

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120321\
 Data File : VU046076.D
 Acq On : 03 Dec 2021 16:10
 Operator : SY/MD
 Sample : M4869-03MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESQN3MS

Quant Time: Dec 04 03:07:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	220542	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	216352	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	114050	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	57673	31.746	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.500%
7) Chloroethane-d5	1.919	69	48679	34.899	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.800%#
11) 1,1-Dichloroethene-d2	2.575	63	121099	37.132	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.260%
21) 2-Butanone-d5	4.636	46	134322	93.008	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.010%
24) Chloroform-d	5.067	84	134548	44.349	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.700%
26) 1,2-Dichloroethane-d4	5.703	65	88978	43.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.400%
32) Benzene-d6	5.729	84	259621	41.867	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.740%
36) 1,2-Dichloropropane-d6	6.693	67	86526	45.023	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.040%
41) Toluene-d8	7.899	98	236945	41.967	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.940%
43) trans-1,3-Dichloroprop...	8.179	79	41325	44.545	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.080%
47) 2-Hexanone-d5	8.632	63	94699	103.928	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.930%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	138017	47.355	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.720%
66) 1,2-Dichlorobenzene-d4	12.195	152	99721	45.402	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	104062	43.369	ug/L	100
3) Chloromethane	1.520	50	91961	42.849	ug/L	98
5) Vinyl chloride	1.607	62	102578	47.403	ug/L	100
6) Bromomethane	1.861	94	56752	46.271	ug/L	95
8) Chloroethane	1.938	64	53336	42.569	ug/L	99
9) Trichlorofluoromethane	2.144	101	120297	42.580	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	72439	45.140	ug/L	96
12) 1,1-Dichloroethene	2.584	96	71025	46.576	ug/L	88
13) Acetone	2.652	43	81598	45.208	ug/L	99
14) Carbon disulfide	2.797	76	212436	44.902	ug/L	100
15) Methyl Acetate	2.957	43	89798	42.678	ug/L	98
16) Methylene chloride	3.051	84	80968	44.628	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	76492	47.400	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	246643	49.593	ug/L	99
19) 1,1-Dichloroethane	3.874	63	141449	48.207	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	86036	49.134	ug/L	100
22) 2-Butanone	4.713	43	131782	67.070	ug/L	98
23) Bromochloromethane	4.976	128	44527	50.349	ug/L	88
25) Chloroform	5.092	83	147815	45.341	ug/L	98

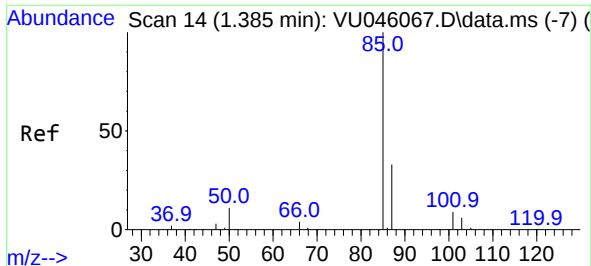
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120321\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	111971	46.285	ug/L	99
29) Cyclohexane	5.391	56	122151	48.487	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	126102	47.483	ug/L	100
31) Carbon tetrachloride	5.526	117	107736	47.785	ug/L	97
33) Benzene	5.777	78	318008	48.565	ug/L	100
34) Trichloroethene	6.542	95	81543	47.270	ug/L	99
35) Methylcyclohexane	6.767	83	128872	48.180	ug/L	98
37) 1,2-Dichloropropane	6.793	63	84165	49.066	ug/L	99
38) Bromodichloromethane	7.108	83	107853	47.305	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	134858	51.679	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	241464	95.810	ug/L	99
42) Toluene	7.970	91	349528	49.746	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	127707	49.828	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	83455	48.494	ug/L	97
46) Tetrachloroethene	8.555	164	63635	50.197	ug/L	96
48) 2-Hexanone	8.687	43	189646	84.141	ug/L	99
49) Dibromochloromethane	8.812	129	90008	49.806	ug/L	98
50) 1,2-Dibromoethane	8.925	107	91233	48.898	ug/L	99
51) Chlorobenzene	9.449	112	220682	48.547	ug/L	99
52) Ethylbenzene	9.571	91	378257	50.022	ug/L	98
53) m,p-Xylene	9.693	106	148764	50.445	ug/L	99
54) o-xylene	10.102	106	144200	50.393	ug/L	96
55) Styrene	10.115	104	249969	51.166	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	139359	47.234	ug/L	99
59) Bromoform	10.291	173	64031	47.858	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	114646	45.857	ug/L	99
61) Isopropylbenzene	10.484	105	382649	51.566	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	328380	53.092	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	326980	52.840	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	174310	49.452	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	177591	48.750	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	175450	49.428	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	31919	47.925	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	128524	50.042	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	117435	51.526	ug/L	99
71) Naphthalene	14.085	128	432080	54.480	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	120451	51.826	ug/L	99

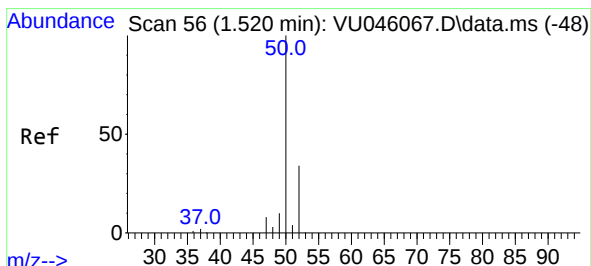
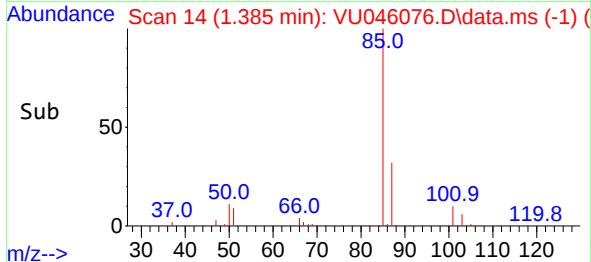
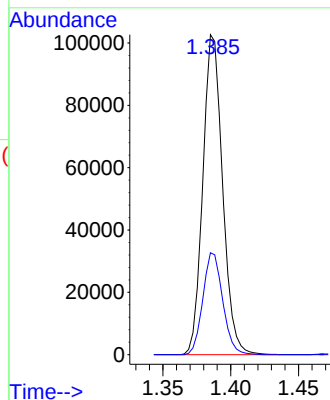
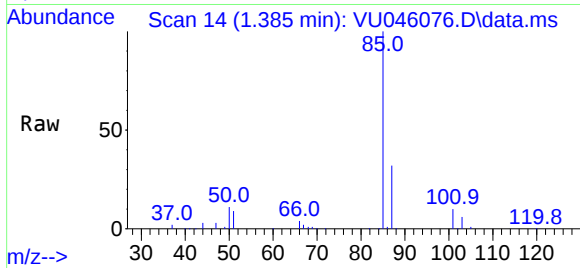
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 43.369 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

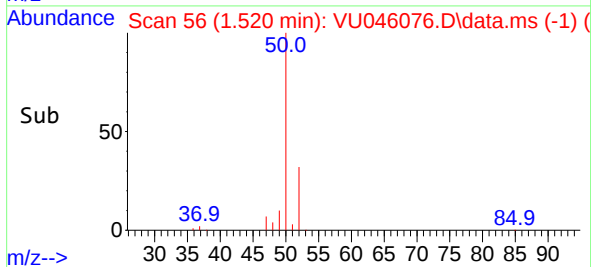
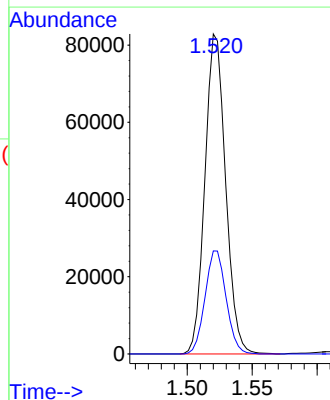
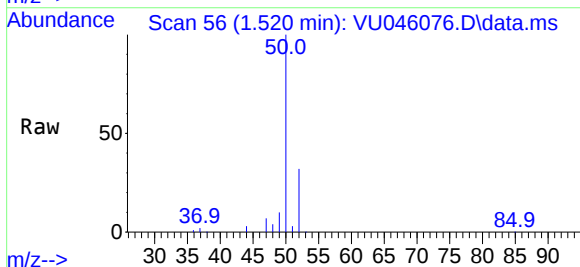
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

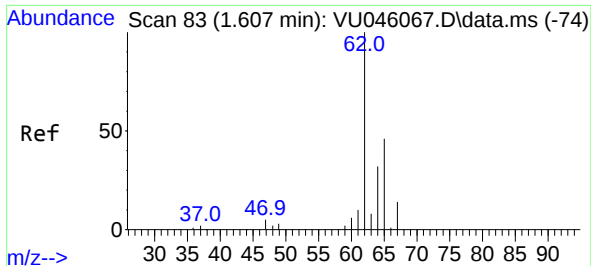
Tgt Ion: 85 Resp: 104062
Ion Ratio Lower Upper
85 100
87 32.0 25.7 38.5



#3
Chloromethane
Concen: 42.849 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 50 Resp: 91961
Ion Ratio Lower Upper
50 100
52 32.2 23.2 43.2

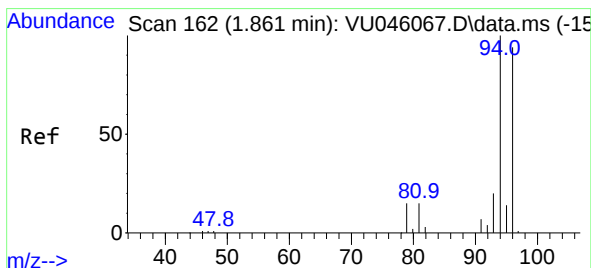
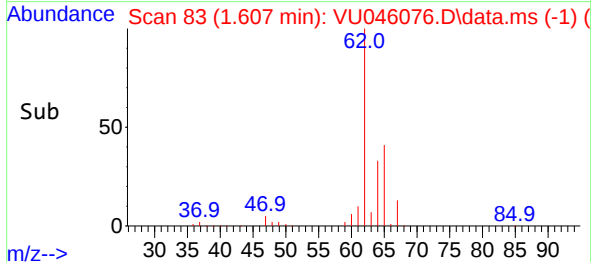
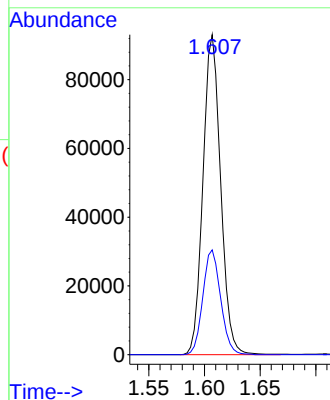
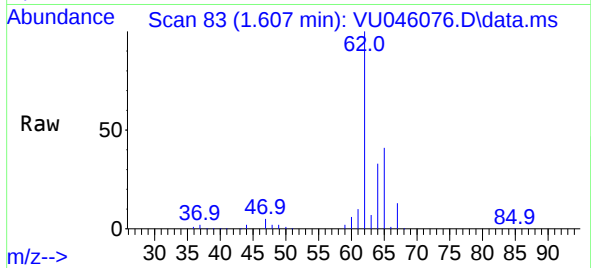




#5
 Vinyl chloride
 Concen: 47.403 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU046076.D
 Acq: 03 Dec 2021 16:10

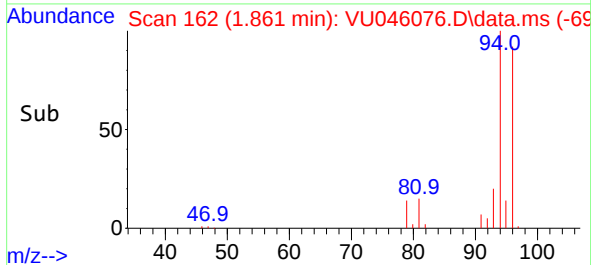
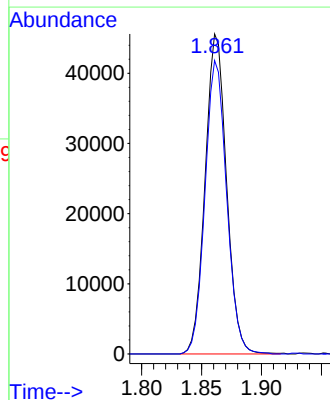
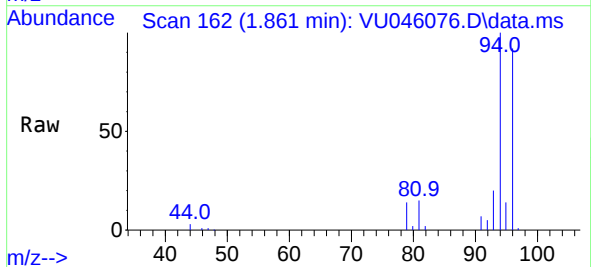
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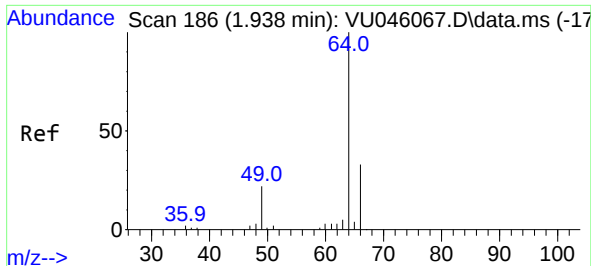
Tgt Ion: 62 Resp: 102578
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.9 42.5



#6
 Bromomethane
 Concen: 46.271 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.000 min
 Lab File: VU046076.D
 Acq: 03 Dec 2021 16:10

Tgt Ion: 94 Resp: 56752
 Ion Ratio Lower Upper
 94 100
 96 91.7 67.4 125.2

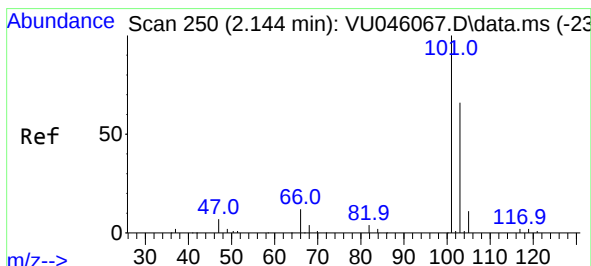
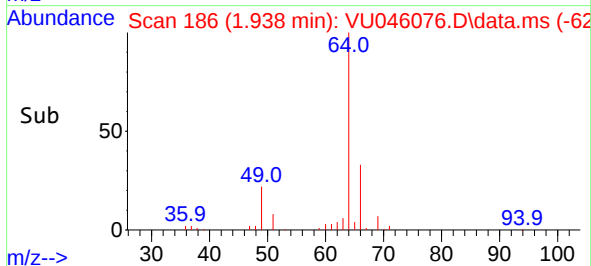
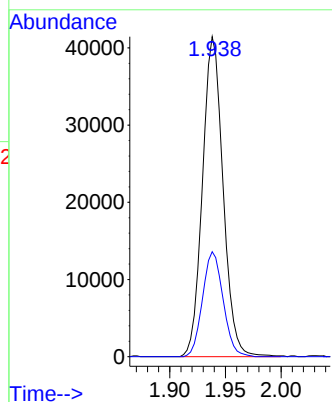
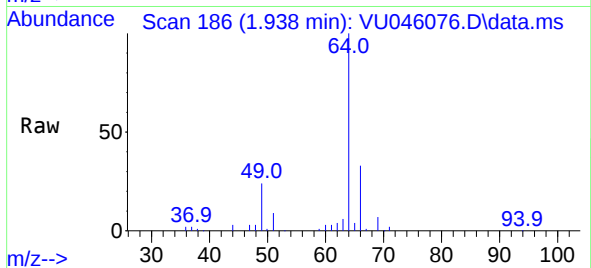




#8
Chloroethane
Concen: 42.569 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

