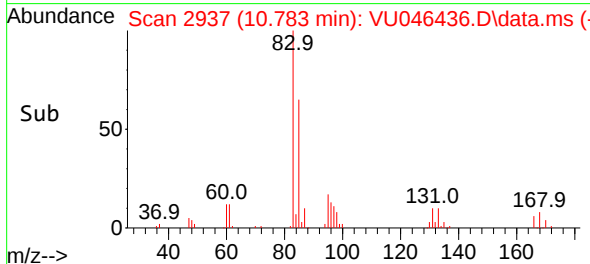
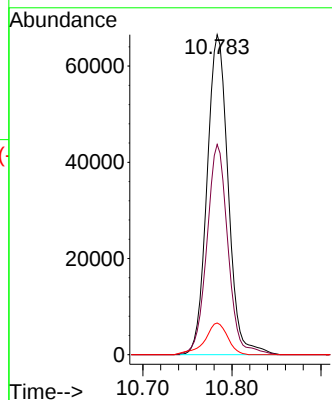
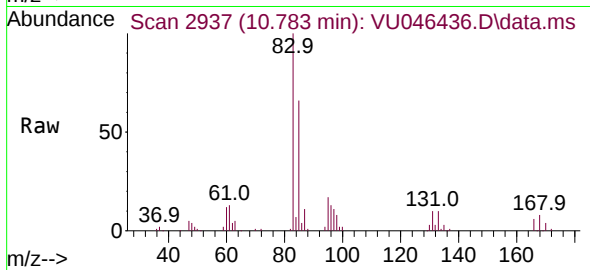


#57
 1,1,2,2-Tetrachloroethane
 Concen: 53.511 ug/L
 RT: 10.783 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VU046436.D
 Acq: 16 Dec 2021 21:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 83 Resp: 109487

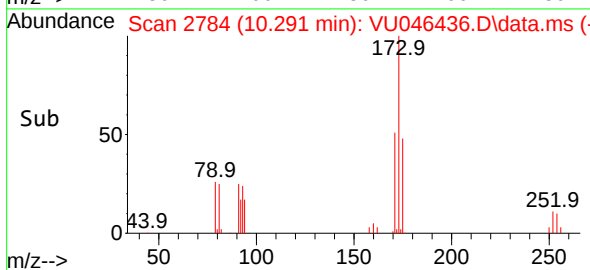
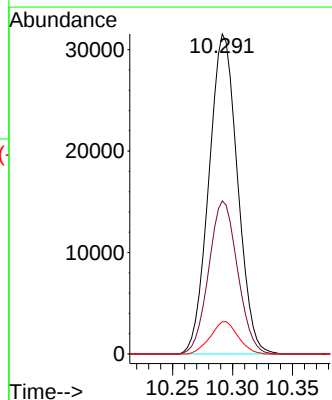
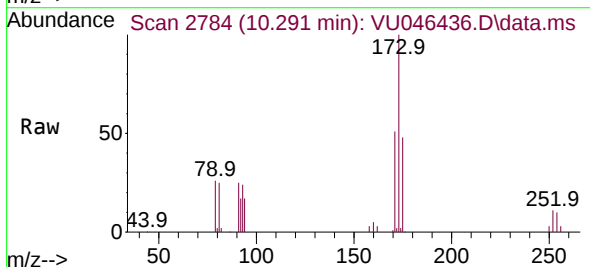
Ion	Ratio	Lower	Upper
83	100		
85	65.7	45.6	84.6
131	9.9	7.8	11.6