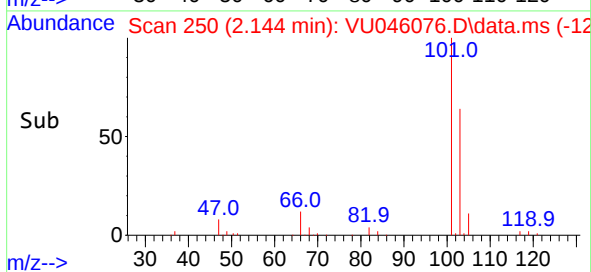
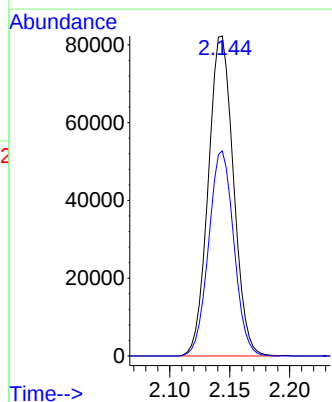
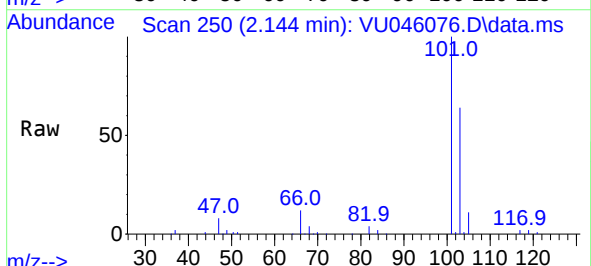
Instrument :
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ClientSampleId :
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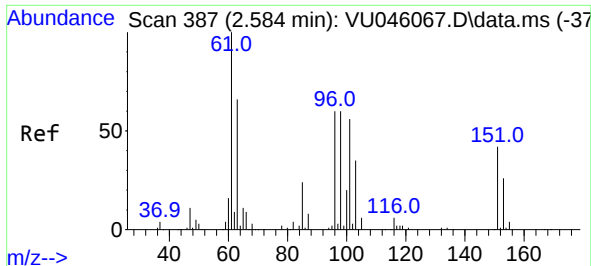
Tgt Ion: 64 Resp: 53336
Ion Ratio Lower Upper
64 100
66 32.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 42.580 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion:101 Resp: 120297
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.6

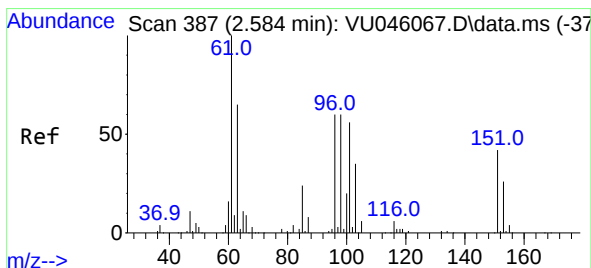
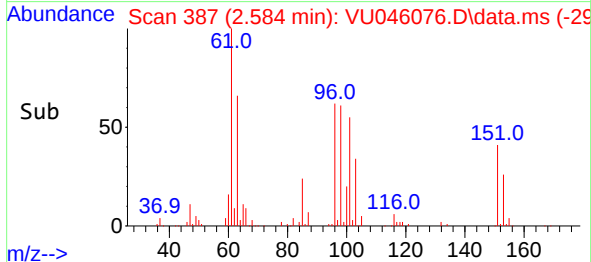
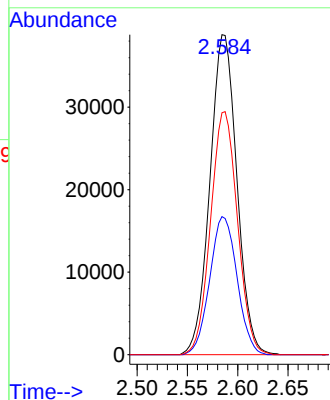
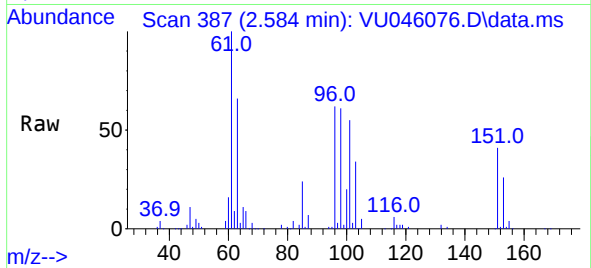




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.140 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

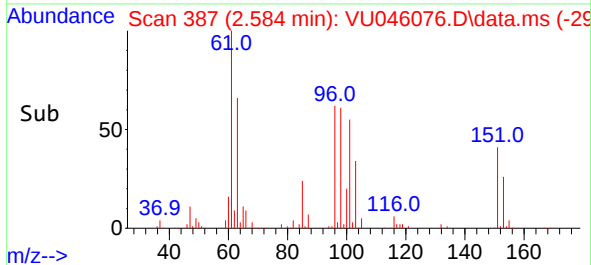
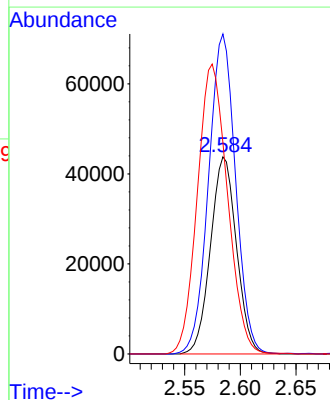
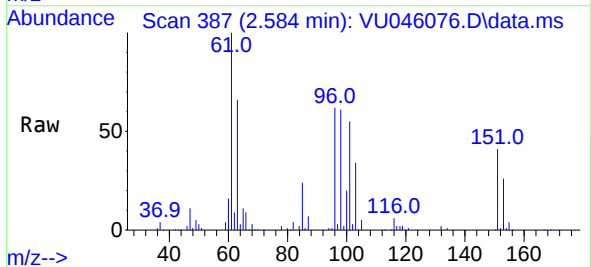
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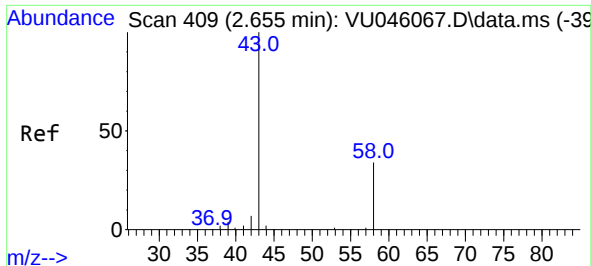
Tgt Ion:101 Resp: 72439
Ion Ratio Lower Upper
101 100
85 43.7 35.1 52.7
151 75.7 56.7 85.1



#12
1,1-Dichloroethene
Concen: 46.576 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 96 Resp: 71025
Ion Ratio Lower Upper
96 100
61 162.4 118.6 220.2
63 107.2 93.0 172.8





#13

Acetone

Concen: 45.208 ug/L

RT: 2.652 min Scan# 409

Delta R.T. -0.010 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

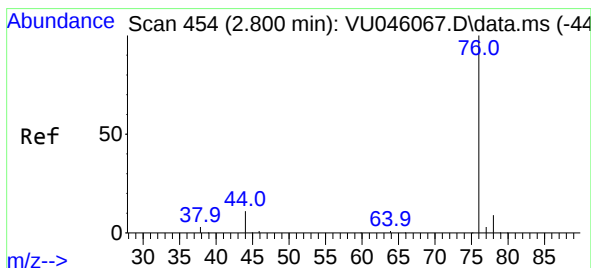
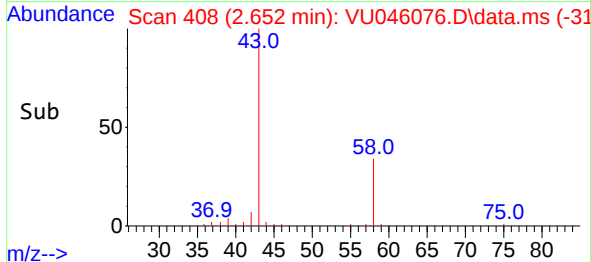
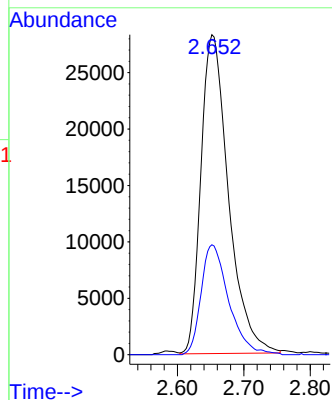
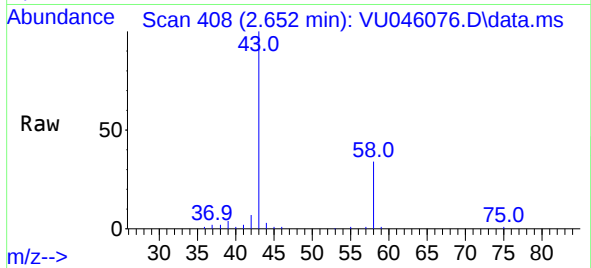
ESQN3MS

Tgt Ion: 43 Resp: 81598

Ion Ratio Lower Upper

43 100

58 33.9 0.0 66.8



#14

Carbon disulfide

Concen: 44.902 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.003 min

Lab File: VU046076.D

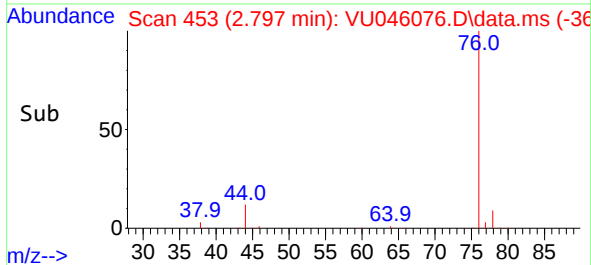
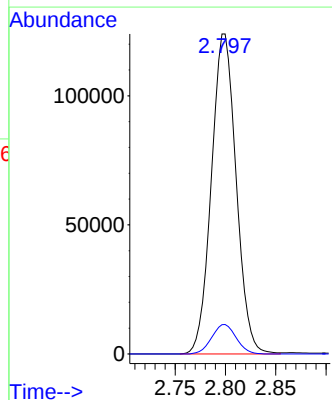
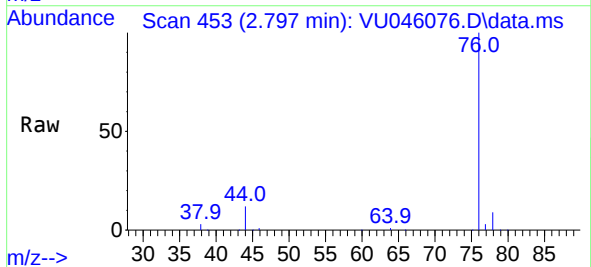
Acq: 03 Dec 2021 16:10

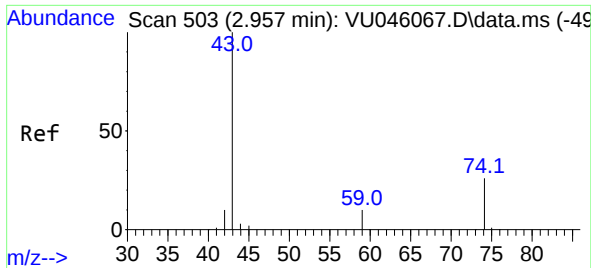
Tgt Ion: 76 Resp: 212436

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

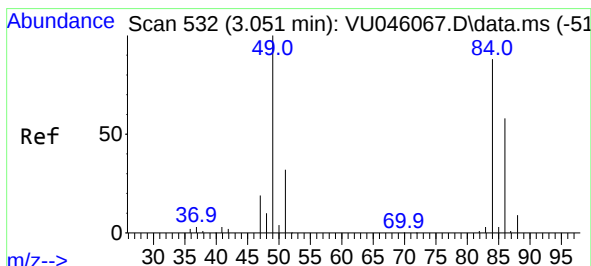
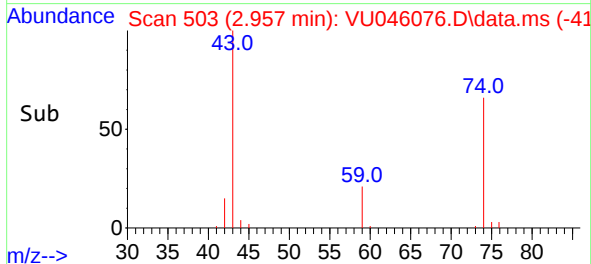
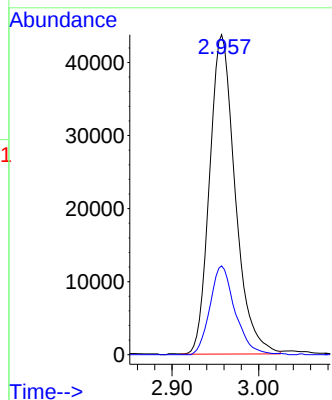
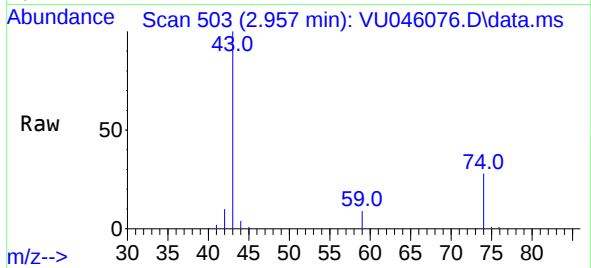




#15
Methyl Acetate
Concen: 42.678 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

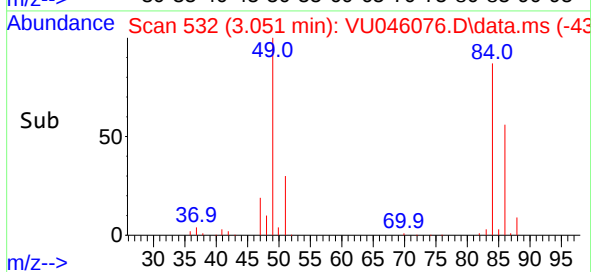
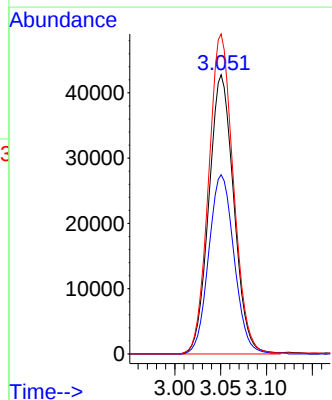
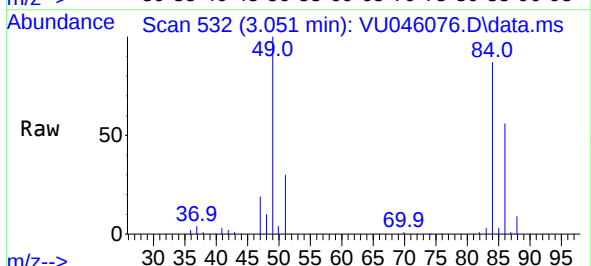
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

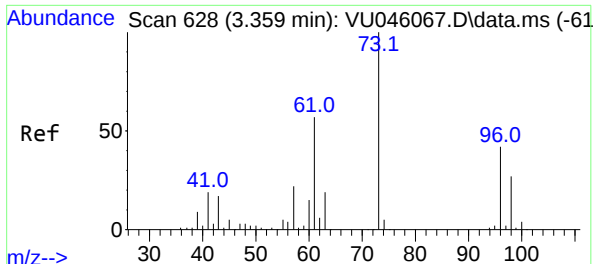
Tgt Ion: 43 Resp: 89798
Ion Ratio Lower Upper
43 100
74 27.2 20.8 31.2



#16
Methylene chloride
Concen: 44.628 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 84 Resp: 80968
Ion Ratio Lower Upper
84 100
86 64.2 44.7 83.1
49 114.6 78.4 145.6

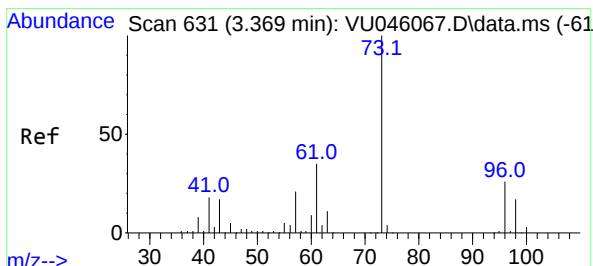
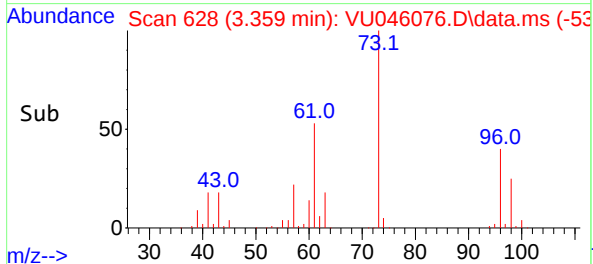
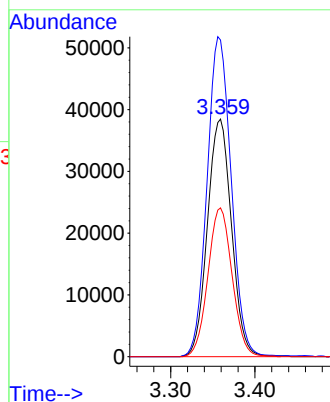
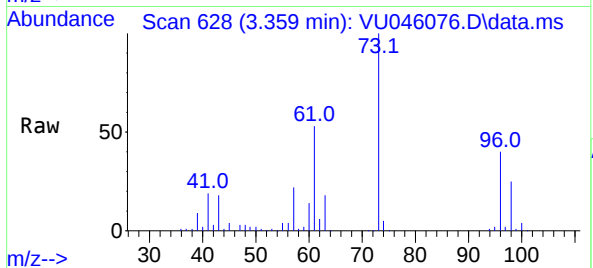




#17
trans-1,2-Dichloroethene
Concen: 47.400 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

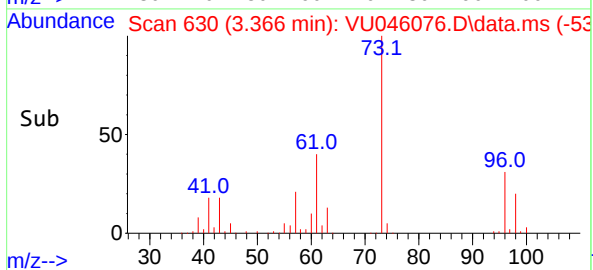
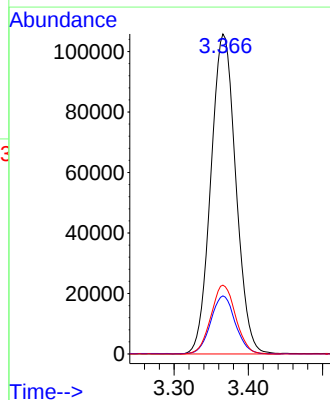
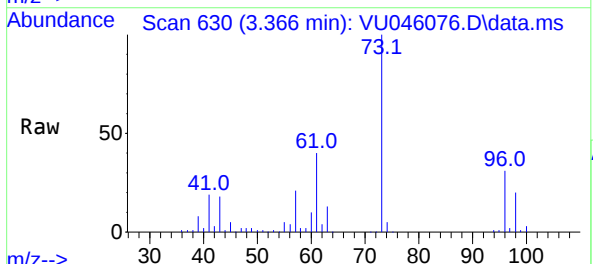
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

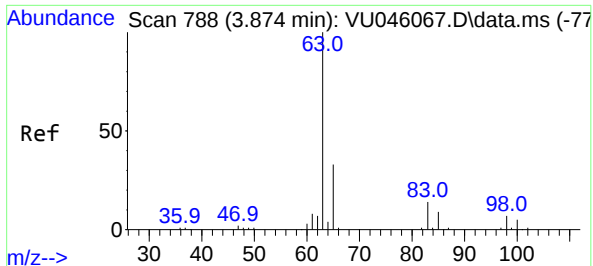
Tgt Ion: 96 Resp: 76492
Ion Ratio Lower Upper
96 100
61 133.3 94.6 175.6
98 62.6 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 49.593 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 73 Resp: 246643
Ion Ratio Lower Upper
73 100
43 17.9 14.0 21.0
57 21.3 17.0 25.4

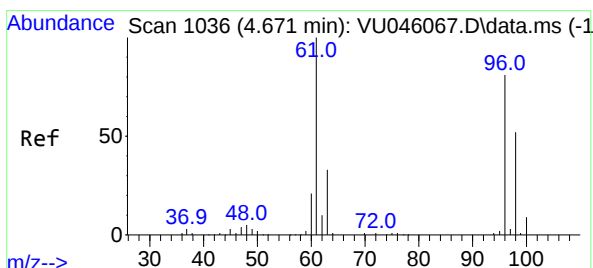
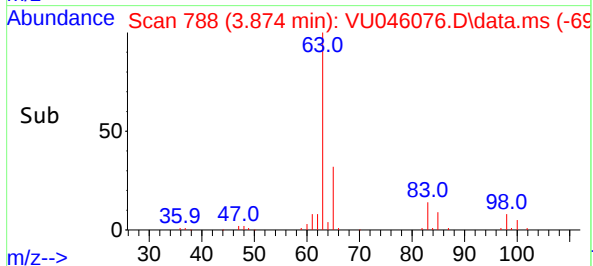
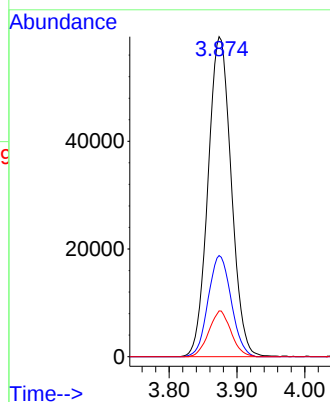
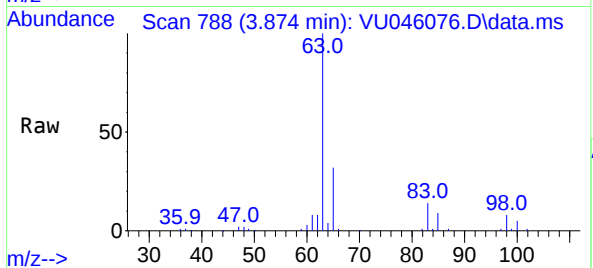




#19
1,1-Dichloroethane
Concen: 48.207 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

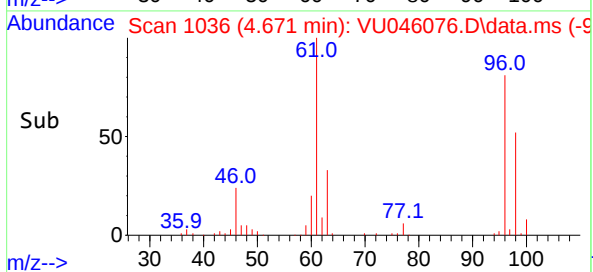
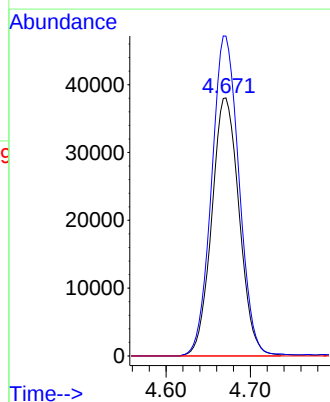
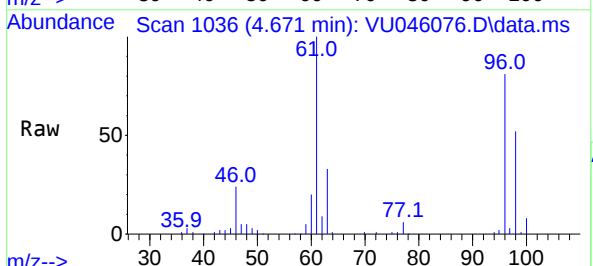
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

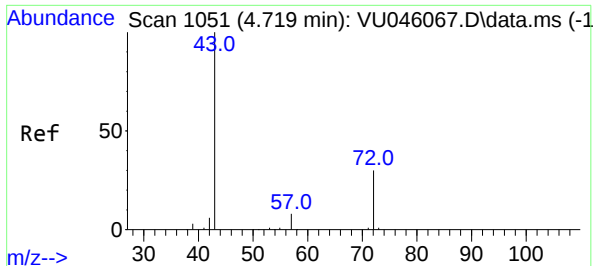
Tgt Ion: 63 Resp: 141449
Ion Ratio Lower Upper
63 100
65 31.6 22.8 42.4
83 14.3 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 49.134 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 96 Resp: 86036
Ion Ratio Lower Upper
96 100
61 123.9 86.8 161.2
68 0.0 0.0 0.0

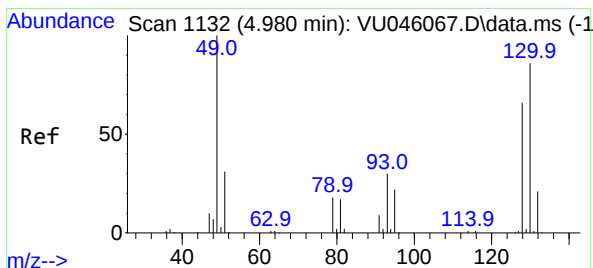
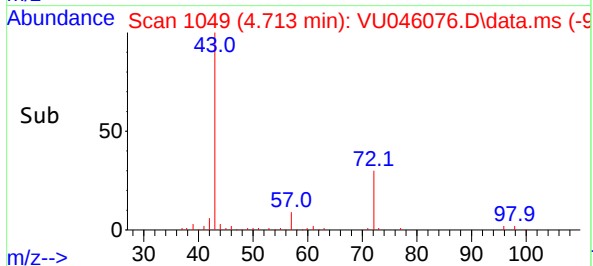
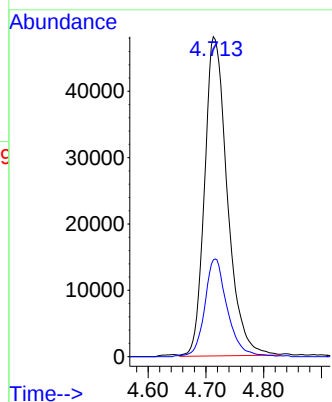
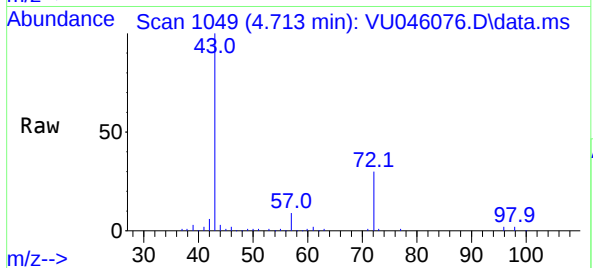




#22
2-Butanone
Concen: 67.070 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. -0.010 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

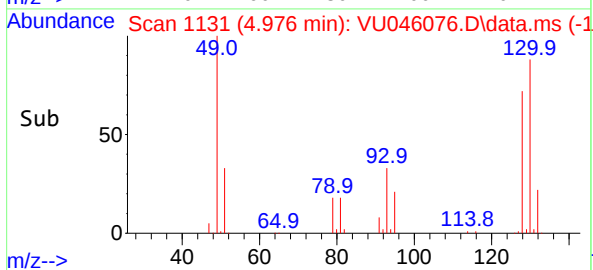
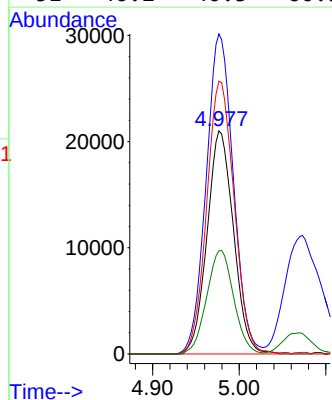
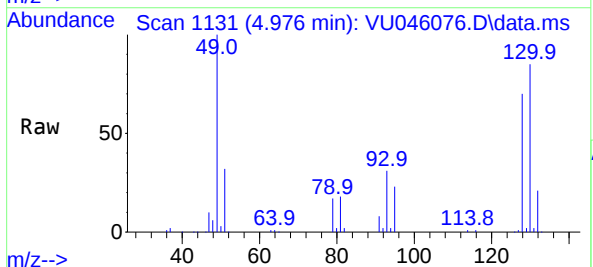
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

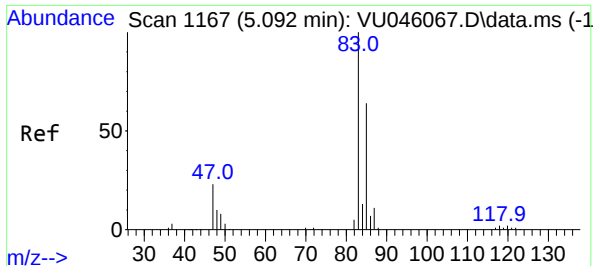
Tgt Ion: 43 Resp: 131782
Ion Ratio Lower Upper
43 100
72 30.4 14.5 43.6



#23
Bromochloromethane
Concen: 50.349 ug/L
RT: 4.976 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion:128 Resp: 44527
Ion Ratio Lower Upper
128 100
49 143.5 115.9 215.3
130 122.3 91.8 170.4
51 46.2 40.3 60.5





#25

Chloroform

Concen: 45.341 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

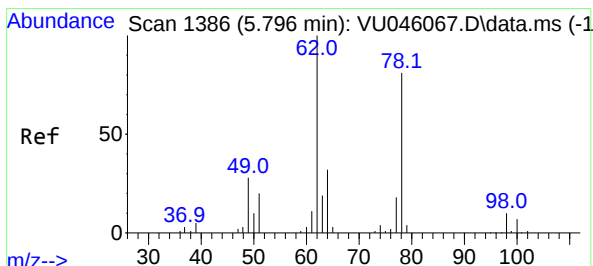
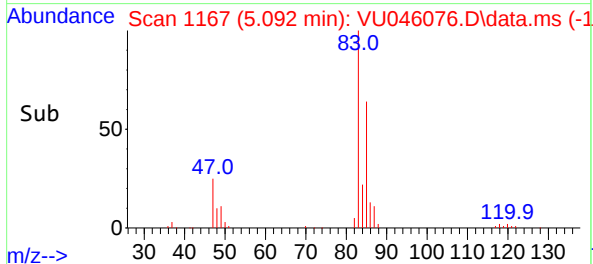
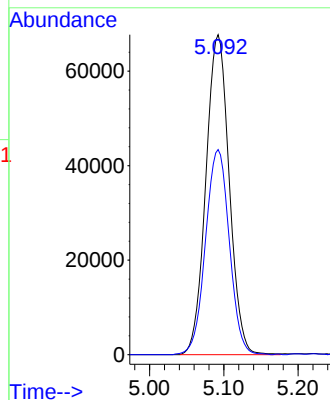
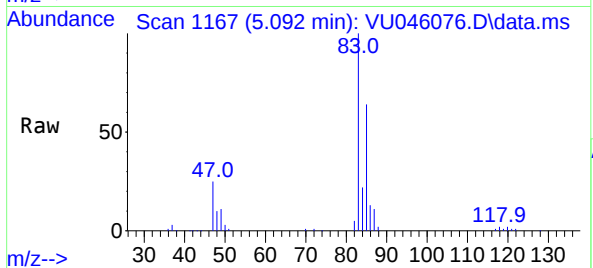
ESQN3MS