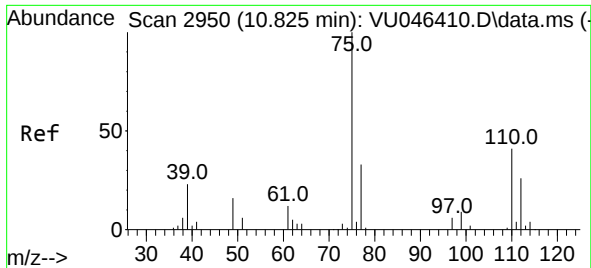


#59
 Bromoform
 Concen: 53.543 ug/L
 RT: 10.291 min Scan# 2784
 Delta R.T. -0.003 min
 Lab File: VU046436.D
 Acq: 16 Dec 2021 21:19

Tgt Ion: 173 Resp: 52269

Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.2	58.8
254	9.8	7.4	11.2

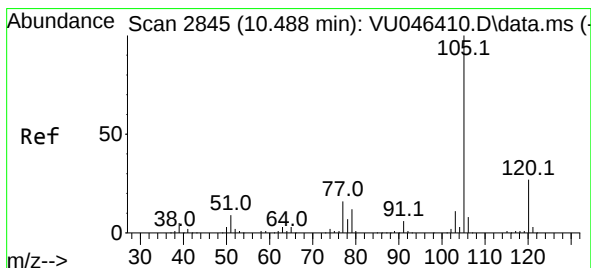
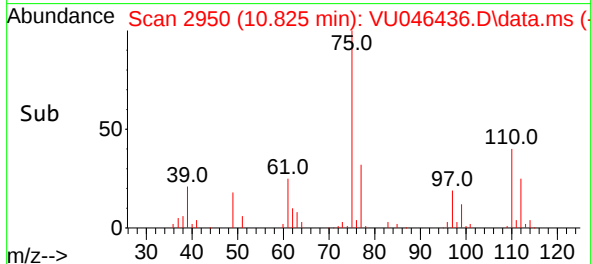
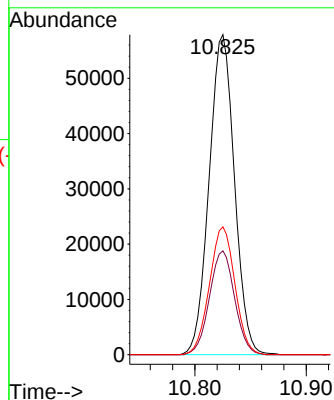
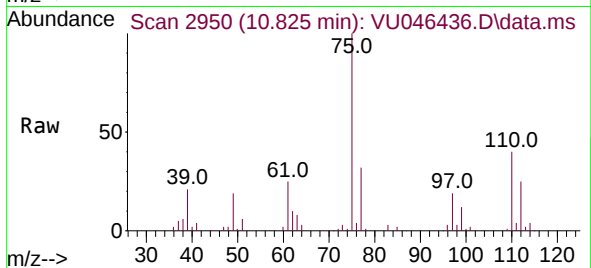




#60
1,2,3-Trichloropropane
Concen: 50.151 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

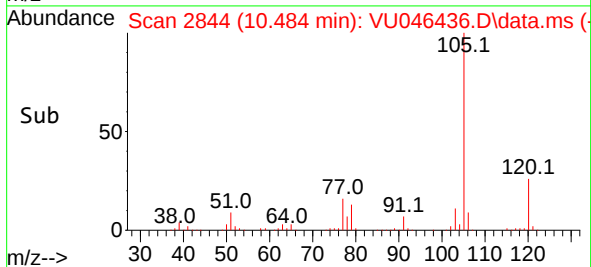
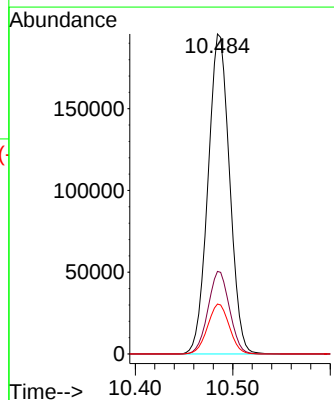
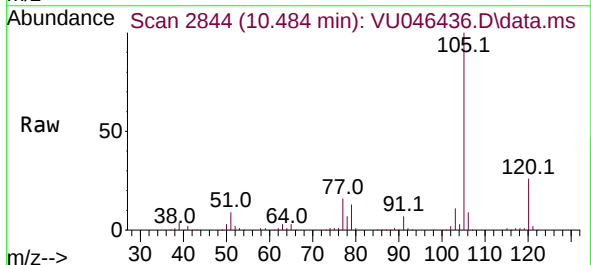
Instrument :
MSVOA_U
ClientSampleId :