Tgt Ion: 83 Resp: 147815

Ion Ratio Lower Upper

83 100

85 64.1 45.8 85.2



#27

1,2-Dichloroethane

Concen: 46.285 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU046076.D

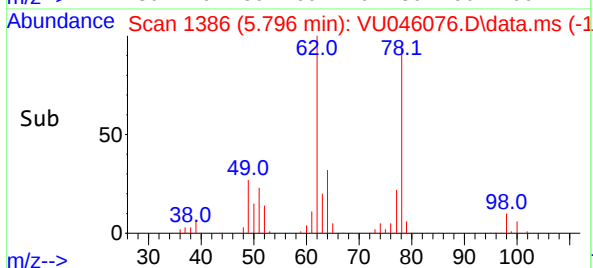
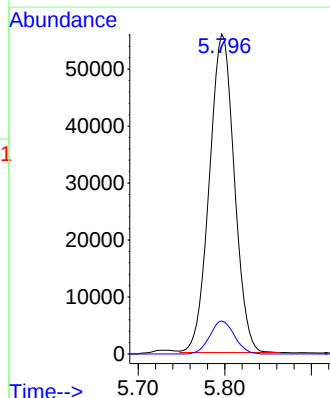
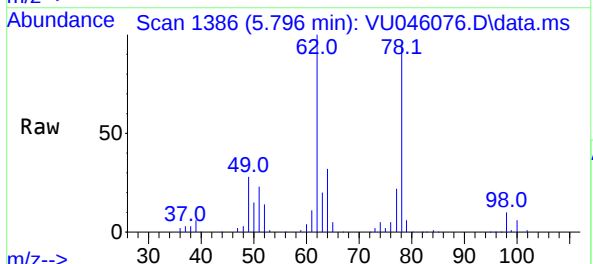
Acq: 03 Dec 2021 16:10

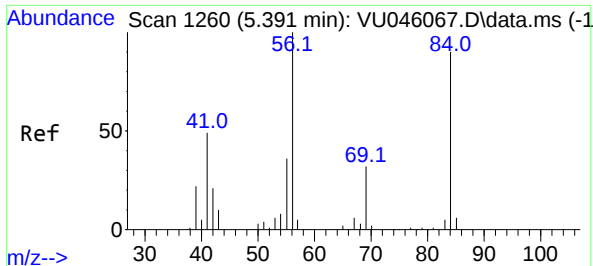
Tgt Ion: 62 Resp: 111971

Ion Ratio Lower Upper

62 100

98 10.3 7.9 11.9





#29

Cyclohexane

Concen: 48.487 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

ESQN3MS

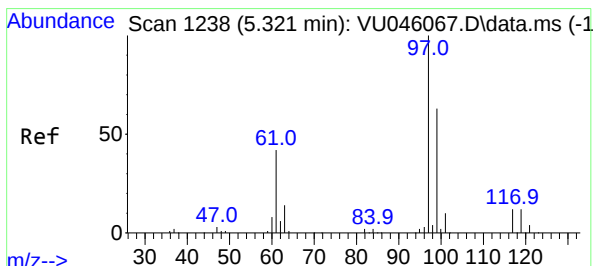
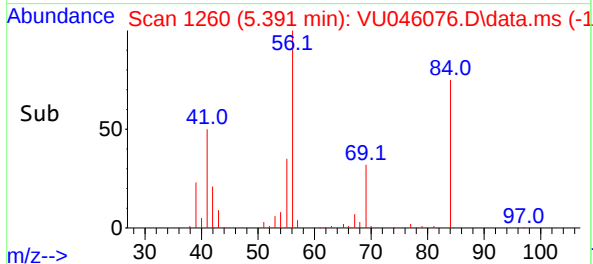
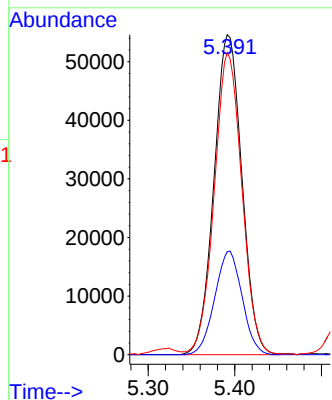
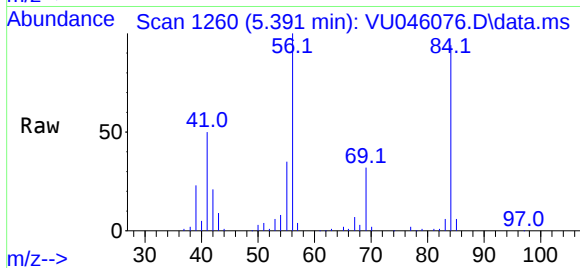
Tgt Ion: 56 Resp: 122151

Ion Ratio Lower Upper

56 100

69 31.7 25.2 37.8

84 93.0 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 47.483 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

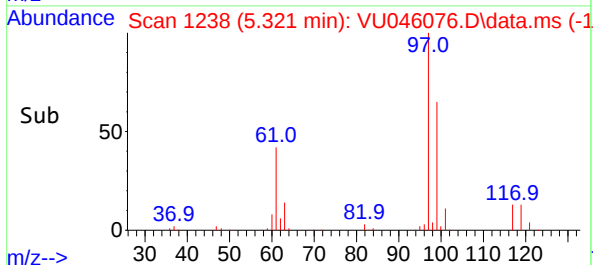
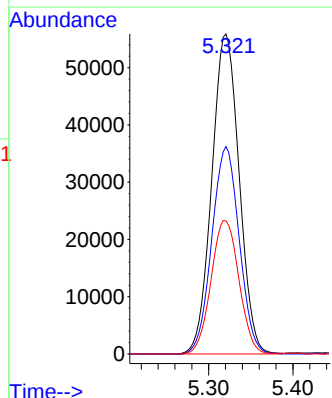
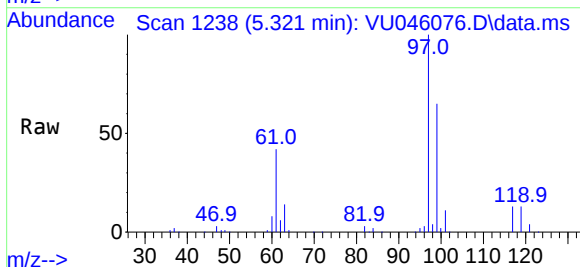
Tgt Ion: 97 Resp: 126102

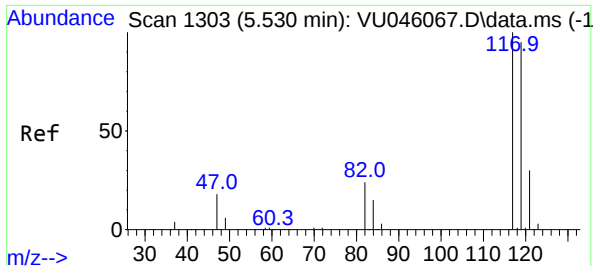
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

61 42.4 34.4 51.6

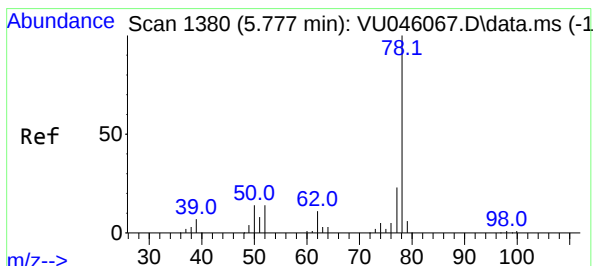
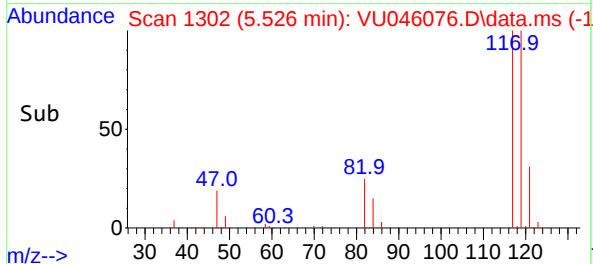
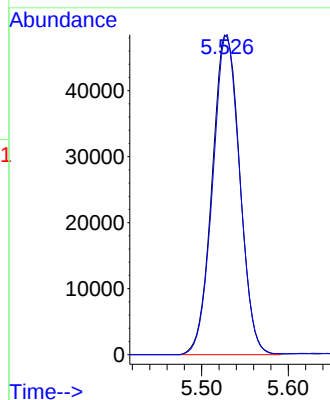
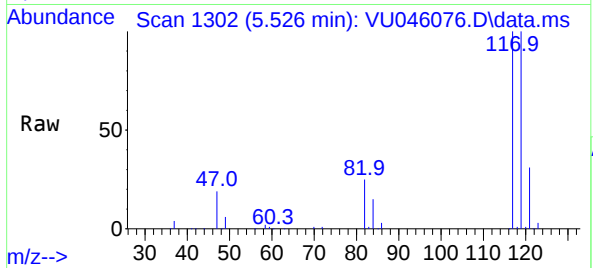




#31
Carbon tetrachloride
Concen: 47.785 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

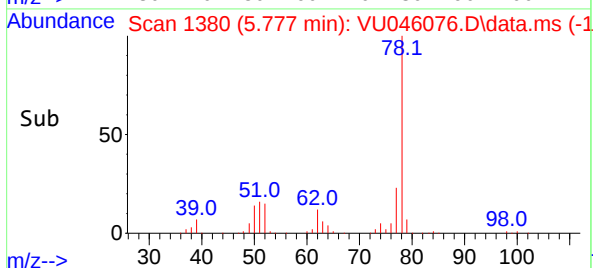
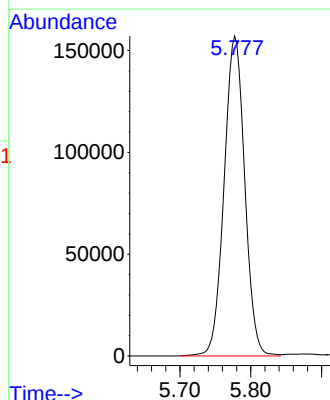
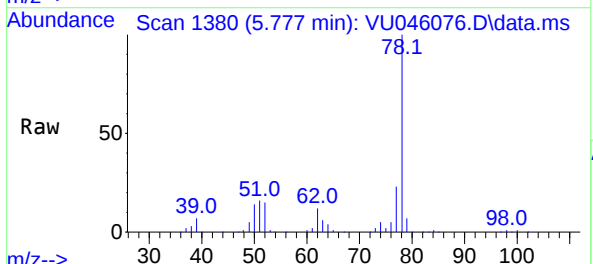
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

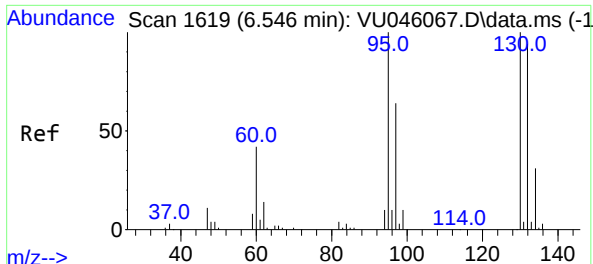
Tgt Ion:117 Resp: 107736
Ion Ratio Lower Upper
117 100
119 97.4 75.7 113.5



#33
Benzene
Concen: 48.565 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 78 Resp: 318008



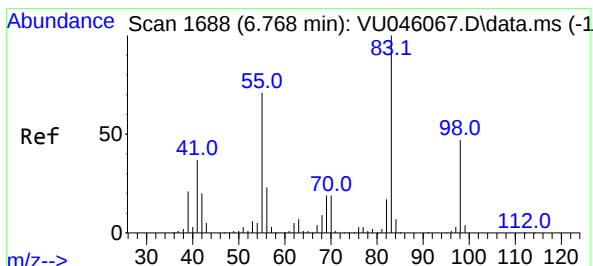
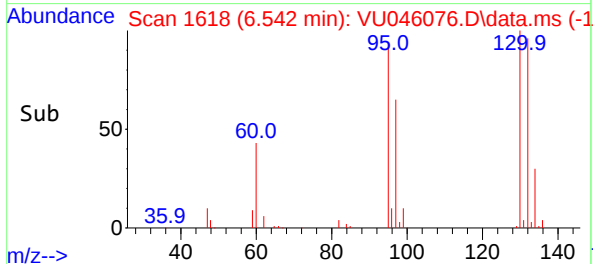
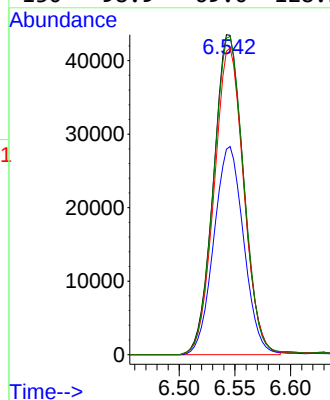
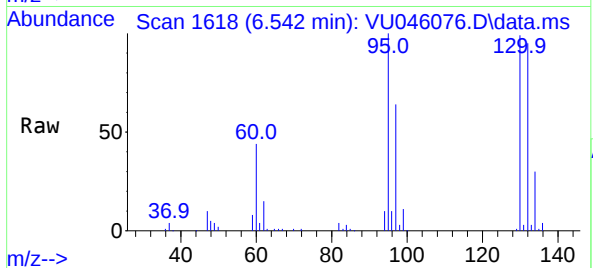


#34
Trichloroethene
Concen: 47.270 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

Tgt Ion: 95 Resp: 81543

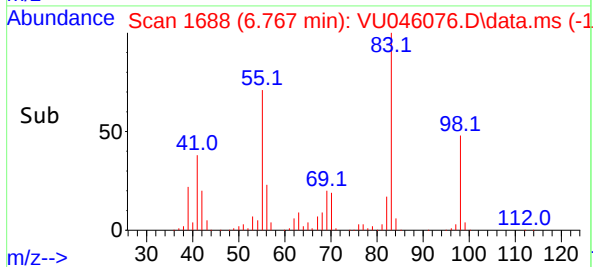
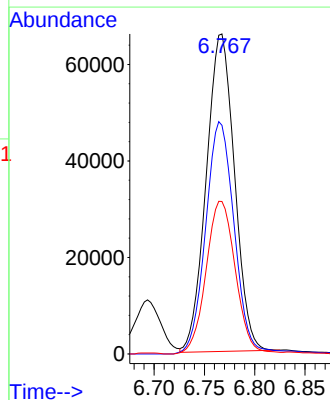
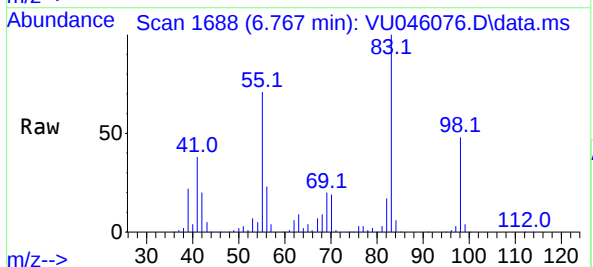
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.1	81.9
132	94.8	66.8	124.0
130	98.9	69.0	128.1

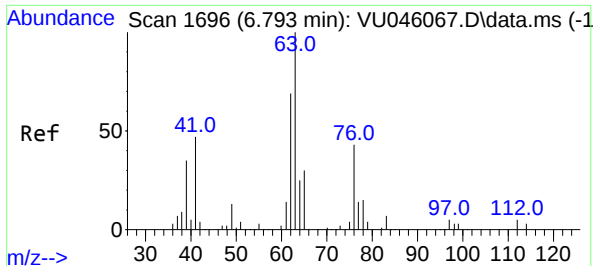


#35
Methylcyclohexane
Concen: 48.180 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 83 Resp: 128872

Ion	Ratio	Lower	Upper
83	100		
55	74.0	57.8	86.6
98	50.0	38.4	57.6

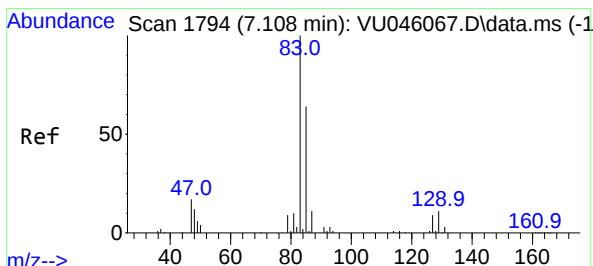
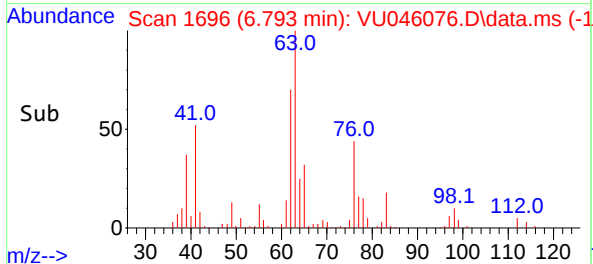
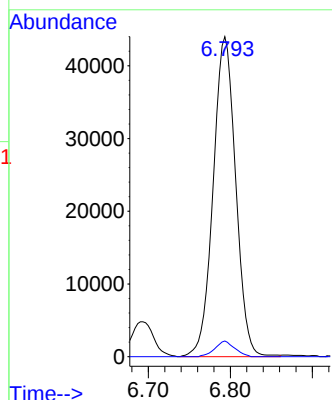
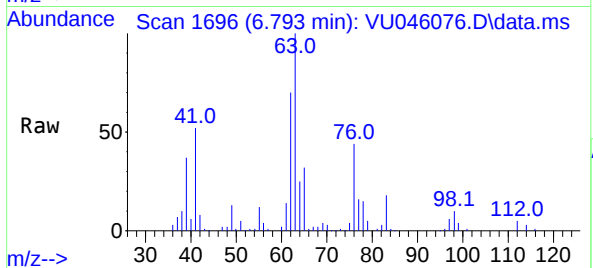




#37
1,2-Dichloropropane
Concen: 49.066 ug/L
RT: 6.793 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

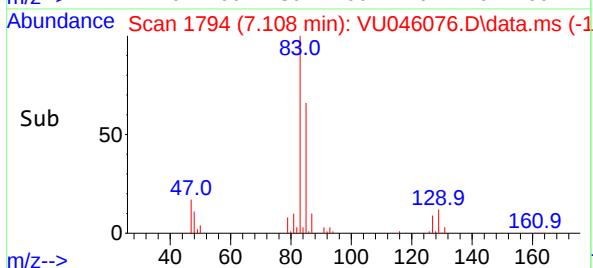
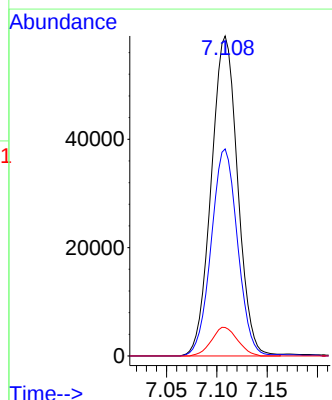
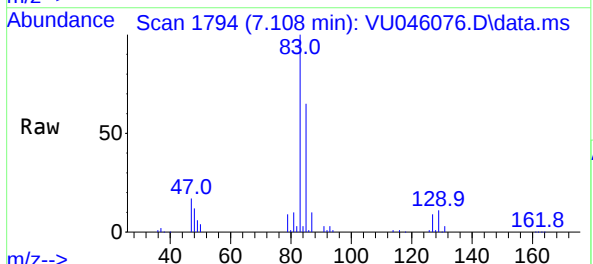
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

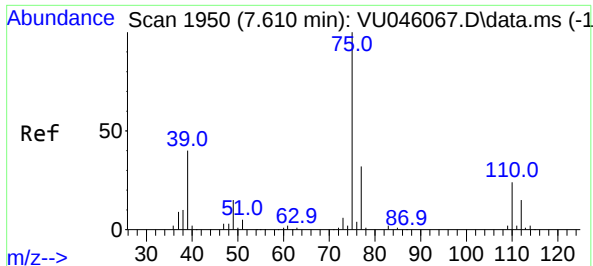
Tgt Ion: 63 Resp: 84165
Ion Ratio Lower Upper
63 100
112 4.3 3.8 5.6



#38
Bromodichloromethane
Concen: 47.305 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 83 Resp: 107853
Ion Ratio Lower Upper
83 100
85 64.7 44.4 82.5
127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 51.679 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

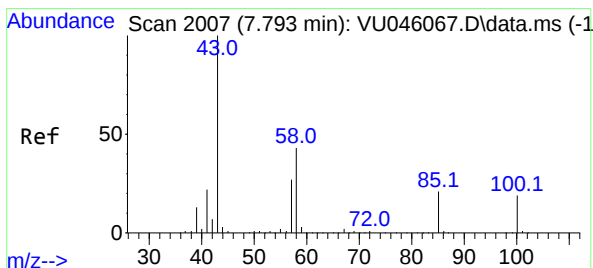
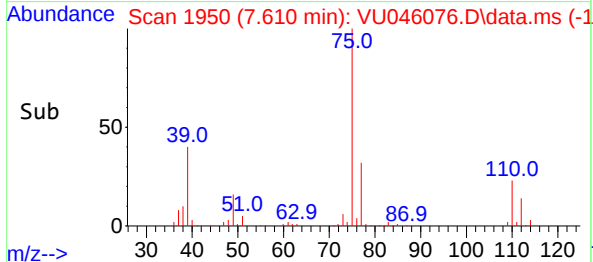
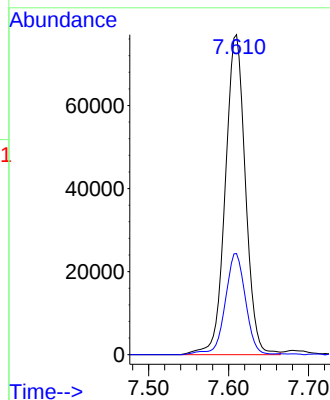
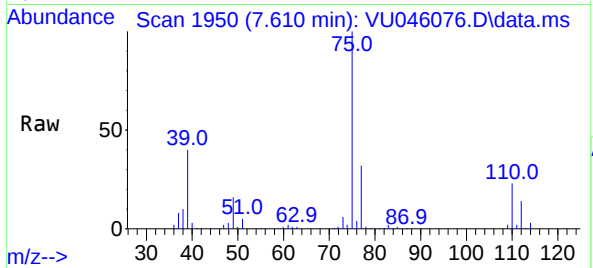
ESQN3MS

Tgt Ion: 75 Resp: 134858

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 95.810 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

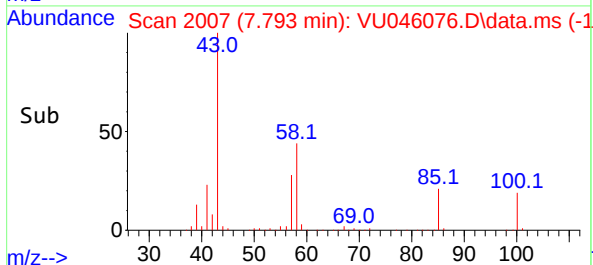
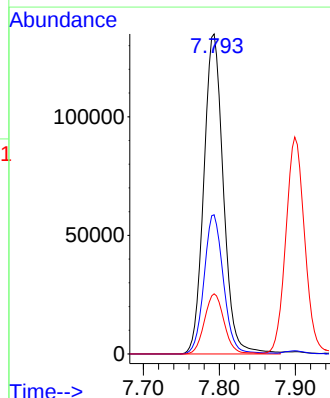
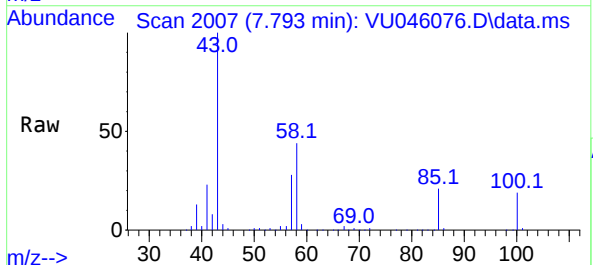
Tgt Ion: 43 Resp: 241464

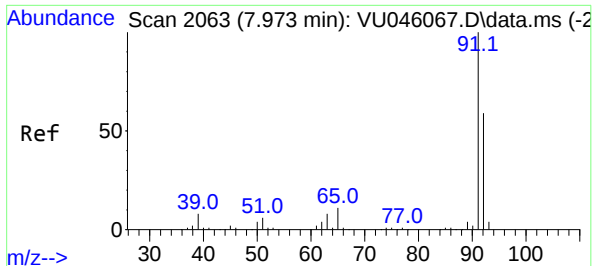
Ion Ratio Lower Upper

43 100

58 43.3 34.2 51.4

100 18.9 14.5 21.7

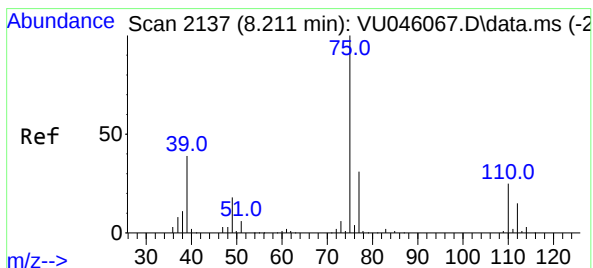
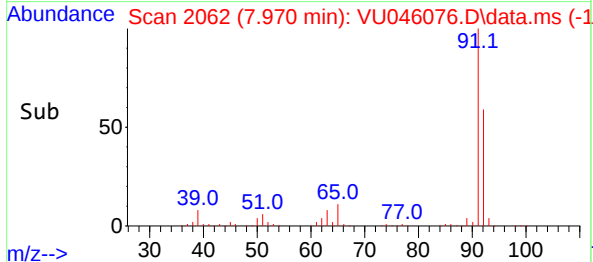
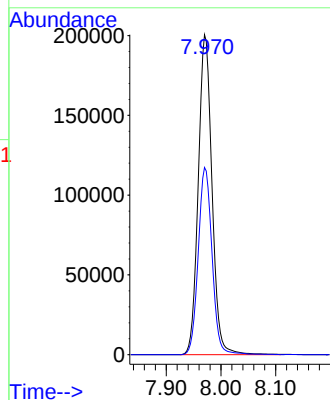
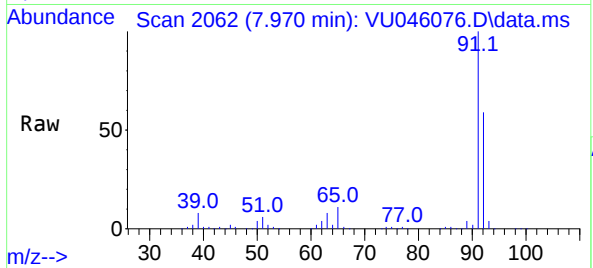




#42
Toluene
Concen: 49.746 ug/L
RT: 7.970 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

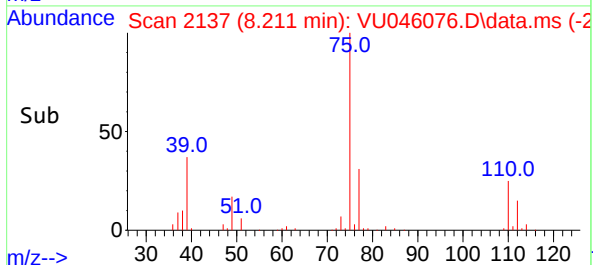
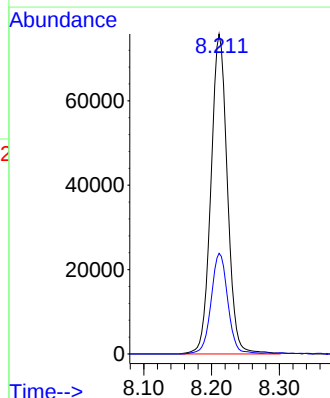
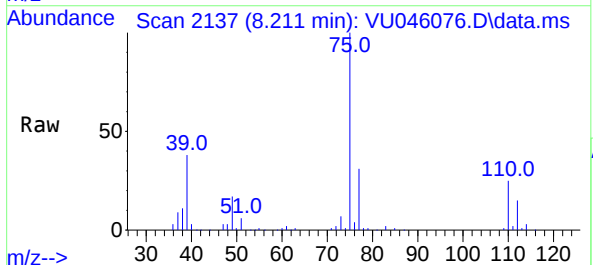
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

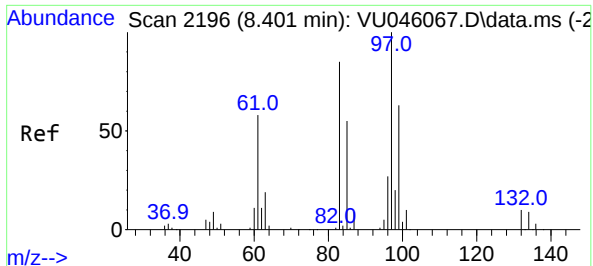
Tgt Ion: 91 Resp: 349528
Ion Ratio Lower Upper
91 100
92 58.5 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 49.828 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 75 Resp: 127707
Ion Ratio Lower Upper
75 100
77 31.4 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 48.494 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.003 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

ESQN3MS

Tgt Ion: 97 Resp: 83455

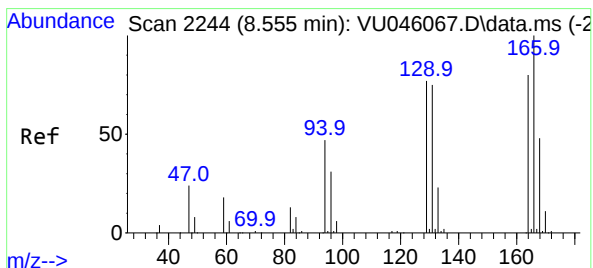
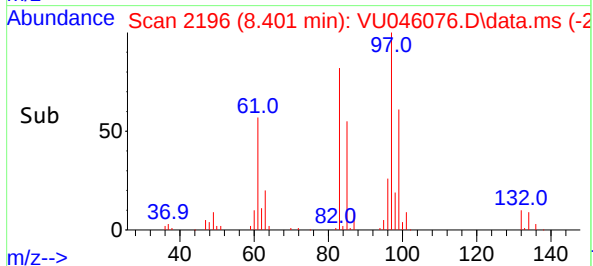
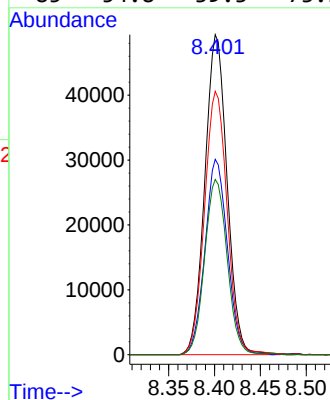
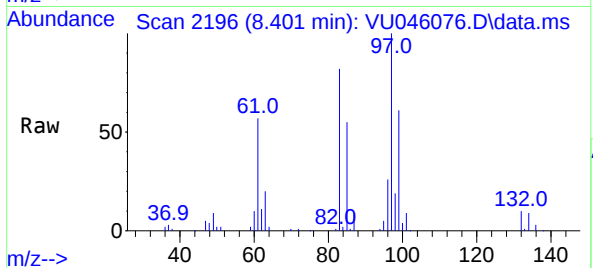
Ion Ratio Lower Upper

97 100

99 61.1 44.7 82.9

83 82.3 60.2 111.8

85 54.8 39.3 73.1



#46

Tetrachloroethene

Concen: 50.197 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

Tgt Ion:164 Resp: 63635

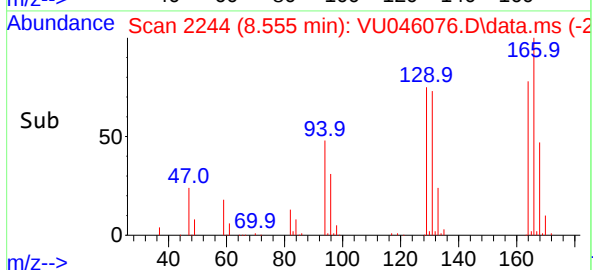
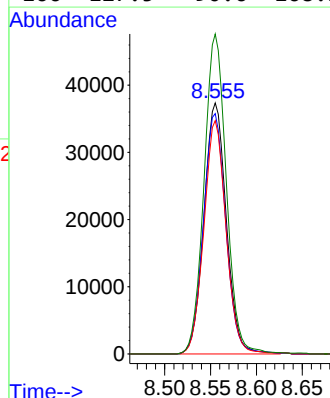
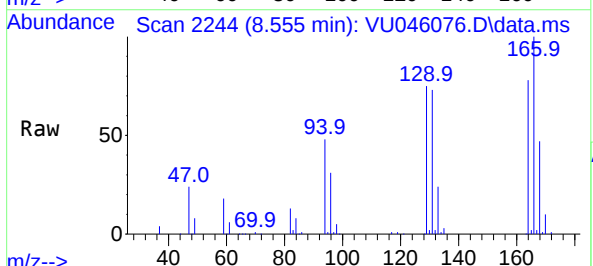
Ion Ratio Lower Upper