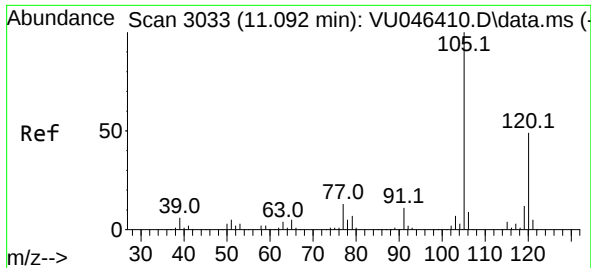
Tgt Ion:	75	Resp:	91483
Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.4	39.6
110	40.1	32.4	48.6



#61
Isopropylbenzene
Concen: 55.511 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046436.D
Acq: 16 Dec 2021 21:19

Tgt Ion:	105	Resp:	300551
Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.7	31.1
77	15.7	12.2	18.4

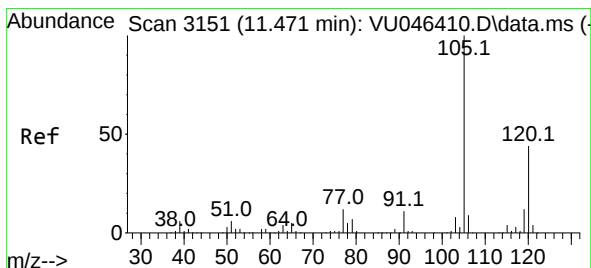
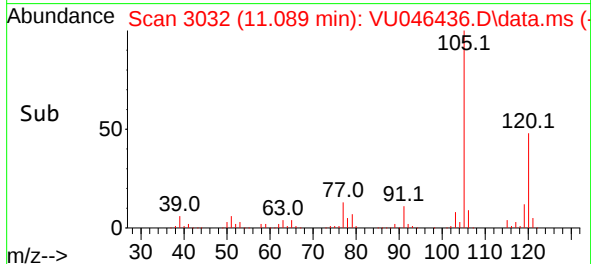
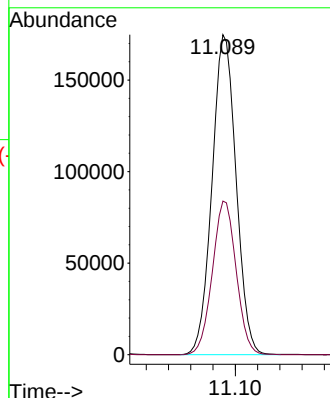
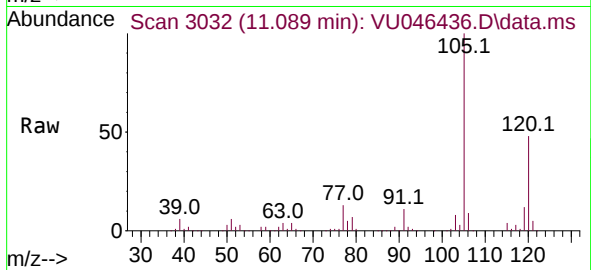




#62
 1,3,5-Trimethylbenzene
 Concen: 58.040 ug/L
 RT: 11.089 min Scan# 3033
 Delta R.T. -0.003 min
 Lab File: VU046436.D
 Acq: 16 Dec 2021 21:19