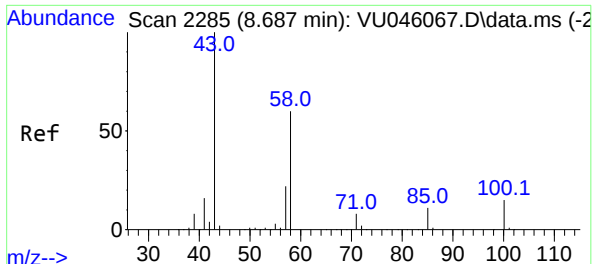
164 100

129 95.7 71.1 132.1

131 93.0 67.8 126.0

166 127.5 90.6 168.2



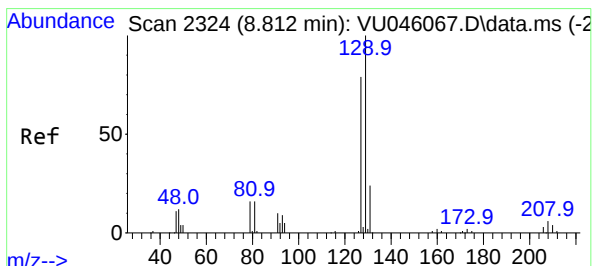
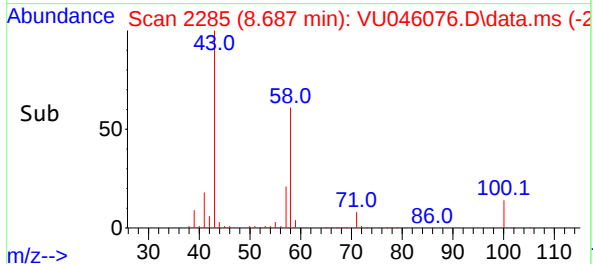
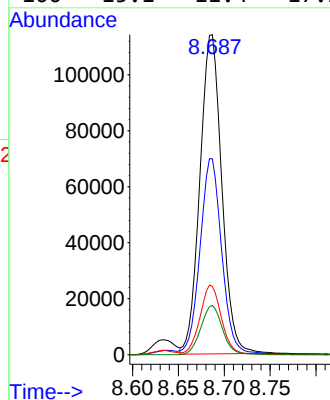
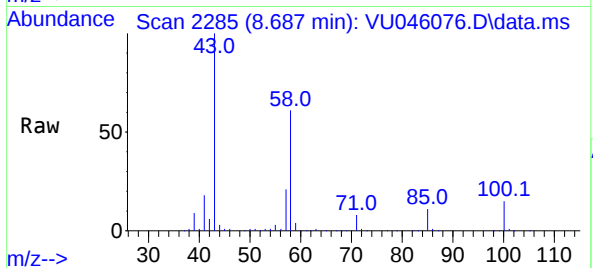


#48
2-Hexanone
Concen: 84.141 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

Tgt Ion: 43 Resp: 189646

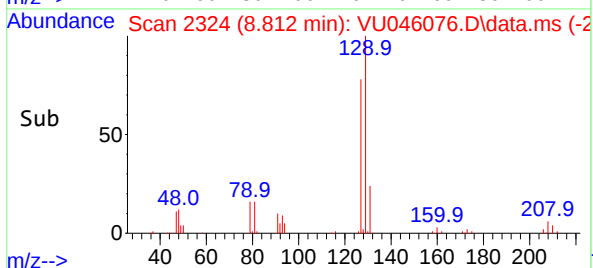
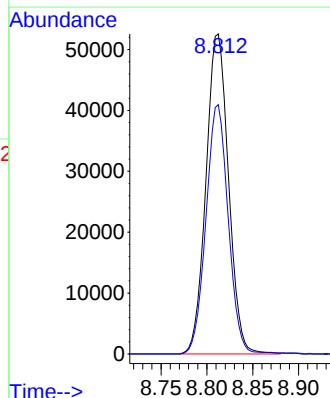
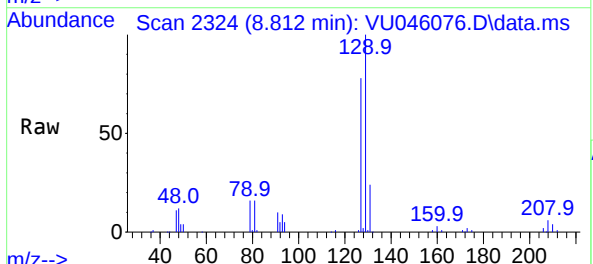
Ion	Ratio	Lower	Upper
43	100		
58	60.3	47.4	71.2
57	21.6	16.6	25.0
100	15.1	11.4	17.2

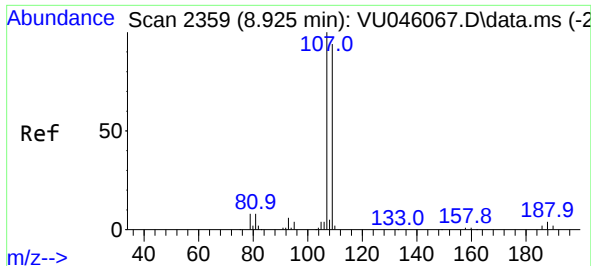


#49
Dibromochloromethane
Concen: 49.806 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 129 Resp: 90008

Ion	Ratio	Lower	Upper
129	100		
127	77.9	55.6	103.4

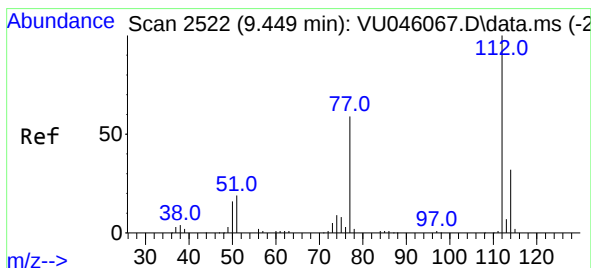
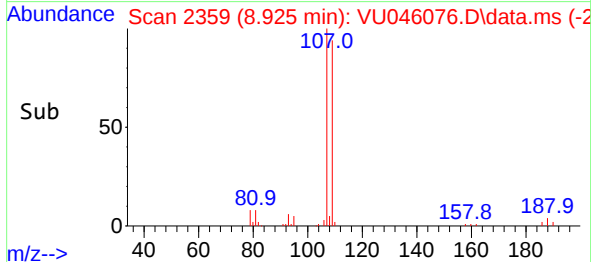
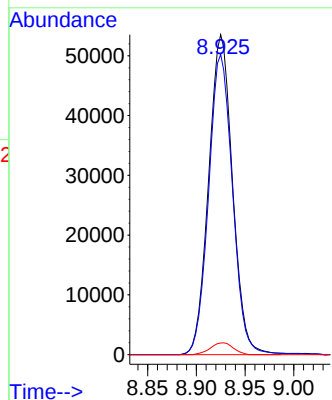
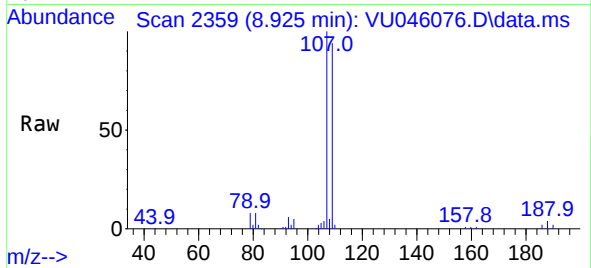




#50
1,2-Dibromoethane
Concen: 48.898 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

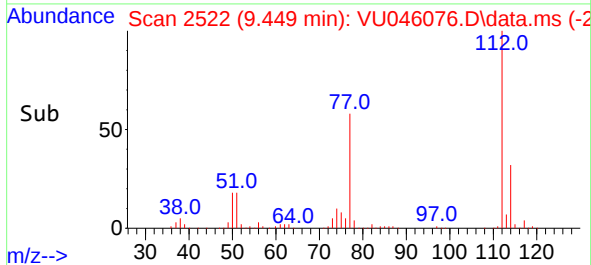
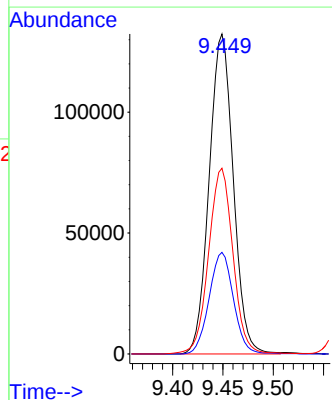
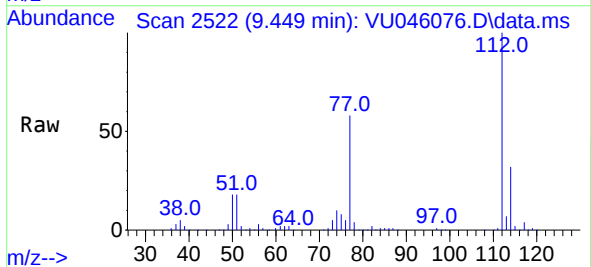
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

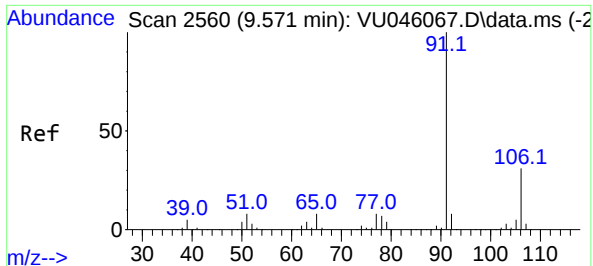
Tgt Ion:107 Resp: 91233
Ion Ratio Lower Upper
107 100
109 93.8 64.9 120.5
188 3.7 2.6 3.8



#51
Chlorobenzene
Concen: 48.547 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion:112 Resp: 220682
Ion Ratio Lower Upper
112 100
114 31.8 22.2 41.2
77 58.1 47.4 71.0

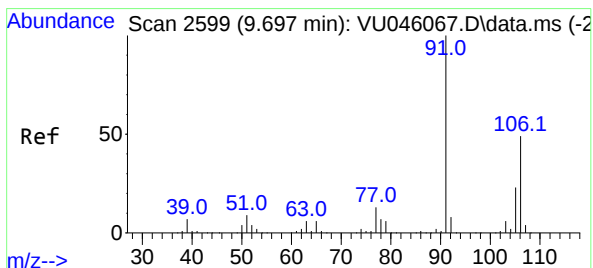
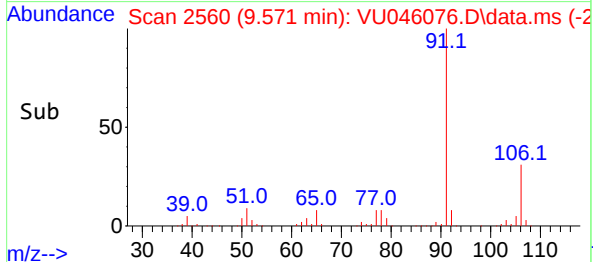
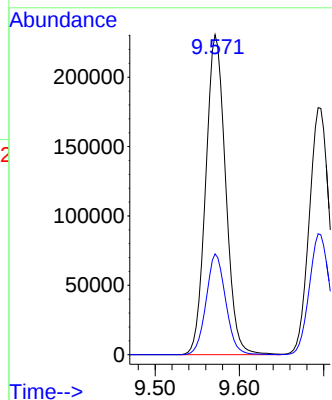
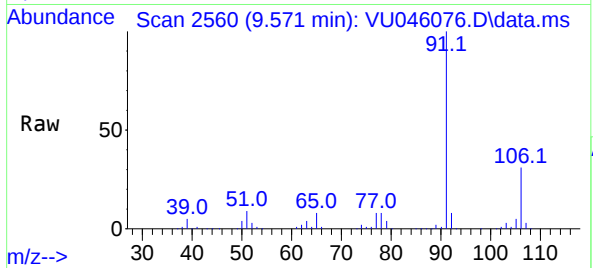




#52
Ethylbenzene
Concen: 50.022 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

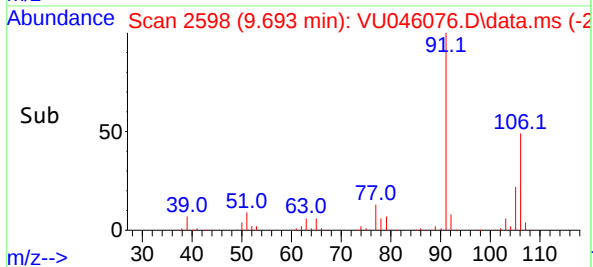
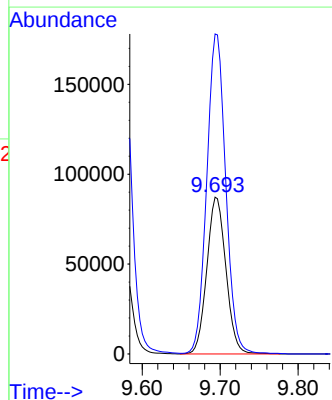
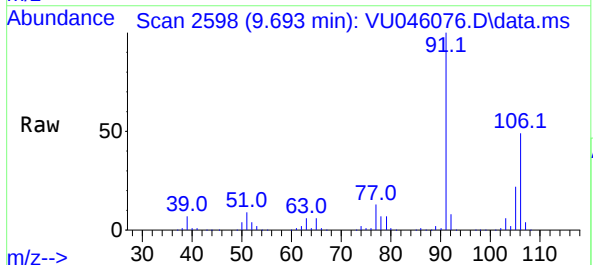
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

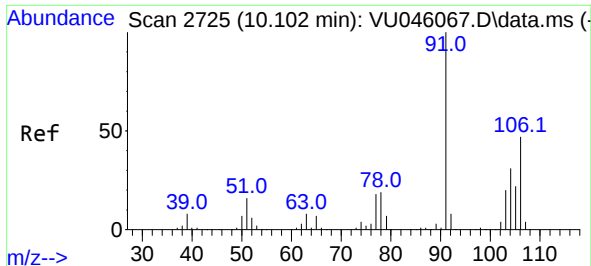
Tgt Ion: 91 Resp: 378257
Ion Ratio Lower Upper
91 100
106 31.5 21.1 39.3



#53
m,p-Xylene
Concen: 50.445 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 106 Resp: 148764
Ion Ratio Lower Upper
106 100
91 204.1 144.3 268.1

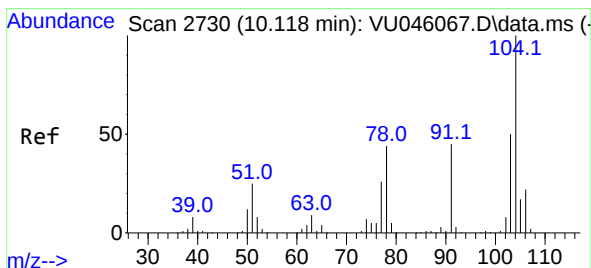
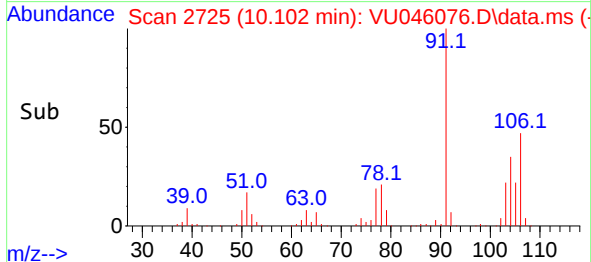
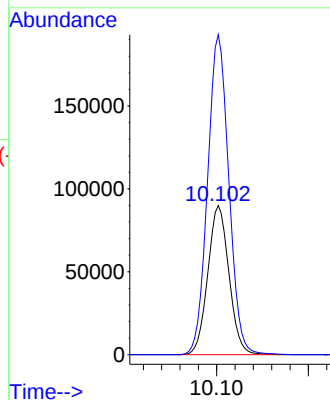
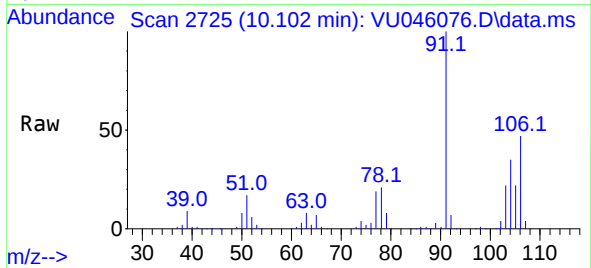




#54
o-xylene
Concen: 50.393 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

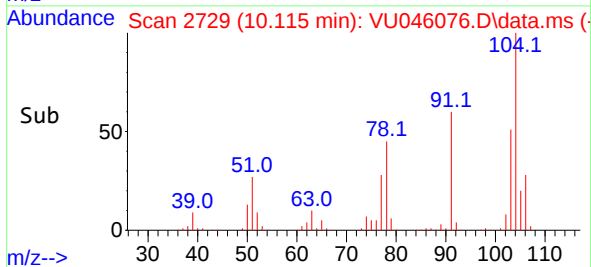
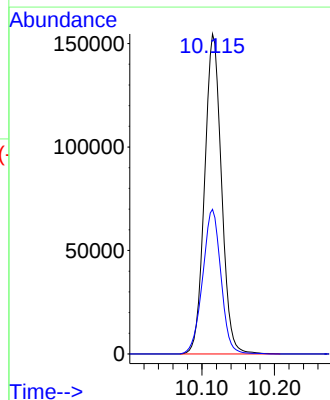
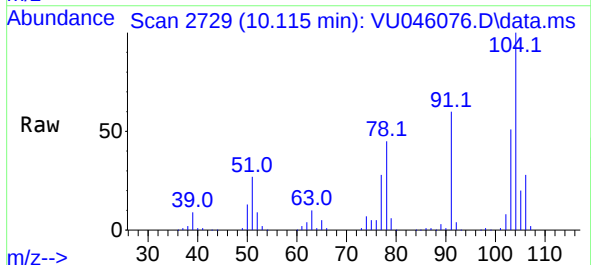
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

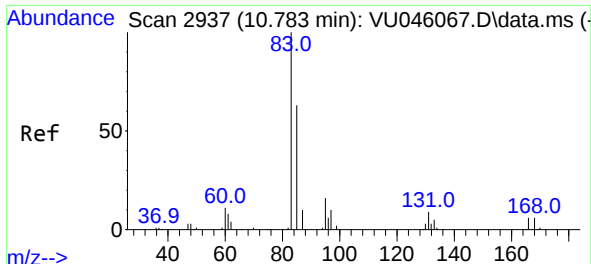
Tgt Ion:106 Resp: 144200
Ion Ratio Lower Upper
106 100
91 214.5 154.2 286.4



#55
Styrene
Concen: 51.166 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion:104 Resp: 249969
Ion Ratio Lower Upper
104 100
78 45.2 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 47.234 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

ESQN3MS

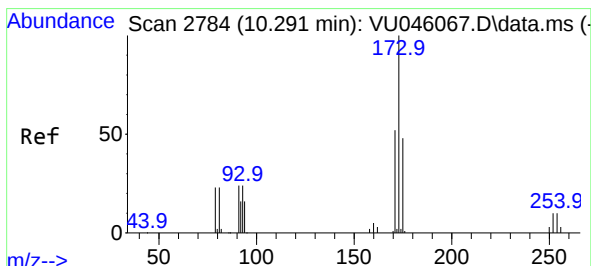
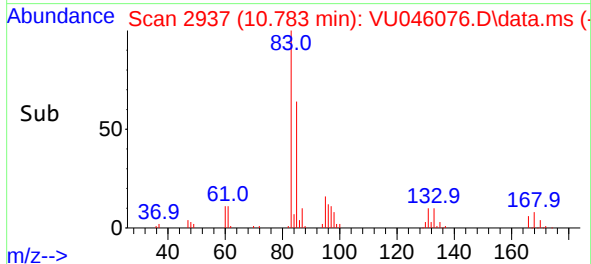
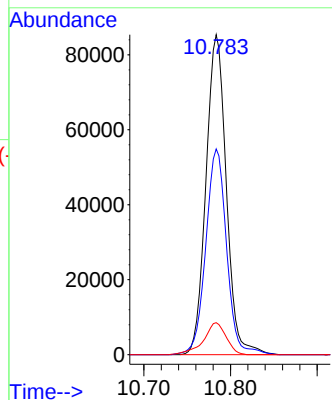
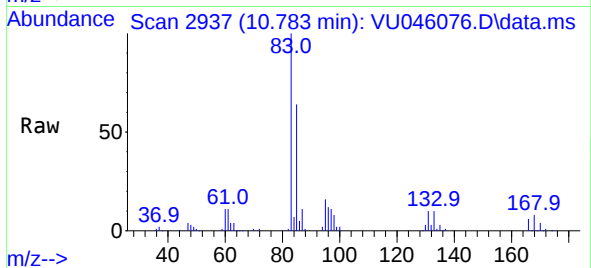
Tgt Ion: 83 Resp: 139359

Ion Ratio Lower Upper

83 100

85 64.3 45.6 84.6

131 10.0 7.8 11.6



#59

Bromoform

Concen: 47.858 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.003 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

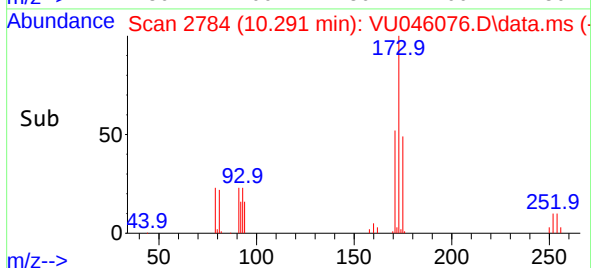
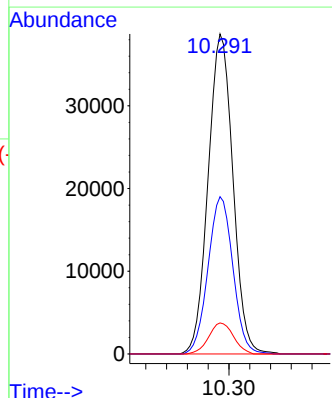
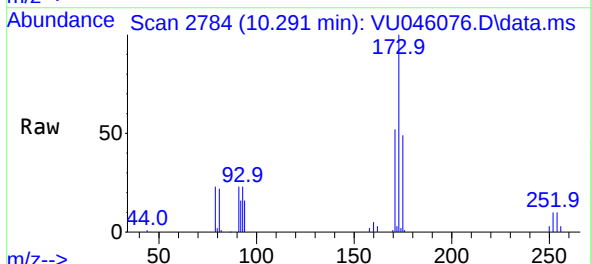
Tgt Ion:173 Resp: 64031

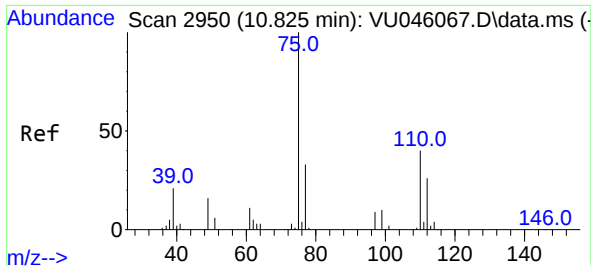
Ion Ratio Lower Upper

173 100

175 49.3 39.2 58.8

254 9.7 7.4 11.2



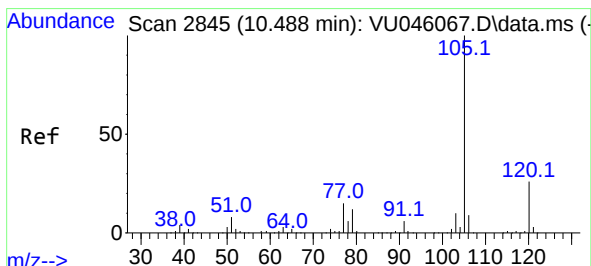
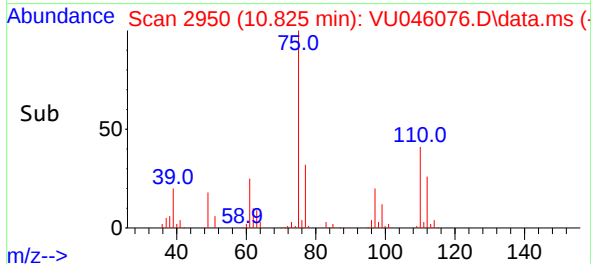
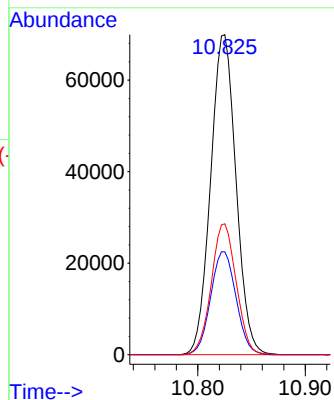
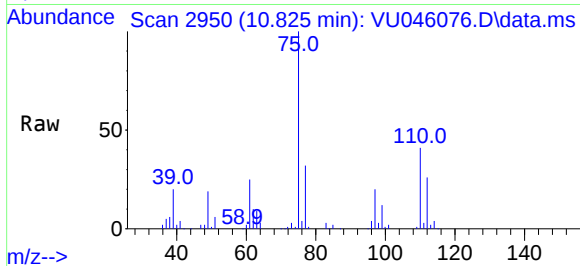


#60
1,2,3-Trichloropropane
Concen: 45.857 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

Tgt Ion: 75 Resp: 114646

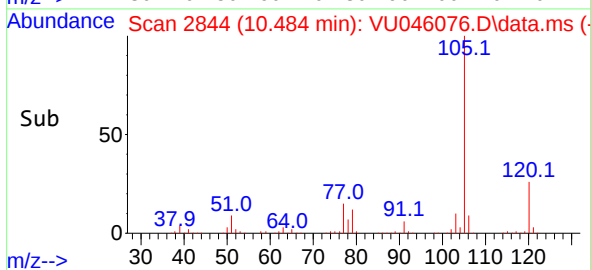
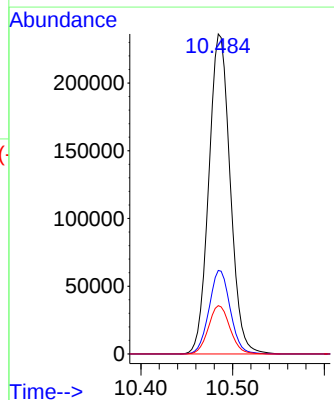
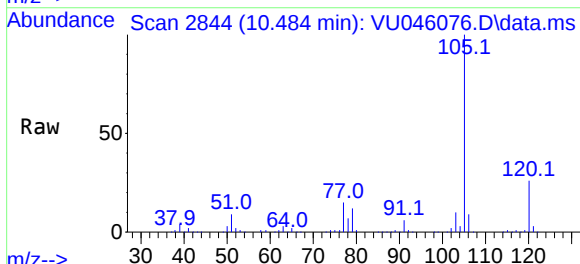
Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6
110	40.2	32.4	48.6

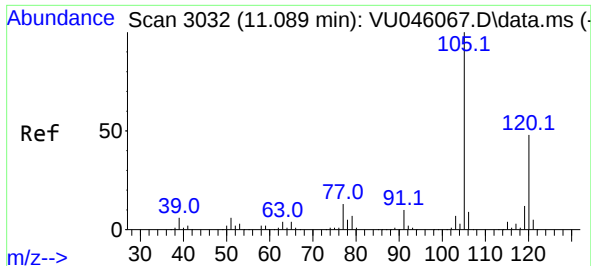


#61
Isopropylbenzene
Concen: 51.566 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion: 105 Resp: 382649

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1
77	15.2	12.2	18.4

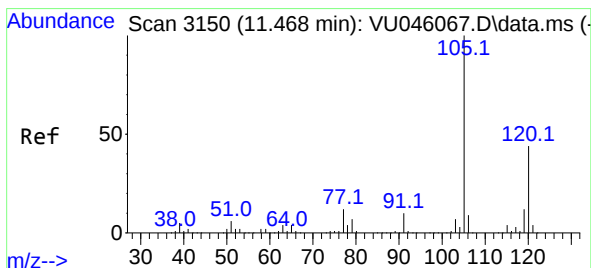
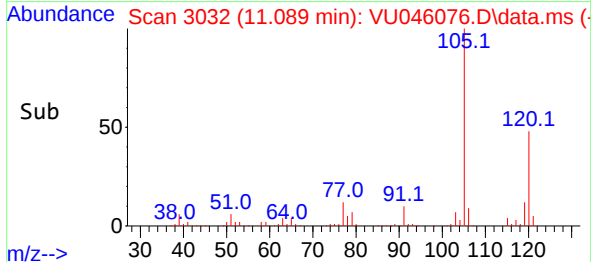
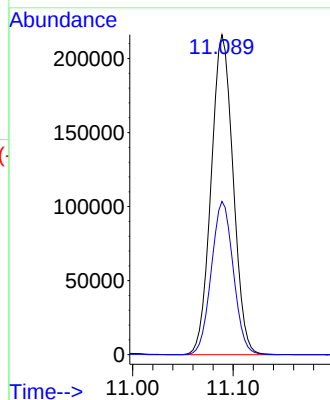
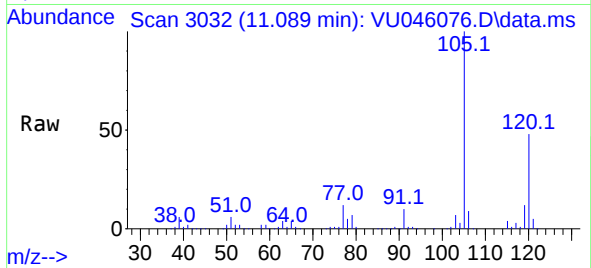




#62
1,3,5-Trimethylbenzene
Concen: 53.092 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

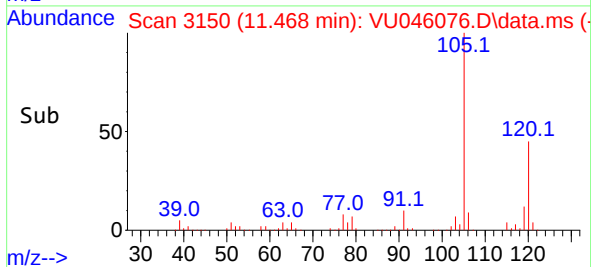
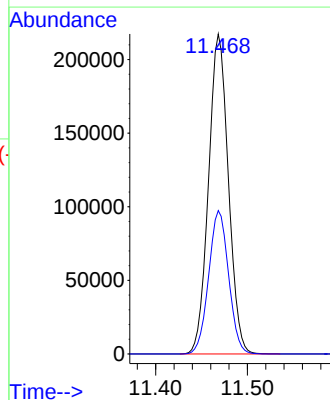
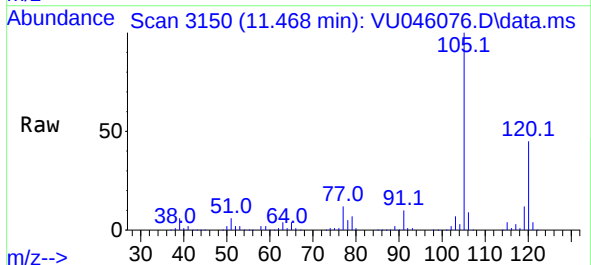
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

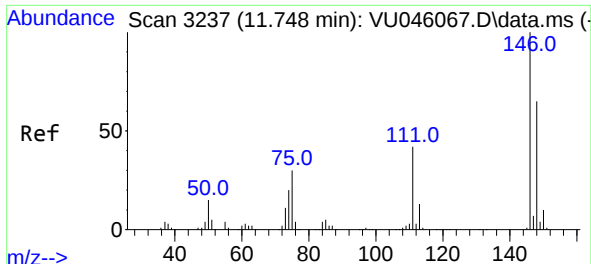
Tgt Ion:105 Resp: 328380
Ion Ratio Lower Upper
105 100
120 48.0 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 52.840 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion:105 Resp: 326980
Ion Ratio Lower Upper
105 100
120 45.0 35.2 52.8