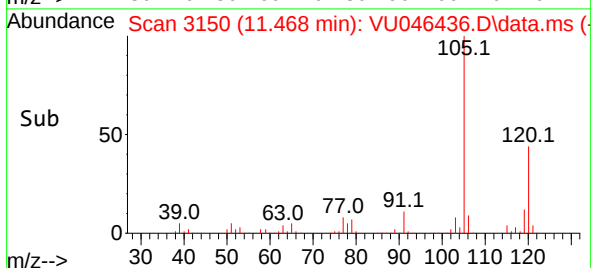
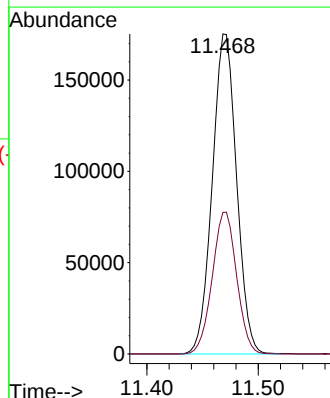
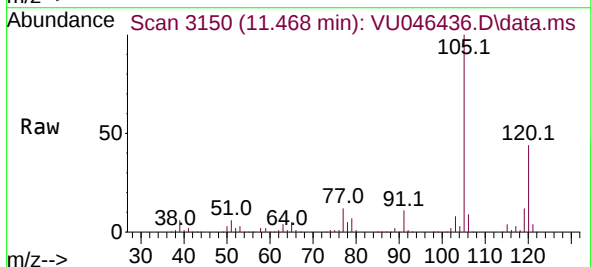
Instrument :
 MSVOA_U
 ClientSampleId :

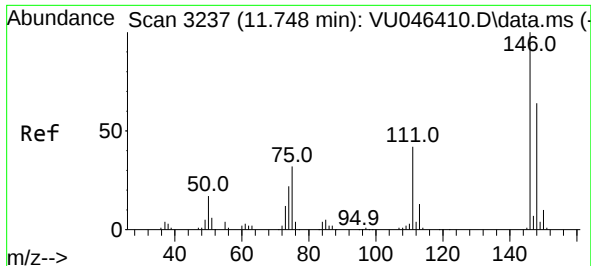
Tgt Ion:105 Resp: 261927
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 58.829 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: VU046436.D
 Acq: 16 Dec 2021 21:19

Tgt Ion:105 Resp: 265619
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.2 52.8

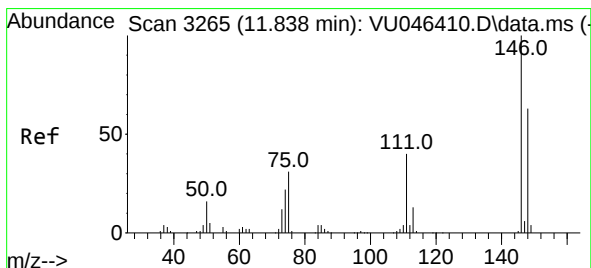
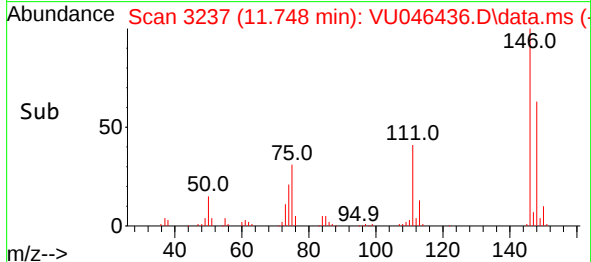
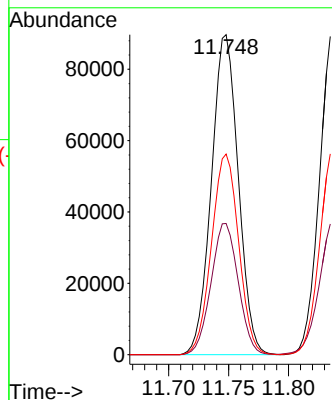
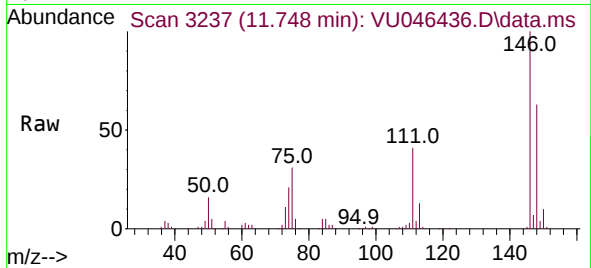




#64
 1,3-Dichlorobenzene
 Concen: 54.297 ug/L
 RT: 11.748 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU046436.D
 Acq: 16 Dec 2021 21:19

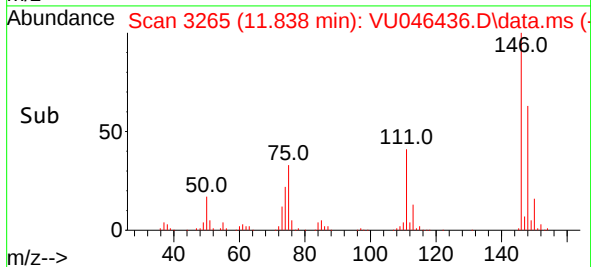
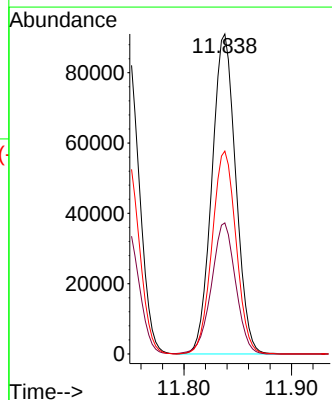
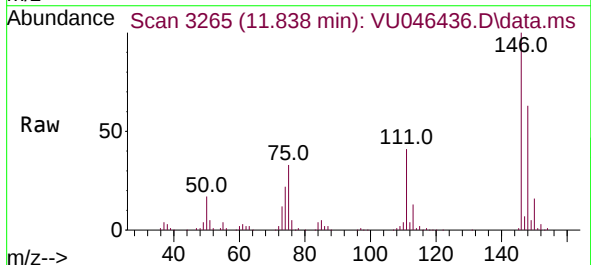
Instrument :
 MSVOA_U
 ClientSampleId :

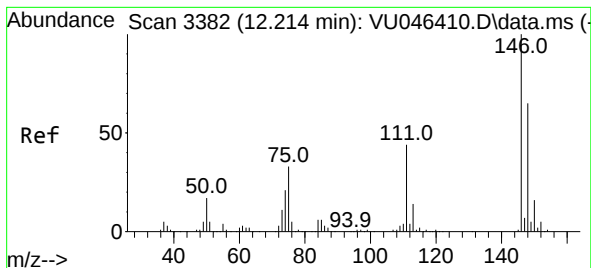
Tgt Ion:146 Resp: 139644
 Ion Ratio Lower Upper
 146 100
 111 41.0 29.5 54.9
 148 62.7 45.9 85.3



#65
 1,4-Dichlorobenzene
 Concen: 52.869 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. -0.000 min
 Lab File: VU046436.D
 Acq: 16 Dec 2021 21:19

Tgt Ion:146 Resp: 140526
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.3 52.7
 148 63.4 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 53.131 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Instrument :

MSVOA_U

ClientSampleId :