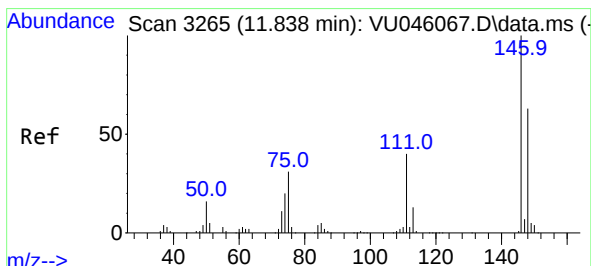
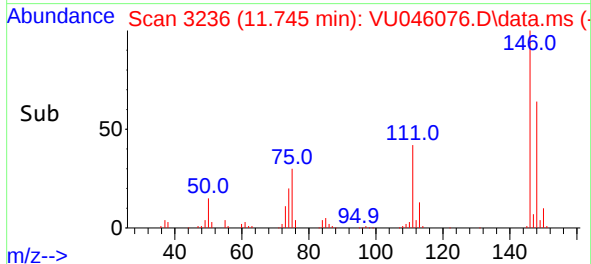
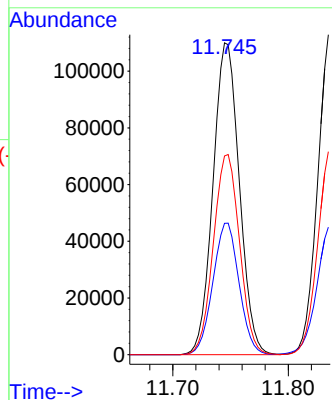
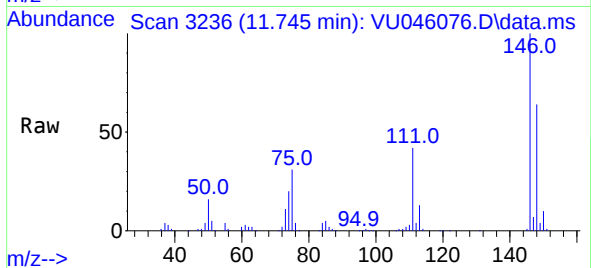




#64
1,3-Dichlorobenzene
Concen: 49.452 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

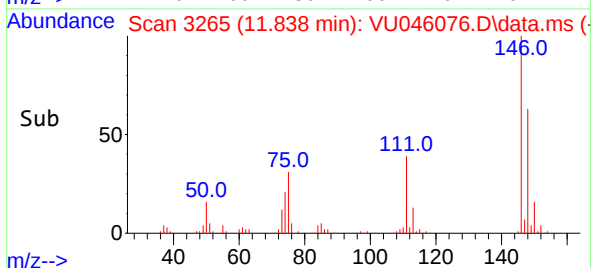
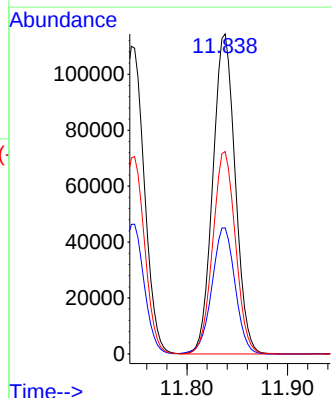
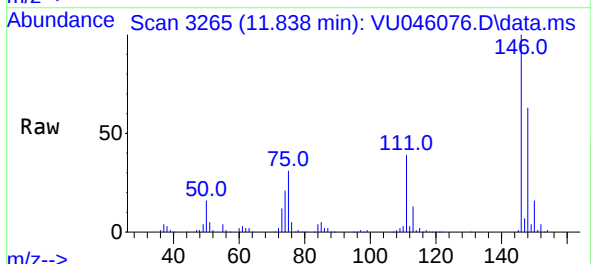
Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

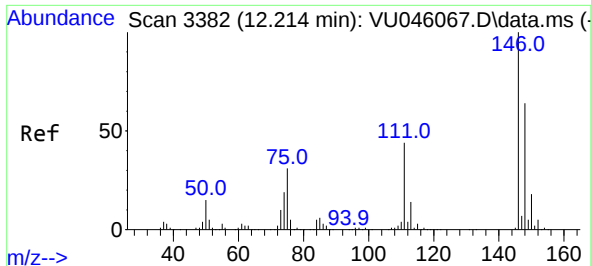
Tgt Ion:146 Resp: 174310
Ion Ratio Lower Upper
146 100
111 42.1 29.5 54.9
148 63.7 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 48.750 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion:146 Resp: 177591
Ion Ratio Lower Upper
146 100
111 39.4 28.3 52.7
148 63.3 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 49.428 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

ESQN3MS

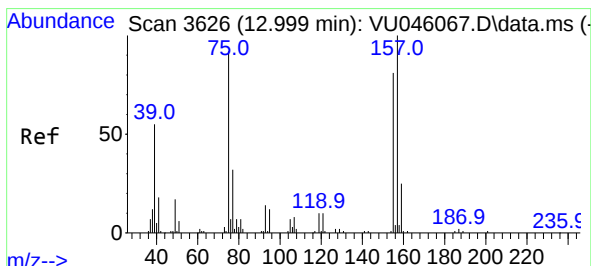
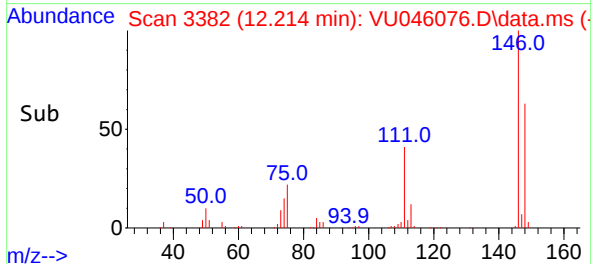
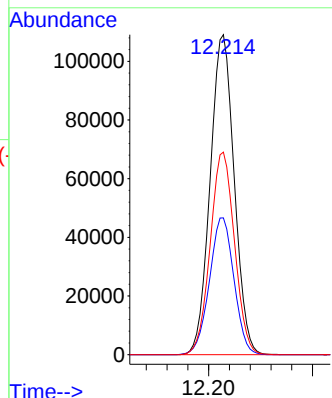
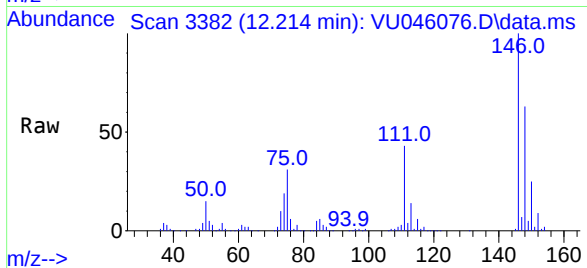
Tgt Ion:146 Resp: 175450

Ion Ratio Lower Upper

146 100

111 42.8 35.7 53.5

148 63.3 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 47.925 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

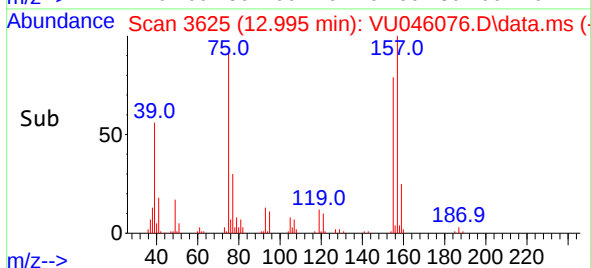
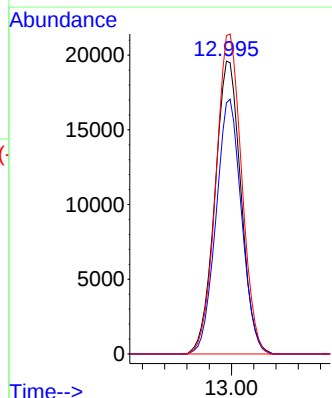
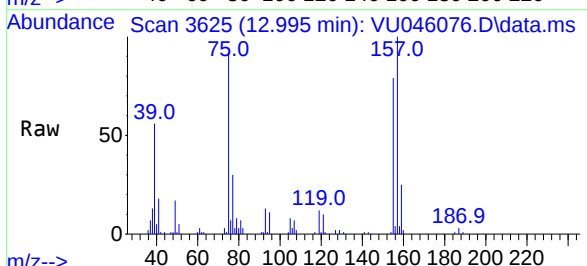
Tgt Ion: 75 Resp: 31919

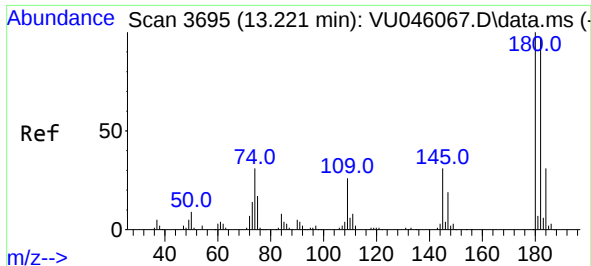
Ion Ratio Lower Upper

75 100

155 85.8 64.9 97.3

157 108.7 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 50.042 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. -0.000 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :

ESQN3MS

Tgt Ion:180 Resp: 128524

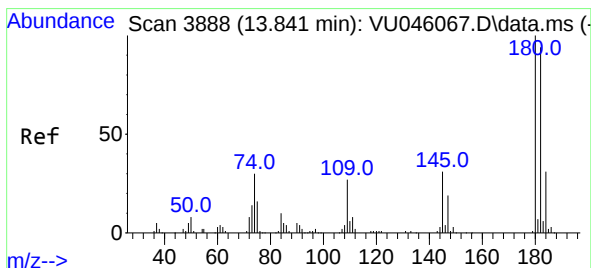
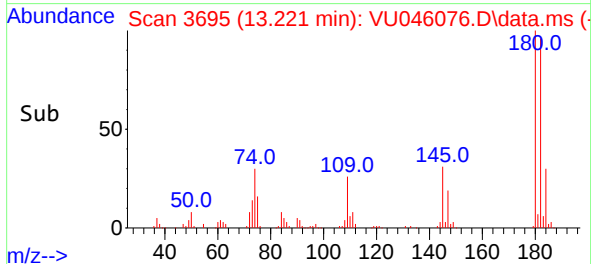
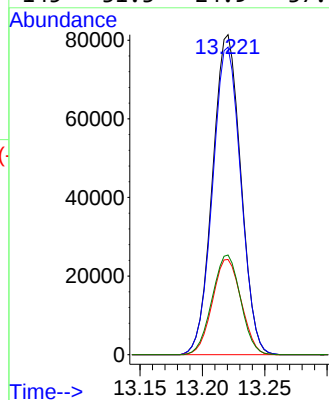
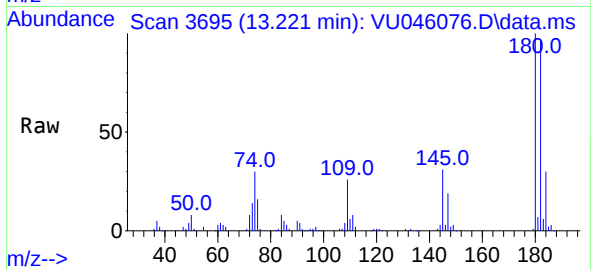
Ion Ratio Lower Upper

180 100

182 96.2 75.9 113.9

184 30.4 24.2 36.4

145 31.3 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 51.526 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU046076.D

Acq: 03 Dec 2021 16:10

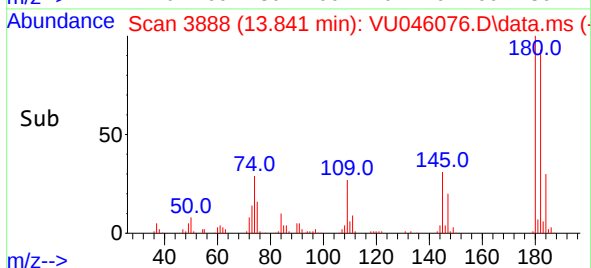
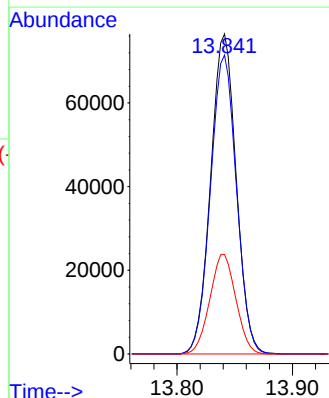
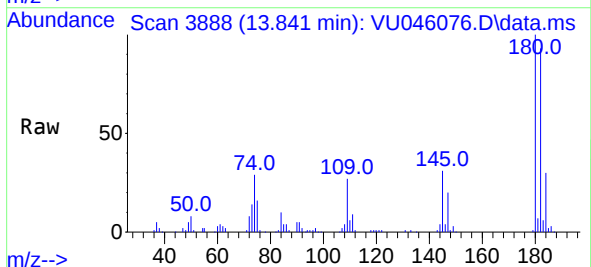
Tgt Ion:180 Resp: 117435

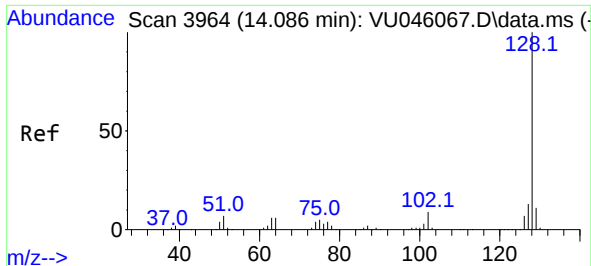
Ion Ratio Lower Upper

180 100

182 95.0 76.7 115.1

145 31.7 26.0 39.0

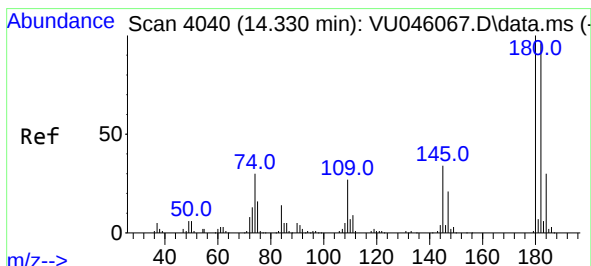
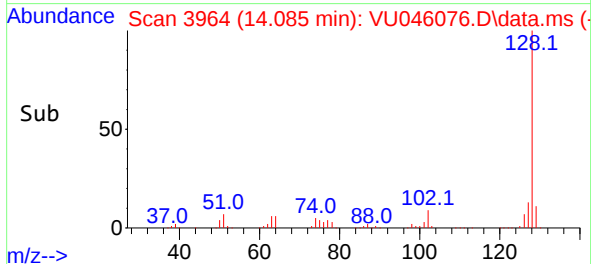
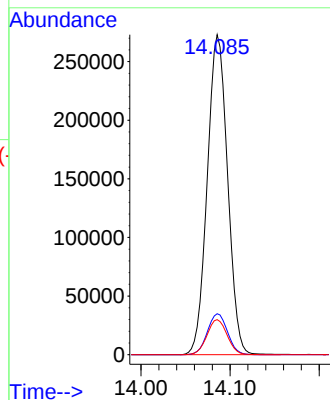
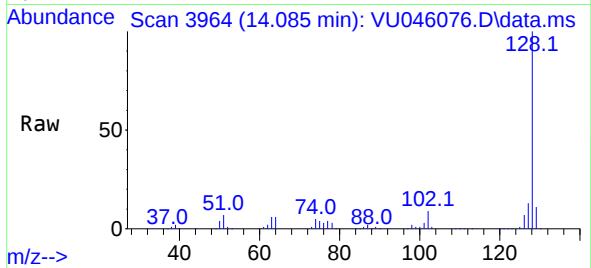




#71
Naphthalene
Concen: 54.480 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :
ESQN3MS

Tgt Ion:128 Resp: 432080
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 51.826 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU046076.D
Acq: 03 Dec 2021 16:10

Tgt Ion:180 Resp: 120451
Ion Ratio Lower Upper
180 100
182 96.0 76.0 114.0
145 33.2 27.3 40.9