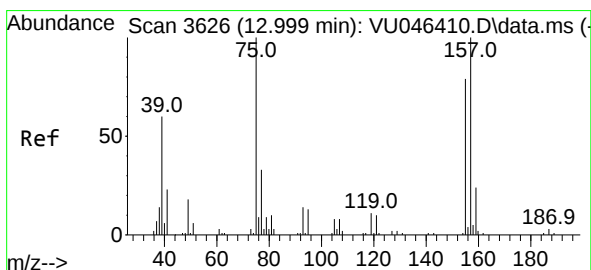
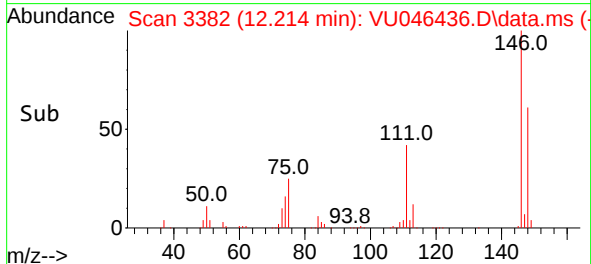
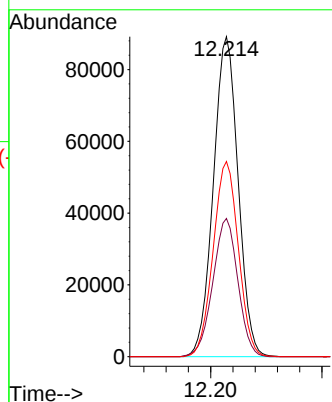
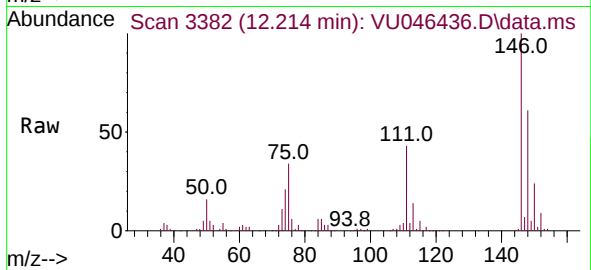
Tgt Ion:146 Resp: 137607

Ion Ratio Lower Upper

146 100

111 43.2 35.7 53.5

148 61.0 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 58.195 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

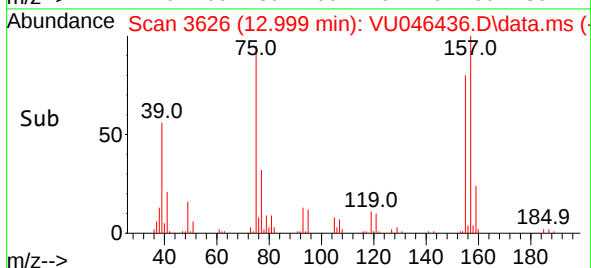
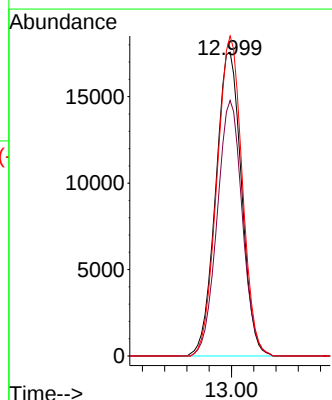
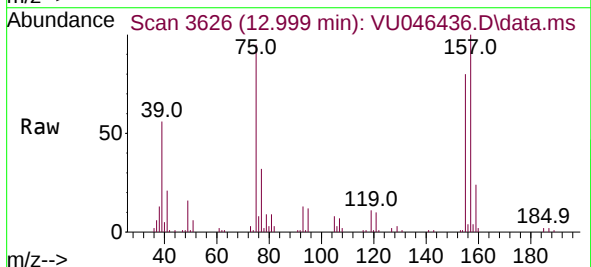
Tgt Ion: 75 Resp: 28280

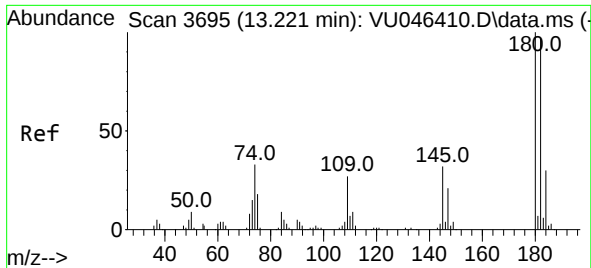
Ion Ratio Lower Upper

75 100

155 84.1 64.9 97.3

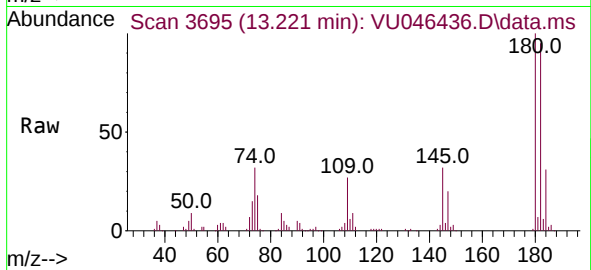
157 105.3 81.9 122.9



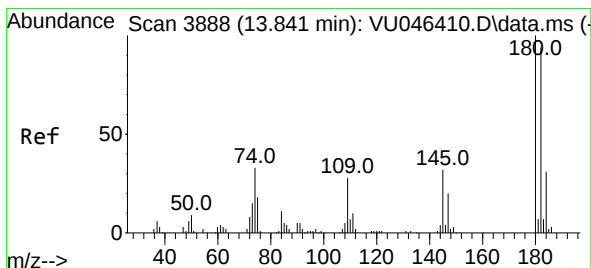
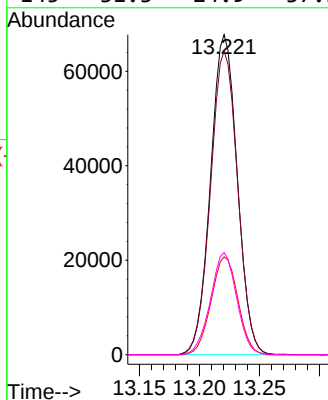
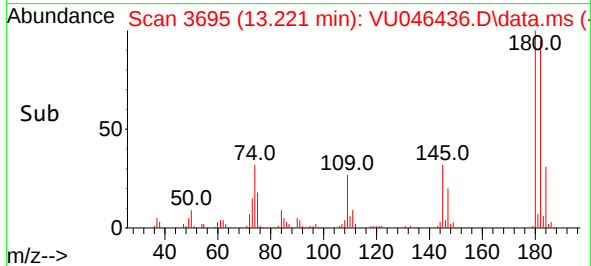


#69
 1,3,5-Trichlorobenzene
 Concen: 56.027 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU046436.D
 Acq: 16 Dec 2021 21:19

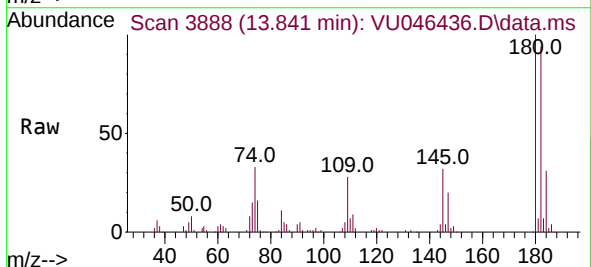
Instrument :
 MSVOA_U
 ClientSampleId :



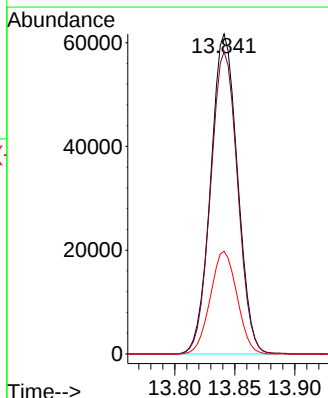
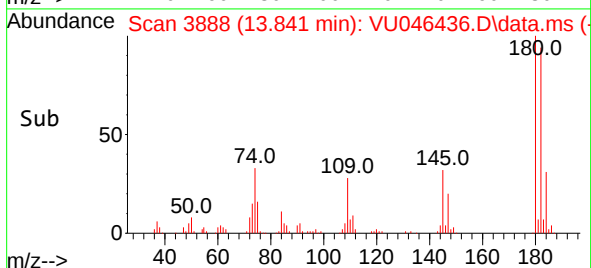
Tgt Ion:180 Resp: 104992
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.9 113.9
 184 30.7 24.2 36.4
 145 31.3 24.9 37.3

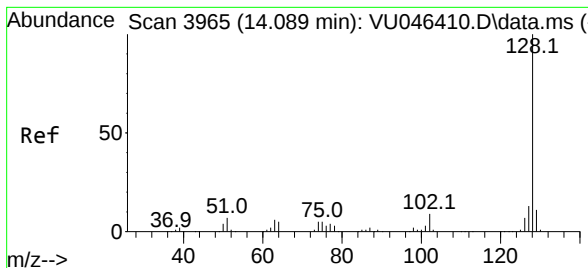


#70
 1,2,4-trichlorobenzene
 Concen: 57.738 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU046436.D
 Acq: 16 Dec 2021 21:19



Tgt Ion:180 Resp: 96015
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.7 115.1
 145 31.9 26.0 39.0





#71

Naphthalene

Concen: 61.545 ug/L

RT: 14.085 min Scan# 3965

Delta R.T. -0.003 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Instrument :

MSVOA_U

ClientSampleId :

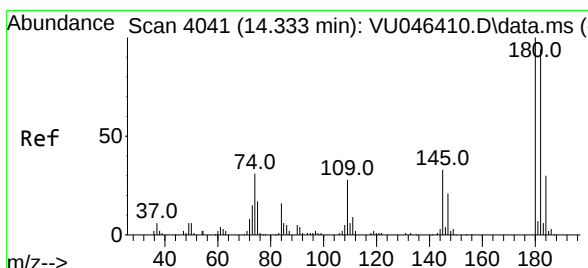
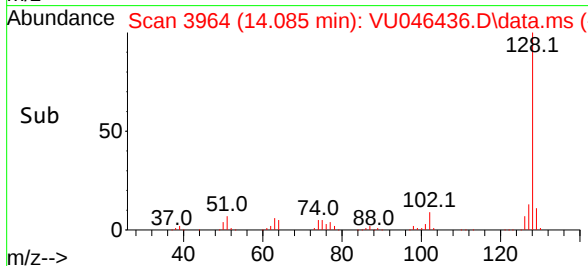
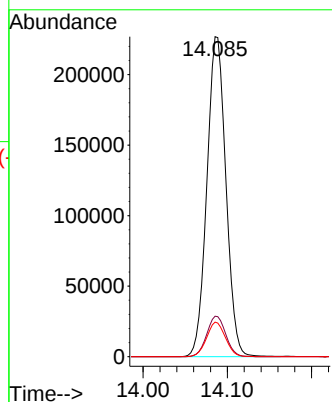
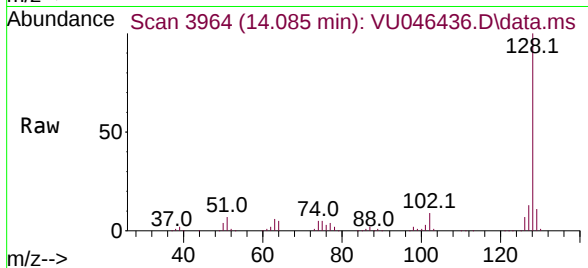
Tgt Ion:128 Resp: 356146

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 60.199 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.003 min

Lab File: VU046436.D

Acq: 16 Dec 2021 21:19

Tgt Ion:180 Resp: 102083

Ion Ratio Lower Upper

180 100

182 94.9 76.0 114.0

145 33.8 27.3 40.9

